

PHILIPS

Day-Brite

PHILIPS

CFI

IES INDOOR REPORT

PHOTOMETRIC FILENAME : APX08LL40-UNV-A-LCP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] FO33976.PSO

[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY

[ISSUEDATE] 12/24/14

[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI

[LUMCAT] APX08LL40-UNV-A-LCP

[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER AISLE OPTICS 10.5K RESISTOR DP LENS

[LAMP] LED. LUMINAIRE OUTPUT = 9278 LMS

[TESTDATE] 12/24/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9278
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	75.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.72
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	14915	2219	2210
55	1923	1260	691
65	1236	438	690
75	802	475	517
85	405	398	630

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	9363.94	9363.94	9363.94	9363.94	9363.94	9363.94	9363.94	9363.94	9363.94	9363.94
2.5	9420.56	9388.39	9304.56	9164.47	9035.78	9164.47	9304.56	9388.39	9420.56	9388.39
5.0	9446.49	9307.43	9029.58	8713.09	8545.44	8713.09	9029.58	9307.43	9446.49	9307.43
7.5	9490.00	9194.82	8582.18	8000.76	7783.53	8000.76	8582.18	9194.82	9490.00	9194.82
10.0	9547.15	9041.80	7985.15	7132.56	6863.16	7132.56	7985.15	9041.80	9547.15	9041.80
12.5	9617.61	8840.11	7276.63	6188.18	5901.14	6188.18	7276.63	8840.11	9617.61	8840.11
15.0	9707.73	8582.62	6515.62	5268.69	4976.90	5268.69	6515.62	8582.62	9707.73	8582.62
17.5	9804.93	8269.14	5734.70	4431.59	4148.57	4431.59	5734.70	8269.14	9804.93	8269.14
20.0	9913.41	7873.00	4953.95	3726.41	3479.80	3726.41	4953.95	7873.00	9913.41	7873.00
22.5	10005.15	7390.05	4205.88	3128.49	2919.39	3128.49	4205.88	7390.05	10005.15	7390.05
25.0	10061.60	6850.09	3559.90	2640.73	2481.16	2640.73	3559.90	6850.09	10061.60	6850.09
27.5	10031.73	6228.75	2985.09	2260.37	2145.27	2260.37	2985.09	6228.75	10031.73	6228.75
30.0	9879.10	5500.71	2482.34	1968.27	1902.44	1968.27	2482.34	5500.71	9879.10	5500.71
32.5	9547.65	4698.32	2079.24	1754.65	1720.90	1754.65	2079.24	4698.32	9547.65	4698.32
35.0	9019.34	3850.87	1773.58	1590.21	1583.74	1590.21	1773.58	3850.87	9019.34	3850.87
37.5	8351.58	2970.20	1538.89	1465.47	1471.77	1465.47	1538.89	2970.20	8351.58	2970.20
40.0	7660.87	2125.35	1352.89	1346.51	1352.60	1346.51	1352.89	2125.35	7660.87	2125.35
42.5	6930.73	1509.98	1208.29	1226.65	1228.13	1226.65	1208.29	1509.98	6930.73	1509.98
45.0	5966.03	1113.89	1081.99	1103.05	1103.27	1103.05	1081.99	1113.89	5966.03	1113.89
47.5	4428.39	887.90	954.16	974.93	976.24	974.93	954.16	887.90	4428.39	887.90
50.0	2521.86	735.52	833.15	840.69	819.28	840.69	833.15	735.52	2521.86	735.52
52.5	1167.93	617.49	693.80	677.35	539.28	677.35	693.80	617.49	1167.93	617.49
55.0	651.71	517.45	554.77	421.49	313.69	421.49	554.77	517.45	651.71	517.45
57.5	513.29	421.45	400.53	240.89	254.72	240.89	400.53	421.45	513.29	421.45
60.0	437.86	343.94	275.11	219.73	277.25	219.73	275.11	343.94	437.86	343.94
62.5	379.23	293.91	199.16	226.37	309.71	226.37	199.16	293.91	379.23	293.91
65.0	330.66	266.09	166.44	248.18	272.51	248.18	166.44	266.09	330.66	266.09
67.5	283.32	242.01	150.53	215.41	240.73	215.41	150.53	242.01	283.32	242.01
70.0	224.99	214.81	146.75	196.06	224.07	196.06	146.75	214.81	224.99	214.81
72.5	183.36	176.62	153.18	176.63	203.03	176.63	153.18	176.62	183.36	176.62
75.0	150.82	129.92	146.06	153.35	167.47	153.35	146.06	129.92	150.82	129.92
77.5	114.28	96.06	134.56	119.77	137.58	119.77	134.56	96.06	114.28	96.06
80.0	83.83	80.35	104.06	109.03	137.67	109.03	104.06	80.35	83.83	80.35
82.5	59.46	66.36	90.89	119.54	148.07	119.54	90.89	66.36	59.46	66.36
85.0	41.72	63.98	89.97	130.79	153.02	130.79	89.97	63.98	41.72	63.98
87.5	28.42	65.83	102.76	127.68	147.88	127.68	102.76	65.83	28.42	65.83
90.0	17.54	56.59	83.18	101.05	114.43	101.05	83.18	56.59	17.54	56.59
92.5	13.30	42.34	53.36	58.82	65.25	58.82	53.36	42.34	13.30	42.34
95.0	14.90	30.72	19.73	20.03	25.97	20.03	19.73	30.72	14.90	30.72
97.5	17.70	11.32	7.41	10.80	13.97	10.80	7.41	11.32	17.70	11.32
100.0	18.30	8.01	6.05	8.80	11.35	8.80	6.05	8.01	18.30	8.01
102.5	16.91	8.04	5.15	6.97	8.92	6.97	5.15	8.04	16.91	8.04
105.0	14.57	8.31	4.32	6.06	7.62	6.06	4.32	8.31	14.57	8.31
107.5	12.08	7.88	3.46	5.16	6.62	5.16	3.46	7.88	12.08	7.88
110.0	10.11	6.80	2.81	4.21	5.64	4.21	2.81	6.80	10.11	6.80
112.5	8.48	5.72	2.47	3.21	4.60	3.21	2.47	5.72	8.48	5.72
115.0	7.22	4.79	2.21	2.52	3.73	2.52	2.21	4.79	7.22	4.79
117.5	6.29	4.67	2.02	2.16	3.14	2.16	2.02	4.67	6.29	4.67
120.0	5.75	4.98	1.72	1.94	2.70	1.94	1.72	4.98	5.75	4.98
122.5	5.41	4.60	1.79	1.69	2.26	1.69	1.79	4.60	5.41	4.60
125.0	5.18	3.54	3.74	1.19	1.72	1.19	3.74	3.54	5.18	3.54
127.5	4.90	2.77	7.05	1.54	1.44	1.54	7.05	2.77	4.90	2.77
130.0	4.42	2.42	7.56	4.62	2.95	4.62	7.56	2.42	4.42	2.42
132.5	3.83	2.46	3.68	10.70	8.61	10.70	3.68	2.46	3.83	2.46

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135.0	3.06	2.24	1.54	11.95	13.43	11.95	1.54	2.24	3.06	2.24
137.5	2.28	1.99	0.58	5.78	12.59	5.78	0.58	1.99	2.28	1.99
140.0	1.68	1.83	0.27	2.26	5.37	2.26	0.27	1.83	1.68	1.83
142.5	1.16	1.56	0.15	0.84	1.83	0.84	0.15	1.56	1.16	1.56
145.0	0.75	1.31	0.21	0.29	0.62	0.29	0.21	1.31	0.75	1.31
147.5	0.51	1.10	0.36	0.05	0.14	0.05	0.36	1.10	0.51	1.10
150.0	0.36	0.94	0.47	0.04	0.00	0.04	0.47	0.94	0.36	0.94
152.5	0.26	0.92	0.67	0.19	0.03	0.19	0.67	0.92	0.26	0.92
155.0	0.34	0.91	0.80	0.32	0.21	0.32	0.80	0.91	0.34	0.91
157.5	0.44	0.89	0.85	0.53	0.43	0.53	0.85	0.89	0.44	0.89
160.0	0.57	0.85	0.93	0.75	0.60	0.75	0.93	0.85	0.57	0.85
162.5	0.60	0.88	1.01	0.94	0.86	0.94	1.01	0.88	0.60	0.88
165.0	0.66	0.86	1.02	1.07	1.00	1.07	1.02	0.86	0.66	0.86
167.5	0.56	0.69	0.84	1.05	1.08	1.05	0.84	0.69	0.56	0.69
170.0	0.68	0.68	0.73	1.02	1.15	1.02	0.73	0.68	0.68	0.68
172.5	0.76	0.88	0.90	1.04	1.24	1.04	0.90	0.88	0.76	0.88
175.0	0.83	0.93	0.93	1.14	1.31	1.14	0.93	0.93	0.83	0.93
177.5	0.93	1.05	0.85	1.10	1.30	1.10	0.85	1.05	0.93	1.05
180.0	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03

**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	9363.94	9363.94	9363.94	9363.94	9363.94	9363.94	9363.94
2.5	9304.56	9164.47	9035.78	9164.47	9304.56	9388.39	9420.56
5.0	9029.58	8713.09	8545.44	8713.09	9029.58	9307.43	9446.49
7.5	8582.18	8000.76	7783.53	8000.76	8582.18	9194.82	9490.00
10.0	7985.15	7132.56	6863.16	7132.56	7985.15	9041.80	9547.15
12.5	7276.63	6188.18	5901.14	6188.18	7276.63	8840.11	9617.61
15.0	6515.62	5268.69	4976.90	5268.69	6515.62	8582.62	9707.73
17.5	5734.70	4431.59	4148.57	4431.59	5734.70	8269.14	9804.93
20.0	4953.95	3726.41	3479.80	3726.41	4953.95	7873.00	9913.41
22.5	4205.88	3128.49	2919.39	3128.49	4205.88	7390.05	10005.15
25.0	3559.90	2640.73	2481.16	2640.73	3559.90	6850.09	10061.60
27.5	2985.09	2260.37	2145.27	2260.37	2985.09	6228.75	10031.73
30.0	2482.34	1968.27	1902.44	1968.27	2482.34	5500.71	9879.10
32.5	2079.24	1754.65	1720.90	1754.65	2079.24	4698.32	9547.65
35.0	1773.58	1590.21	1583.74	1590.21	1773.58	3850.87	9019.34
37.5	1538.89	1465.47	1471.77	1465.47	1538.89	2970.20	8351.58
40.0	1352.89	1346.51	1352.60	1346.51	1352.89	2125.35	7660.87
42.5	1208.29	1226.65	1228.13	1226.65	1208.29	1509.98	6930.73
45.0	1081.99	1103.05	1103.27	1103.05	1081.99	1113.89	5966.03
47.5	954.16	974.93	976.24	974.93	954.16	887.90	4428.39
50.0	833.15	840.69	819.28	840.69	833.15	735.52	2521.86
52.5	693.80	677.35	539.28	677.35	693.80	617.49	1167.93
55.0	554.77	421.49	313.69	421.49	554.77	517.45	651.71
57.5	400.53	240.89	254.72	240.89	400.53	421.45	513.29
60.0	275.11	219.73	277.25	219.73	275.11	343.94	437.86
62.5	199.16	226.37	309.71	226.37	199.16	293.91	379.23
65.0	166.44	248.18	272.51	248.18	166.44	266.09	330.66
67.5	150.53	215.41	240.73	215.41	150.53	242.01	283.32
70.0	146.75	196.06	224.07	196.06	146.75	214.81	224.99
72.5	153.18	176.63	203.03	176.63	153.18	176.62	183.36
75.0	146.06	153.35	167.47	153.35	146.06	129.92	150.82
77.5	134.56	119.77	137.58	119.77	134.56	96.06	114.28
80.0	104.06	109.03	137.67	109.03	104.06	80.35	83.83

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CANDELA TABULATION - (Cont.)

82.5	90.89	119.54	148.07	119.54	90.89	66.36	59.46
85.0	89.97	130.79	153.02	130.79	89.97	63.98	41.72
87.5	102.76	127.68	147.88	127.68	102.76	65.83	28.42
90.0	83.18	101.05	114.43	101.05	83.18	56.59	17.54
92.5	53.36	58.82	65.25	58.82	53.36	42.34	13.30
95.0	19.73	20.03	25.97	20.03	19.73	30.72	14.90
97.5	7.41	10.80	13.97	10.80	7.41	11.32	17.70
100.0	6.05	8.80	11.35	8.80	6.05	8.01	18.30
102.5	5.15	6.97	8.92	6.97	5.15	8.04	16.91
105.0	4.32	6.06	7.62	6.06	4.32	8.31	14.57
107.5	3.46	5.16	6.62	5.16	3.46	7.88	12.08
110.0	2.81	4.21	5.64	4.21	2.81	6.80	10.11
112.5	2.47	3.21	4.60	3.21	2.47	5.72	8.48
115.0	2.21	2.52	3.73	2.52	2.21	4.79	7.22
117.5	2.02	2.16	3.14	2.16	2.02	4.67	6.29
120.0	1.72	1.94	2.70	1.94	1.72	4.98	5.75
122.5	1.79	1.69	2.26	1.69	1.79	4.60	5.41
125.0	3.74	1.19	1.72	1.19	3.74	3.54	5.18
127.5	7.05	1.54	1.44	1.54	7.05	2.77	4.90
130.0	7.56	4.62	2.95	4.62	7.56	2.42	4.42
132.5	3.68	10.70	8.61	10.70	3.68	2.46	3.83
135.0	1.54	11.95	13.43	11.95	1.54	2.24	3.06
137.5	0.58	5.78	12.59	5.78	0.58	1.99	2.28
140.0	0.27	2.26	5.37	2.26	0.27	1.83	1.68
142.5	0.15	0.84	1.83	0.84	0.15	1.56	1.16
145.0	0.21	0.29	0.62	0.29	0.21	1.31	0.75
147.5	0.36	0.05	0.14	0.05	0.36	1.10	0.51
150.0	0.47	0.04	0.00	0.04	0.47	0.94	0.36
152.5	0.67	0.19	0.03	0.19	0.67	0.92	0.26
155.0	0.80	0.32	0.21	0.32	0.80	0.91	0.34
157.5	0.85	0.53	0.43	0.53	0.85	0.89	0.44
160.0	0.93	0.75	0.60	0.75	0.93	0.85	0.57
162.5	1.01	0.94	0.86	0.94	1.01	0.88	0.60
165.0	1.02	1.07	1.00	1.07	1.02	0.86	0.66
167.5	0.84	1.05	1.08	1.05	0.84	0.69	0.56
170.0	0.73	1.02	1.15	1.02	0.73	0.68	0.68
172.5	0.90	1.04	1.24	1.04	0.90	0.88	0.76
175.0	0.93	1.14	1.31	1.14	0.93	0.93	0.83
177.5	0.85	1.10	1.30	1.10	0.85	1.05	0.93
180.0	1.03	1.03	1.03	1.03	1.03	1.03	1.03

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2763.84	N.A.	29.80
0-30	4984.38	N.A.	53.70
0-40	6933.63	N.A.	74.70
0-60	8724.02	N.A.	94.00
0-80	9121.16	N.A.	98.30
0-90	9223.61	N.A.	99.40
10-90	8393.03	N.A.	90.50
20-40	4169.78	N.A.	44.90
20-50	5467.06	N.A.	58.90
40-70	2032.05	N.A.	21.90
60-80	397.14	N.A.	4.30
70-80	155.49	N.A.	1.70
80-90	102.45	N.A.	1.10
90-110	42.18	N.A.	0.50
90-120	46.15	N.A.	0.50
90-130	49.17	N.A.	0.50
90-150	53.41	N.A.	0.60
90-180	54.01	N.A.	0.60
110-180	11.83	N.A.	0.10
0-180	9277.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	830.58
10-20	1933.26
20-30	2220.53
30-40	1949.25
40-50	1297.28
50-60	493.12
60-70	241.65
70-80	155.49
80-90	102.45
90-100	34.34
100-110	7.84
110-120	3.97
120-130	3.01
130-140	3.71
140-150	0.53
150-160	0.26
160-170	0.25
170-180	0.09

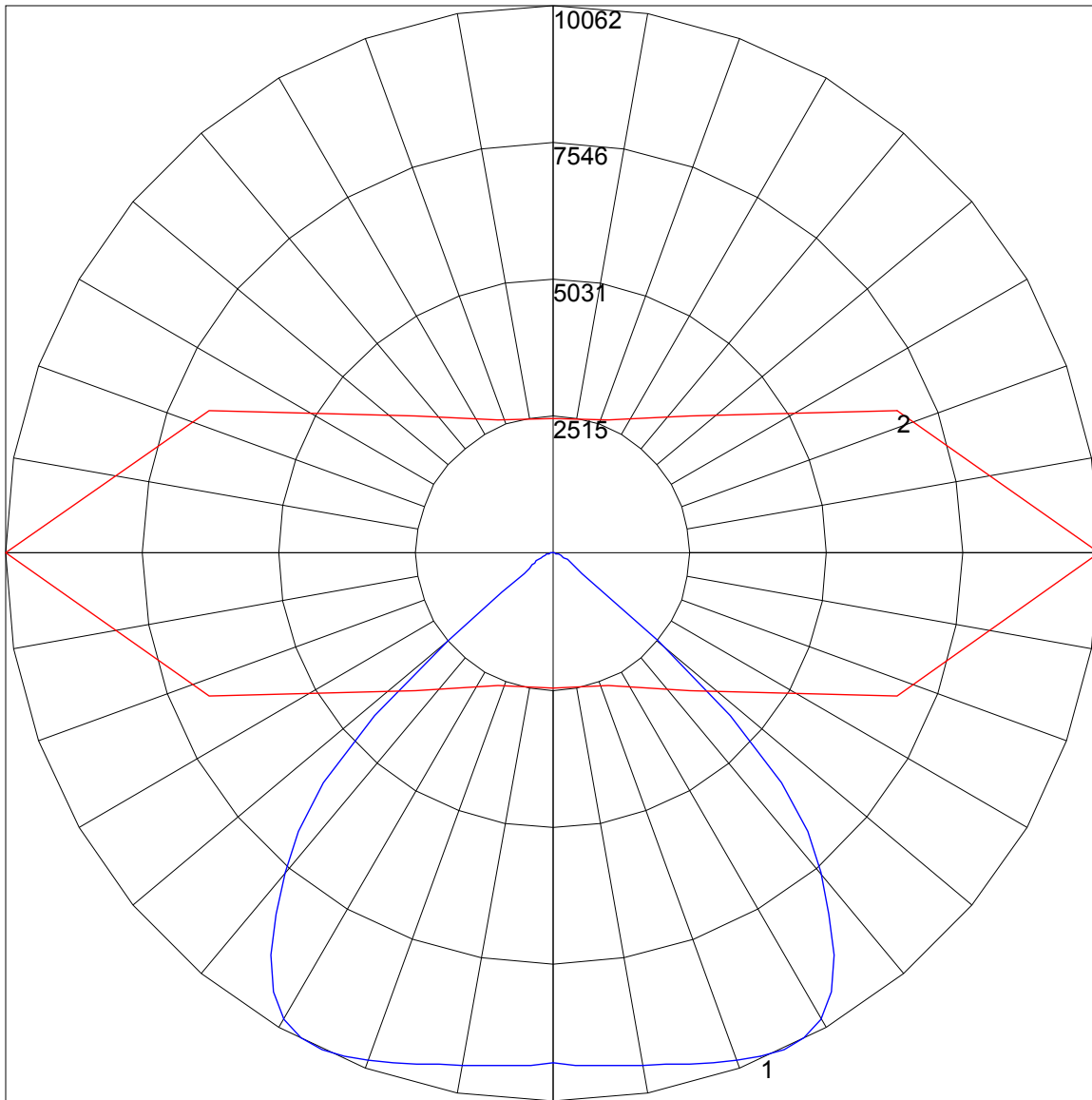
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	102	102	99
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	94	93	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	81	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61
6	82	71	65	60	80	71	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	59	55	64	58	54	63	58	54	62	57	53	52
8	73	62	55	51	72	61	55	50	60	54	50	59	54	50	58	53	50	48
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45
10	65	55	48	44	64	54	48	44	53	47	44	52	47	43	51	47	43	42

POLAR GRAPH



Maximum Candela = 10061.6 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)