

PHILIPS**PHILIPS****Day-Brite****CFI****IES INDOOR REPORT****PHOTOMETRIC FILENAME : APX08LL40-UNV.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] FO33946.PSO

[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY

[ISSUEDATE] 12/17/14

[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI

[LUMCAT] APX08LL40-UNV

[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER NO OPTICS 10.5K RESISTOR DIRA LENS

[LAMP] LED. LUMINAIRE OUTPUT = 9823 LMS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9823
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	75.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.29 ft
Luminous Width (90-270)	1.27 ft
Luminous Height	0.50 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5789	4811	4998
55	5297	4320	2329
65	4383	1781	3192
75	2868	2373	2066
85	1157	1145	1491

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	3270.24	3270.24	3270.24	3270.24	3270.24	3270.24	3270.24	3270.24	3270.24	3270.24
2.5	3263.47	3262.72	3268.08	3265.59	3266.07	3265.59	3268.08	3262.72	3263.47	3262.72
5.0	3259.04	3253.42	3261.35	3267.32	3261.79	3267.32	3261.35	3253.42	3259.04	3253.42
7.5	3246.24	3241.23	3256.54	3262.63	3256.16	3262.63	3256.54	3241.23	3246.24	3241.23
10.0	3228.56	3226.39	3236.99	3250.05	3243.64	3250.05	3236.99	3226.39	3228.56	3226.39
12.5	3200.57	3204.46	3218.26	3222.36	3235.38	3222.36	3218.26	3204.46	3200.57	3204.46
15.0	3170.53	3179.78	3191.97	3198.37	3204.25	3198.37	3191.97	3179.78	3170.53	3179.78
17.5	3133.51	3148.33	3155.55	3162.14	3164.46	3162.14	3155.55	3148.33	3133.51	3148.33
20.0	3095.37	3107.72	3115.12	3115.46	3120.49	3115.46	3115.12	3107.72	3095.37	3107.72
22.5	3043.75	3054.03	3065.58	3063.68	3063.37	3063.68	3065.58	3054.03	3043.75	3054.03
25.0	2987.88	3002.99	3013.27	3003.35	3003.25	3003.35	3013.27	3002.99	2987.88	3002.99
27.5	2926.17	2943.85	2946.74	2941.39	2936.24	2941.39	2946.74	2943.85	2926.17	2943.85
30.0	2859.36	2875.45	2875.37	2874.28	2872.43	2874.28	2875.37	2875.45	2859.36	2875.45
32.5	2788.76	2805.83	2804.04	2799.49	2803.79	2799.49	2804.04	2805.83	2788.76	2805.83
35.0	2706.91	2729.41	2726.85	2721.89	2723.61	2721.89	2726.85	2729.41	2706.91	2729.41
37.5	2612.46	2637.60	2641.24	2638.11	2644.11	2638.11	2641.24	2637.60	2612.46	2637.60
40.0	2525.63	2538.40	2549.91	2542.50	2546.89	2542.50	2549.91	2538.40	2525.63	2538.40
42.5	2429.96	2439.84	2453.20	2449.42	2441.03	2449.42	2453.20	2439.84	2429.96	2439.84
45.0	2315.72	2327.21	2345.32	2342.03	2495.26	2342.03	2345.32	2327.21	2315.72	2327.21
47.5	2200.80	2211.21	2229.21	2380.05	2336.39	2380.05	2229.21	2211.21	2200.80	2229.21
50.0	2069.35	2083.46	2111.08	2207.76	2155.04	2207.76	2111.08	2083.46	2069.35	2083.46
52.5	1938.61	1951.46	2039.87	2014.01	1863.32	2014.01	2039.87	1951.46	1938.61	1951.46
55.0	1795.64	1810.46	1902.42	1648.88	1057.40	1648.88	1902.42	1810.46	1795.64	1810.46
57.5	1648.53	1668.71	1749.33	927.84	939.88	927.84	1749.33	1668.71	1648.53	1668.71
60.0	1497.61	1525.97	1574.18	872.34	1067.07	872.34	1574.18	1525.97	1497.61	1525.97
62.5	1341.30	1366.78	1143.03	1000.55	1590.03	1000.55	1143.03	1366.78	1341.30	1366.78
65.0	1173.11	1236.21	676.36	1465.70	1260.61	1465.70	676.36	1236.21	1173.11	1236.21
67.5	1011.49	1063.64	624.66	1170.77	1224.10	1170.77	624.66	1063.64	1011.49	1063.64
70.0	847.55	891.34	668.75	1075.03	943.16	1075.03	668.75	891.34	847.55	891.34
72.5	690.79	740.24	1038.13	918.04	886.04	918.04	1038.13	740.24	690.79	740.24
75.0	539.71	464.00	730.05	735.28	668.90	735.28	730.05	464.00	539.71	464.00
77.5	401.55	288.07	590.73	449.85	480.74	449.85	590.73	288.07	401.55	288.07
80.0	286.41	218.43	373.82	389.86	474.23	389.86	373.82	218.43	286.41	218.43
82.5	190.94	169.63	315.89	435.06	466.60	435.06	315.89	169.63	190.94	169.63
85.0	119.15	166.99	259.17	318.58	362.03	318.58	259.17	166.99	119.15	166.99
87.5	72.23	149.26	224.98	220.94	236.43	220.94	224.98	149.26	72.23	149.26
90.0	33.89	93.30	130.77	86.79	87.04	86.79	130.77	93.30	33.89	93.30
92.5	28.25	73.74	50.15	47.38	54.38	47.38	50.15	73.74	28.25	73.74
95.0	40.09	37.55	35.63	48.89	50.26	48.89	35.63	37.55	40.09	37.55
97.5	62.09	28.28	39.23	45.03	47.27	45.03	39.23	28.28	62.09	28.28
100.0	64.27	26.65	38.29	44.05	45.54	44.05	38.29	26.65	64.27	26.65
102.5	60.95	25.56	26.41	28.97	30.24	28.97	26.41	25.56	60.95	25.56
105.0	54.20	28.68	24.65	25.98	26.76	25.98	24.65	28.68	54.20	28.68
107.5	46.28	33.07	23.18	25.25	26.63	25.25	23.18	33.07	46.28	33.07
110.0	38.83	31.76	21.82	23.78	24.24	23.78	21.82	31.76	38.83	31.76
112.5	32.28	28.43	20.88	21.94	23.47	21.94	20.88	28.43	32.28	28.43
115.0	26.79	24.19	20.51	20.66	21.68	20.66	20.51	24.19	26.79	24.19
117.5	22.43	21.34	20.05	19.28	20.65	19.28	20.05	21.34	22.43	21.34
120.0	18.91	22.59	17.53	17.37	19.20	17.37	17.53	22.59	18.91	22.59
122.5	15.68	19.30	15.98	15.37	16.57	15.37	15.98	19.30	15.68	19.30
125.0	12.98	13.80	16.64	13.35	14.38	13.35	16.64	13.80	12.98	13.80
127.5	10.65	11.17	28.37	12.41	12.94	12.41	28.37	11.17	10.65	11.17
130.0	8.75	8.77	49.90	13.34	12.45	13.34	49.90	8.77	8.75	8.77
132.5	7.12	7.05	12.90	24.35	15.29	24.35	12.90	7.05	7.12	7.05

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV.IES

CANDELA TABULATION - (Cont.)

135.0	5.64	5.58	9.11	72.05	57.72	72.05	9.11	5.58	5.64	5.58
137.5	4.40	4.36	6.60	13.40	51.04	13.40	6.60	4.36	4.40	4.36
140.0	3.31	3.28	4.40	9.41	11.88	9.41	4.40	3.28	3.31	3.28
142.5	2.41	2.37	2.88	6.88	8.76	6.88	2.88	2.37	2.41	2.37
145.0	1.72	1.64	1.71	4.94	6.12	4.94	1.71	1.64	1.72	1.64
147.5	1.13	1.05	0.89	3.63	4.59	3.63	0.89	1.05	1.13	1.05
150.0	0.69	0.56	0.24	2.57	3.43	2.57	0.24	0.56	0.69	0.56
152.5	0.29	0.19	0.21	1.60	2.36	1.60	0.21	0.19	0.29	0.19
155.0	0.00	0.09	0.21	0.69	1.40	0.69	0.21	0.09	0.00	0.09
157.5	0.00	0.09	0.19	0.26	0.66	0.26	0.19	0.09	0.00	0.09
160.0	0.02	0.10	0.16	0.24	0.29	0.24	0.16	0.10	0.02	0.10
162.5	0.04	0.11	0.15	0.16	0.21	0.16	0.15	0.11	0.04	0.11
165.0	0.06	0.10	0.10	0.14	0.13	0.14	0.10	0.10	0.06	0.10
167.5	0.00	0.03	0.05	0.12	0.10	0.12	0.05	0.03	0.00	0.03
170.0	0.01	0.01	0.04	0.11	0.10	0.11	0.04	0.01	0.01	0.01
172.5	0.10	0.08	0.09	0.14	0.13	0.14	0.09	0.08	0.10	0.08
175.0	0.17	0.16	0.14	0.15	0.14	0.15	0.14	0.16	0.17	0.16
177.5	0.23	0.21	0.12	0.16	0.17	0.16	0.12	0.21	0.23	0.21
180.0	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	3270.24	3270.24	3270.24	3270.24	3270.24	3270.24	3270.24
2.5	3268.08	3265.59	3266.07	3265.59	3268.08	3262.72	3263.47
5.0	3261.35	3267.32	3261.79	3267.32	3261.35	3253.42	3259.04
7.5	3256.54	3262.63	3256.16	3262.63	3256.54	3241.23	3246.24
10.0	3236.99	3250.05	3243.64	3250.05	3236.99	3226.39	3228.56
12.5	3218.26	3222.36	3235.38	3222.36	3218.26	3204.46	3200.57
15.0	3191.97	3198.37	3204.25	3198.37	3191.97	3179.78	3170.53
17.5	3155.55	3162.14	3164.46	3162.14	3155.55	3148.33	3133.51
20.0	3115.12	3115.46	3120.49	3115.46	3115.12	3107.72	3095.37
22.5	3065.58	3063.68	3063.37	3063.68	3065.58	3054.03	3043.75
25.0	3013.27	3003.35	3003.25	3003.35	3013.27	3002.99	2987.88
27.5	2946.74	2941.39	2936.24	2941.39	2946.74	2943.85	2926.17
30.0	2875.37	2874.28	2872.43	2874.28	2875.37	2875.45	2859.36
32.5	2804.04	2799.49	2803.79	2799.49	2804.04	2805.83	2788.76
35.0	2726.85	2721.89	2723.61	2721.89	2726.85	2729.41	2706.91
37.5	2641.24	2638.11	2644.11	2638.11	2641.24	2637.60	2612.46
40.0	2549.91	2542.50	2546.89	2542.50	2549.91	2538.40	2525.63
42.5	2453.20	2449.42	2441.03	2449.42	2453.20	2439.84	2429.96
45.0	2345.32	2342.03	2495.26	2342.03	2345.32	2327.21	2315.72
47.5	2229.21	2380.05	2336.39	2380.05	2229.21	2211.21	2200.80
50.0	2111.08	2207.76	2155.04	2207.76	2111.08	2083.46	2069.35
52.5	2039.87	2014.01	1863.32	2014.01	2039.87	1951.46	1938.61
55.0	1902.42	1648.88	1057.40	1648.88	1902.42	1810.46	1795.64
57.5	1749.33	927.84	939.88	927.84	1749.33	1668.71	1648.53
60.0	1574.18	872.34	1067.07	872.34	1574.18	1525.97	1497.61
62.5	1143.03	1000.55	1590.03	1000.55	1143.03	1366.78	1341.30
65.0	676.36	1465.70	1260.61	1465.70	676.36	1236.21	1173.11
67.5	624.66	1170.77	1224.10	1170.77	624.66	1063.64	1011.49
70.0	668.75	1075.03	943.16	1075.03	668.75	891.34	847.55
72.5	1038.13	918.04	886.04	918.04	1038.13	740.24	690.79
75.0	730.05	735.28	668.90	735.28	730.05	464.00	539.71
77.5	590.73	449.85	480.74	449.85	590.73	288.07	401.55
80.0	373.82	389.86	474.23	389.86	373.82	218.43	286.41

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV.IES

CANDELA TABULATION - (Cont.)

82.5	315.89	435.06	466.60	435.06	315.89	169.63	190.94
85.0	259.17	318.58	362.03	318.58	259.17	166.99	119.15
87.5	224.98	220.94	236.43	220.94	224.98	149.26	72.23
90.0	130.77	86.79	87.04	86.79	130.77	93.30	33.89
92.5	50.15	47.38	54.38	47.38	50.15	73.74	28.25
95.0	35.63	48.89	50.26	48.89	35.63	37.55	40.09
97.5	39.23	45.03	47.27	45.03	39.23	28.28	62.09
100.0	38.29	44.05	45.54	44.05	38.29	26.65	64.27
102.5	26.41	28.97	30.24	28.97	26.41	25.56	60.95
105.0	24.65	25.98	26.76	25.98	24.65	28.68	54.20
107.5	23.18	25.25	26.63	25.25	23.18	33.07	46.28
110.0	21.82	23.78	24.24	23.78	21.82	31.76	38.83
112.5	20.88	21.94	23.47	21.94	20.88	28.43	32.28
115.0	20.51	20.66	21.68	20.66	20.51	24.19	26.79
117.5	20.05	19.28	20.65	19.28	20.05	21.34	22.43
120.0	17.53	17.37	19.20	17.37	17.53	22.59	18.91
122.5	15.98	15.37	16.57	15.37	15.98	19.30	15.68
125.0	16.64	13.35	14.38	13.35	16.64	13.80	12.98
127.5	28.37	12.41	12.94	12.41	28.37	11.17	10.65
130.0	49.90	13.34	12.45	13.34	49.90	8.77	8.75
132.5	12.90	24.35	15.29	24.35	12.90	7.05	7.12
135.0	9.11	72.05	57.72	72.05	9.11	5.58	5.64
137.5	6.60	13.40	51.04	13.40	6.60	4.36	4.40
140.0	4.40	9.41	11.88	9.41	4.40	3.28	3.31
142.5	2.88	6.88	8.76	6.88	2.88	2.37	2.41
145.0	1.71	4.94	6.12	4.94	1.71	1.64	1.72
147.5	0.89	3.63	4.59	3.63	0.89	1.05	1.13
150.0	0.24	2.57	3.43	2.57	0.24	0.56	0.69
152.5	0.21	1.60	2.36	1.60	0.21	0.19	0.29
155.0	0.21	0.69	1.40	0.69	0.21	0.09	0.00
157.5	0.19	0.26	0.66	0.26	0.19	0.09	0.00
160.0	0.16	0.24	0.29	0.24	0.16	0.10	0.02
162.5	0.15	0.16	0.21	0.16	0.15	0.11	0.04
165.0	0.10	0.14	0.13	0.14	0.10	0.10	0.06
167.5	0.05	0.12	0.10	0.12	0.05	0.03	0.00
170.0	0.04	0.11	0.10	0.11	0.04	0.01	0.01
172.5	0.09	0.14	0.13	0.14	0.09	0.08	0.10
175.0	0.14	0.15	0.14	0.15	0.14	0.16	0.17
177.5	0.12	0.16	0.17	0.16	0.12	0.21	0.23
180.0	0.17	0.17	0.17	0.17	0.17	0.17	0.17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1211.14	N.A.	12.30
0-30	2596.04	N.A.	26.40
0-40	4298.86	N.A.	43.80
0-60	7634.26	N.A.	77.70
0-80	9418.53	N.A.	95.90
0-90	9680.82	N.A.	98.50
10-90	9370.25	N.A.	95.40
20-40	3087.73	N.A.	31.40
20-50	4904.95	N.A.	49.90
40-70	4445.53	N.A.	45.30
60-80	1784.26	N.A.	18.20
70-80	674.14	N.A.	6.90
80-90	262.29	N.A.	2.70
90-110	88.74	N.A.	0.90
90-120	111.35	N.A.	1.10
90-130	126.35	N.A.	1.30
90-150	142.15	N.A.	1.40
90-180	142.46	N.A.	1.50
110-180	53.72	N.A.	0.50
0-180	9823.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	310.57
10-20	900.57
20-30	1384.9
30-40	1702.82
40-50	1817.22
50-60	1518.18
60-70	1110.13
70-80	674.14
80-90	262.29
90-100	55.60
100-110	33.14
110-120	22.61
120-130	15.00
130-140	13.64
140-150	2.16
150-160	0.27
160-170	0.03
170-180	0.01

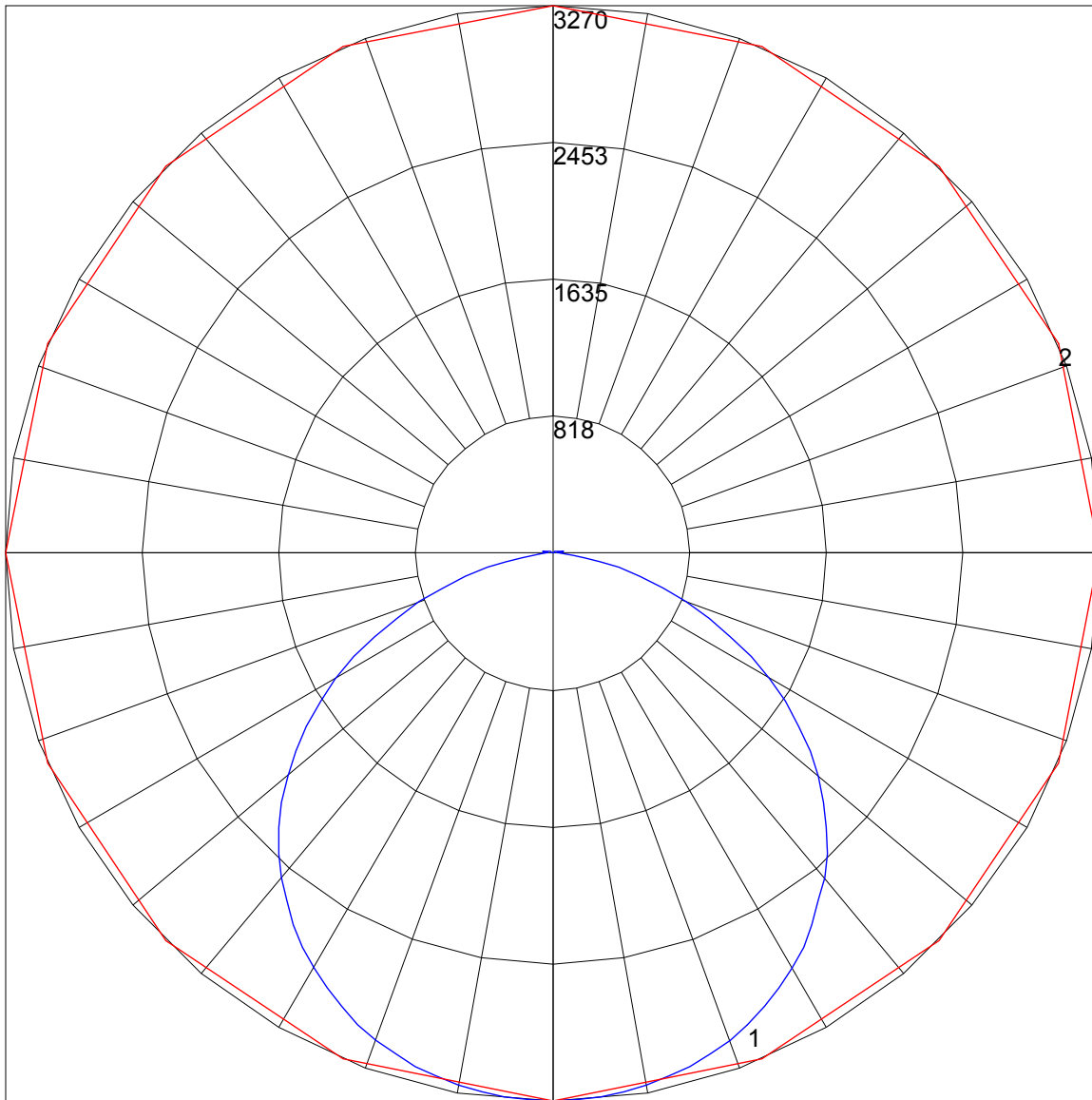
IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV.IES

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	96	88	82	76	84	79	74	81	76	72	77	74	70	68
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	68	64	60	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	68	55	47	41	53	46	40	51	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 3270.24 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.)