



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-14-L32-8TW-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  
 [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 - 1x4 SURFACE LUMINAIRE  
 [MORE] ADVANCE #XI075C200V054BST1 @ 1525mA  
 [LUMCAT] PTS-14-L32-8TW-SA-DIM-UNV

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3391
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	27.4
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)	0.98 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3030	2936	2914
55	2727	2743	2803
65	2382	2636	2888
75	1923	2662	3321
85	891	2873	3472

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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>	1320.605	1320.605	1320.605	1320.605	1320.605
<b>5</b>	1327.166	1312.586	1305.296	1287.071	1303.838
<b>10</b>	1301.651	1285.977	1276.500	1274.678	1277.229
<b>15</b>	1258.639	1243.330	1234.946	1232.030	1229.843
<b>20</b>	1201.412	1186.467	1172.616	1165.690	1166.784
<b>25</b>	1129.969	1117.575	1111.743	1093.518	1086.592
<b>30</b>	1046.497	1033.739	1020.617	1010.775	1005.308
<b>35</b>	959.744	948.080	932.406	918.920	911.265
<b>40</b>	860.234	850.757	834.354	823.784	817.587
<b>45</b>	764.005	753.069	740.312	734.480	734.844
<b>50</b>	662.307	659.027	645.176	647.727	651.008
<b>55</b>	557.694	557.694	560.975	569.723	573.368
<b>60</b>	460.371	462.558	477.503	492.448	501.560
<b>65</b>	359.038	372.161	397.312	423.191	435.220
<b>70</b>	261.715	283.586	319.672	354.300	368.516
<b>75</b>	177.514	200.114	245.677	290.511	306.550
<b>80</b>	92.949	131.587	178.972	226.358	241.303
<b>85</b>	27.702	62.331	89.304	101.333	107.894
<b>90</b>	0.000	1.094	1.458	2.552	1.458

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	472.53	N.A.	13.90
0-30	981.80	N.A.	29.00
0-40	1565.33	N.A.	46.20
0-60	2645.44	N.A.	78.00
0-80	3299.18	N.A.	97.30
0-90	3391.15	N.A.	100.00
10-90	3267.23	N.A.	96.30
20-40	1092.81	N.A.	32.20
20-50	1667.77	N.A.	49.20
40-70	1474.21	N.A.	43.50
60-80	653.75	N.A.	19.30
70-80	259.63	N.A.	7.70
80-90	91.97	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	3391.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	123.93
10-20	348.60
20-30	509.28
30-40	583.53
40-50	574.96
50-60	505.14
60-70	394.11
70-80	259.63
80-90	91.97
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

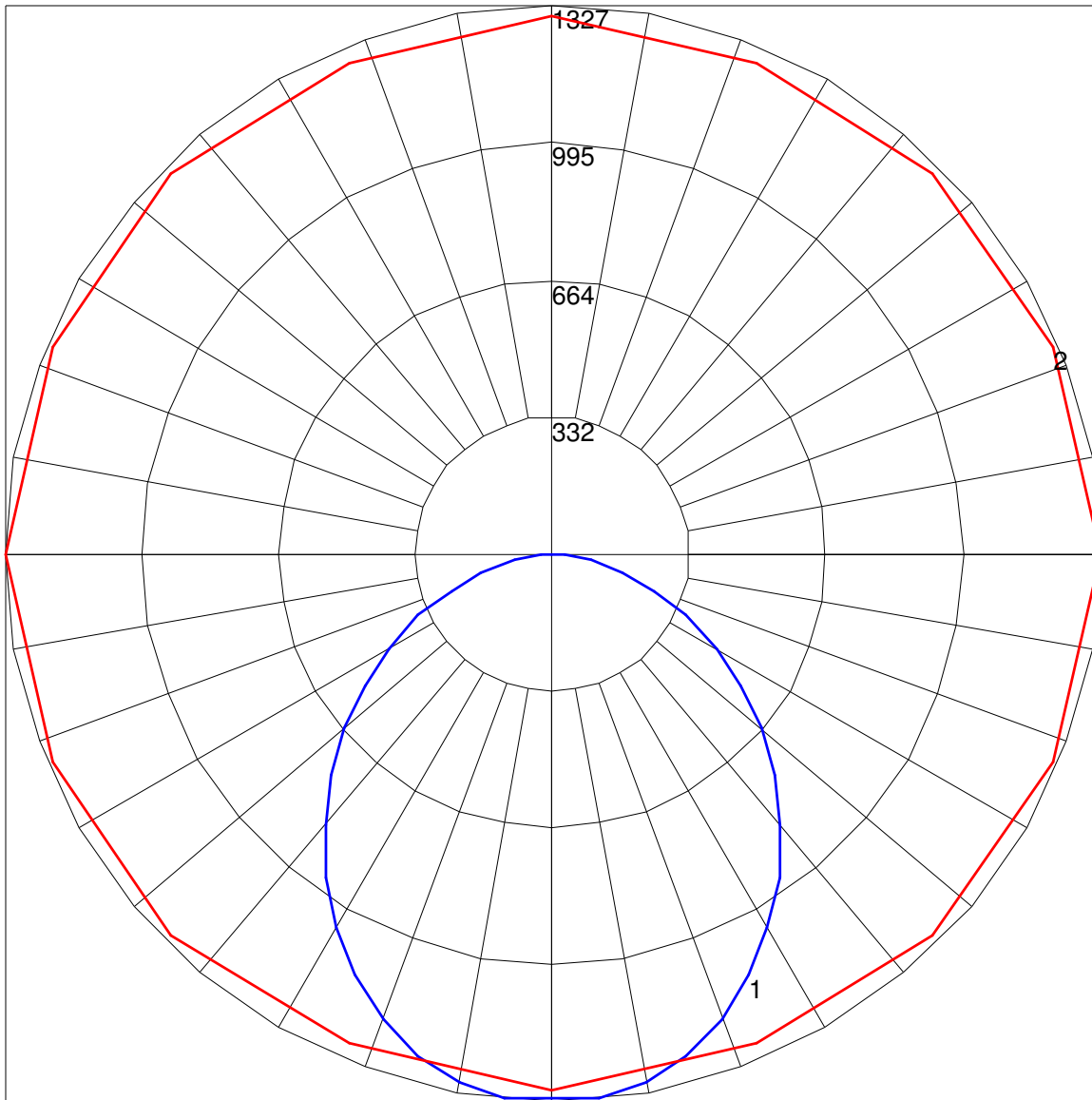
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1327.166 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.)