



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75-4-L65-835-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 17875.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 25-OCT-2019

[MANUFAC] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] 4' STRIP w/WHITE REFLECTOR

[LUMCAT] 75-4-L65-835-DIM-UNV

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6313
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	42.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.62 ft
Luminous Width (90-270)	0.22 ft
Luminous Height	0.01 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28674	27427	27059
55	27952	26442	25904
65	26053	24002	23259
75	21966	19411	18616
85	11522	10967	9054

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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>	2143.362	2143.362	2143.362	2143.362	2143.362
<b>5</b>	2159.024	2145.600	2136.650	2130.684	2128.447
<b>10</b>	2135.159	2121.735	2111.294	2105.328	2102.345
<b>15</b>	2099.361	2082.209	2071.768	2062.818	2065.801
<b>20</b>	2042.682	2028.513	2016.580	2007.631	2012.851
<b>25</b>	1971.088	1959.155	1942.003	1934.545	1931.562
<b>30</b>	1890.544	1873.391	1854.001	1848.035	1832.373
<b>35</b>	1787.627	1773.457	1751.084	1746.609	1730.202
<b>40</b>	1668.303	1638.471	1626.539	1618.335	1613.861
<b>45</b>	1528.842	1492.299	1484.841	1478.129	1472.909
<b>50</b>	1374.466	1340.907	1334.940	1331.957	1314.804
<b>55</b>	1209.650	1174.598	1169.378	1169.378	1154.462
<b>60</b>	1030.663	999.341	984.425	991.137	968.764
<b>65</b>	831.541	808.422	791.269	805.439	775.608
<b>70</b>	630.181	601.096	592.147	607.062	583.943
<b>75</b>	430.313	401.974	401.974	401.974	393.024
<b>80</b>	228.953	224.479	224.479	220.750	211.801
<b>85</b>	76.815	80.544	85.764	82.035	74.578
<b>90</b>	6.712	6.712	10.441	6.712	6.712
<b>95</b>	0.000	0.000	0.000	0.000	0.000
<b>100</b>	0.000	0.000	0.000	0.000	0.000
<b>105</b>	0.000	0.000	0.000	0.000	0.000
<b>110</b>	0.000	0.000	0.000	0.000	0.000
<b>115</b>	0.000	0.000	0.000	0.000	0.000
<b>120</b>	0.000	0.000	0.000	0.000	0.000
<b>125</b>	0.000	0.000	0.000	0.000	0.000
<b>130</b>	0.000	0.000	0.000	0.000	0.000
<b>135</b>	0.000	0.000	0.000	0.000	0.000
<b>140</b>	0.000	0.000	0.000	0.000	0.000
<b>145</b>	0.000	0.000	0.000	0.000	0.000
<b>150</b>	0.000	0.000	0.000	0.000	0.000
<b>155</b>	0.000	0.000	0.000	0.000	0.000
<b>160</b>	0.000	0.000	0.000	0.000	0.000
<b>165</b>	0.000	0.000	0.000	0.000	0.000
<b>170</b>	0.000	0.000	0.000	0.000	0.000
<b>175</b>	0.000	0.000	0.000	0.000	0.000
<b>180</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	789.33	N.A.	12.50
0-30	1687.04	N.A.	26.70
0-40	2784.99	N.A.	44.10
0-60	4981.18	N.A.	78.90
0-80	6204.01	N.A.	98.30
0-90	6310.76	N.A.	100.00
10-90	6107.41	N.A.	96.70
20-40	1995.66	N.A.	31.60
20-50	3144.64	N.A.	49.80
40-70	2988.26	N.A.	47.30
60-80	1222.84	N.A.	19.40
70-80	430.76	N.A.	6.80
80-90	106.75	N.A.	1.70
90-110	2.09	N.A.	0.00
90-120	2.09	N.A.	0.00
90-130	2.09	N.A.	0.00
90-150	2.09	N.A.	0.00
90-180	2.09	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6312.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	203.36
10-20	585.98
20-30	897.70
30-40	1097.96
40-50	1148.99
50-60	1047.2
60-70	792.08
70-80	430.76
80-90	106.75
90-100	2.09
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

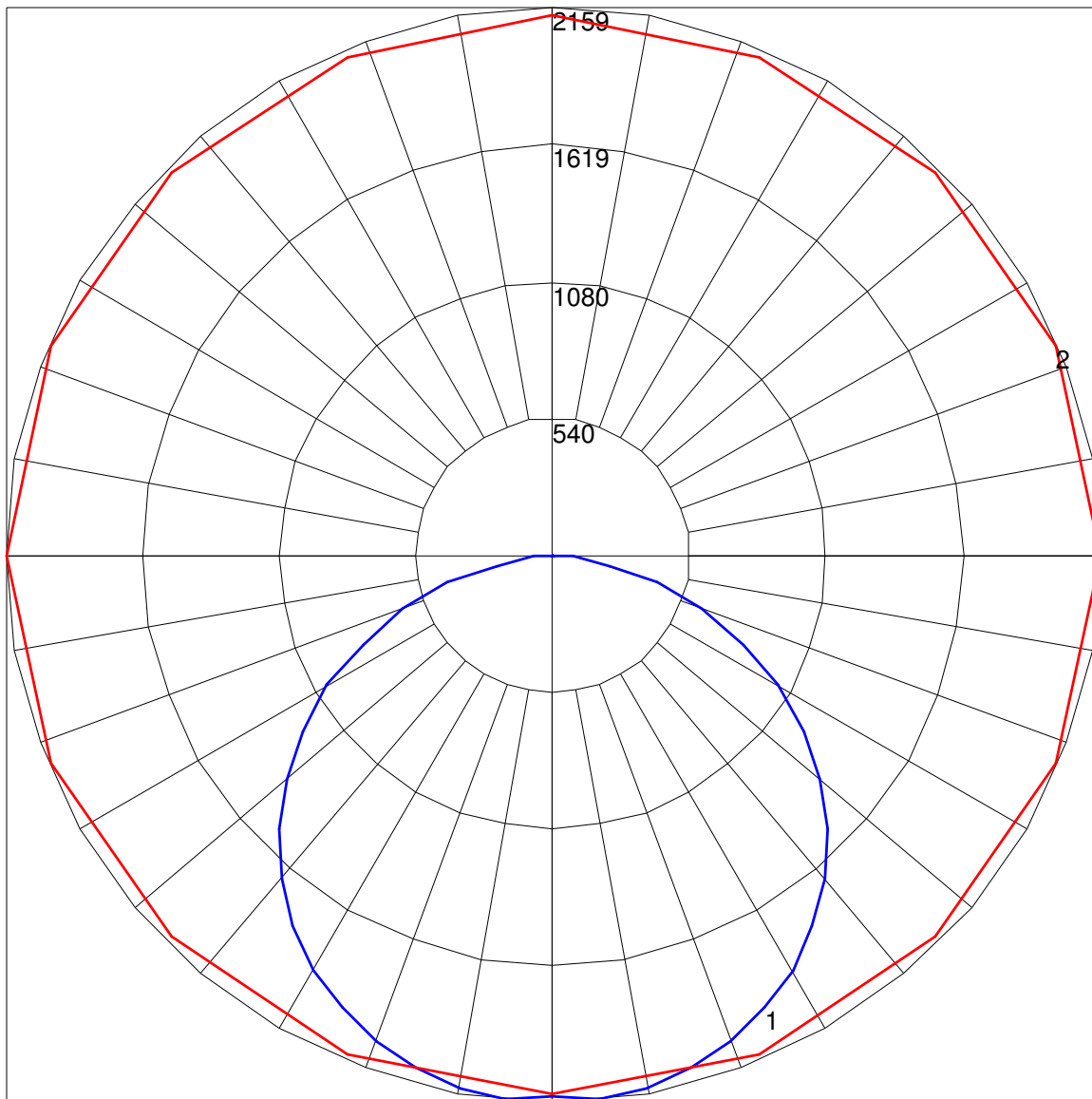
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	278	278	278	278	272	272	272	272	260	260	260	249	249	249	239	239	239	234
1	254	243	233	224	248	238	229	220	228	220	213	219	213	207	210	205	201	196
2	231	212	196	182	225	207	192	180	199	186	176	191	181	172	184	175	168	163
3	210	186	166	151	205	182	164	150	175	159	147	168	155	144	162	151	142	137
4	192	164	143	128	187	161	142	127	155	138	125	150	135	123	144	132	121	116
5	177	146	125	109	172	144	124	109	139	121	108	134	119	106	130	116	105	100
6	163	132	110	95	159	129	109	95	125	107	94	121	105	93	117	103	92	87
7	151	119	98	84	147	117	98	84	114	96	83	110	94	82	107	93	82	77
8	141	109	89	75	137	107	88	75	104	86	74	101	85	74	98	84	73	69
9	131	100	80	67	128	98	80	67	95	79	67	93	77	66	91	76	66	62
10	123	92	73	61	120	91	73	61	88	72	60	86	71	60	84	70	60	56

POLAR GRAPH



Maximum Candela = 2159.024 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.)