



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8CR-TL-L15-940-EM10W-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

[ISSUE DATE] 3-FEB-2021

[MANUFAC] WILLIAMS INDOOR

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

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

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

[MORE] ADVANCE #XI025C070V054DSM5 @ 470mA

[LUMCAT] 8CR-L15-940-EM10W-ITS-xxx-DIM-UNV-OW-CS-xx EM MODE ONLY

[LAMPCAT] V13 BXRE-35E2000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	990
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	10
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	1834	1834	1834
55	639	639	639
65	133	133	133
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	789.733
5	745.806
10	820.906
15	819.489
20	855.859
25	936.154
30	919.623
35	285.286
40	39.203
45	21.727
50	12.753
55	6.140
60	3.306
65	0.945
70	0.000
75	0.000
80	0.000
85	0.000
90	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	309.78	N.A.	31.30
0-30	732.58	N.A.	74.00
0-40	964.15	N.A.	97.40
0-60	988.69	N.A.	99.90
0-80	989.96	N.A.	100.00
0-90	989.96	N.A.	100.00
10-90	915.56	N.A.	92.50
20-40	654.37	N.A.	66.10
20-50	672.62	N.A.	67.90
40-70	25.81	N.A.	2.60
60-80	1.27	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	989.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.40
10-20	235.38
20-30	422.80
30-40	231.57
40-50	18.25
50-60	6.29
60-70	1.27
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

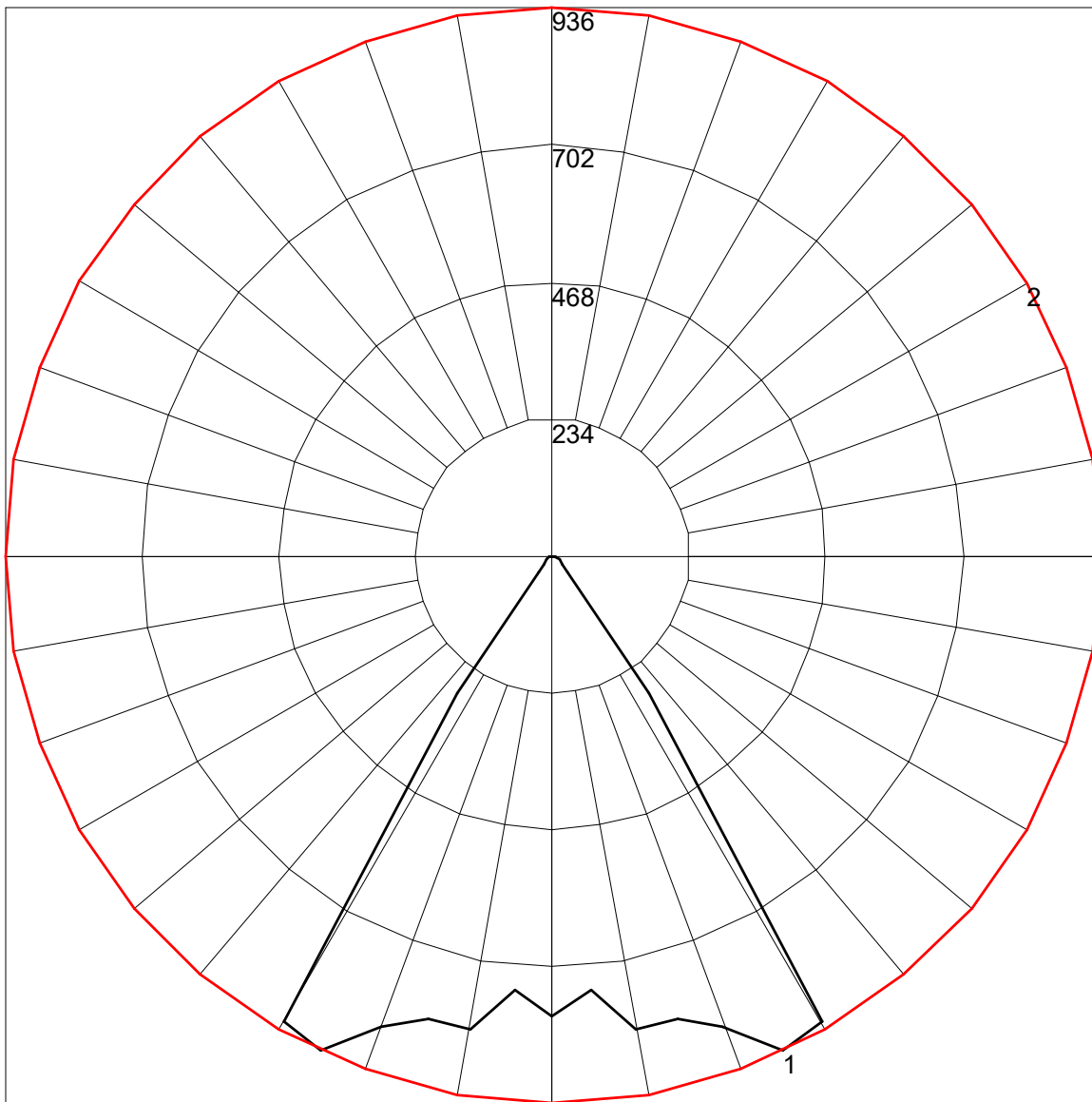
Effective Floor Cavity Reflectance 0.20

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 = 936.154 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.)