

# Day-Brite

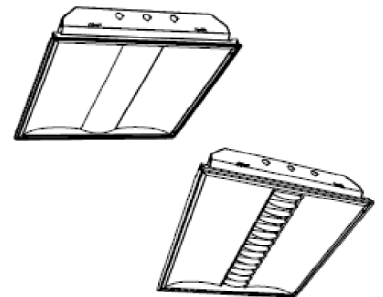
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 29984.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 29984  
[TESTDATE] 11/10/2011  
[LUMCAT] 2STG34L840-2-PMW  
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SOFTRACE LED  
[MORE] W/ PERFORATED DOOR  
[LAMP] 45WLED  
[BALLAST] LED DRIVER  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUEDATE] 11/10/2011  
[\_TEST\_LEVEL]  
[\_TIFF\_FILE\_NAME]  
[\_VERSION] fo2ies 3.0e (2011-02)(90)  
[\_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08  
[\_TEST\_DISTANCE] 30 ft.  
[\_SHIELDING\_ANGLE] Normal 90, Parallel 90  
[OTHER] TOTAL LUMEN OUTPUT = 3002 LUMENS

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3002
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.86 ft
Luminous Height	0.00 ft



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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2784	3154	3510
55	2445	2891	3298
65	2052	2562	2904
75	1616	2080	2353
85	1023	1235	1376

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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>	1096	1096	1096	1096	1096
<b>2.5</b>	1099	1093	1093	1091	1091
<b>5.0</b>	1093	1087	1086	1088	1090
<b>7.5</b>	1082	1077	1079	1086	1087
<b>10.0</b>	1070	1068	1071	1076	1082
<b>12.5</b>	1056	1054	1060	1068	1077
<b>15.0</b>	1039	1038	1048	1059	1069
<b>17.5</b>	1017	1021	1034	1048	1060
<b>20.0</b>	997	1000	1017	1035	1051
<b>22.5</b>	971	977	1000	1022	1038
<b>25.0</b>	945	952	978	1004	1025
<b>27.5</b>	915	923	955	987	1010
<b>30.0</b>	882	894	932	967	991
<b>32.5</b>	847	863	902	942	969
<b>35.0</b>	811	827	874	917	944
<b>37.5</b>	771	790	840	890	916
<b>40.0</b>	731	751	805	855	885
<b>42.5</b>	689	711	765	818	848
<b>45.0</b>	640	667	725	776	807
<b>47.5</b>	596	623	681	738	766
<b>50.0</b>	551	578	636	693	721
<b>52.5</b>	506	534	590	644	670
<b>55.0</b>	456	488	539	589	615
<b>57.5</b>	415	439	491	540	567
<b>60.0</b>	364	394	445	484	514
<b>62.5</b>	319	347	396	437	458
<b>65.0</b>	282	303	352	381	399
<b>67.5</b>	241	261	304	334	350
<b>70.0</b>	203	224	258	282	300
<b>72.5</b>	170	184	215	231	248
<b>75.0</b>	136	150	175	183	198
<b>77.5</b>	106	117	135	139	140
<b>80.0</b>	79	85	97	97	100
<b>82.5</b>	53	59	61	63	66
<b>85.0</b>	29	33	35	35	39
<b>87.5</b>	14	17	16	15	17
<b>90.0</b>	8	10	9	9	10

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	399.78	N.A.	13.30
0-30	851.41	N.A.	28.40
0-40	1397.5	N.A.	46.60
0-60	2436.88	N.A.	81.20
0-80	2957.88	N.A.	98.50
0-90	3001.8	N.A.	100.00
10-90	2898.4	N.A.	96.60
20-40	997.73	N.A.	33.20
20-50	1555.38	N.A.	51.80
40-70	1381.16	N.A.	46.00
60-80	521.00	N.A.	17.40
70-80	179.22	N.A.	6.00
80-90	43.92	N.A.	1.50
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	3001.8	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.40
10-20	296.38
20-30	451.64
30-40	546.09
40-50	557.65
50-60	481.72
60-70	341.78
70-80	179.22
80-90	43.92
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

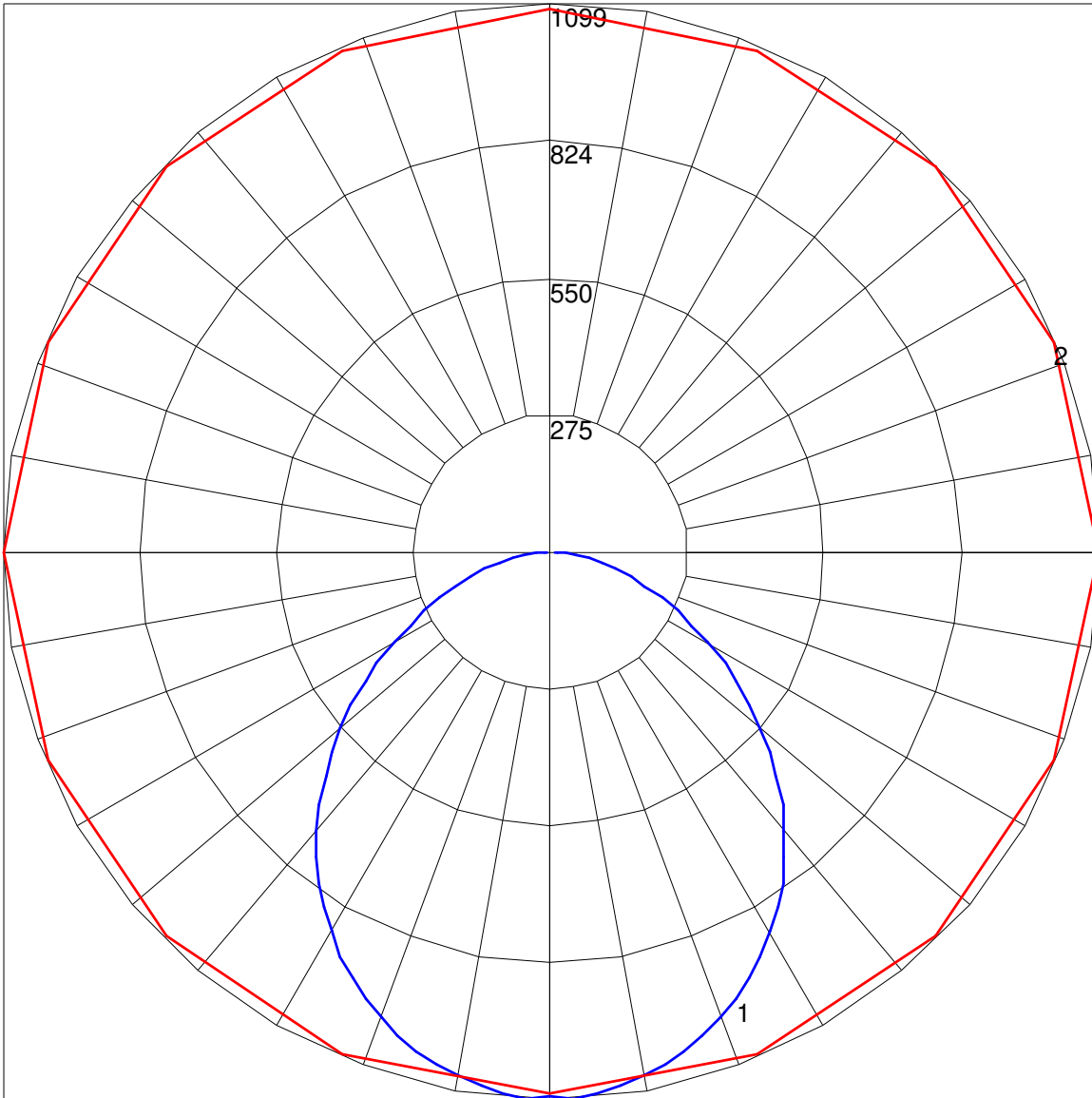
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	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	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	58	49	42	69	57	48	42	55	47	42	53	46	41	52	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	36	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 = 1099 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)