



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-24-L84-835-RA-TBOX.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN from BALLABS TEST NO. 19535.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 05-OCT-2016  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO  
 [LUMINAIRE] 2-56 LED 22"ARRAYS 2x4'RECESSED LUMINAIRE  
 [MORE] WHITE REFLECTOR w/CENTER FROSTED RIBBED ACRYLIC LENS  
 [MORE] EVERLINE #D10CC55UNVTZ-C @ 1030mA  
 [LUMCAT] PTS-24-L84-835-RA-DIM  
 [LAMPCAT] M10CC840D56N2A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8470
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	68.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3646	3936	4165
55	3165	3576	3923
65	2786	3441	3965
75	2108	3352	4248
85	1247	4471	5248

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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>	3198.091	3198.091	3198.091	3198.091	3198.091
<b>5</b>	3182.337	3182.337	3182.337	3183.769	3183.769
<b>10</b>	3127.914	3127.914	3130.778	3136.507	3139.371
<b>15</b>	2974.669	2978.965	2987.559	3000.448	3006.177
<b>20</b>	2915.949	2924.542	2946.025	2966.076	2971.805
<b>25</b>	2632.374	2645.264	2676.772	2703.984	2715.442
<b>30</b>	2430.435	2450.486	2490.587	2534.985	2549.307
<b>35</b>	2212.741	2239.953	2295.809	2350.232	2373.147
<b>40</b>	1985.022	2019.395	2095.301	2161.182	2185.529
<b>45</b>	1800.269	1846.099	1943.489	2026.556	2056.632
<b>50</b>	1535.313	1582.575	1689.990	1778.786	1816.023
<b>55</b>	1267.493	1316.187	1432.195	1535.313	1571.118
<b>60</b>	1022.587	1077.011	1191.586	1296.136	1333.373
<b>65</b>	822.080	882.232	1015.426	1131.434	1170.103
<b>70</b>	595.793	668.835	809.190	928.062	969.596
<b>75</b>	380.964	461.167	605.818	723.258	767.656
<b>80</b>	210.533	312.218	464.031	580.039	620.140
<b>85</b>	75.906	176.160	272.117	312.218	319.379
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1154.4	N.A.	13.60
0-30	2397.67	N.A.	28.30
0-40	3834.08	N.A.	45.30
0-60	6589.96	N.A.	77.80
0-80	8219.06	N.A.	97.00
0-90	8470.08	N.A.	100.00
10-90	8167.89	N.A.	96.40
20-40	2679.68	N.A.	31.60
20-50	4156.26	N.A.	49.10
40-70	3745.41	N.A.	44.20
60-80	1629.1	N.A.	19.20
70-80	639.57	N.A.	7.60
80-90	251.02	N.A.	3.00
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	8470.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	302.19
10-20	852.21
20-30	1243.27
30-40	1436.41
40-50	1476.58
50-60	1279.3
60-70	989.53
70-80	639.57
80-90	251.02
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

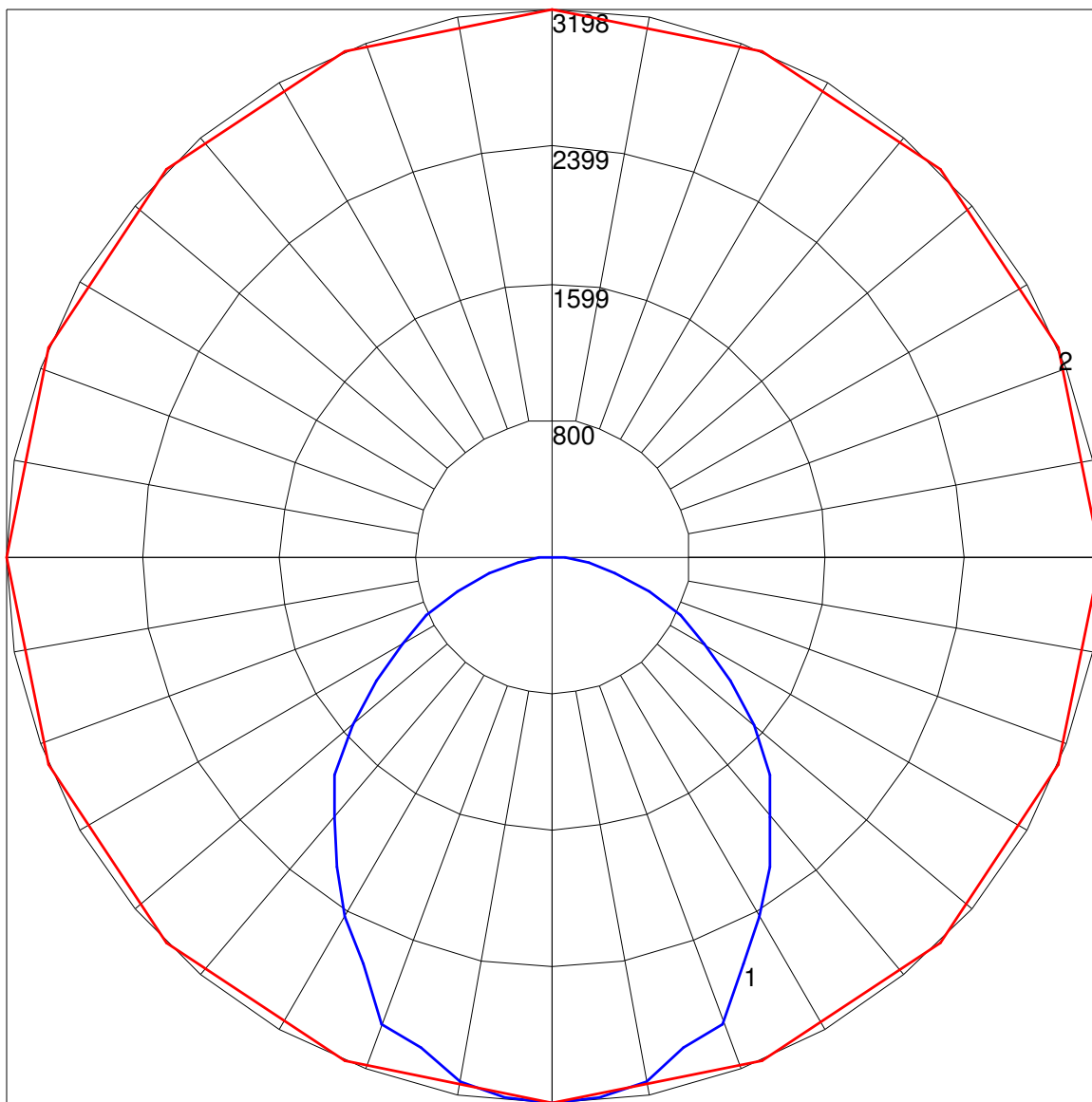
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	112	112	112	112	109	109	109	109	104	104	104	100	100	100	96	96	96	94
1	102	97	93	89	99	95	91	88	91	88	85	87	85	82	84	82	80	78
2	92	85	78	72	90	83	77	72	79	74	70	76	72	68	73	70	67	65
3	84	74	67	60	82	73	66	60	70	64	59	67	62	58	65	61	57	55
4	77	66	58	51	75	65	57	51	62	56	50	60	54	49	58	53	49	47
5	71	59	51	44	69	58	50	44	56	49	44	54	48	43	52	47	43	41
6	66	53	45	39	64	52	44	39	51	44	38	49	43	38	48	42	38	36
7	61	48	40	34	59	48	40	34	46	39	34	45	38	34	43	38	33	32
8	57	44	36	31	55	44	36	31	42	35	30	41	35	30	40	34	30	28
9	53	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25
10	50	38	30	25	49	37	30	25	36	30	25	35	29	25	34	29	25	23

POLAR GRAPH



Maximum Candela = 3198.091 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)