

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L10-835U-L10-835D-XXX-DIM1-UNV-OW-CSU-OW-CSD-WM_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 13131414.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 01-28-2026

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO. 64836

[LUMCAT] 6CRDI-TL-xx-L10-835U-L10-835D-xxx-DIM1-UNV-OW-CSU-OW-CSD-WM_

[LUMINAIRE] Aluminum housing and reflector

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Cylinder

[_SEARCH_MOUNTING] Wall

[_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	1898
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	18
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.21 ft (Diameter)
Luminous Width (90-270)	0.21 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	9590	9590	9590
55	2956	2956	2956
65	365	365	365
75	0	0	0
85	0	0	0

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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	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399
5	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695
10	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964
15	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443
20	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808
25	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409
30	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207
35	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497
40	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957
45	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426
50	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200
55	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
60	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435
65	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
70	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
100	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
105	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
110	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889
115	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058
120	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173
125	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141
130	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884
135	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590
140	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545
145	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044
150	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453
155	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470
160	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802
165	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248
170	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797
175	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353
180	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500

Vert. Angles 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	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399
5	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695
10	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964
15	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443
20	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808
25	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409
30	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207
35	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497
40	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957
45	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426
50	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200
55	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
60	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435

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CANDELA TABULATION - (Cont.)

65	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
70	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
100	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
105	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
110	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889
115	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058
120	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173
125	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141
130	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884
135	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590
140	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545
145	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044
150	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453
155	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470
160	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802
165	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248
170	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797
175	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353
180	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500

**Vert.
Angles**

Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399
5	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695
10	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964
15	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443
20	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808
25	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409
30	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207
35	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497
40	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957
45	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426
50	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200
55	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
60	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435
65	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
70	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
100	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
105	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
110	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889
115	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058
120	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173
125	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141
130	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884
135	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590

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CANDELA TABULATION - (Cont.)

140	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545
145	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044
150	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453
155	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470
160	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802
165	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248
170	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797
175	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353
180	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500

**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	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399
5	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695
10	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964
15	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443
20	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808
25	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409
30	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207
35	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497
40	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957
45	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426
50	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200
55	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
60	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435
65	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
70	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
100	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
105	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
110	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889
115	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058
120	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173
125	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141
130	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884
135	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590
140	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545
145	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044
150	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453
155	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470
160	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802
165	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248
170	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797
175	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353
180	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500

**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	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399
5	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695

IES INDOOR REPORT

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CANDELA TABULATION - (Cont.)

10	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964
15	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443
20	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808
25	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409
30	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207
35	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497
40	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957
45	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426
50	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200
55	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
60	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435
65	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
70	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
100	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
105	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
110	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889
115	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058
120	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173
125	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141
130	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884
135	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590
140	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545
145	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044
150	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453
155	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470
160	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802
165	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248
170	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797
175	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353
180	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500

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	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399
5	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695
10	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964
15	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443
20	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808
25	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409
30	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207
35	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497
40	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957
45	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426
50	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200
55	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
60	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435
65	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
70	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L10-835U-L10-835D-XXX-DIM1-UNV-OW-CSU-OW-CSD-WM_IES

CANDELA TABULATION - (Cont.)

85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
100	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
105	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
110	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889
115	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058
120	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173
125	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141
130	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884
135	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590
140	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545
145	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044
150	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453
155	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470
160	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802
165	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248
170	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797
175	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353
180	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500

**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	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399	881.399
5	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695	907.695
10	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964	934.964
15	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443	954.443
20	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808	996.808
25	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409	1086.409
30	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207	851.207
35	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497	149.497
40	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957	38.957
45	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426	21.426
50	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200	11.200
55	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
60	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435	2.435
65	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
70	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
100	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
105	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
110	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889	1.889
115	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058	4.058
120	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173	7.173
125	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141	12.141
130	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884	22.884
135	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590	52.590
140	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545	182.545
145	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044	381.044
150	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453	530.453
155	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470	650.470

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L10-835U-L10-835D-XXX-DIM1-UNV-OW-CSU-OW-CSD-WM_.IES

CANDELA TABULATION - (Cont.)

160	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802	713.802
165	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248	730.248
170	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797	734.797
175	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353	711.353
180	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500	703.500

**Vert.
Angles**

Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	881.399	881.399	881.399
5	907.695	907.695	907.695
10	934.964	934.964	934.964
15	954.443	954.443	954.443
20	996.808	996.808	996.808
25	1086.409	1086.409	1086.409
30	851.207	851.207	851.207
35	149.497	149.497	149.497
40	38.957	38.957	38.957
45	21.426	21.426	21.426
50	11.200	11.200	11.200
55	5.357	5.357	5.357
60	2.435	2.435	2.435
65	0.487	0.487	0.487
70	0.487	0.487	0.487
75	0.000	0.000	0.000
80	0.000	0.000	0.000
85	0.000	0.000	0.000
90	0.000	0.000	0.000
95	0.069	0.069	0.069
100	0.280	0.280	0.280
105	0.769	0.769	0.769
110	1.889	1.889	1.889
115	4.058	4.058	4.058
120	7.173	7.173	7.173
125	12.141	12.141	12.141
130	22.884	22.884	22.884
135	52.590	52.590	52.590
140	182.545	182.545	182.545
145	381.044	381.044	381.044
150	530.453	530.453	530.453
155	650.470	650.470	650.470
160	713.802	713.802	713.802
165	730.248	730.248	730.248
170	734.797	734.797	734.797
175	711.353	711.353	711.353
180	703.500	703.500	703.500

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L10-835U-L10-835D-XXX-DIM1-UNV-OW-CSU-OW-CSD-WM_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	360.19	N.A.	19.00
0-30	823.89	N.A.	43.40
0-40	1002.7	N.A.	52.80
0-60	1025.87	N.A.	54.00
0-80	1026.95	N.A.	54.10
0-90	1026.95	N.A.	54.10
10-90	939.65	N.A.	49.50
20-40	642.50	N.A.	33.80
20-50	660.27	N.A.	34.80
40-70	24.13	N.A.	1.30
60-80	1.08	N.A.	0.10
70-80	0.13	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	1.09	N.A.	0.10
90-120	5.33	N.A.	0.30
90-130	17.41	N.A.	0.90
90-150	304.45	N.A.	16.00
90-180	871.54	N.A.	45.90
110-180	870.46	N.A.	45.80
0-180	1898.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.31
10-20	272.89
20-30	463.70
30-40	178.80
40-50	17.77
50-60	5.40
60-70	0.96
70-80	0.13
80-90	0.00
90-100	0.11
100-110	0.98
110-120	4.24
120-130	12.08
130-140	58.79
140-150	228.26
150-160	292.53
160-170	205.92
170-180	68.65

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L10-835U-L10-835D-XXX-DIM1-UNV-OW-CSU-OW-CSD-WM_.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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	101	98	95	92	94	91	89	87	79	77	76	67	66	65	57	56	56	51
2	95	89	84	81	88	83	79	76	73	70	68	63	61	59	54	53	52	47
3	89	81	76	71	83	77	72	68	67	64	61	59	56	54	51	49	48	44
4	83	75	68	64	78	70	65	61	62	58	55	55	52	50	48	46	45	41
5	78	69	62	57	73	65	59	55	58	54	50	51	48	46	45	43	41	39
6	73	63	57	52	69	60	54	50	54	50	46	48	45	42	43	41	39	36
7	69	59	52	48	65	56	50	46	50	46	43	45	42	39	40	38	36	34
8	65	55	48	44	61	52	46	42	47	43	39	43	39	37	38	36	34	32
9	61	51	45	40	58	49	43	39	44	40	37	40	37	34	36	34	32	30
10	58	48	41	37	55	45	40	36	42	37	34	38	34	32	34	32	30	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L10-835U-L10-835D-XXX-DIM1-UNV-OW-CSU-OW-CSD-WM_.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	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
	3H	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
	4H	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4
	6H	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
	8H	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
	12H	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1

UGR Viewed Endwise

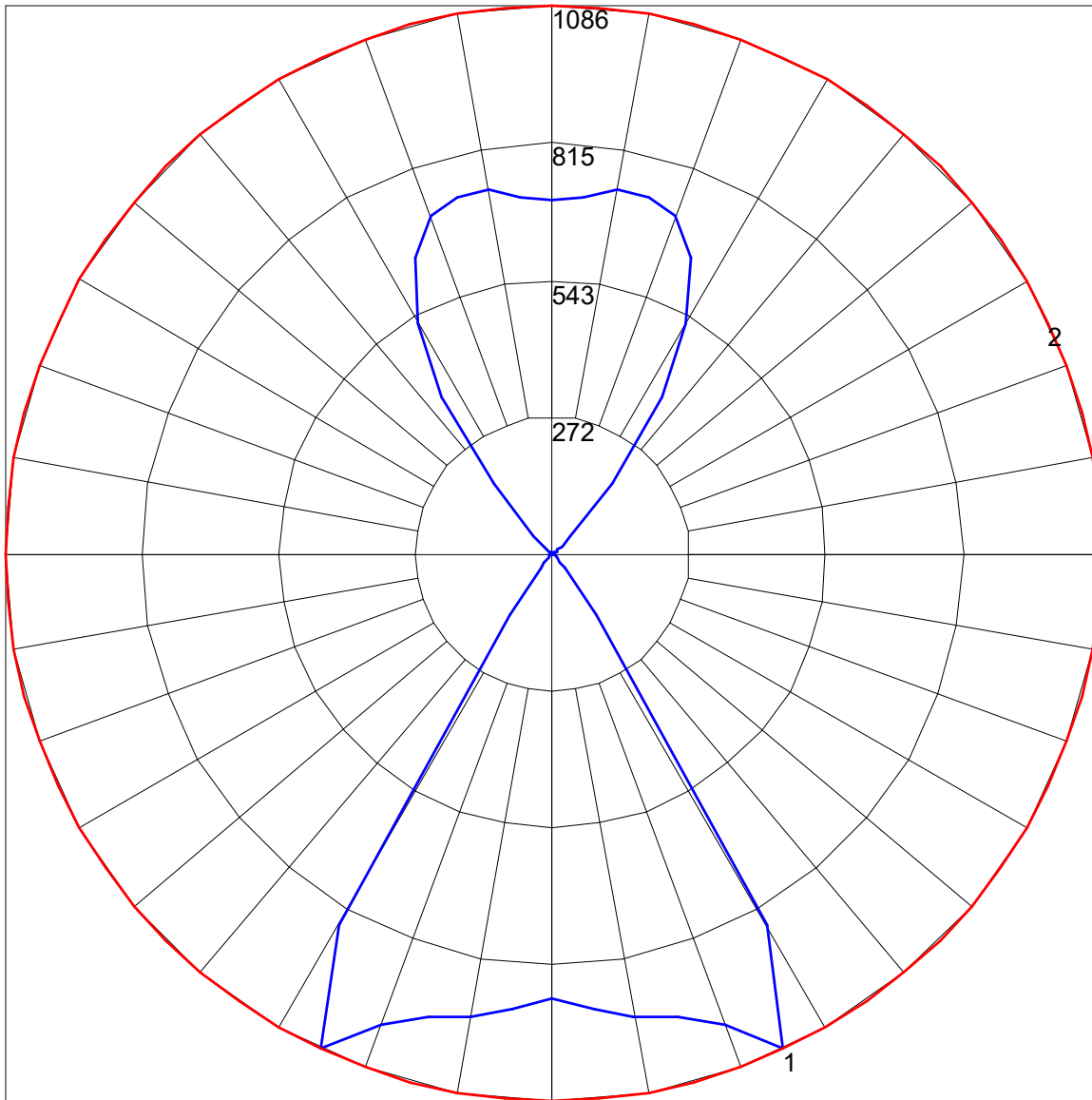
4H	2H	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
	3H	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Maximum UGR = 0.6

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L10-835U-L10-835D-XXX-DIM1-UNV-OW-CSU-OW-CSD-WM_.IES

POLAR GRAPH



Maximum Candela = 1086.409 Located At Horizontal Angle = 0, Vertical Angle = 25

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

2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)