



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 390420 (2022).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [DATE]
 [TEST]ITL48516
 [MANUFAC]LDPI COMPANY DIVISION OF LPI INC.
 [LUMCAT]390420
 [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]TWO 32-WATT T-8 F32T8/TL835 LINEAR FLUORESCENTS.
 [BALLAST]MAGNETEK B232I120L
 [_MOUNTING]RECESSED
 [_PAINTREFL]85.0 %
 [OTHER]THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.
 [OTHER]TOTAL INPUT WATTS= 49.3 AT 120.0 VOLTS

CHARACTERISTICS

Lumens Per Lamp	2600 (2 lamps)
Total Lamp Lumens	5200
Luminaire Lumens	3045
Total Luminaire Efficiency	59 %
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	49.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.01 ft
Luminous Width (90-270)	0.62 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4522	4611	4360
55	4237	4263	4038
65	3639	3552	3307
75	2479	2351	2351
85	635	846	677

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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	1102.231	1102.231	1102.231	1102.231	1102.231
2.5	1107.346	1103.936	1100.526	1101.378	1101.378
5.0	1103.083	1100.526	1099.673	1101.378	1098.821
7.5	1095.411	1094.559	1094.559	1098.821	1099.673
10.0	1087.739	1087.739	1090.296	1097.116	1097.116
12.5	1079.214	1082.624	1086.887	1093.706	1095.411
15.0	1064.723	1071.542	1078.362	1086.887	1089.444
17.5	1049.378	1056.198	1064.723	1071.542	1080.919
20.0	1031.477	1040.854	1051.936	1064.723	1068.132
22.5	1014.427	1022.952	1036.591	1051.083	1051.083
25.0	991.411	1002.493	1021.247	1029.772	1031.477
27.5	966.690	982.886	999.083	1007.608	1006.755
30.0	939.411	958.165	974.362	979.477	974.362
32.5	912.132	930.886	947.936	945.378	939.411
35.0	881.444	901.050	916.395	907.017	901.903
37.5	849.050	871.214	879.739	862.690	861.837
40.0	814.099	840.526	841.378	816.657	820.067
42.5	778.296	803.870	799.608	776.591	766.362
45.0	739.083	766.362	753.575	739.935	712.657
47.5	696.460	723.739	706.689	694.755	685.378
50.0	652.132	679.411	661.509	649.575	643.607
52.5	606.952	634.230	614.624	602.689	594.165
55.0	561.771	584.788	565.181	547.279	535.345
57.5	511.476	532.788	515.738	490.165	480.787
60.0	461.181	479.935	462.886	434.755	429.640
62.5	408.328	425.378	405.771	382.755	376.787
65.0	355.476	370.820	346.951	328.197	323.082
67.5	300.066	313.705	290.689	274.492	271.082
70.0	249.771	262.558	236.984	227.607	225.049
72.5	196.918	208.853	184.131	178.164	179.017
75.0	148.328	157.705	140.656	140.656	140.656
77.5	103.148	109.967	99.738	106.558	106.558
80.0	63.935	68.197	69.049	75.016	75.016
82.5	32.393	37.508	43.475	40.066	35.803
85.0	12.787	17.902	17.049	14.492	13.639
87.5	4.262	5.115	5.967	6.820	7.672
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	409.03	7.90	13.40
0-30	877.20	16.90	28.80
0-40	1441.96	27.70	47.40
0-60	2518.52	48.40	82.70
0-80	3018.62	58.10	99.10
0-90	3044.61	58.60	100.00
10-90	2939.85	56.50	96.60
20-40	1032.92	19.90	33.90
20-50	1608.65	30.90	52.80
40-70	1419.5	27.30	46.60
60-80	500.10	9.60	16.40
70-80	157.16	3.00	5.20
80-90	25.99	0.50	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	3044.61	58.60	100.00

Total Luminaire Efficiency = 58.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.75
10-20	304.28
20-30	468.17
30-40	564.75
40-50	575.72
50-60	500.84
60-70	342.94
70-80	157.16
80-90	25.99
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

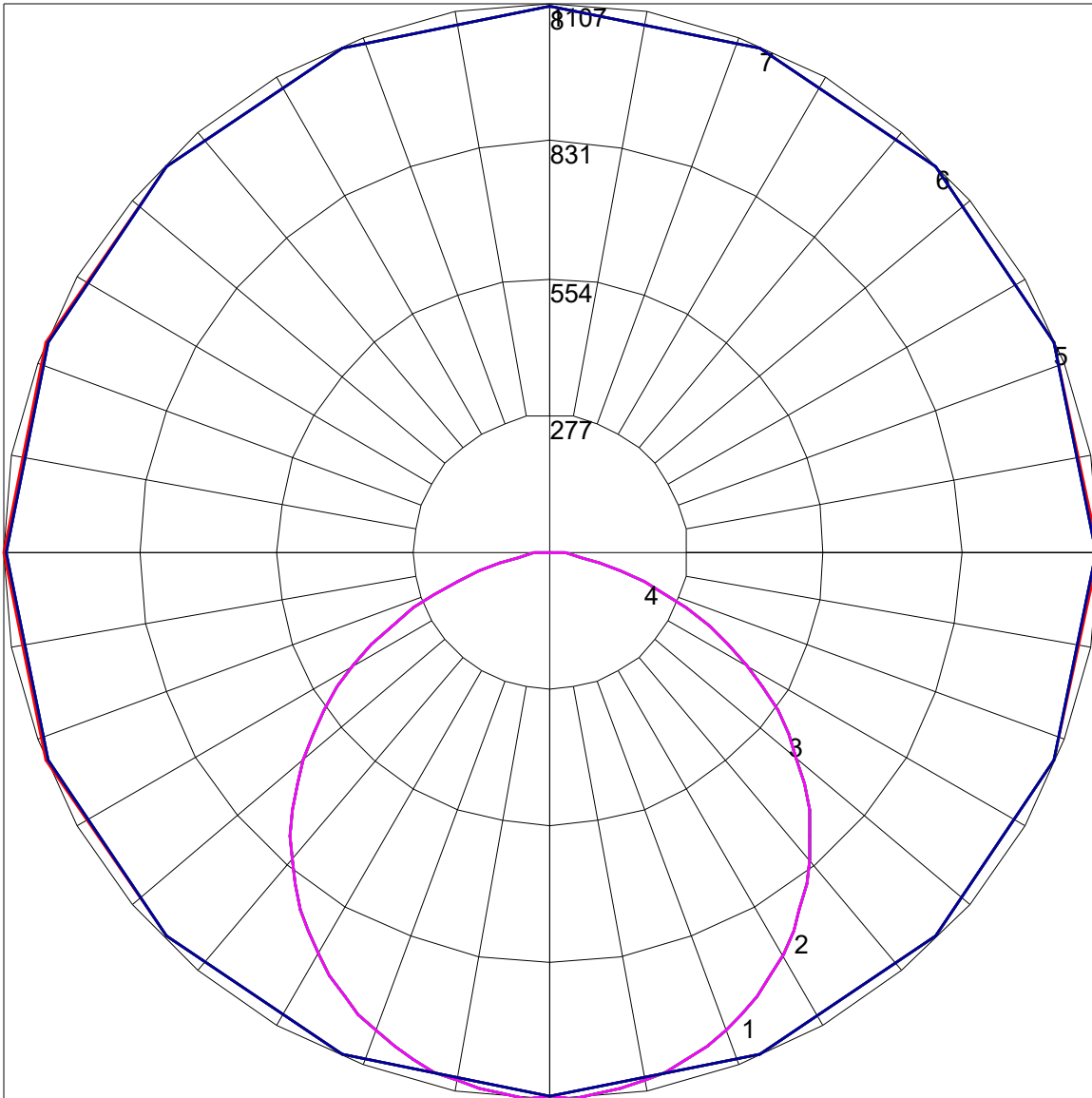
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	70	70	70	70	68	68	68	68	65	65	65	62	62	62	60	60	60	59
1	64	62	59	57	63	60	58	56	58	56	54	55	54	53	53	52	51	50
2	59	54	50	47	57	53	49	46	51	48	45	49	46	44	47	45	43	42
3	53	48	43	39	52	47	42	39	45	41	38	43	40	38	42	39	37	36
4	49	42	37	33	48	41	37	33	40	36	33	39	35	32	37	34	32	31
5	45	38	33	29	44	37	32	29	36	32	28	35	31	28	34	30	28	26
6	42	34	29	25	41	33	29	25	32	28	25	31	28	25	30	27	24	23
7	39	31	26	22	38	30	26	22	29	25	22	29	25	22	28	24	22	20
8	36	28	23	20	35	28	23	20	27	23	20	26	22	20	26	22	19	18
9	34	26	21	18	33	25	21	18	25	21	18	24	20	18	24	20	17	16
10	31	24	19	16	31	23	19	16	23	19	16	22	19	16	22	18	16	15

POLAR GRAPH



Maximum Candela = 1107.346 Located At Horizontal Angle = 0, Vertical Angle = 2.5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (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 (2.5) (Through Max. Cd.)
- # 6 - Horizontal Cone Through Vertical Angle (0)
- # 7 - Horizontal Cone Through Vertical Angle (0)
- # 8 - Horizontal Cone Through Vertical Angle (0)