

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SDL47L840-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]FO32087
 [TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0
 [ISSUEDATE]11/15/2013
 [MANUFAC]DAY-BRITE - CFI
 [LUMCAT]1SDL47L840-4-D-UNV-DIM
 [LUMINAIRE]1X4 SURFACE DUALED
 [MORE]4-LP3.2 4000K BOARDS 1-54W DRIVER 6.2K RESISTOR
 [LAMP]LED. LUMINAIRE OUTPUT = 4666 LMS
 [OTHER]ABSOLUTE TESTING IN ACCORDANCE WITH IES PROCEDURE LM79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4666
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	50.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.90 ft
Luminous Width (90-270)	0.60 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7091	7352	7490
55	6538	6905	7041
65	5635	6075	6057
75	4123	4535	4538
85	1672	2088	2252

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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	1707.8	1707.8	1707.8	1707.8	1707.8
2.5	1696.0	1703.6	1706.3	1712.0	1712.6
5.0	1691.2	1697.8	1699.9	1706.6	1707.3
7.5	1682.3	1688.4	1690.1	1698.5	1699.1
10.0	1669.2	1676.5	1677.1	1685.1	1687.1
12.5	1652.5	1661.2	1661.6	1668.5	1666.7
15.0	1631.9	1641.4	1642.0	1645.2	1647.3
17.5	1608.2	1616.8	1617.0	1622.5	1622.6
20.0	1579.5	1587.2	1590.3	1598.8	1594.1
22.5	1545.8	1554.1	1560.0	1568.1	1565.6
25.0	1509.1	1519.4	1524.6	1532.8	1533.4
27.5	1469.2	1481.0	1486.2	1494.4	1496.8
30.0	1426.6	1436.8	1446.8	1453.1	1453.8
32.5	1378.7	1389.8	1402.5	1408.7	1410.3
35.0	1326.3	1339.6	1351.1	1361.2	1368.1
37.5	1271.6	1285.9	1297.1	1313.7	1319.1
40.0	1214.8	1228.2	1244.1	1264.5	1265.6
42.5	1155.2	1168.2	1189.9	1209.2	1210.3
45.0	1091.1	1106.0	1131.2	1147.6	1152.5
47.5	1023.6	1040.3	1068.4	1085.1	1091.4
50.0	955.5	972.0	1002.1	1020.7	1025.8
52.5	886.6	901.5	933.2	951.8	954.0
55.0	816.0	831.6	861.8	875.8	878.8
57.5	741.8	760.7	787.7	799.7	801.1
60.0	666.5	687.0	712.0	722.6	723.2
62.5	592.2	611.8	636.2	642.8	641.1
65.0	518.2	537.3	558.7	560.3	557.0
67.5	443.8	463.3	480.4	477.1	474.3
70.0	370.5	390.3	402.3	398.1	396.8
72.5	299.6	319.4	327.2	324.2	323.8
75.0	232.2	251.2	255.4	254.8	255.6
77.5	169.1	186.8	189.8	190.8	192.1
80.0	112.9	127.0	130.9	133.4	135.1
82.5	66.3	75.9	80.1	82.3	84.4
85.0	31.7	37.3	39.6	40.8	42.7
87.5	10.9	11.4	11.5	13.3	16.9
90.0	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	625.11	N.A.	13.40
0-30	1327.57	N.A.	28.40
0-40	2171.75	N.A.	46.50
0-60	3802.4	N.A.	81.50
0-80	4613.69	N.A.	98.90
0-90	4666.45	N.A.	100.00
10-90	4504.78	N.A.	96.50
20-40	1546.64	N.A.	33.10
20-50	2414.74	N.A.	51.70
40-70	2173.16	N.A.	46.60
60-80	811.30	N.A.	17.40
70-80	268.78	N.A.	5.80
80-90	52.76	N.A.	1.10
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	4666.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.68
10-20	463.44
20-30	702.45
30-40	844.18
40-50	868.10
50-60	762.54
60-70	542.52
70-80	268.78
80-90	52.76
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

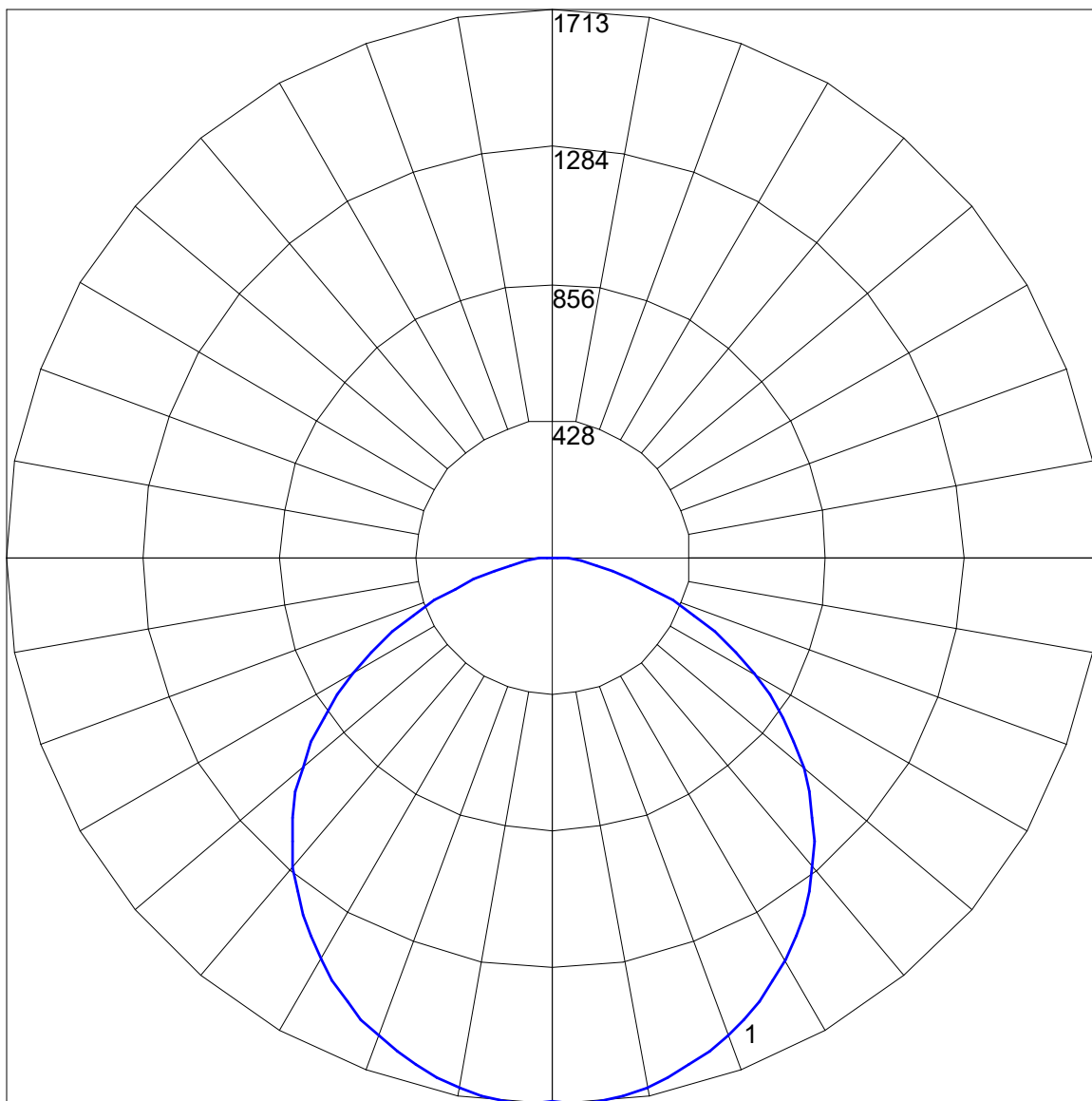
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1712.6 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)