

PHILIPS**PHILIPS****Day-Brite****CFI****IES INDOOR REPORT****PHOTOMETRIC FILENAME : APX24LL40-UNV-N-LCP.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] FO33714.PSO

[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY

[ISSUEDATE] 10/27/14

[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI

[LUMCAT] APX24LL40-UNV-N-LCP

[LUMINAIRE] PHILIPS APX 4-2LP 1.0.1 4000K 2-95W DRIVERS NO RESISTORS NARROW OPTICS DP LENS

[LAMP] LED. LUMINAIRE OUTPUT = 22211 LMS

[TESTDATE] 10/27/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22211
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	190.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.29 ft
Luminous Width (90-270)	1.17 ft
Luminous Height	0.50 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2996	1594	1515
55	2870	1181	1091
65	1768	857	1041
75	1763	808	794
85	806	766	1175

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CANDELA TABULATION

[illegible]

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CANDELA TABULATION - (Cont.)

82.5	153.720	213.090	259.940	213.090	153.720	126.730	109.860
85.0	168.100	227.010	281.290	227.010	168.100	121.700	76.500
87.5	194.620	227.720	262.550	227.720	194.620	117.260	53.320
90.0	179.440	182.580	196.650	182.580	179.440	104.440	35.830
92.5	124.980	121.130	129.180	121.130	124.980	100.900	29.000
95.0	59.330	64.470	75.440	64.470	59.330	81.340	32.890
97.5	24.420	27.250	32.020	27.250	24.420	36.090	36.720
100.0	16.960	20.000	21.950	20.000	16.960	19.320	36.400
102.5	15.240	17.310	18.820	17.310	15.240	17.600	33.320
105.0	13.830	16.050	17.190	16.050	13.830	17.240	29.060
107.5	12.500	14.660	15.560	14.660	12.500	16.510	24.060
110.0	11.380	13.140	14.130	13.140	11.380	15.070	19.590
112.5	10.800	11.690	12.730	11.690	10.800	13.610	16.120
115.0	10.330	10.410	11.430	10.410	10.330	12.850	13.960
117.5	9.580	9.760	10.740	9.760	9.580	13.580	12.030
120.0	9.360	9.310	9.830	9.310	9.360	13.860	10.760
122.5	10.600	9.080	9.480	9.080	10.600	11.510	9.390
125.0	14.090	9.170	9.430	9.170	14.090	9.490	8.370
127.5	18.950	11.660	10.890	11.660	18.950	8.190	8.280
130.0	18.330	17.250	16.920	17.250	18.330	7.650	7.870
132.5	14.330	22.920	23.910	22.920	14.330	7.760	8.010
135.0	11.960	22.520	24.280	22.520	11.960	8.030	8.100
137.5	10.800	18.280	25.500	18.280	10.800	8.450	8.270
140.0	10.520	14.770	18.360	14.770	10.520	8.710	8.770
142.5	10.620	13.340	14.890	13.340	10.620	9.260	8.910
145.0	10.500	12.720	13.390	12.720	10.500	10.030	9.720
147.5	10.990	12.300	12.830	12.300	10.990	10.600	10.090
150.0	11.290	12.410	12.600	12.410	11.290	11.070	10.660
152.5	11.650	12.370	12.430	12.370	11.650	11.310	11.230
155.0	12.360	12.700	13.080	12.700	12.360	12.040	11.950
157.5	12.820	12.950	13.590	12.950	12.820	13.160	12.620
160.0	13.490	13.670	14.070	13.670	13.490	13.240	13.710
162.5	14.230	14.540	14.770	14.540	14.230	14.210	14.330
165.0	14.730	15.060	15.160	15.060	14.730	14.830	14.880
167.5	15.010	15.520	15.580	15.520	15.010	15.220	14.920
170.0	15.320	16.230	15.940	16.230	15.320	15.450	15.450
172.5	16.090	16.710	16.780	16.710	16.090	16.180	15.920
175.0	16.780	17.130	17.320	17.130	16.780	17.060	16.640
177.5	16.640	17.500	17.520	17.500	16.640	17.380	17.220
180.0	17.300	17.300	17.300	17.300	17.300	17.300	17.300

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	8810.22	N.A.	39.70
0-30	16360.15	N.A.	73.70
0-40	20089.2	N.A.	90.40
0-60	21270.56	N.A.	95.80
0-80	21877.89	N.A.	98.50
0-90	22063.15	N.A.	99.30
10-90	19656.88	N.A.	88.50
20-40	11278.97	N.A.	50.80
20-50	11977.00	N.A.	53.90
40-70	1539.94	N.A.	6.90
60-80	607.34	N.A.	2.70
70-80	248.76	N.A.	1.10
80-90	185.25	N.A.	0.80
90-110	96.62	N.A.	0.40
90-120	108.47	N.A.	0.50
90-130	118.53	N.A.	0.50
90-150	136.64	N.A.	0.60
90-180	148.11	N.A.	0.70
110-180	51.49	N.A.	0.20
0-180	22211.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2406.26
10-20	6403.96
20-30	7549.93
30-40	3729.05
40-50	698.02
50-60	483.34
60-70	358.58
70-80	248.76
80-90	185.25
90-100	78.02
100-110	18.60
110-120	11.85
120-130	10.06
130-140	10.95
140-150	7.16
150-160	5.73
160-170	4.16
170-180	1.57

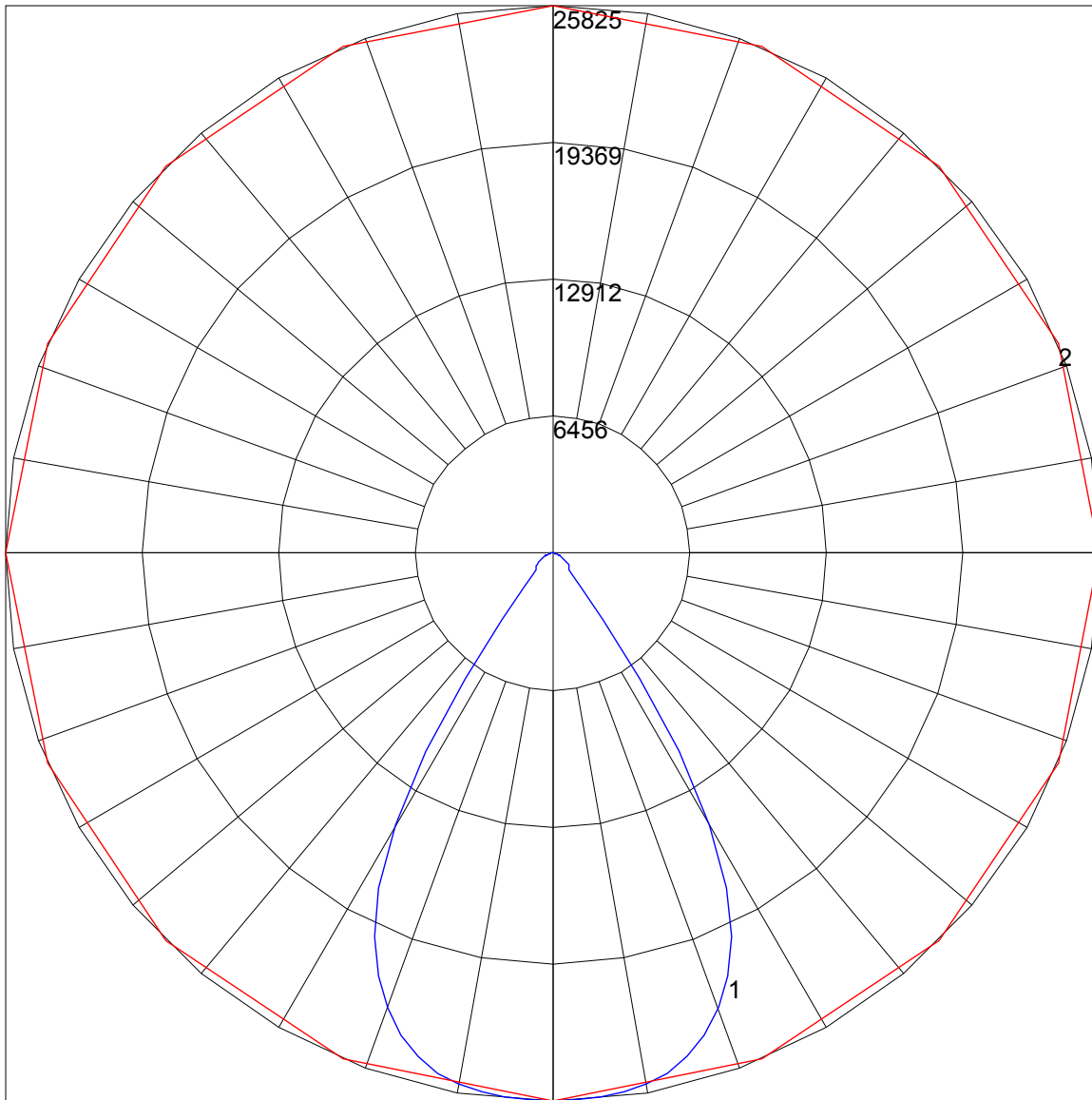
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	99
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	102	95	90	86	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	74	68	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	75	66	60	56	74	65	60	56	64	59	56	63	59	55	62	58	55	54
10	72	62	57	53	71	62	56	53	61	56	52	60	56	52	59	55	52	51

POLAR GRAPH



Maximum Candela = 25824.83 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)