

PHILIPS

Day-Brite

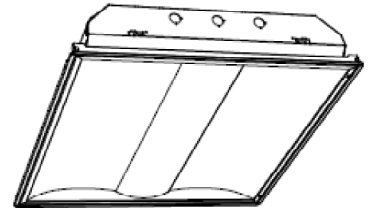
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27157.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27157
[DATE] 12/12/2007
[LUMCAT] 2STG2CF40-D-1/2-EB
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE W/DIFFUSE DIFFUSER
[LAMP] F40BX
[BALLAST] TRIAD C240PUNVHP-B
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 12/13/2007
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER] Reflection factor 0.92, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	3150 (2 lamps)
Total Lamp Lumens	6300
Luminaire Lumens	4963
Total Luminaire Efficiency	79 %
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	70
Ballast Factor	0.95
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.83 ft
Luminous Width (90-270)	1.83 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	4661	5430	6100
55	4240	5232	6119
65	3642	4777	5777
75	2905	4253	5365
85	1982	2350	2496

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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	1633	1633	1633	1633	1633
2.5	1621	1627	1632	1637	1640
5.0	1614	1623	1625	1632	1638
7.5	1604	1614	1618	1627	1635
10.0	1594	1601	1611	1620	1632
12.5	1577	1586	1599	1614	1626
15.0	1554	1568	1585	1604	1620
17.5	1534	1548	1571	1595	1609
20.0	1506	1521	1551	1584	1603
22.5	1472	1491	1529	1569	1590
25.0	1440	1461	1506	1553	1581
27.5	1405	1421	1481	1534	1568
30.0	1359	1387	1450	1516	1549
32.5	1311	1344	1416	1489	1527
35.0	1263	1298	1383	1463	1501
37.5	1210	1249	1338	1428	1473
40.0	1155	1194	1296	1392	1436
42.5	1091	1133	1246	1347	1392
45.0	1030	1077	1200	1302	1348
47.5	968	1013	1141	1249	1294
50.0	901	948	1079	1187	1235
52.5	831	881	1010	1118	1168
55.0	760	809	938	1049	1097
57.5	687	740	865	971	1017
60.0	617	666	789	889	937
62.5	547	596	710	809	848
65.0	481	521	631	725	763
67.5	416	454	553	641	688
70.0	347	389	479	568	607
72.5	289	323	403	489	525
75.0	235	265	344	406	434
77.5	183	208	278	311	319
80.0	136	157	204	208	212
82.5	94	107	125	126	132
85.0	54	59	64	67	68
87.5	22	22	21	21	20
90.0	3	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1298.5	20.60	26.20
0-40	2162.03	34.30	43.60
0-60	3910.21	62.10	78.80
0-90	4963.18	78.80	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	4963.18	78.80	100.00

Total Luminaire Efficiency = 78.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.78
10-20	448.42
20-30	695.31
30-40	863.54
40-50	917.28
50-60	830.89
60-70	620.23
70-80	352.45
80-90	80.28
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

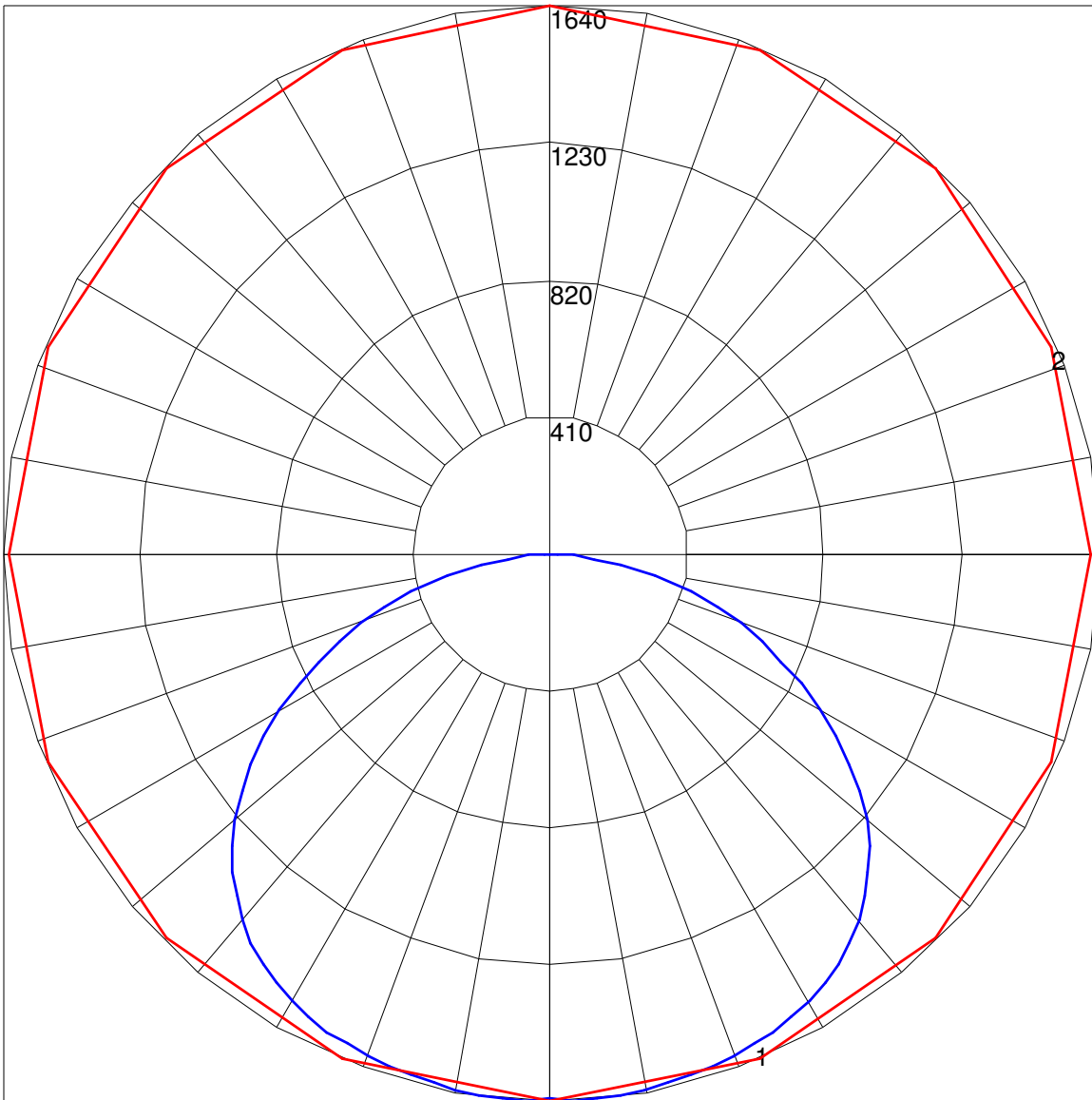
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	94	94	94	92	92	92	92	88	88	88	84	84	84	80	80	80	79
1	86	82	78	75	83	80	77	74	77	74	72	74	72	70	71	69	68	66
2	78	71	66	61	76	70	65	60	67	63	59	64	61	58	62	59	56	55
3	71	62	56	51	69	61	55	50	59	54	49	57	52	48	55	51	48	46
4	65	55	48	43	63	54	47	42	52	46	42	50	45	41	48	44	41	39
5	59	49	42	37	58	48	41	36	47	41	36	45	40	36	43	39	35	34
6	55	44	37	32	53	43	37	32	42	36	31	41	35	31	39	35	31	29
7	51	40	33	28	49	39	33	28	38	32	28	37	32	28	36	31	27	26
8	47	36	30	25	46	36	29	25	35	29	25	34	28	25	33	28	24	23
9	44	33	27	22	43	33	27	22	32	26	22	31	26	22	30	25	22	20
10	41	31	24	20	40	30	24	20	30	24	20	29	24	20	28	23	20	18

POLAR GRAPH



Maximum Candela = 1640 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)