

Day-Brite

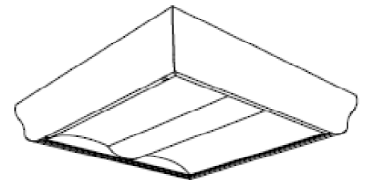
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 29984D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29984
[TESTDATE] 11/10/2011
[LUMCAT] 2SST34L840-2-PMW
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SURFACE 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
[ISSUE DATE] 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>
0.0	1096	1096	1096	1096	1096
2.5	1099	1093	1093	1091	1091
5.0	1093	1087	1086	1088	1090
7.5	1082	1077	1079	1086	1087
10.0	1070	1068	1071	1076	1082
12.5	1056	1054	1060	1068	1077
15.0	1039	1038	1048	1059	1069
17.5	1017	1021	1034	1048	1060
20.0	997	1000	1017	1035	1051
22.5	971	977	1000	1022	1038
25.0	945	952	978	1004	1025
27.5	915	923	955	987	1010
30.0	882	894	932	967	991
32.5	847	863	902	942	969
35.0	811	827	874	917	944
37.5	771	790	840	890	916
40.0	731	751	805	855	885
42.5	689	711	765	818	848
45.0	640	667	725	776	807
47.5	596	623	681	738	766
50.0	551	578	636	693	721
52.5	506	534	590	644	670
55.0	456	488	539	589	615
57.5	415	439	491	540	567
60.0	364	394	445	484	514
62.5	319	347	396	437	458
65.0	282	303	352	381	399
67.5	241	261	304	334	350
70.0	203	224	258	282	300
72.5	170	184	215	231	248
75.0	136	150	175	183	198
77.5	106	117	135	139	140
80.0	79	85	97	97	100
82.5	53	59	61	63	66
85.0	29	33	35	35	39
87.5	14	17	16	15	17
90.0	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

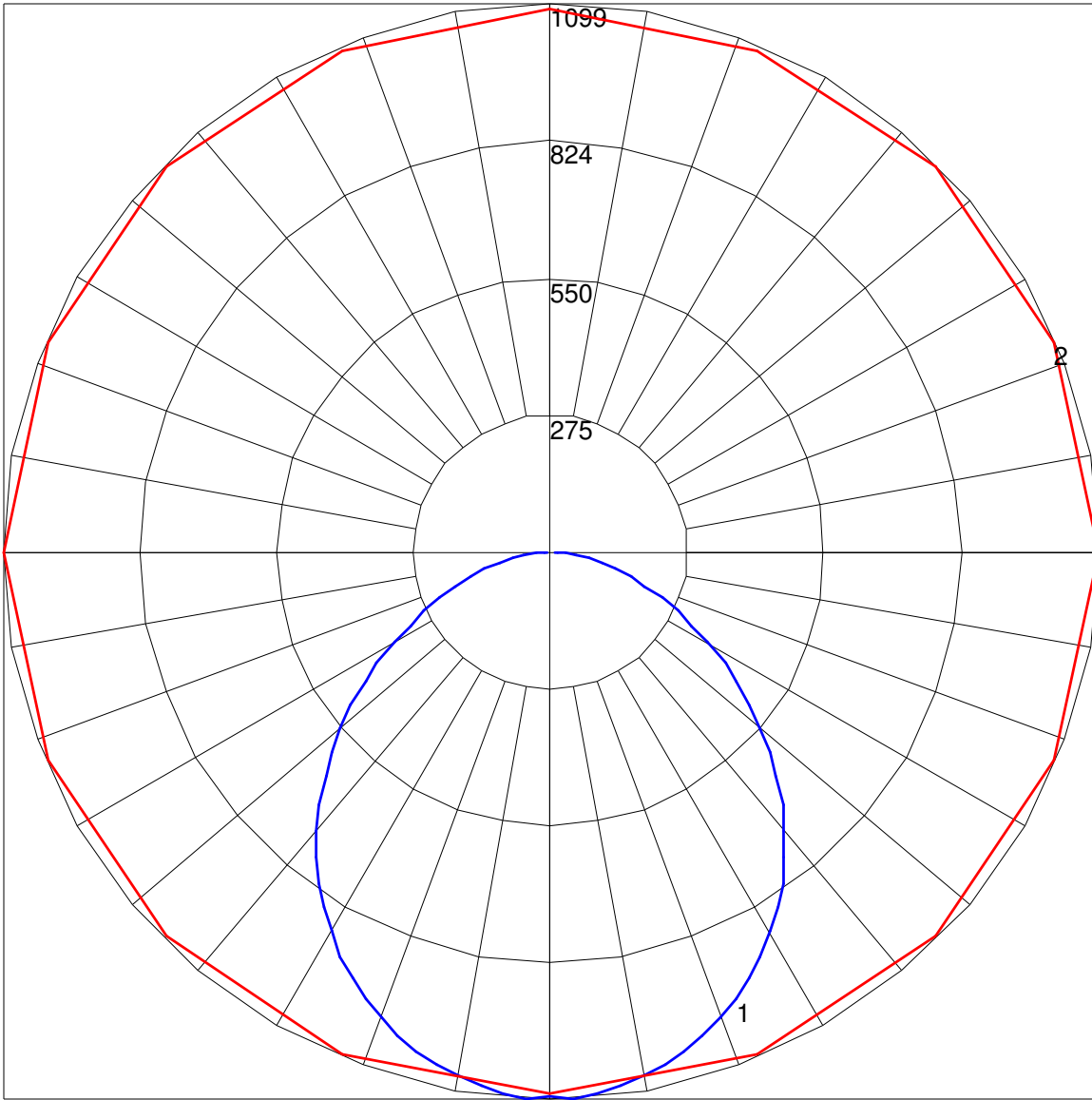
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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.)