



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CR-TL-L10-840-(L6)-EM7W-XXX-DIM-UNV-OW-CS-XX\_ EM MODE ONLY.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 20687.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 4-FEB-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 1 BRIDGELUX V13 LED 8" ROUND SURFACE CYLINDER

[MORE] OPEN SEMI-SPEC SPUN ALUMINUM REFLECTOR (WIDE)

[LUMCAT] 8CR-TL-L10-840-(L6)-EM7W-xxx-DIM-UNV-OW-CS-xx EM MODE ONLY

[LAMPCAT] V13 BXRE-35E2000

[\_SEARCH\_SOURCETYPE] LED

[\_SEARCH\_APPLICATION] Indoor, Architectural, Classroom, Commercial, Healthcare, Office, Downlight

[\_SEARCH\_MOUNTING] Surface

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.48 ft (Diameter)
Luminous Width (90-270)	0.48 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	1413	1413	1413
55	492	492	492
65	103	103	103
75	0	0	0
85	0	0	0

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**CANDELA TABULATION**

	<u>0</u>
<b>0</b>	608.653
<b>5</b>	574.798
<b>10</b>	632.678
<b>15</b>	631.586
<b>20</b>	659.616
<b>25</b>	721.501
<b>30</b>	708.760
<b>35</b>	219.872
<b>40</b>	30.214
<b>45</b>	16.745
<b>50</b>	9.829
<b>55</b>	4.732
<b>60</b>	2.548
<b>65</b>	0.728
<b>70</b>	0.000
<b>75</b>	0.000
<b>80</b>	0.000
<b>85</b>	0.000
<b>90</b>	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 8CR-TL-L10-840-(L6)-EM7W-XXX-DIM-UNV-OW-CS-XX\_ EM MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	238.75	N.A.	31.30
0-30	564.61	N.A.	74.00
0-40	743.08	N.A.	97.40
0-60	761.99	N.A.	99.90
0-80	762.97	N.A.	100.00
0-90	762.97	N.A.	100.00
10-90	705.63	N.A.	92.50
20-40	504.33	N.A.	66.10
20-50	518.39	N.A.	67.90
40-70	19.89	N.A.	2.60
60-80	0.98	N.A.	0.10
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	762.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	57.34
10-20	181.41
20-30	325.85
30-40	178.47
40-50	14.06
50-60	4.85
60-70	0.98
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

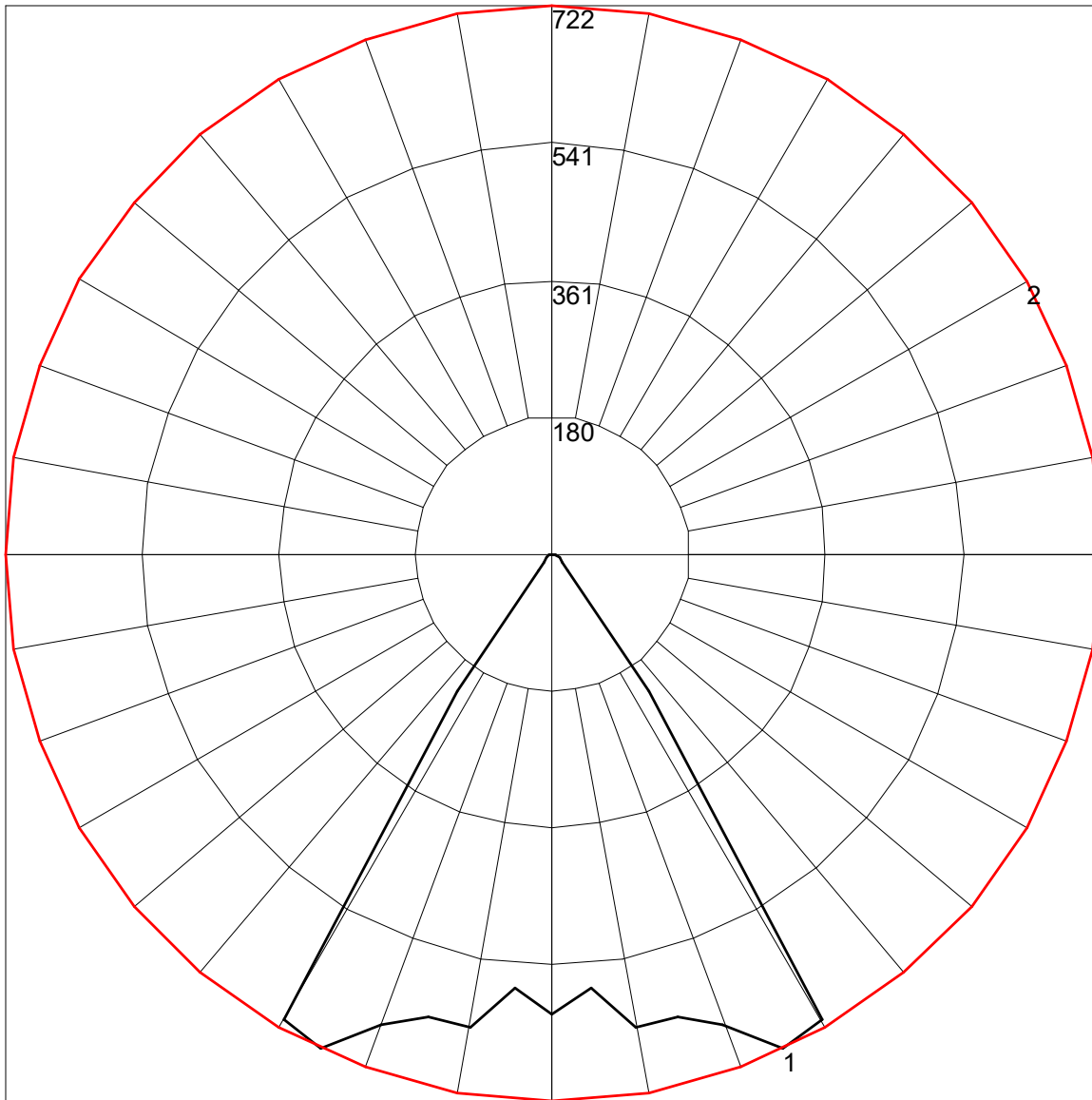
Effective Floor Cavity Reflectance 0.20

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	70	67	65
7	83	74	68	63	82	73	67	63	72	67	63	70	66	62	69	65	62	61
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50

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## POLAR GRAPH



Maximum Candela = 721.501 Located At Horizontal Angle = 0, Vertical Angle = 25

# 1 - Vertical Plane Through Horizontal Angles (90 - 270)

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