



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-24-L58-8TW-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
 [ISSUE DATE] 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 SURFACE LUMINAIRE
 [MORE] ADVANCE #XI075C200V054BST1 @ 1525mA
 [LUMCAT] PTS-24-L58-8TW-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6054
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	52.6
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	2676	2593	2574
55	2408	2422	2476
65	2104	2328	2551
75	1699	2351	2933
85	787	2538	3066

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2357.695	2357.695	2357.695	2357.695	2357.695
5	2369.409	2343.379	2330.364	2297.826	2327.761
10	2323.856	2295.873	2278.954	2275.700	2280.255
15	2247.067	2219.735	2204.767	2199.561	2195.657
20	2144.898	2118.217	2093.488	2081.123	2083.076
25	2017.349	1995.223	1984.811	1952.273	1939.909
30	1868.326	1845.549	1822.122	1804.551	1794.790
35	1713.445	1692.621	1664.638	1640.560	1626.894
40	1535.788	1518.869	1489.585	1470.713	1459.650
45	1363.988	1344.466	1321.689	1311.277	1311.928
50	1182.427	1176.570	1151.841	1156.397	1162.253
55	995.659	995.659	1001.516	1017.134	1023.642
60	821.907	825.812	852.493	879.174	895.443
65	640.996	664.424	709.326	755.530	777.005
70	467.244	506.290	570.715	632.537	657.916
75	316.919	357.266	438.611	518.654	547.287
80	165.943	234.924	319.522	404.121	430.802
85	49.458	111.280	159.436	180.911	192.624
90	0.000	1.952	2.603	4.555	2.603

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	843.61	N.A.	13.90
0-30	1752.83	N.A.	29.00
0-40	2794.61	N.A.	46.20
0-60	4722.93	N.A.	78.00
0-80	5890.07	N.A.	97.30
0-90	6054.27	N.A.	100.00
10-90	5833.03	N.A.	96.30
20-40	1951.00	N.A.	32.20
20-50	2977.49	N.A.	49.20
40-70	2631.93	N.A.	43.50
60-80	1167.14	N.A.	19.30
70-80	463.53	N.A.	7.70
80-90	164.20	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	6054.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	221.25
10-20	622.36
20-30	909.22
30-40	1041.79
40-50	1026.49
50-60	901.83
60-70	703.61
70-80	463.53
80-90	164.20
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

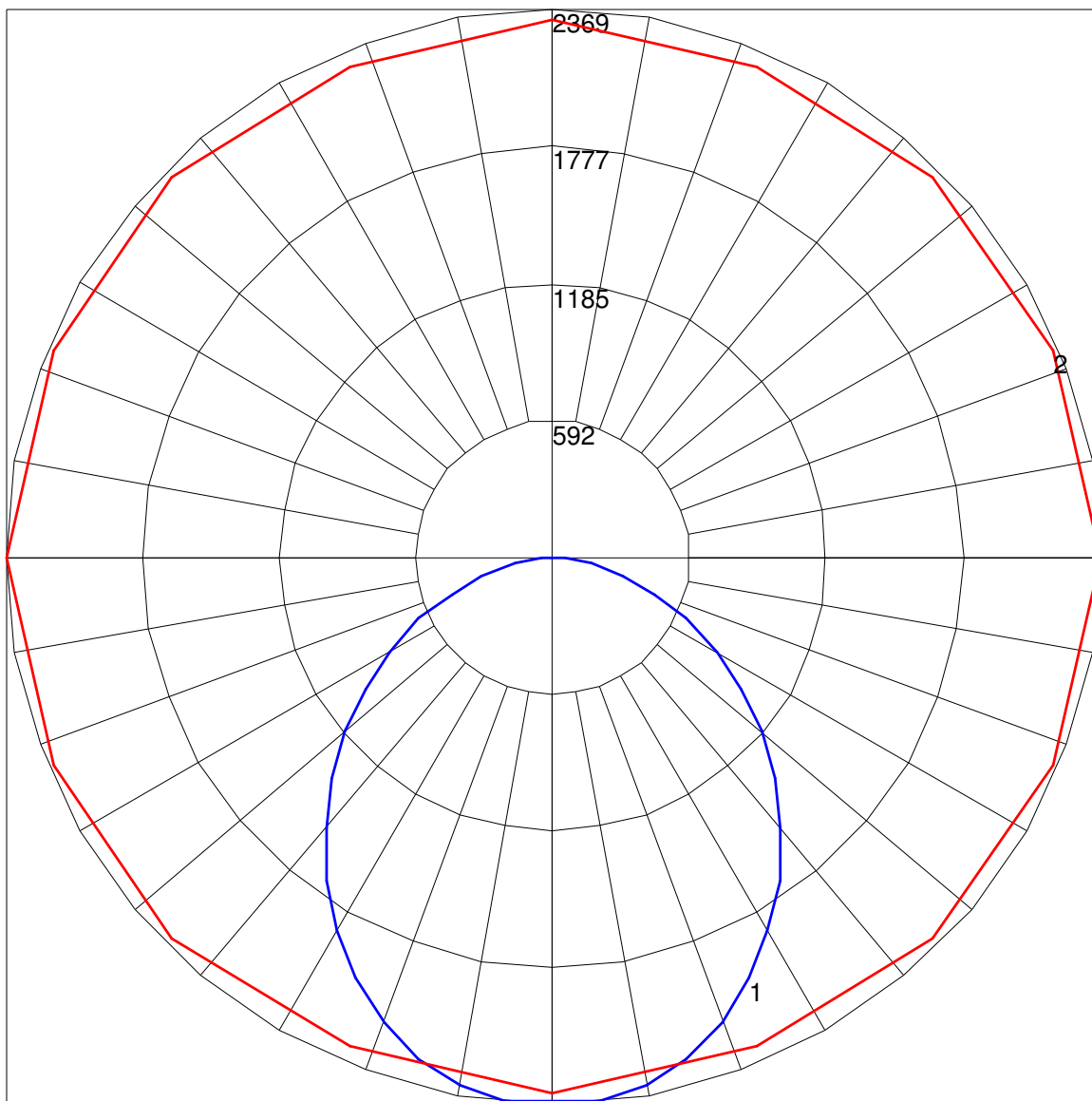
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 2369.409 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.)