PHILIPS PHILIPS

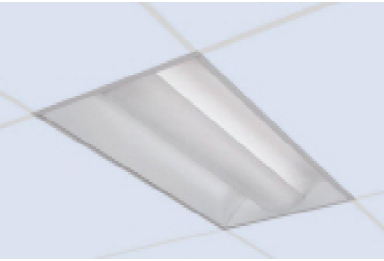
Day-Brite CFI

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CFS2GHP2FT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[ISSUEDATE]10-31-2008
[TEST]G2008288
[MANUFAC]PHILIPS DAY-BRITE - PHILIPS CFI
[LUMCAT]CFS2GHP2FT
[LAMP](2) PL-L40W/835/4P/RS/IS PLPS
[LUMINAIRE]PHILIPS COFFAIRE HP
[MORE]2X2 WITH 95% REFLECTIVE WHITE REFLCTORS AND
[MORE]BASKET & HP90 MIRO 4 BALLAST COVER AND TRANSOPTIX OVERLAY.
[BALLAST]ADVANCE ICN-2TTP40-SC
[MORE]67.6WATTS,0.88BF
[TESTLAB] LOL

CHARACTERISTICS



Lumens Per Lamp	3300 (2 lamps)
Total Lamp Lumens	6600
Luminaire Lumens	4717
Total Luminaire Efficiency	71 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	67.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.91 ft
Luminous Width (90-270)	1.91 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4015	4627	5211
55	3623	4651	5499
65	3090	4604	5357
75	2506	3633	4009
85	1590	1996	2131

Photometric Toolbox Professional Edition - Copyright 2002-2012 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CFS2GHP2FT.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	1586	1586	1586	1586	1586
2.5	1589	1585	1583	1584	1583
5.0	1582	1579	1577	1580	1580
7.5	1569	1568	1569	1574	1574
10.0	1553	1553	1558	1565	1566
12.5	1533	1534	1543	1554	1556
15.0	1509	1512	1525	1541	1544
17.5	1482	1486	1505	1524	1531
20.0	1451	1457	1481	1506	1515
22.5	1415	1425	1455	1485	1497
25.0	1377	1389	1426	1463	1478
27.5	1335	1351	1394	1440	1456
30.0	1291	1309	1360	1413	1434
32.5	1243	1265	1324	1385	1409
35.0	1192	1217	1285	1354	1382
37.5	1139	1167	1245	1322	1352
40.0	1082	1116	1202	1288	1321
42.5	1024	1061	1157	1250	1287
45.0	963	1005	1110	1211	1250
47.5	900	946	1062	1169	1211
50.0	836	889	1012	1125	1170
52.5	771	829	959	1078	1123
55.0	705	770	905	1026	1070
57.5	637	710	850	968	1009
60.0	571	648	792	900	938
62.5	505	588	730	825	858
65.0	443	525	660	741	768
67.5	384	462	585	647	666
70.0	328	397	503	539	547
72.5	274	333	416	421	445
75.0	220	268	319	342	352
77.5	171	203	234	257	264
80.0	124	142	169	181	185
82.5	81	91	109	116	120
85.0	47	51	59	62	63
87.5	19	19	21	22	21
90.0	6	6	6	7	5

Photometric Toolbox Professional Edition - Copyright 2002-2012 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CFS2GHP2FT.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	580.97	8.80	12.30
0-30	1238.71	18.80	26.30
0-40	2043.54	31.00	43.30
0-60	3699.18	56.00	78.40
0-80	4645.35	70.40	98.50
0-90	4717.49	71.50	100.00
10-90	4567.39	69.20	96.80
20-40	1462.57	22.20	31.00
20-50	2317.57	35.10	49.10
40-70	2277.87	34.50	48.30
60-80	946.17	14.30	20.10
70-80	323.95	4.90	6.90
80-90	72.14	1.10	1.50
90-110	0.00	0.00	0.00
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
110-180	0.00	0.00	0.00
0-180	4717.49	71.50	100.00

Total Luminaire Efficiency = 71.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	150.10
10-20	430.87
20-30	657.74
30-40	804.83
40-50	855.00
50-60	800.64
60-70	622.22
70-80	323.95
80-90	72.14
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

Photometric Toolbox Professional Edition - Copyright 2002-2012 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CFS2GHP2FT.IES

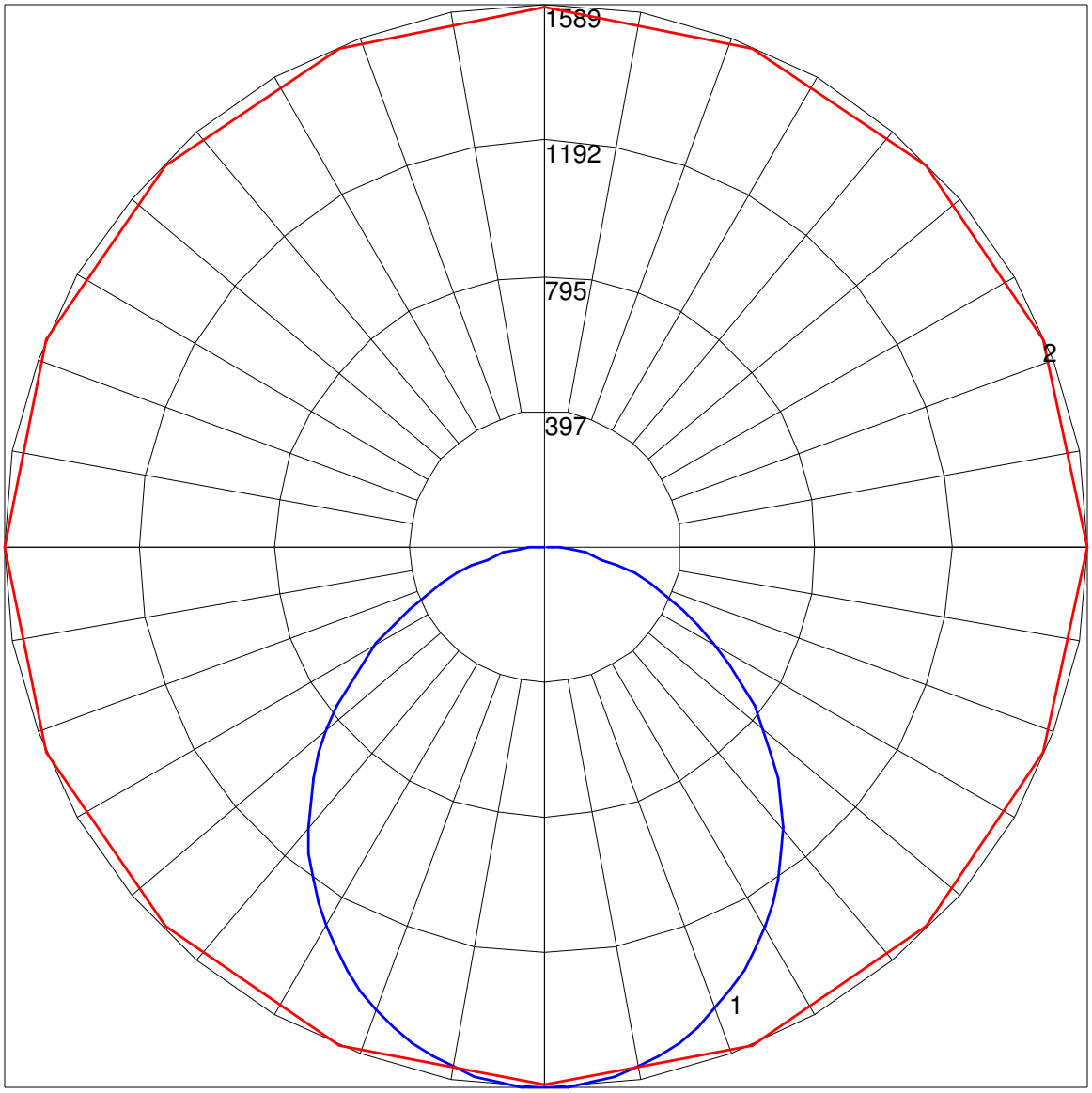
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	85	85	85	83	83	83	83	79	79	79	76	76	76	73	73	73	71
1	78	74	71	68	76	73	70	67	70	67	65	67	65	63	64	63	61	60
2	71	65	60	55	69	63	59	55	61	57	54	58	55	52	56	53	51	50
3	64	57	51	46	62	55	50	45	53	49	45	51	47	44	49	46	43	42
4	59	50	44	39	57	49	43	38	47	42	38	45	41	37	44	40	37	35
5	54	44	38	33	52	44	38	33	42	37	33	41	36	32	39	35	32	30
6	50	40	33	29	48	39	33	29	38	33	28	37	32	28	36	31	28	26
7	46	36	30	25	45	36	30	25	34	29	25	33	29	25	32	28	25	23
8	43	33	27	23	42	32	27	22	32	26	22	31	26	22	30	25	22	21
9	40	30	24	20	39	30	24	20	29	24	20	28	23	20	27	23	20	19
10	37	28	22	18	36	27	22	18	27	22	18	26	21	18	25	21	18	17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CFS2GHP2FT.IES

POLAR GRAPH



Maximum Candela = 1589 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.)