

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SDL41L840-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]FO32086
[TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0
[ISSUEDATE]11/15/2013
[MANUFAC]DAY-BRITE - CFI
[LUMCAT]1SDL41L840-4-D-UNV-DIM
[LUMINAIRE]1X4 SURFACE DUALED
[MORE]4-LP3.2 4000K BOARDS 1-54W DRIVER 4.3K RESISTOR
[LAMP]LED. LUMINAIRE OUTPUT = 4067 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	4067
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	42.8
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	6189	6409	6530
55	5702	6015	6136
65	4908	5296	5283
75	3581	3963	3947
85	1445	1814	1925

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL41L840-4-D-UNV-DIM.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1490.1	1490.1	1490.1	1490.1	1490.1
2.5	1481.2	1486.4	1488.9	1493.4	1493.2
5.0	1476.9	1481.7	1483.2	1488.9	1488.6
7.5	1469.4	1473.4	1474.7	1481.4	1482.1
10.0	1457.9	1463.0	1463.0	1469.9	1471.1
12.5	1443.2	1449.6	1449.5	1455.2	1453.7
15.0	1425.2	1432.2	1432.9	1435.2	1436.2
17.5	1404.2	1411.1	1411.2	1414.8	1414.9
20.0	1378.5	1385.1	1387.2	1394.2	1390.0
22.5	1349.4	1356.1	1361.5	1367.5	1365.0
25.0	1317.5	1325.2	1330.6	1336.8	1337.2
27.5	1282.8	1291.4	1296.9	1303.5	1305.1
30.0	1245.3	1253.0	1262.4	1267.1	1267.8
32.5	1203.2	1212.0	1223.8	1228.7	1229.7
35.0	1157.3	1168.2	1179.2	1187.3	1192.9
37.5	1109.6	1120.9	1131.7	1145.3	1150.4
40.0	1059.8	1070.4	1085.1	1102.3	1103.6
42.5	1008.0	1018.0	1037.7	1054.1	1055.4
45.0	952.2	963.5	986.1	1000.3	1004.8
47.5	893.5	905.8	931.6	945.5	951.6
50.0	834.0	846.0	873.7	889.2	894.4
52.5	773.7	785.0	813.5	828.8	831.5
55.0	711.6	724.3	750.7	762.5	765.8
57.5	647.4	662.2	686.2	696.2	698.3
60.0	581.7	597.7	620.5	628.8	630.6
62.5	516.2	532.3	554.7	559.2	558.9
65.0	451.3	467.4	487.0	487.5	485.8
67.5	387.0	403.0	418.8	415.0	413.5
70.0	323.0	339.4	351.1	346.2	345.5
72.5	260.8	277.5	285.8	281.9	281.6
75.0	201.7	217.9	223.2	221.3	222.3
77.5	147.1	161.9	165.6	165.4	167.1
80.0	97.9	110.0	114.3	115.3	117.0
82.5	57.3	65.8	69.8	71.0	72.6
85.0	27.4	32.2	34.4	34.7	36.5
87.5	9.4	9.7	9.9	10.6	13.7
90.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL41L840-4-D-UNV-DIM.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	545.41	N.A.	13.40
0-30	1158.21	N.A.	28.50
0-40	1894.51	N.A.	46.60
0-60	3315.58	N.A.	81.50
0-80	4021.86	N.A.	98.90
0-90	4067.4	N.A.	100.00
10-90	3926.33	N.A.	96.50
20-40	1349.1	N.A.	33.20
20-50	2105.84	N.A.	51.80
40-70	1893.53	N.A.	46.60
60-80	706.28	N.A.	17.40
70-80	233.81	N.A.	5.70
80-90	45.54	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	4067.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.07
10-20	404.34
20-30	612.80
30-40	736.30
40-50	756.74
50-60	664.33
60-70	472.46
70-80	233.81
80-90	45.54
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

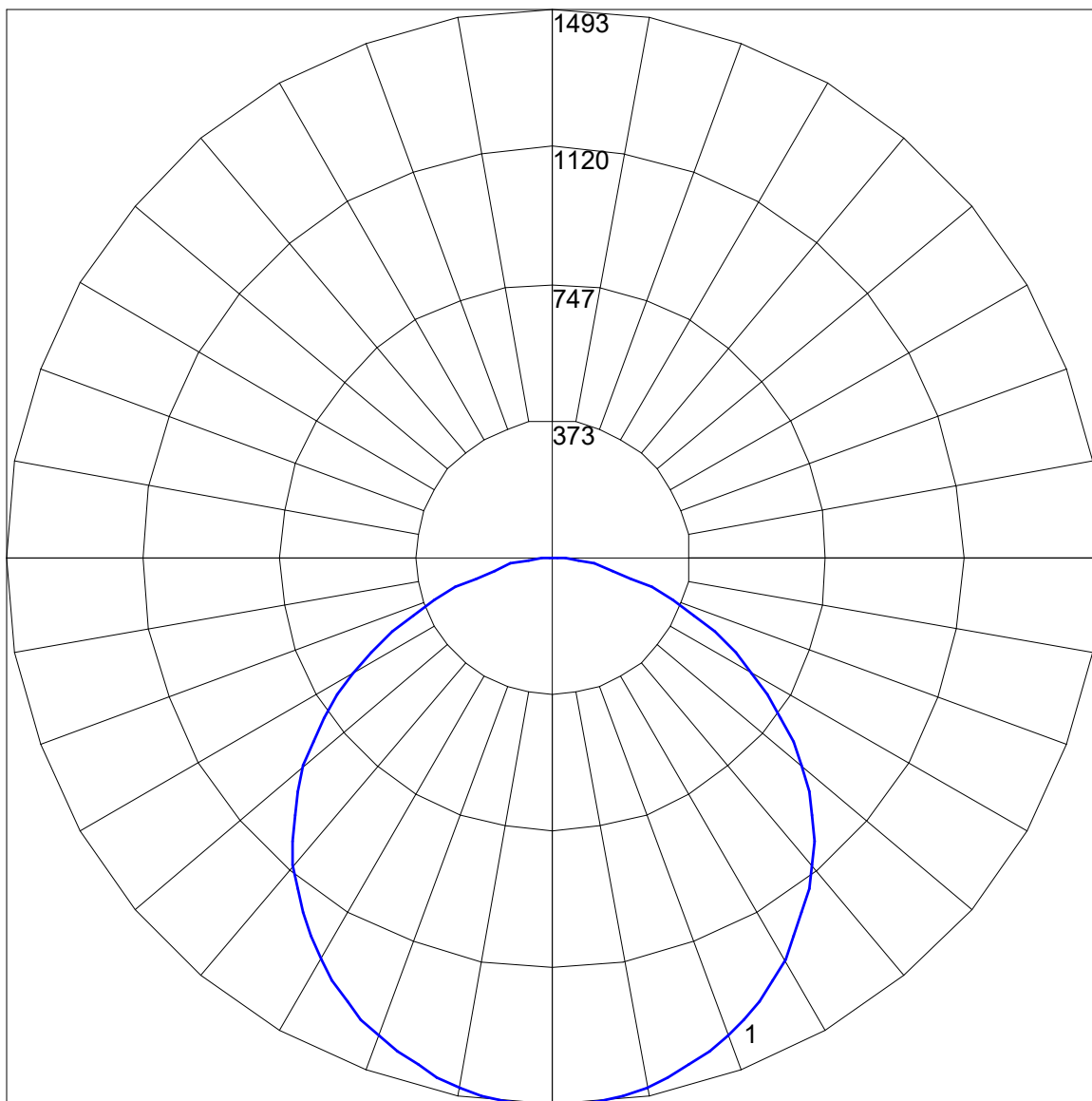
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL41L840-4-D-UNV-DIM.IES

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	79	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	52
5	77	64	55	49	75	63	55	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	37	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	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1493.4 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)