

Day-Brite



by  Signify

IES INDOOR REPORT PHOTOMETRIC FILENAME : 2SDL34L840-2-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]FO32073
[TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0
[ISSUE DATE]11/14/2013
[MANUFACTURER]DAY-BRITE - CFI
[LUMEN CATEGORY]2SDL34L840-2-D-UNV-DIM
[LUMINAIRE]2X2 SURFACE DUALED
[MORE]2-LP3.2 4000K BOARDS W/ 1-54W DRIVER 2.94K RESISTOR
[LAMP]LED. LUMINAIRE OUTPUT = 3423 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	3423
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	35.4
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)	1.90 ft
Luminous Width (90-270)	1.56 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4123	4210	4317
55	3812	3964	4085
65	3323	3534	3610
75	2442	2686	2766
85	1062	1307	1469

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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	1249.0	1249.0	1249.0	1249.0	1249.0
2.5	1249.4	1248.1	1246.3	1246.9	1248.4
5.0	1244.4	1244.2	1242.8	1242.9	1245.9
7.5	1236.8	1236.6	1236.9	1237.2	1238.3
10.0	1224.7	1225.9	1226.4	1228.1	1227.4
12.5	1211.5	1212.3	1212.5	1214.2	1218.9
15.0	1195.7	1195.8	1197.8	1201.8	1203.4
17.5	1177.3	1177.5	1181.4	1184.8	1185.7
20.0	1155.9	1157.4	1160.5	1163.9	1168.7
22.5	1133.0	1134.6	1137.4	1143.5	1146.2
25.0	1106.7	1108.4	1112.2	1119.0	1122.1
27.5	1076.8	1079.2	1084.2	1091.1	1093.6
30.0	1045.2	1046.5	1051.6	1060.2	1063.8
32.5	1010.8	1011.8	1015.8	1026.9	1033.3
35.0	972.0	974.4	981.3	993.2	998.0
37.5	931.5	936.0	945.5	958.3	962.2
40.0	890.6	895.7	905.3	919.2	924.3
42.5	848.7	852.6	863.7	878.2	883.4
45.0	803.6	807.8	820.5	835.9	841.4
47.5	756.0	761.5	775.3	790.5	796.3
50.0	706.2	713.3	728.1	743.1	748.7
52.5	654.8	662.3	678.2	693.0	698.8
55.0	602.6	610.1	626.7	640.9	645.8
57.5	549.7	557.0	574.2	587.2	592.2
60.0	496.4	504.6	521.7	532.9	536.4
62.5	442.3	451.4	467.4	477.0	479.4
65.0	387.1	396.4	411.7	418.6	420.5
67.5	331.4	341.8	355.5	359.1	361.1
70.0	277.0	288.5	299.8	301.5	303.7
72.5	224.8	236.9	244.7	246.5	249.1
75.0	174.2	186.9	191.6	194.6	197.3
77.5	127.3	139.2	142.4	146.4	149.1
80.0	85.2	94.8	98.6	102.8	105.6
82.5	50.6	55.8	60.7	64.0	66.7
85.0	25.5	28.1	31.4	33.3	35.3
87.5	9.8	9.3	10.4	12.0	14.8
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	456.52	N.A.	13.30
0-30	969.34	N.A.	28.30
0-40	1584.65	N.A.	46.30
0-60	2776.5	N.A.	81.10
0-80	3382.04	N.A.	98.80
0-90	3422.97	N.A.	100.00
10-90	3304.78	N.A.	96.50
20-40	1128.14	N.A.	33.00
20-50	1761.32	N.A.	51.50
40-70	1594.77	N.A.	46.60
60-80	605.54	N.A.	17.70
70-80	202.61	N.A.	5.90
80-90	40.93	N.A.	1.20
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	3422.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.19
10-20	338.33
20-30	512.82
30-40	615.32
40-50	633.18
50-60	558.67
60-70	402.93
70-80	202.61
80-90	40.93
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

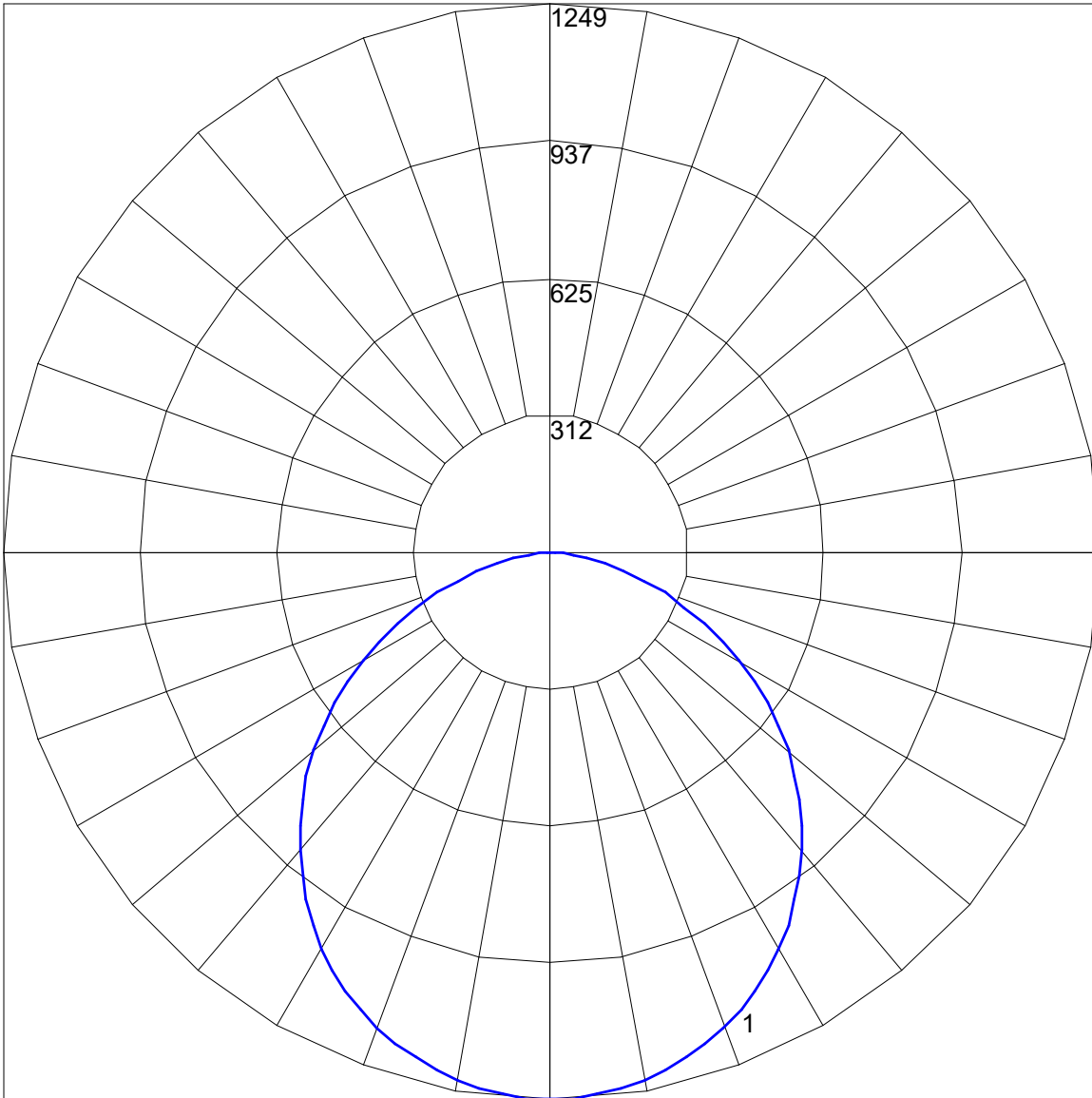
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1249.4 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)