IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-24-L55-8FS-SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN from BALLABS TEST NO. 20790.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 03-MAY-2019
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 2-84 LED 22"ARRAYS w/WHITE REFLECTOR
[MORE] FROST SQUARED RIBBED LENS - 2x4 RECESSED LUMINAIRE
[MORE] ADVANCE #XI075C200V054BST1 @ 1525mA
[LUMCAT] PT-24-L55-8FS-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5624
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	183
Total Luminaire Watts	30.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2486	2409	2391
55	2237	2250	2300
65	1955	2163	2369
75	1578	2184	2725
85	731	2358	2848

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	2190.234	2190.234	2190.234	2190.234	2190.234
5	2201.116	2176.935	2164.844	2134.617	2162.426
10	2158.798	2132.803	2117.085	2114.063	2118.295
15	2087.463	2062.073	2048.168	2043.332	2039.705
20	1992.551	1967.765	1944.793	1933.306	1935.120
25	1874.062	1853.508	1843.835	1813.608	1802.122
30	1735.623	1714.464	1692.701	1676.379	1667.311
35	1591.744	1572.398	1546.403	1524.036	1511.340
40	1426.705	1410.987	1383.783	1366.252	1355.975
45	1267.108	1248.972	1227.813	1218.140	1218.745
50	1098.442	1093.001	1070.029	1074.261	1079.702
55	924.940	924.940	930.381	944.890	950.935
60	763.529	767.156	791.942	816.728	831.842
65	595.468	617.231	658.944	701.866	721.816
70	434.057	470.329	530.178	587.609	611.186
75	294.409	331.890	407.457	481.815	508.415
80	154.157	218.238	296.827	375.417	400.203
85	45.945	103.376	148.111	168.061	178.943
90	0.000	1.814	2.418	4.232	2.418

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	783.69	N.A.	13.90
0-30	1628.33	N.A.	29.00
0-40	2596.12	N.A.	46.20
0-60	4387.48	N.A.	78.00
0-80	5471.72	N.A.	97.30
0-90	5624.25	N.A.	100.00
10-90	5418.72	N.A.	96.30
20-40	1812.43	N.A.	32.20
20-50	2766.01	N.A.	49.20
40-70	2444.99	N.A.	43.50
60-80	1084.24	N.A.	19.30
70-80	430.60	N.A.	7.70
80-90	152.54	N.A.	2.70
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	5624.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	205.53
10-20	578.16
20-30	844.64
30-40	967.79
40-50	953.58
50-60	837.78
60-70	653.64
70-80	430.60
80-90	152.54
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	177	177	177	177	173	173	173	173	165	165	165	158	158	158	152	152	152	149
1	161	154	147	141	157	150	144	139	144	139	135	138	134	131	133	130	127	123
2	147	134	124	115	143	131	122	114	126	118	111	121	114	109	117	111	106	103
3	134	118	106	96	130	116	104	95	111	101	93	107	99	92	103	96	90	87
4	123	105	92	82	119	103	91	81	99	88	80	96	86	79	92	84	78	74
5	113	94	80	71	110	92	80	70	89	78	69	86	76	69	83	75	68	65
6	104	85	71	62	102	83	71	62	81	69	61	78	68	60	76	67	60	57
7	97	77	64	55	94	76	63	55	73	62	54	71	61	54	69	60	53	50
8	90	70	58	49	88	69	57	49	67	56	49	66	56	48	64	55	48	45
9	85	65	53	44	82	64	52	44	62	51	44	61	51	44	59	50	44	41
10	79	60	48	40	78	59	48	40	58	47	40	56	47	40	55	46	40	37

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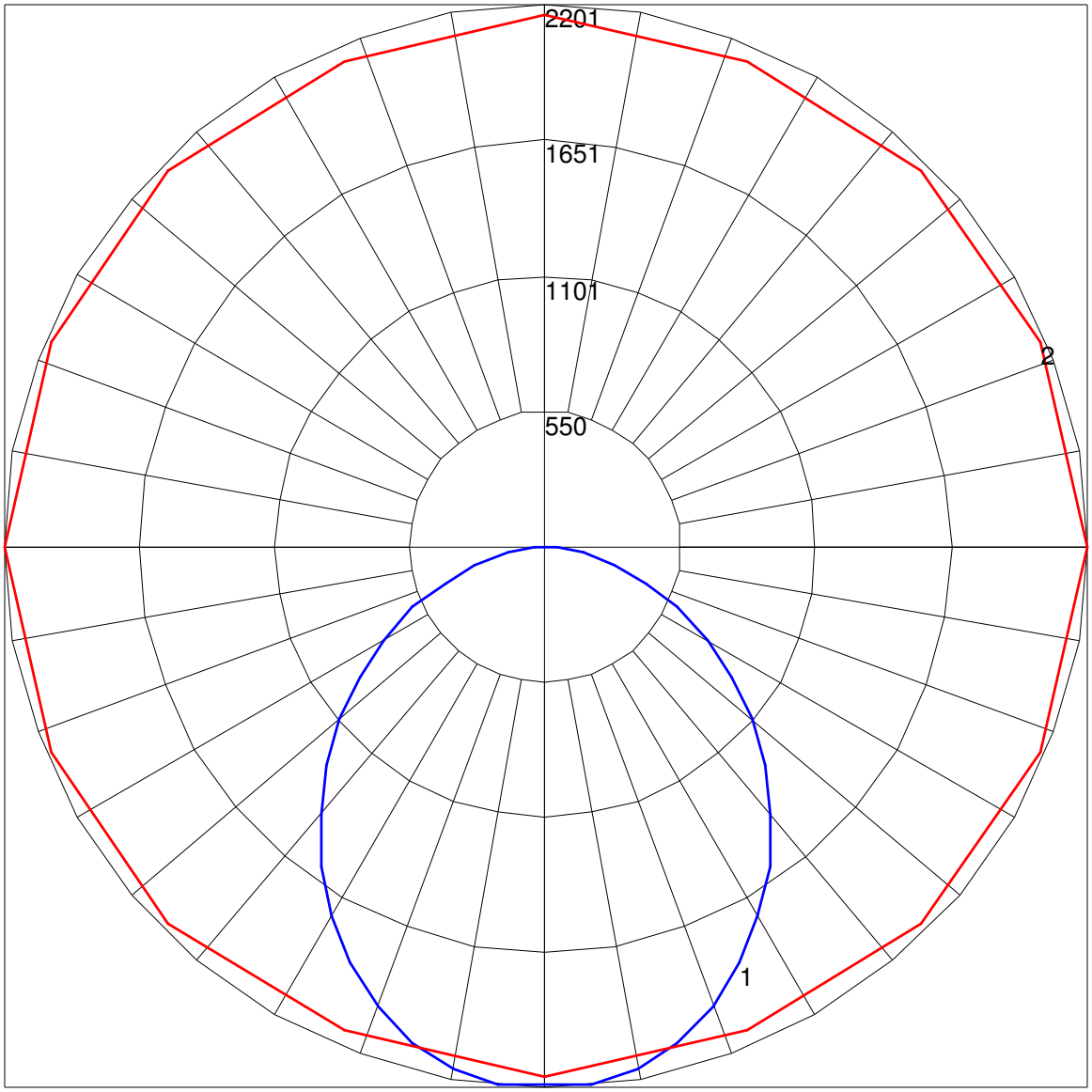
POLAR GRAPH



Maximum Candela = 2201.116 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)