



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-L22-8TW-XXX-DIM-UNV-ON-BL-XX_4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] GEN from Photopia see: www.ltioptics.com/ies
 [ISSUEDATE] 28-JAN-2021
 [TEST] H. E. WILLIAMS PHOTOMETRIC REPORT #W00528
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMINAIRE] 6" DIA. SURFACE CYLINDER
 [LUMCAT] 6CR-TL-L22-8TW-xxx-DIM-UNV-ON-BL-xx_4000k
 [LAMPCAT] BXRC-30E4000
 [OTHER] THIS DATA IS BASED ON IN-HOUSE COMPUTER
 [OTHER] SIMULATIONS AND IS PROVIDED AS A GOOD-FAITH
 [OTHER] ESTIMATE OF PHOTOMETRIC PERFORMANCE.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	995
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.46 ft
Luminous Width (90-270)	0.46 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	724	724	724
55	179	179	268
65	121	121	121
75	0	0	0
85	0	0	0

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	<u>0</u>	<u>23</u>	<u>45</u>	<u>68</u>	<u>90</u>
0	1644	1644	1644	1644	1644
5	1540	1558	1544	1539	1537
10	1362	1361	1358	1354	1364
15	1151	1153	1153	1157	1163
20	999	1007	1009	1007	998
25	929	926	929	922	916
30	599	597	591	597	599
35	88	87	88	89	89
40	17	17	17	17	17
45	10	10	10	10	10
50	5	5	5	5	5
55	2	2	2	3	3
60	2	2	2	2	2
65	1	1	1	1	1
70	1	1	1	1	1
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

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Zone	Lumens	%Lamp	%Fixt
0-20	469.17	N.A.	47.20
0-30	864.10	N.A.	86.90
0-40	982.38	N.A.	98.80
0-60	993.02	N.A.	99.80
0-80	994.52	N.A.	100.00
0-90	994.52	N.A.	100.00
10-90	852.52	N.A.	85.70
20-40	513.20	N.A.	51.60
20-50	521.24	N.A.	52.40
40-70	11.88	N.A.	1.20
60-80	1.50	N.A.	0.20
70-80	0.26	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	994.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.00
10-20	327.17
20-30	394.92
30-40	118.28
40-50	8.03
50-60	2.61
60-70	1.24
70-80	0.26
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

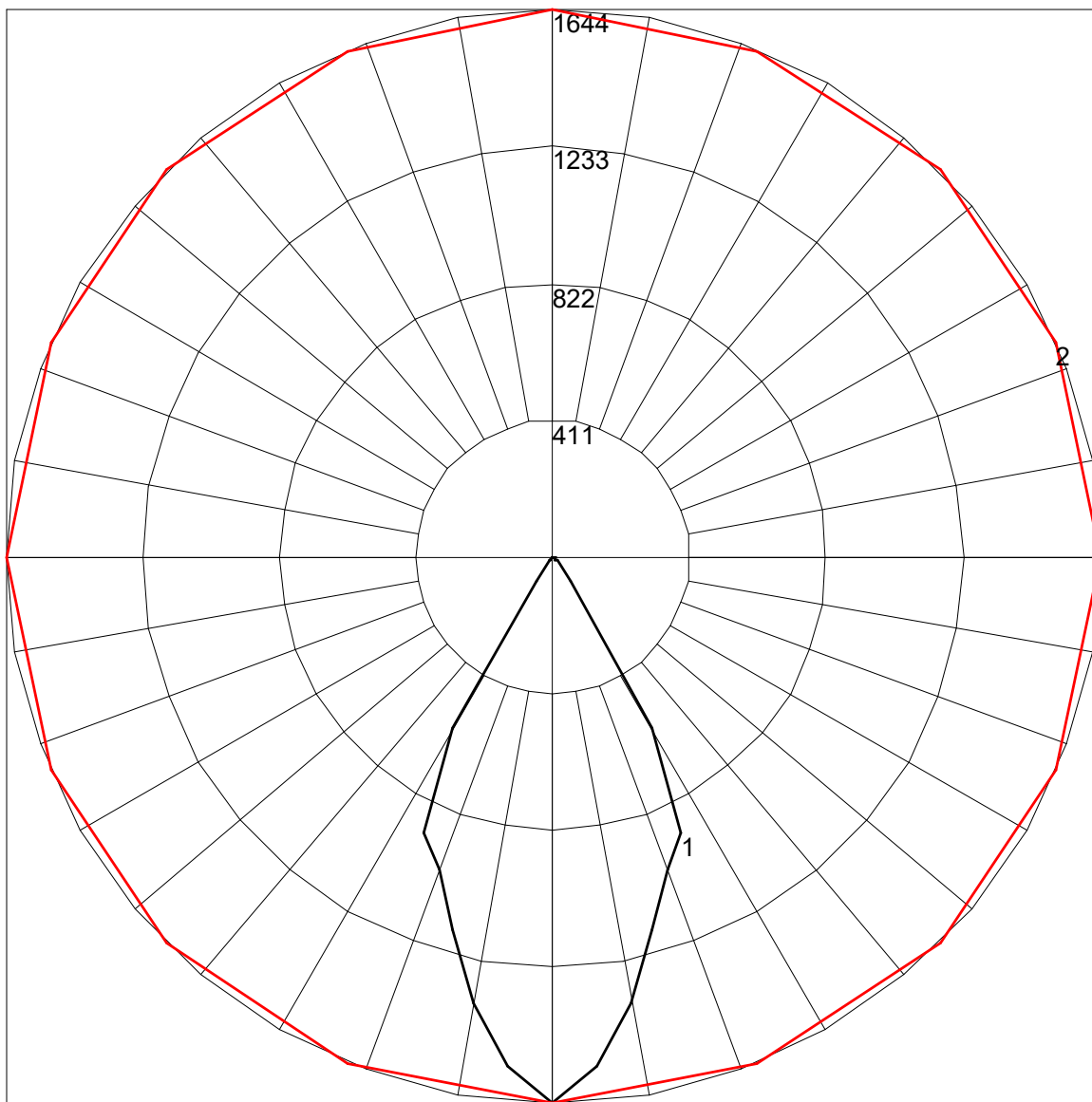
Effective Floor Cavity Reflectance 0.20

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	68
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 1644 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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