



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-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  
 [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-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

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

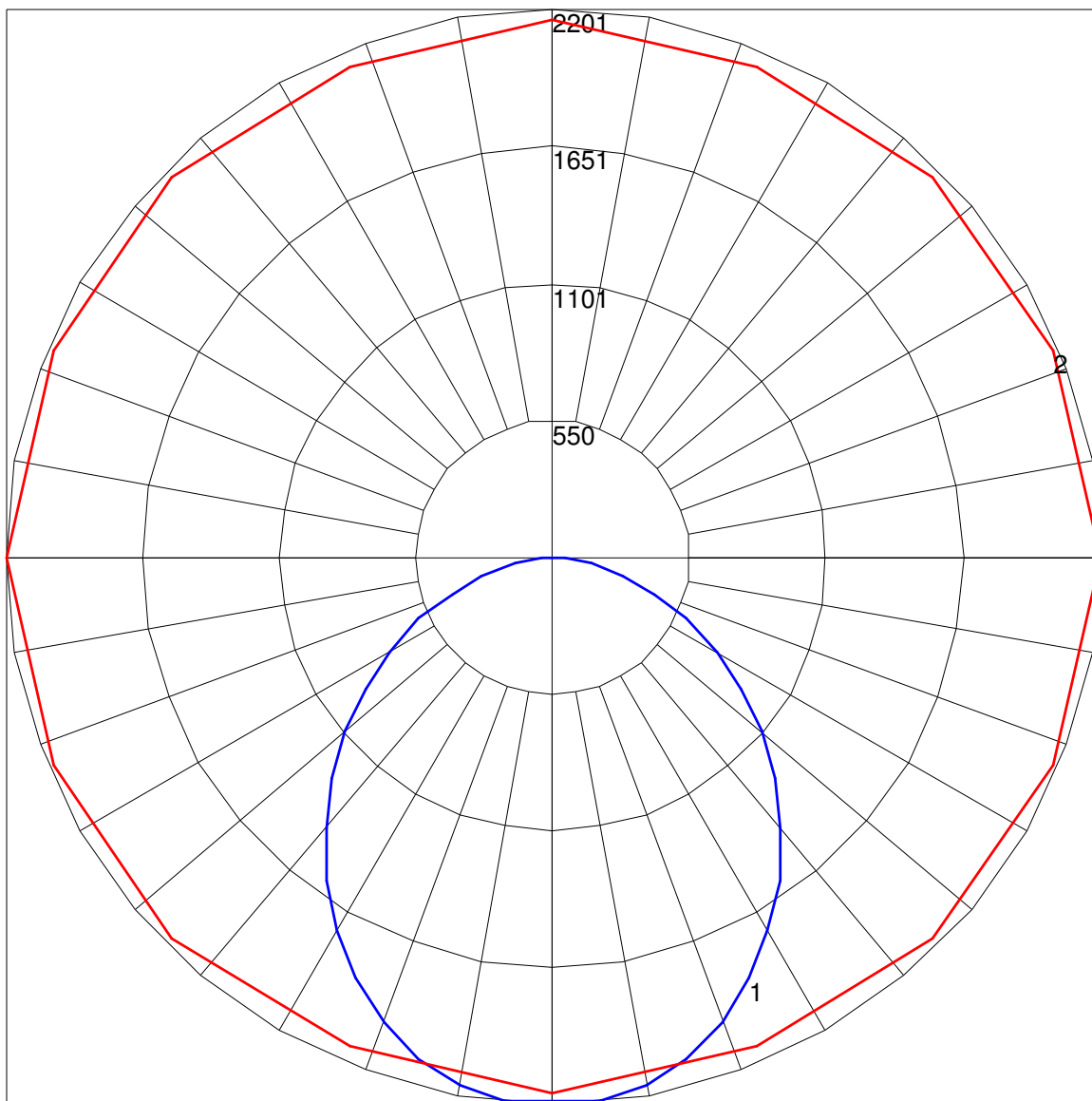
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 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.)