

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SDL27L840-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]FO32088
[TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0
[ISSUEDATE]11/15/2013
[MANUFAC]DAY-BRITE - CFI
[LUMCAT]1SDL27L840-4-D-UNV-DIM
[LUMINAIRE]1X4 SURFACE DUALED
[MORE]4-LP3.2 4000K BOARDS 1-25W DRIVER 2.05K RESISTOR
[LAMP]LED. LUMINAIRE OUTPUT = 2763 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	2763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	28.8
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	4202	4353	4438
55	3871	4086	4170
65	3336	3596	3591
75	2438	2685	2688
85	981	1223	1318

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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	1011.5	1011.5	1011.5	1011.5	1011.5
2.5	1005.4	1009.1	1010.7	1013.8	1013.8
5.0	1002.5	1005.9	1006.9	1010.9	1010.8
7.5	997.4	1000.3	1001.0	1005.8	1006.2
10.0	989.5	993.3	993.2	997.8	998.8
12.5	979.7	984.2	984.0	987.9	987.0
15.0	967.5	972.5	972.8	974.3	975.2
17.5	953.6	958.1	958.2	960.5	960.7
20.0	936.3	940.5	941.8	946.7	943.8
22.5	916.5	920.7	924.2	928.4	926.9
25.0	895.0	899.9	903.2	907.6	908.0
27.5	871.4	877.0	880.3	885.1	886.3
30.0	846.0	850.9	856.8	860.5	860.9
32.5	817.2	823.0	830.5	834.4	835.2
35.0	786.2	793.2	800.3	806.3	810.2
37.5	754.1	761.3	768.4	777.6	781.5
40.0	720.6	727.2	736.8	748.4	749.8
42.5	685.0	691.7	704.4	715.7	717.2
45.0	646.5	654.5	669.8	679.3	682.8
47.5	606.8	615.4	632.8	642.1	646.5
50.0	566.9	575.1	593.4	604.0	607.8
52.5	525.9	533.8	552.5	563.3	565.1
55.0	483.1	492.4	510.0	518.3	520.4
57.5	439.2	450.1	466.5	473.2	474.6
60.0	395.3	406.3	421.8	427.7	428.5
62.5	351.2	362.1	376.7	380.5	380.0
65.0	306.8	318.0	330.7	331.4	330.2
67.5	262.5	273.9	284.4	282.1	281.2
70.0	219.6	230.6	238.4	235.4	235.4
72.5	177.9	188.8	194.0	191.6	191.9
75.0	137.3	148.4	151.2	150.4	151.4
77.5	99.9	110.3	111.9	112.6	114.0
80.0	66.8	75.1	77.2	78.7	80.1
82.5	39.2	44.8	47.2	48.5	49.8
85.0	18.6	22.0	23.2	23.8	25.0
87.5	6.2	6.6	6.5	7.2	9.3
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	370.29	N.A.	13.40
0-30	786.38	N.A.	28.50
0-40	1286.38	N.A.	46.60
0-60	2251.87	N.A.	81.50
0-80	2732.00	N.A.	98.90
0-90	2763.00	N.A.	100.00
10-90	2667.23	N.A.	96.50
20-40	916.09	N.A.	33.20
20-50	1430.11	N.A.	51.80
40-70	1286.65	N.A.	46.60
60-80	480.13	N.A.	17.40
70-80	158.97	N.A.	5.80
80-90	31.00	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	2763.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.77
10-20	274.53
20-30	416.09
30-40	500.00
40-50	514.02
50-60	451.47
60-70	321.16
70-80	158.97
80-90	31.00
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

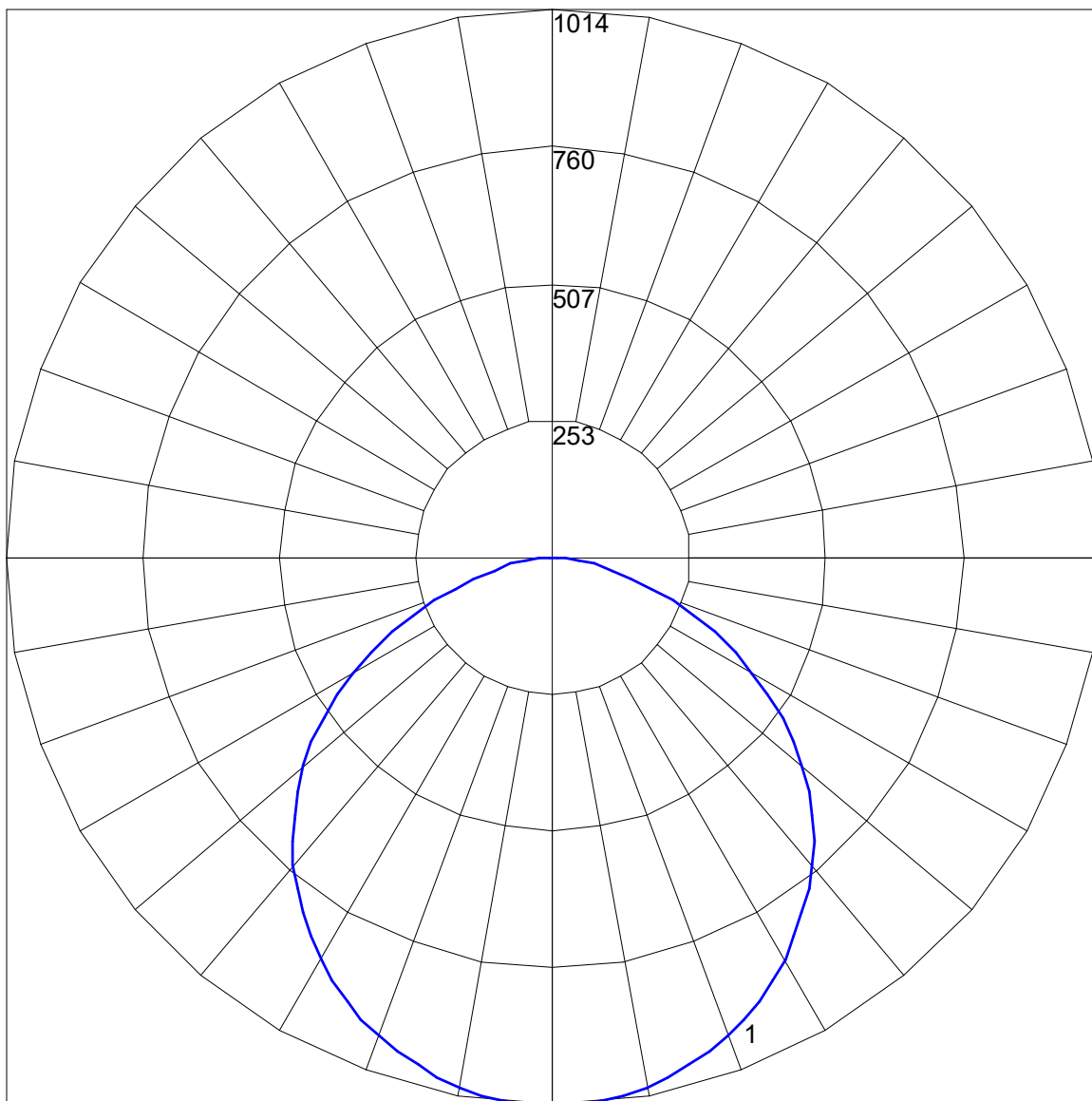
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1013.8 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)