

# Day-Brite



by Signify

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2DLG43L840-4-D-UNV-DIM.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]FO32081  
[TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0  
[ISSUEDATE]11/15/2013  
[MANUFAC]DAY-BRITE - CFI  
[LUMCAT]2DLG43L840-4-D-UNV-DIM  
[LUMINAIRE]2X4 DUALED 4-LP3.2 4000K BOARDS 1-54W DRIVERS 4.3K RESISTOR  
[LAMP]LED. LUMINAIRE OUTPUT = 4292 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	4292
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	40.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.73 ft
Luminous Width (90-270)	1.90 ft
Luminous Height	0.00 ft



### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2180	2211	2241
55	2014	2078	2118
65	1747	1850	1863
75	1279	1414	1425
85	510	728	822

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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>
<b>0.0</b>	1567.4	1567.4	1567.4	1567.4	1567.4
<b>2.5</b>	1564.9	1563.4	1566.3	1564.9	1568.6
<b>5.0</b>	1559.7	1558.2	1561.3	1560.1	1564.6
<b>7.5</b>	1551.3	1549.3	1552.7	1552.1	1556.3
<b>10.0</b>	1539.2	1536.7	1540.1	1540.2	1543.0
<b>12.5</b>	1524.1	1520.8	1524.1	1524.2	1528.5
<b>15.0</b>	1505.4	1502.3	1505.6	1506.4	1507.2
<b>17.5</b>	1483.8	1480.7	1484.9	1484.1	1484.2
<b>20.0</b>	1457.0	1455.8	1459.4	1456.8	1460.8
<b>22.5</b>	1426.3	1427.3	1429.6	1429.2	1431.8
<b>25.0</b>	1393.3	1394.3	1398.7	1398.7	1400.1
<b>27.5</b>	1358.1	1358.4	1363.6	1364.2	1364.8
<b>30.0</b>	1320.6	1320.4	1322.9	1325.8	1328.3
<b>32.5</b>	1277.5	1277.4	1279.3	1284.2	1288.0
<b>35.0</b>	1230.4	1230.8	1235.5	1241.3	1243.1
<b>37.5</b>	1180.4	1181.4	1189.2	1195.9	1197.8
<b>40.0</b>	1128.1	1129.7	1139.6	1146.5	1149.8
<b>42.5</b>	1074.1	1075.8	1086.2	1094.9	1098.3
<b>45.0</b>	1015.8	1019.1	1030.2	1041.8	1044.5
<b>47.5</b>	953.8	959.6	971.8	985.2	988.2
<b>50.0</b>	890.3	897.8	912.0	925.8	928.3
<b>52.5</b>	826.3	834.3	850.1	863.1	866.1
<b>55.0</b>	761.2	768.4	785.3	798.4	800.6
<b>57.5</b>	693.4	700.9	719.1	731.8	733.9
<b>60.0</b>	623.8	633.2	652.2	664.2	665.0
<b>62.5</b>	554.9	565.4	584.4	594.3	592.8
<b>65.0</b>	486.5	496.8	515.3	520.9	518.8
<b>67.5</b>	417.0	428.5	445.9	446.5	444.5
<b>70.0</b>	348.1	361.4	376.1	374.7	372.8
<b>72.5</b>	281.6	296.0	307.5	306.2	305.5
<b>75.0</b>	218.2	232.9	241.1	242.4	243.1
<b>77.5</b>	158.3	174.3	179.9	184.0	185.5
<b>80.0</b>	105.1	119.5	126.2	131.4	132.9
<b>82.5</b>	61.4	71.4	79.5	84.7	86.4
<b>85.0</b>	29.3	36.1	41.8	45.3	47.2
<b>87.5</b>	9.5	11.9	14.4	16.8	19.2
<b>90.0</b>	0.0	0.0	0.0	0.0	0.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	573.10	N.A.	13.40
0-30	1216.79	N.A.	28.30
0-40	1989.88	N.A.	46.40
0-60	3483.09	N.A.	81.10
0-80	4239.48	N.A.	98.80
0-90	4292.26	N.A.	100.00
10-90	4143.97	N.A.	96.50
20-40	1416.78	N.A.	33.00
20-50	2210.69	N.A.	51.50
40-70	1996.34	N.A.	46.50
60-80	756.39	N.A.	17.60
70-80	253.26	N.A.	5.90
80-90	52.78	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	4292.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	148.29
10-20	424.81
20-30	643.69
30-40	773.09
40-50	793.91
50-60	699.30
60-70	503.13
70-80	253.26
80-90	52.78
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

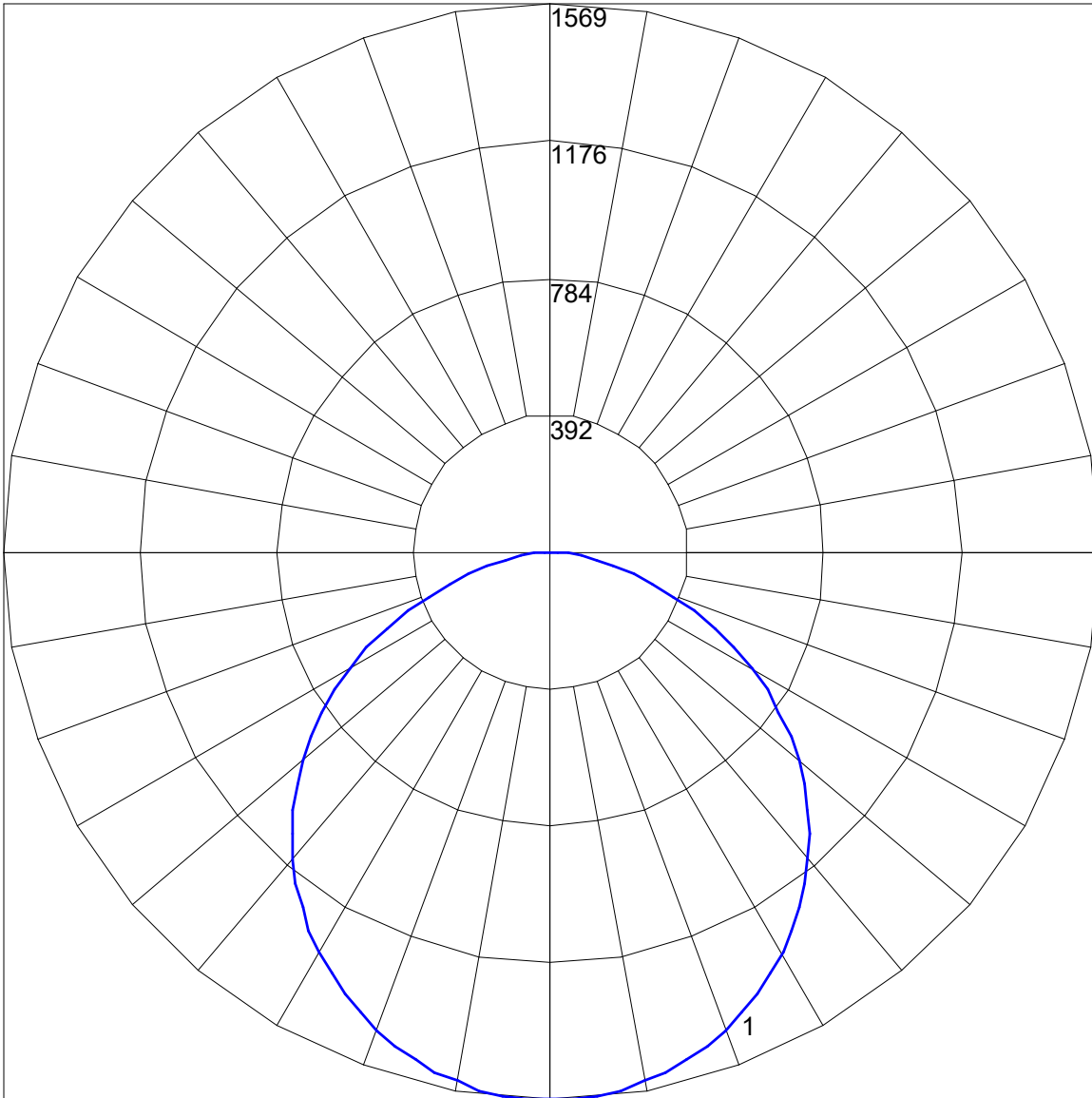
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	100	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	61	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	57	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 = 1568.6 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)