

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 20685.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 06/27/2025

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] 8" ROUND, DIRECT INDIRECT LED CYLINDER

[MORE] 26" CYLINDER HOUSING WITH REMOTE DRIVER ENCLOSURE

[LUMCAT] 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMxx

[LAMPCAT] BL VERO COB LED

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Corridor, Hotel, Industrial, Office, Downlight

[_SEARCH_MOUNTING] Recessed

[_CONVERT] Photometric web converted from original test data

[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6916
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	99.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.37 ft (Diameter)
Luminous Width (90-270)	0.37 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	136004	136004	136004
55	113229	113229	113229
65	86022	86022	86022
75	62382	62382	62382
85	40652	40652	40652

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086
10	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118
45	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728
50	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983
55	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916
60	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506
65	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727
70	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848
75	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097
80	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779
85	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474
90	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
115	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
120	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030
125	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867
130	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540
135	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467
140	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486
145	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463
150	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341
160	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000

Vert. Horizontal Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086
10	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118
45	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728
50	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983
55	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916
60	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506

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CANDELA TABULATION - (Cont.)

65	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727
70	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848
75	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097
80	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779
85	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474
90	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
115	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
120	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030
125	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867
130	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540
135	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467
140	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486
145	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463
150	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341
160	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000

**Vert.
Angles**

Horizontal Angles

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086
10	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118
45	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728
50	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983
55	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916
60	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506
65	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727
70	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848
75	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097
80	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779
85	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474
90	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
115	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
120	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030
125	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867
130	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540
135	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467

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CANDELA TABULATION - (Cont.)

140	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486
145	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463
150	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341
160	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000

Vert. Angles

Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
0	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086
10	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118
45	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728
50	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983
55	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916
60	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506
65	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727
70	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848
75	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097
80	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779
85	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474
90	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
115	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
120	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030
125	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867
130	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540
135	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467
140	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486
145	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463
150	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341
160	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000

Vert. Angles

Horizontal Angles

	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES

CANDELA TABULATION - (Cont.)

10	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118
45	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728
50	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983
55	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916
60	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506
65	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727
70	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848
75	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097
80	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779
85	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474
90	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
115	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
120	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030
125	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867
130	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540
135	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467
140	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486
145	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463
150	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341
160	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000

Vert. Horizontal Angles

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086
10	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118
45	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728
50	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983
55	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916
60	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506
65	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727
70	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848
75	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097
80	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES

CANDELA TABULATION - (Cont.)

85	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474
90	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
115	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
120	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030
125	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867
130	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540
135	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467
140	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486
145	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463
150	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341
160	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000

**Vert.
Angles**

Horizontal Angles

	<u>300</u>	<u>305</u>	<u>310</u>	<u>315</u>	<u>320</u>	<u>325</u>	<u>330</u>	<u>335</u>	<u>340</u>	<u>345</u>
0	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086	3253.086
10	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118	1097.118
45	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728	935.728
50	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983	786.983
55	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916	631.916
60	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506	482.506
65	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727	353.727
70	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848	243.848
75	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097	157.097
80	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779	89.779
85	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474	34.474
90	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863	1.863
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
115	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806	0.806
120	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030	4.030
125	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867	8.867
130	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540	18.540
135	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467	35.467
140	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486	64.486
145	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463	247.463
150	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341	1798.341

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES

CANDELA TABULATION - (Cont.)

160	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000	1458.000

Vert. Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	3305.330	3305.330	3305.330
5	3253.086	3253.086	3253.086
10	3211.824	3211.824	3211.824
15	3175.553	3175.553	3175.553
20	3070.400	3070.400	3070.400
25	2738.303	2738.303	2738.303
30	2096.404	2096.404	2096.404
35	1398.934	1398.934	1398.934
40	1097.118	1097.118	1097.118
45	935.728	935.728	935.728
50	786.983	786.983	786.983
55	631.916	631.916	631.916
60	482.506	482.506	482.506
65	353.727	353.727	353.727
70	243.848	243.848	243.848
75	157.097	157.097	157.097
80	89.779	89.779	89.779
85	34.474	34.474	34.474
90	1.863	1.863	1.863
95	0.000	0.000	0.000
100	0.000	0.000	0.000
105	0.000	0.000	0.000
110	0.806	0.806	0.806
115	0.806	0.806	0.806
120	4.030	4.030	4.030
125	8.867	8.867	8.867
130	18.540	18.540	18.540
135	35.467	35.467	35.467
140	64.486	64.486	64.486
145	247.463	247.463	247.463
150	1409.009	1409.009	1409.009
155	1798.341	1798.341	1798.341
160	1650.024	1650.024	1650.024
165	1579.896	1579.896	1579.896
170	1547.653	1547.653	1547.653
175	1502.513	1502.513	1502.513
180	1458.000	1458.000	1458.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1203.32	N.A.	17.40
0-30	2424.39	N.A.	35.10
0-40	3355.55	N.A.	48.50
0-60	4646.15	N.A.	67.20
0-80	5171.61	N.A.	74.80
0-90	5215.32	N.A.	75.40
10-90	4905.65	N.A.	70.90
20-40	2152.22	N.A.	31.10
20-50	2876.72	N.A.	41.60
40-70	1645.21	N.A.	23.80
60-80	525.46	N.A.	7.60
70-80	170.86	N.A.	2.50
80-90	43.71	N.A.	0.60
90-110	0.72	N.A.	0.00
90-120	2.30	N.A.	0.00
90-130	11.24	N.A.	0.20
90-150	336.64	N.A.	4.90
90-180	1700.42	N.A.	24.60
110-180	1699.7	N.A.	24.60
0-180	6915.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	309.67
10-20	893.65
20-30	1221.06
30-40	931.16
40-50	724.50
50-60	566.11
60-70	354.60
70-80	170.86
80-90	43.71
90-100	0.51
100-110	0.21
110-120	1.58
120-130	8.94
130-140	29.42
140-150	295.97
150-160	767.56
160-170	451.71
170-180	144.51

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	105	101	98	94	100	96	93	91	88	86	83	80	78	77	73	71	70	67
2	97	90	85	80	92	86	81	77	79	75	72	72	69	67	66	64	62	58
3	90	81	74	69	85	78	72	67	71	66	63	66	62	58	60	57	55	52
4	83	73	66	60	79	70	64	58	65	59	55	60	55	52	55	52	49	46
5	77	66	59	53	74	64	57	52	59	53	49	55	50	46	51	47	44	41
6	72	61	53	48	69	58	51	46	54	48	44	50	46	42	47	43	40	37
7	67	56	48	43	64	54	47	42	50	44	40	47	42	38	43	39	36	34
8	63	51	44	39	60	50	43	38	46	41	36	43	38	35	40	36	33	31
9	59	47	40	35	57	46	39	35	43	37	33	40	35	32	38	34	31	29
10	56	44	37	33	53	43	36	32	40	35	31	38	33	30	35	31	28	27

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	24.4	25.4	25.2	26.2	27.0	24.4	25.4	25.2	26.2	27.0
	3H	25.6	26.5	26.4	27.3	28.2	25.6	26.5	26.4	27.3	28.2
	4H	26.0	26.9	26.8	27.6	28.5	26.0	26.9	26.8	27.6	28.5
	6H	26.3	27.0	27.0	27.8	28.7	26.3	27.0	27.0	27.8	28.7
	8H	26.3	27.1	27.1	27.8	28.8	26.3	27.1	27.1	27.8	28.8
	12H	26.4	27.1	27.1	27.8	28.8	26.4	27.1	27.1	27.8	28.8

UGR Viewed Endwise

4H	2H	24.8	25.7	25.6	26.4	27.3	24.8	25.7	25.6	26.4	27.3
	3H	26.2	26.9	27.0	27.7	28.6	26.2	26.9	27.0	27.7	28.6
	4H	26.7	27.3	27.5	28.1	29.1	26.7	27.3	27.5	28.1	29.1
	6H	27.0	27.6	27.8	28.4	29.4	27.0	27.6	27.8	28.4	29.4
	8H	27.1	27.6	27.9	28.5	29.4	27.1	27.6	27.9	28.5	29.4
	12H	27.2	27.6	28.0	28.5	29.5	27.2	27.6	28.0	28.5	29.5

8H	4H	26.8	27.3	27.6	28.1	29.1	26.8	27.3	27.6	28.1	29.1
	6H	27.3	27.7	28.1	28.5	29.5	27.3	27.7	28.1	28.5	29.5
	8H	27.4	27.8	28.3	28.7	29.7	27.4	27.8	28.3	28.7	29.7
	12H	27.5	27.9	28.4	28.7	29.8	27.5	27.9	28.4	28.7	29.8

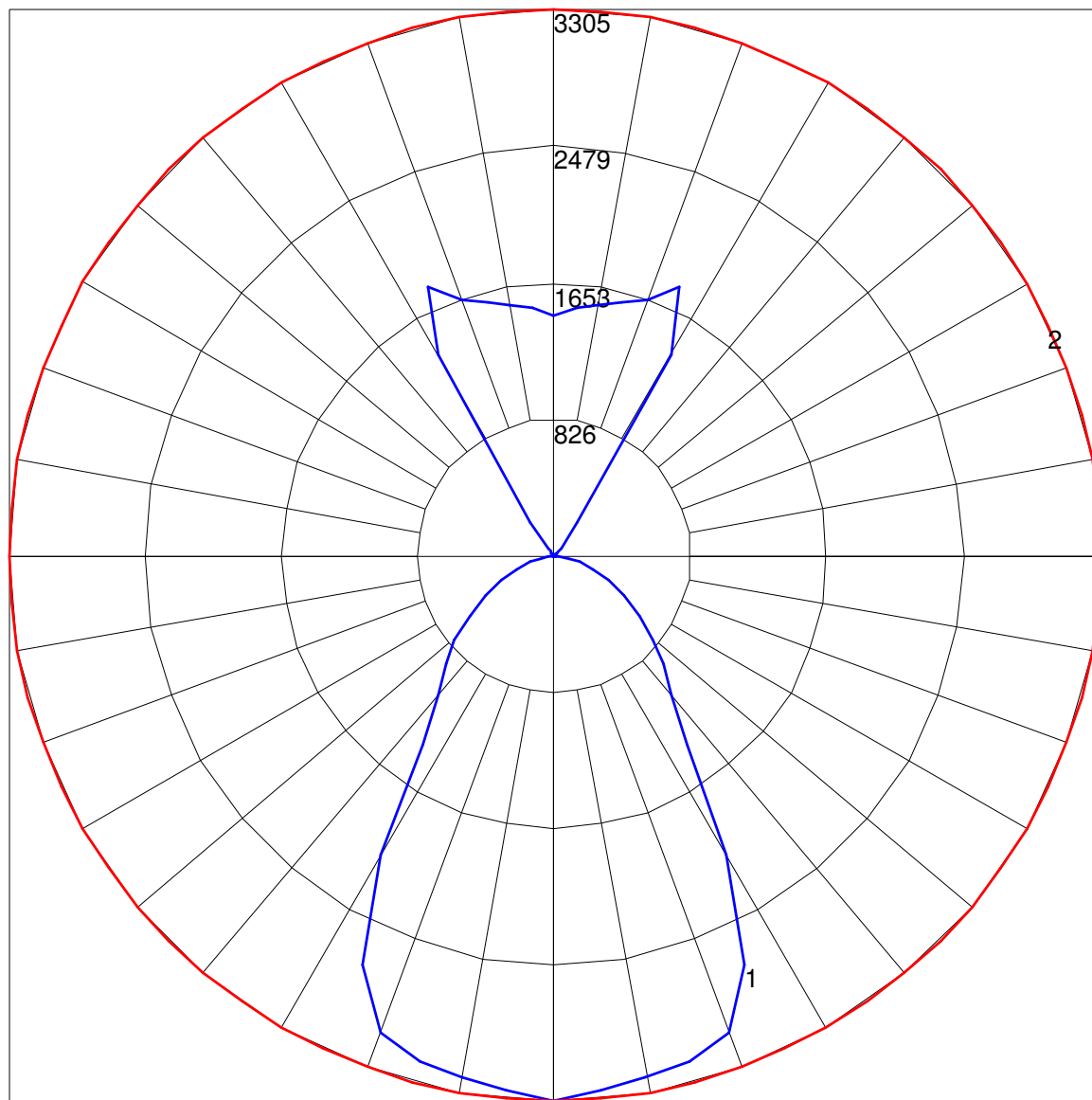
12H	4H	26.8	27.2	27.6	28.1	29.1	26.8	27.2	27.6	28.1	29.1
	6H	27.3	27.7	28.1	28.5	29.5	27.3	27.7	28.1	28.5	29.5
	8H	27.5	27.8	28.3	28.6	29.7	27.5	27.8	28.3	28.6	29.7

Maximum UGR = 29.8

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CRDI-TL-26-L20-835U-L80-835D-RDB-DIM-UNV-OW-LW-CS-AD-CMXX.IES

POLAR GRAPH



Maximum Candela = 3305.33 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)