



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 390460 (2022).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [DATE]
 [TEST]ITL48515
 [MANUFAC]LDPI
 [LUMCAT]390460
 [LUMINAIRE]FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH,
 [MORE]WHITE PAINTED FABRICATED METAL BALLAST COVER, CLEAR FLAT GLASS
 [MORE]LENS IN EXTRUDED METAL DOOR FRAME.
 [LAMP]SIX 32-WATT T-8 F32T8/TL835 LINEAR FLUORESCENTS.
 [BALLAST]
 [_MOUNTING]RECESSED
 [_PAINTREFL]85.1 %
 [OTHER]THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CHARACTERISTICS

Lumens Per Lamp	2600 (6 lamps)
Total Lamp Lumens	15600
Luminaire Lumens	10213
Total Luminaire Efficiency	65 %
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	170.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.01 ft
Luminous Width (90-270)	1.45 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5775	6565	6905
55	5414	6486	6922
65	4664	6071	6715
75	3142	4741	4498
85	740	1191	1282

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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>
0.0	3297.315	3297.315	3297.315	3297.315	3297.315
2.5	3294.758	3294.758	3295.610	3301.578	3304.988
5.0	3283.676	3287.086	3295.610	3306.692	3310.955
7.5	3267.479	3276.856	3291.348	3307.545	3315.217
10.0	3246.168	3258.102	3283.676	3308.397	3318.627
12.5	3216.332	3235.938	3271.742	3304.988	3318.627
15.0	3179.676	3206.102	3252.987	3299.020	3311.807
17.5	3135.348	3169.446	3229.119	3277.709	3299.020
20.0	3084.200	3123.414	3195.873	3257.250	3278.561
22.5	3026.233	3077.381	3151.545	3222.299	3256.397
25.0	2962.299	3021.971	3118.299	3166.889	3225.709
27.5	2892.397	2962.299	3068.856	3156.659	3189.905
30.0	2813.118	2895.807	3012.594	3109.774	3136.200
32.5	2732.987	2822.495	2951.217	3050.102	3083.348
35.0	2640.921	2740.659	2883.872	2981.905	3004.922
37.5	2543.741	2657.970	2806.298	2899.217	2929.053
40.0	2439.741	2565.052	2718.495	2809.708	2839.544
42.5	2338.298	2460.200	2623.872	2711.675	2744.069
45.0	2212.986	2347.675	2515.610	2611.938	2646.036
47.5	2092.789	2235.150	2403.937	2501.970	2536.069
50.0	1960.658	2121.773	2284.593	2377.511	2420.134
52.5	1822.560	1997.314	2147.347	2254.757	2284.593
55.0	1682.756	1865.183	2016.068	2119.216	2151.609
57.5	1534.428	1724.527	1875.412	1973.445	2005.838
60.0	1380.133	1575.346	1717.707	1821.707	1850.691
62.5	1229.247	1418.493	1562.559	1658.035	1693.838
65.0	1068.132	1252.264	1390.362	1498.625	1537.838
67.5	909.575	1089.444	1221.575	1331.543	1350.297
70.0	750.165	909.575	1041.706	1115.870	1106.493
72.5	587.345	740.788	876.329	881.444	860.132
75.0	440.722	573.706	664.919	652.132	630.820
77.5	305.181	418.558	462.886	451.804	449.246
80.0	186.689	287.279	287.279	273.640	268.525
82.5	97.180	157.705	143.213	137.246	132.984
85.0	34.951	63.082	56.262	59.672	60.525
87.5	6.820	12.787	13.639	13.639	16.197
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1232.79	7.90	12.10
0-30	2665.08	17.10	26.10
0-40	4452.54	28.50	43.60
0-60	8127.48	52.10	79.60
0-80	10119.6	64.90	99.10
0-90	10212.63	65.50	100.00
10-90	9898.38	63.50	96.90
20-40	3219.74	20.60	31.50
20-50	5129.46	32.90	50.20
40-70	5015.69	32.20	49.10
60-80	1992.12	12.80	19.50
70-80	651.38	4.20	6.40
80-90	93.03	0.60	0.90
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	10212.63	65.50	100.00

Total Luminaire Efficiency = 65.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	314.25
10-20	918.55
20-30	1432.29
30-40	1787.45
40-50	1909.72
50-60	1765.22
60-70	1340.74
70-80	651.38
80-90	93.03
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

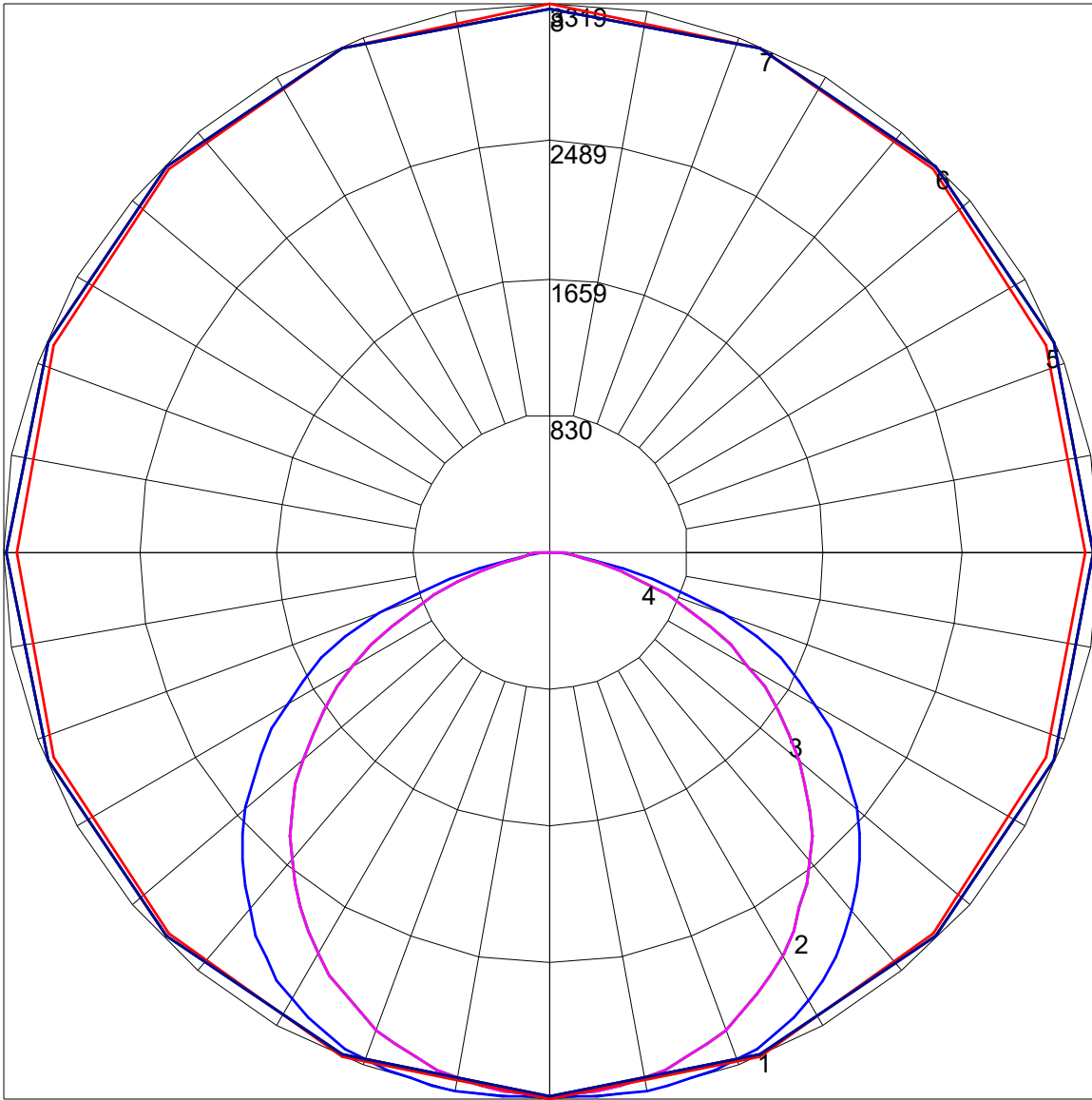
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	78	78	78	76	76	76	76	73	73	73	70	70	70	67	67	67	65
1	71	68	66	63	70	67	64	62	64	62	60	61	60	58	59	58	57	55
2	65	59	55	51	63	58	54	51	56	52	49	54	51	48	52	49	47	46
3	59	52	47	42	57	51	46	42	49	45	41	47	44	41	46	42	40	38
4	54	46	40	36	52	45	40	35	43	39	35	42	38	35	40	37	34	33
5	49	41	35	31	48	40	35	30	39	34	30	38	33	30	36	32	29	28
6	46	37	31	27	44	36	31	26	35	30	26	34	29	26	33	29	26	24
7	42	33	27	23	41	33	27	23	32	27	23	31	26	23	30	26	23	21
8	39	30	25	21	38	30	24	21	29	24	21	28	24	20	27	23	20	19
9	37	28	22	19	36	27	22	19	27	22	18	26	21	18	25	21	18	17
10	34	26	20	17	33	25	20	17	25	20	17	24	20	17	23	19	17	15

POLAR GRAPH



Maximum Candela = 3318.627 Located At Horizontal Angle = 90, Vertical Angle = 10

- # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
- # 2 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 3 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 4 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 5 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)
- # 6 - Horizontal Cone Through Vertical Angle (0)
- # 7 - Horizontal Cone Through Vertical Angle (0)
- # 8 - Horizontal Cone Through Vertical Angle (0)