

PHILIPS

PHILIPS

Day-Brite

CFI

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-LFP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO33943.PSO
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 12/17/14
[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI
[LUMCAT] APX08LL40-UNV-LFP
[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER NO OPTICS 10.5K RESISTOR DP-FR50 LENS
[LAMP] LED. LUMINAIRE OUTPUT = 9511 LMS
[TESTDATE] 12/17/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	75.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
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	5236	4281	4088
55	4503	3463	3311
65	3652	2688	2972
75	2735	2114	2390
85	1465	1367	1634

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-LFP.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	3256.39	3256.39	3256.39	3256.39	3256.39	3256.39	3256.39	3256.39	3256.39	3256.39
2.5	3250.39	3250.37	3256.00	3253.76	3253.96	3253.76	3256.00	3250.37	3250.39	3250.37
5.0	3241.83	3239.60	3248.78	3248.93	3246.89	3248.93	3248.78	3239.60	3241.83	3239.60
7.5	3226.56	3223.74	3234.05	3236.30	3236.18	3236.30	3234.05	3223.74	3226.56	3223.74
10.0	3204.36	3203.91	3212.62	3219.67	3217.39	3219.67	3212.62	3203.91	3204.36	3203.91
12.5	3175.37	3177.85	3187.68	3189.63	3190.23	3189.63	3187.68	3177.85	3175.37	3177.85
15.0	3139.77	3145.05	3154.95	3154.19	3151.11	3154.19	3154.95	3145.05	3139.77	3145.05
17.5	3097.20	3105.30	3111.51	3108.59	3105.87	3108.59	3111.51	3105.30	3097.20	3105.30
20.0	3047.87	3057.12	3060.89	3053.91	3050.78	3053.91	3060.89	3057.12	3047.87	3057.12
22.5	2990.73	2998.74	3001.31	2992.25	2987.92	2992.25	3001.31	2998.74	2990.73	2998.74
25.0	2926.20	2933.29	2933.03	2919.46	2913.91	2919.46	2933.03	2933.29	2926.20	2933.29
27.5	2852.67	2860.55	2856.09	2839.10	2829.20	2839.10	2856.09	2860.55	2852.67	2860.55
30.0	2771.59	2777.76	2772.32	2750.83	2737.30	2750.83	2772.32	2777.76	2771.59	2777.76
32.5	2679.02	2685.37	2678.41	2650.35	2640.16	2650.35	2678.41	2685.37	2679.02	2685.37
35.0	2576.16	2584.57	2571.67	2542.67	2537.18	2542.67	2571.67	2584.57	2576.16	2584.57
37.5	2468.21	2474.36	2456.89	2432.64	2424.61	2432.64	2456.89	2474.36	2468.21	2474.36
40.0	2351.73	2354.82	2339.55	2317.13	2303.46	2317.13	2339.55	2354.82	2351.73	2354.82
42.5	2229.07	2229.56	2216.74	2191.79	2176.04	2191.79	2229.56	2229.07	2229.07	2229.56
45.0	2094.49	2098.35	2087.24	2057.57	2040.93	2057.57	2087.24	2098.35	2094.49	2098.35
47.5	1955.96	1959.19	1951.91	1919.14	1900.80	1919.14	1951.91	1959.19	1955.96	1959.19
50.0	1814.34	1817.25	1809.78	1777.36	1759.68	1777.36	1809.78	1817.25	1814.34	1817.25
52.5	1670.11	1675.29	1665.81	1634.83	1624.41	1634.83	1665.81	1675.29	1670.11	1675.29
55.0	1526.24	1531.77	1524.86	1501.62	1503.27	1501.62	1524.86	1531.77	1526.24	1531.77
57.5	1381.30	1391.11	1388.12	1386.55	1405.22	1386.55	1388.12	1391.11	1381.30	1391.11
60.0	1242.86	1253.77	1255.62	1289.35	1328.49	1289.35	1255.62	1253.77	1242.86	1253.77
62.5	1106.53	1120.12	1133.01	1206.68	1255.57	1206.68	1133.01	1120.12	1106.53	1120.12
65.0	977.48	993.03	1020.74	1127.39	1173.81	1127.39	1020.74	993.03	977.48	993.03
67.5	852.22	872.76	918.18	1041.64	1080.03	1041.64	918.18	872.76	852.22	872.76
70.0	734.82	758.67	825.70	949.89	978.98	949.89	825.70	758.67	734.82	758.67
72.5	623.00	651.09	738.92	853.71	874.96	853.71	738.92	651.09	623.00	651.09
75.0	514.66	549.47	650.42	753.40	773.82	753.40	650.42	549.47	514.66	549.47
77.5	412.34	452.30	559.72	653.35	674.96	653.35	559.72	452.30	412.34	452.30
80.0	314.40	358.41	470.81	558.03	577.56	558.03	470.81	358.41	314.40	358.41
82.5	226.96	272.64	386.62	466.81	484.56	466.81	386.62	272.64	226.96	272.64
85.0	150.85	200.68	309.20	380.01	396.93	380.01	309.20	200.68	150.85	200.68
87.5	96.06	148.13	247.72	307.88	321.78	307.88	247.72	148.13	96.06	148.13
90.0	70.62	111.93	195.93	244.39	254.77	244.39	195.93	111.93	70.62	111.93
92.5	63.99	91.45	156.16	192.23	200.09	192.23	156.16	91.45	63.99	91.45
95.0	60.45	81.32	128.06	153.94	159.79	153.94	128.06	81.32	60.45	81.32
97.5	58.19	73.45	110.05	128.41	132.49	128.41	110.05	73.45	58.19	73.45
100.0	56.28	66.74	97.80	112.40	115.30	112.40	97.80	66.74	56.28	66.74
102.5	53.54	61.00	88.58	102.23	105.00	102.23	88.58	61.00	53.54	61.00
105.0	50.24	55.93	81.86	95.56	98.67	95.56	81.86	55.93	50.24	55.93
107.5	46.53	51.35	76.20	90.16	94.03	90.16	76.20	51.35	46.53	51.35
110.0	42.46	46.79	71.23	85.66	90.00	85.66	71.23	46.79	42.46	46.79
112.5	38.06	41.96	66.58	81.32	86.15	81.32	66.58	41.96	38.06	41.96
115.0	33.71	37.00	61.98	76.86	82.14	76.86	61.98	37.00	33.71	37.00
117.5	29.61	32.14	57.33	72.40	77.98	72.40	57.33	32.14	29.61	32.14
120.0	25.81	27.36	52.54	68.14	73.92	68.14	52.54	27.36	25.81	27.36
122.5	22.25	22.87	47.82	63.65	69.09	63.65	47.82	22.87	22.25	22.87
125.0	18.93	18.76	42.94	58.47	64.48	58.47	42.94	18.76	18.93	18.76
127.5	16.04	14.80	37.67	53.74	60.21	53.74	37.67	14.80	16.04	14.80
130.0	13.51	11.60	32.41	49.12	55.35	49.12	32.41	11.60	13.51	11.60
132.5	11.36	9.57	27.51	44.04	50.07	44.04	27.51	9.57	11.36	9.57

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-LFP.IES

CANDELA TABULATION - (Cont.)

135.0	9.40	7.82	22.41	38.84	44.79	38.84	22.41	7.82	9.40	7.82
137.5	7.65	6.35	17.36	33.52	39.36	33.52	17.36	6.35	7.65	6.35
140.0	6.07	4.96	12.85	28.24	33.70	28.24	12.85	4.96	6.07	4.96
142.5	4.64	3.71	8.89	22.93	28.16	22.93	8.89	3.71	4.64	3.71
145.0	3.38	2.59	5.29	17.95	22.81	17.95	5.29	2.59	3.38	2.59
147.5	2.25	1.65	2.41	13.22	17.60	13.22	2.41	1.65	2.25	1.65
150.0	1.36	0.91	0.75	8.94	12.65	8.94	0.75	0.91	1.36	0.91
152.5	0.63	0.31	0.46	5.07	8.11	5.07	0.46	0.31	0.63	0.31
155.0	0.14	0.13	0.37	1.78	4.18	1.78	0.37	0.13	0.14	0.13
157.5	0.08	0.12	0.29	0.56	1.30	0.56	0.29	0.12	0.08	0.12
160.0	0.11	0.13	0.25	0.38	0.52	0.38	0.25	0.13	0.11	0.13
162.5	0.13	0.13	0.20	0.28	0.35	0.28	0.20	0.13	0.13	0.13
165.0	0.15	0.11	0.13	0.19	0.20	0.19	0.13	0.11	0.15	0.11
167.5	0.09	0.06	0.05	0.10	0.11	0.10	0.05	0.06	0.09	0.06
170.0	0.11	0.05	0.00	0.04	0.04	0.04	0.00	0.05	0.11	0.05
172.5	0.20	0.14	0.06	0.04	0.03	0.04	0.06	0.14	0.20	0.14
175.0	0.25	0.21	0.12	0.05	0.04	0.05	0.12	0.21	0.25	0.21
177.5	0.32	0.27	0.08	0.06	0.07	0.06	0.08	0.27	0.32	0.27
180.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

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	3256.39	3256.39	3256.39	3256.39	3256.39	3256.39	3256.39
2.5	3256.00	3253.76	3253.96	3253.76	3256.00	3250.37	3250.39
5.0	3248.78	3248.93	3246.89	3248.93	3248.78	3239.60	3241.83
7.5	3234.05	3236.30	3236.18	3236.30	3234.05	3223.74	3226.56
10.0	3212.62	3219.67	3217.39	3219.67	3212.62	3203.91	3204.36
12.5	3187.68	3189.63	3190.23	3189.63	3187.68	3177.85	3175.37
15.0	3154.95	3154.19	3151.11	3154.19	3154.95	3145.05	3139.77
17.5	3111.51	3108.59	3105.87	3108.59	3111.51	3105.30	3097.20
20.0	3060.89	3053.91	3050.78	3053.91	3060.89	3057.12	3047.87
22.5	3001.31	2992.25	2987.92	2992.25	3001.31	2998.74	2990.73
25.0	2933.03	2919.46	2913.91	2919.46	2933.03	2933.29	2926.20
27.5	2856.09	2839.10	2829.20	2839.10	2856.09	2860.55	2852.67
30.0	2772.32	2750.83	2737.30	2750.83	2772.32	2777.76	2771.59
32.5	2678.41	2650.35	2640.16	2650.35	2678.41	2685.37	2679.02
35.0	2571.67	2542.67	2537.18	2542.67	2571.67	2584.57	2576.16
37.5	2456.89	2432.64	2424.61	2432.64	2456.89	2474.36	2468.21
40.0	2339.55	2317.13	2303.46	2317.13	2339.55	2354.82	2351.73
42.5	2216.74	2191.79	2176.04	2191.79	2216.74	2229.56	2229.07
45.0	2087.24	2057.57	2040.93	2057.57	2087.24	2098.35	2094.49
47.5	1951.91	1919.14	1900.80	1919.14	1951.91	1959.19	1955.96
50.0	1809.78	1777.36	1759.68	1777.36	1809.78	1817.25	1814.34
52.5	1665.81	1634.83	1624.41	1634.83	1665.81	1675.29	1670.11
55.0	1524.86	1501.62	1503.27	1501.62	1524.86	1531.77	1526.24
57.5	1388.12	1386.55	1405.22	1386.55	1388.12	1391.11	1381.30
60.0	1255.62	1289.35	1328.49	1289.35	1255.62	1253.77	1242.86
62.5	1133.01	1206.68	1255.57	1206.68	1133.01	1120.12	1106.53
65.0	1020.74	1127.39	1173.81	1127.39	1020.74	993.03	977.48
67.5	918.18	1041.64	1080.03	1041.64	918.18	872.76	852.22
70.0	825.70	949.89	978.98	949.89	825.70	758.67	734.82
72.5	738.92	853.71	874.96	853.71	738.92	651.09	623.00
75.0	650.42	753.40	773.82	753.40	650.42	549.47	514.66
77.5	559.72	653.35	674.96	653.35	559.72	452.30	412.34
80.0	470.81	558.03	577.56	558.03	470.81	358.41	314.40

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-LFP.IES

CANDELA TABULATION - (Cont.)

82.5	386.62	466.81	484.56	466.81	386.62	272.64	226.96
85.0	309.20	380.01	396.93	380.01	309.20	200.68	150.85
87.5	247.72	307.88	321.78	307.88	247.72	148.13	96.06
90.0	195.93	244.39	254.77	244.39	195.93	111.93	70.62
92.5	156.16	192.23	200.09	192.23	156.16	91.45	63.99
95.0	128.06	153.94	159.79	153.94	128.06	81.32	60.45
97.5	110.05	128.41	132.49	128.41	110.05	73.45	58.19
100.0	97.80	112.40	115.30	112.40	97.80	66.74	56.28
102.5	88.58	102.23	105.00	102.23	88.58	61.00	53.54
105.0	81.86	95.56	98.67	95.56	81.86	55.93	50.24
107.5	76.20	90.16	94.03	90.16	76.20	51.35	46.53
110.0	71.23	85.66	90.00	85.66	71.23	46.79	42.46
112.5	66.58	81.32	86.15	81.32	66.58	41.96	38.06
115.0	61.98	76.86	82.14	76.86	61.98	37.00	33.71
117.5	57.33	72.40	77.98	72.40	57.33	32.14	29.61
120.0	52.54	68.14	73.92	68.14	52.54	27.36	25.81
122.5	47.82	63.65	69.09	63.65	47.82	22.87	22.25
125.0	42.94	58.47	64.48	58.47	42.94	18.76	18.93
127.5	37.67	53.74	60.21	53.74	37.67	14.80	16.04
130.0	32.41	49.12	55.35	49.12	32.41	11.60	13.51
132.5	27.51	44.04	50.07	44.04	27.51	9.57	11.36
135.0	22.41	38.84	44.79	38.84	22.41	7.82	9.40
137.5	17.36	33.52	39.36	33.52	17.36	6.35	7.65
140.0	12.85	28.24	33.70	28.24	12.85	4.96	6.07
142.5	8.89	22.93	28.16	22.93	8.89	3.71	4.64
145.0	5.29	17.95	22.81	17.95	5.29	2.59	3.38
147.5	2.41	13.22	17.60	13.22	2.41	1.65	2.25
150.0	0.75	8.94	12.65	8.94	0.75	0.91	1.36
152.5	0.46	5.07	8.11	5.07	0.46	0.31	0.63
155.0	0.37	1.78	4.18	1.78	0.37	0.13	0.14
157.5	0.29	0.56	1.30	0.56	0.29	0.12	0.08
160.0	0.25	0.38	0.52	0.38	0.25	0.13	0.11
162.5	0.20	0.28	0.35	0.28	0.20	0.13	0.13
165.0	0.13	0.19	0.20	0.19	0.13	0.11	0.15
167.5	0.05	0.10	0.11	0.10	0.05	0.06	0.09
170.0	0.00	0.04	0.04	0.04	0.00	0.05	0.11
172.5	0.06	0.04	0.03	0.04	0.06	0.14	0.20
175.0	0.12	0.05	0.04	0.05	0.12	0.21	0.25
177.5	0.08	0.06	0.07	0.06	0.08	0.27	0.32
180.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-LFP.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1197.59	N.A.	12.60
0-30	2545.27	N.A.	26.80
0-40	4147.29	N.A.	43.60
0-60	7110.63	N.A.	74.80
0-80	8842.94	N.A.	93.00
0-90	9172.09	N.A.	96.40
10-90	8863.38	N.A.	93.20
20-40	2949.7	N.A.	31.00
20-50	4549.79	N.A.	47.80
40-70	4008.77	N.A.	42.10
60-80	1732.31	N.A.	18.20
70-80	686.89	N.A.	7.20
80-90	329.15	N.A.	3.50
90-110	218.19	N.A.	2.30
90-120	276.33	N.A.	2.90
90-130	312.87	N.A.	3.30
90-150	338.12	N.A.	3.60
90-180	338.97	N.A.	3.60
110-180	120.78	N.A.	1.30
0-180	9511.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	308.71
10-20	888.87
20-30	1347.69
30-40	1602.02
40-50	1600.1
50-60	1363.25
60-70	1045.42
70-80	686.89
80-90	329.15
90-100	135.90
100-110	82.29
110-120	58.14
120-130	36.54
130-140	18.82
140-150	6.42
150-160	0.80
160-170	0.05
170-180	0.01

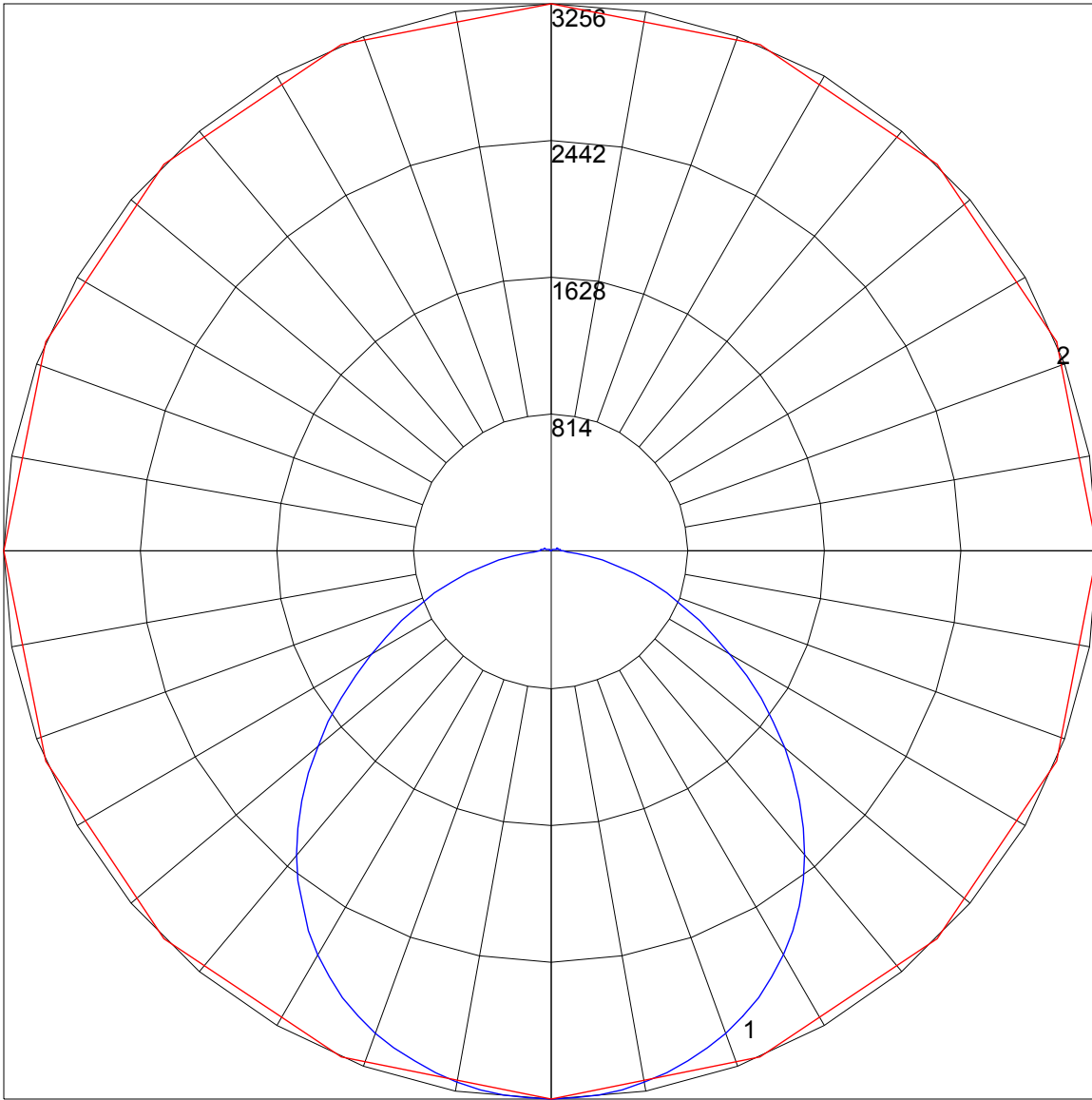
IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-LFP.IES

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	118	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	98	94	94	104	100	96	92	95	91	88	90	87	85	86	84	82	79
2	98	89	82	76	76	95	87	80	75	83	77	73	79	74	71	75	72	68	66
3	89	78	70	63	63	86	76	69	63	73	66	61	70	64	60	67	62	58	56
4	82	69	61	54	54	79	68	60	53	65	58	52	62	56	51	60	54	50	48
5	75	62	53	46	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	41	41	67	55	46	40	53	45	40	51	44	39	49	43	38	36
7	64	51	42	36	36	62	50	42	36	48	41	35	46	40	35	45	39	34	32
8	60	46	38	32	32	58	46	37	32	44	37	31	42	36	31	41	35	31	29
9	56	43	34	29	29	54	42	34	29	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	26	51	39	31	26	37	31	26	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 3256.39 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.)