

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

IESNA:LM-63-2002

[TEST] FO33978.PSO

[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY

[ISSUEDATE] 12/24/14

[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI

[LUMCAT] APX08LL40-UNV-A

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

[LAMP] LED. LUMINAIRE OUTPUT = 9661 LMS

[TESTDATE] 12/24/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9661
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	75.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	0.54
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	15421	2287	2318
55	2004	1318	854
65	1315	493	750
75	897	527	538
85	488	451	659

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-A.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	9596.42	9596.42	9596.42	9596.42	9596.42	9596.42	9596.42	9596.42	9596.42	9596.42
2.5	9698.43	9655.56	9546.86	9369.15	9218.35	9369.15	9546.86	9655.56	9698.43	9655.56
5.0	9731.38	9583.55	9269.18	8919.53	8721.14	8919.53	9269.18	9583.55	9731.38	9583.55
7.5	9774.47	9474.96	8827.56	8195.20	7959.72	8195.20	8827.56	9474.96	9774.47	9474.96
10.0	9834.08	9323.45	8229.07	7324.67	7035.35	7324.67	8229.07	9323.45	9834.08	9323.45
12.5	9900.14	9122.36	7530.63	6389.30	6092.53	6389.30	7530.63	9122.36	9900.14	9122.36
15.0	9983.34	8870.90	6760.55	5468.04	5162.32	5468.04	6760.55	8870.90	9983.34	8870.90
17.5	10080.74	8548.04	5946.47	4603.90	4308.35	4603.90	5946.47	8548.04	10080.74	8548.04
20.0	10200.99	8162.55	5165.61	3872.31	3609.77	3872.31	5165.61	8162.55	10200.99	8162.55
22.5	10286.19	7690.42	4410.30	3259.07	3034.94	3259.07	4410.30	7690.42	10286.19	7690.42
25.0	10342.19	7145.58	3728.49	2744.84	2584.08	2744.84	3728.49	7145.58	10342.19	7145.58
27.5	10309.09	6496.72	3114.72	2348.31	2227.78	2348.31	3114.72	6496.72	10309.09	6496.72
30.0	10140.99	5754.04	2597.75	2043.36	1971.35	2043.36	2597.75	5754.04	10140.99	5754.04
32.5	9813.68	4937.73	2177.06	1817.47	1778.67	1817.47	2177.06	4937.73	9813.68	4937.73
35.0	9270.98	4059.57	1845.32	1636.39	1627.00	1636.39	1845.32	4059.57	9270.98	4059.57
37.5	8582.63	3152.96	1597.22	1498.59	1498.04	1498.59	1597.22	3152.96	8582.63	3152.96
40.0	7832.81	2294.14	1406.87	1374.80	1376.79	1374.80	1406.87	2294.14	7832.81	2294.14
42.5	7131.93	1610.00	1249.52	1255.61	1272.44	1255.61	1249.52	1610.00	7131.93	1610.00
45.0	6168.35	1178.21	1115.12	1143.15	1157.29	1143.15	1115.12	1178.21	6168.35	1178.21
47.5	4598.48	932.46	988.34	1041.52	1027.41	1041.52	988.34	932.46	4598.48	932.46
50.0	2609.35	776.74	862.68	868.10	810.97	868.10	862.68	776.74	2609.35	776.74
52.5	1201.19	649.24	730.97	669.69	573.39	669.69	730.97	649.24	1201.19	649.24
55.0	679.26	549.05	580.53	448.32	387.49	448.32	580.53	549.05	679.26	549.05
57.5	531.11	448.98	426.77	271.30	312.77	271.30	426.77	448.98	531.11	448.98
60.0	454.56	369.00	289.12	255.15	288.95	255.15	289.12	369.00	454.56	369.00
62.5	397.61	321.22	218.54	243.75	304.19	243.75	218.54	321.22	397.61	321.22
65.0	351.88	296.71	187.10	272.81	296.15	272.81	187.10	296.71	351.88	296.71
67.5	304.55	270.77	174.18	221.93	248.57	221.93	174.18	270.77	304.55	270.77
70.0	245.27	241.63	171.31	206.15	236.88	206.15	171.31	241.63	245.27	241.63
72.5	201.17	199.33	171.43	189.42	210.15	189.42	171.43	199.33	201.17	199.33
75.0	168.79	150.12	162.05	158.49	174.15	158.49	162.05	150.12	168.79	150.12
77.5	131.72	115.73	145.44	127.14	155.14	127.14	145.44	115.73	131.72	115.73
80.0	98.05	99.66	112.67	122.17	152.19	122.17	112.67	99.66	98.05	99.66
82.5	71.57	85.59	99.39	124.29	149.70	124.29	99.39	85.59	71.57	85.59
85.0	50.24	79.36	101.93	136.83	159.95	136.83	101.93	79.36	50.24	79.36
87.5	32.50	76.62	107.49	127.88	141.10	127.88	107.49	76.62	32.50	76.62
90.0	14.94	61.10	83.03	96.99	105.83	96.99	83.03	61.10	14.94	61.10
92.5	11.76	45.07	49.32	53.34	65.43	53.34	49.32	45.07	11.76	45.07
95.0	16.15	26.95	19.00	24.67	30.99	24.67	19.00	26.95	16.15	26.95
97.5	23.19	12.45	12.48	16.94	19.78	16.94	12.48	12.45	23.19	12.45
100.0	23.05	10.89	11.69	15.24	18.01	15.24	11.69	10.89	23.05	10.89
102.5	21.66	10.11	10.98	13.78	15.95	13.78	10.98	10.11	21.66	10.11
105.0	18.31	10.70	10.30	12.97	14.91	12.97	10.30	10.70	18.31	10.70
107.5	14.44	11.55	9.18	12.19	13.85	12.19	9.18	11.55	14.44	11.55
110.0	11.62	10.38	8.27	10.76	12.54	10.76	8.27	10.38	11.62	10.38
112.5	9.69	8.57	7.73	9.44	11.23	9.44	7.73	8.57	9.69	8.57
115.0	8.10	6.98	7.39	8.63	10.06	8.63	7.39	6.98	8.10	6.98
117.5	6.75	6.20	6.74	8.15	9.44	8.15	6.74	6.20	6.75	6.20
120.0	5.83	6.44	5.82	7.66	8.91	7.66	5.82	6.44	5.83	6.44
122.5	5.22	5.30	5.06	6.58	7.91	6.58	5.06	5.30	5.22	5.30
125.0	5.12	3.90	5.47	5.35	6.72	5.35	5.47	3.90	5.12	3.90
127.5	5.29	3.11	7.43	4.73	5.74	4.73	7.43	3.11	5.29	3.11
130.0	5.24	2.76	8.01	5.89	5.67	5.89	8.01	2.76	5.24	2.76
132.5	4.81	2.82	6.00	8.38	8.61	8.38	6.00	2.82	4.81	2.82

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

CANDELA TABULATION - (Cont.)

135.0	3.94	2.62	3.22	8.82	10.33	8.82	3.22	2.62	3.94	2.62
137.5	2.94	2.35	1.98	8.57	7.71	8.57	1.98	2.35	2.94	2.35
140.0	2.04	1.99	1.29	4.34	10.15	4.34	1.29	1.99	2.04	1.99
142.5	1.36	1.69	0.87	2.49	4.40	2.49	0.87	1.69	1.36	1.69
145.0	0.85	1.32	0.61	1.68	2.44	1.68	0.61	1.32	0.85	1.32
147.5	0.53	1.04	0.47	1.27	1.63	1.27	0.47	1.04	0.53	1.04
150.0	0.29	0.83	0.29	0.97	1.13	0.97	0.29	0.83	0.29	0.83
152.5	0.15	0.64	0.44	0.78	0.86	0.78	0.44	0.64	0.15	0.64
155.0	0.00	0.58	0.54	0.49	0.65	0.49	0.54	0.58	0.00	0.58
157.5	0.14	0.58	0.60	0.42	0.57	0.42	0.60	0.58	0.14	0.58
160.0	0.20	0.56	0.66	0.60	0.46	0.60	0.66	0.56	0.20	0.56
162.5	0.26	0.59	0.66	0.81	0.70	0.81	0.66	0.59	0.26	0.59
165.0	0.34	0.54	0.71	0.82	0.77	0.82	0.71	0.54	0.34	0.54
167.5	0.26	0.45	0.57	0.86	0.88	0.86	0.57	0.45	0.26	0.45
170.0	0.22	0.44	0.50	0.76	0.89	0.76	0.50	0.44	0.22	0.44
172.5	0.38	0.55	0.61	0.89	1.03	0.89	0.61	0.55	0.38	0.55
175.0	0.54	0.67	0.69	0.94	1.07	0.94	0.69	0.67	0.54	0.67
177.5	0.63	0.82	0.58	0.94	1.12	0.94	0.58	0.82	0.63	0.82
180.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75

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	9596.42	9596.42	9596.42	9596.42	9596.42	9596.42	9596.42
2.5	9546.86	9369.15	9218.35	9369.15	9546.86	9655.56	9698.43
5.0	9269.18	8919.53	8721.14	8919.53	9269.18	9583.55	9731.38
7.5	8827.56	8195.20	7959.72	8195.20	8827.56	9474.96	9774.47
10.0	8229.07	7324.67	7035.35	7324.67	8229.07	9323.45	9834.08
12.5	7530.63	6389.30	6092.53	6389.30	7530.63	9122.36	9900.14
15.0	6760.55	5468.04	5162.32	5468.04	6760.55	8870.90	9983.34
17.5	5946.47	4603.90	4308.35	4603.90	5946.47	8548.04	10080.74
20.0	5165.61	3872.31	3609.77	3872.31	5165.61	8162.55	10200.99
22.5	4410.30	3259.07	3034.94	3259.07	4410.30	7690.42	10286.19
25.0	3728.49	2744.84	2584.08	2744.84	3728.49	7145.58	10342.19
27.5	3114.72	2348.31	2227.78	2348.31	3114.72	6496.72	10309.09
30.0	2597.75	2043.36	1971.35	2043.36	2597.75	5754.04	10140.99
32.5	2177.06	1817.47	1778.67	1817.47	2177.06	4937.73	9813.68
35.0	1845.32	1636.39	1627.00	1636.39	1845.32	4059.57	9270.98
37.5	1597.22	1498.59	1498.04	1498.59	1597.22	3152.96	8582.63
40.0	1406.87	1374.80	1376.79	1374.80	1406.87	2294.14	7832.81
42.5	1249.52	1255.61	1272.44	1255.61	1249.52	1610.00	7131.93
45.0	1115.12	1143.15	1157.29	1143.15	1115.12	1178.21	6168.35
47.5	988.34	1041.52	1027.41	1041.52	988.34	932.46	4598.48
50.0	862.68	868.10	810.97	868.10	862.68	776.74	2609.35
52.5	730.97	669.69	573.39	669.69	730.97	649.24	1201.19
55.0	580.53	448.32	387.49	448.32	580.53	549.05	679.26
57.5	426.77	271.30	312.77	271.30	426.77	448.98	531.11
60.0	289.12	255.15	288.95	255.15	289.12	369.00	454.56
62.5	218.54	243.75	304.19	243.75	218.54	321.22	397.61
65.0	187.10	272.81	296.15	272.81	187.10	296.71	351.88
67.5	174.18	221.93	248.57	221.93	174.18	270.77	304.55
70.0	171.31	206.15	236.88	206.15	171.31	241.63	245.27
72.5	171.43	189.42	210.15	189.42	171.43	199.33	201.17
75.0	162.05	158.49	174.15	158.49	162.05	150.12	168.79
77.5	145.44	127.14	155.14	127.14	145.44	115.73	131.72
80.0	112.67	122.17	152.19	122.17	112.67	99.66	98.05

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

CANDELA TABULATION - (Cont.)

82.5	99.39	124.29	149.70	124.29	99.39	85.59	71.57
85.0	101.93	136.83	159.95	136.83	101.93	79.36	50.24
87.5	107.49	127.88	141.10	127.88	107.49	76.62	32.50
90.0	83.03	96.99	105.83	96.99	83.03	61.10	14.94
92.5	49.32	53.34	65.43	53.34	49.32	45.07	11.76
95.0	19.00	24.67	30.99	24.67	19.00	26.95	16.15
97.5	12.48	16.94	19.78	16.94	12.48	12.45	23.19
100.0	11.69	15.24	18.01	15.24	11.69	10.89	23.05
102.5	10.98	13.78	15.95	13.78	10.98	10.11	21.66
105.0	10.30	12.97	14.91	12.97	10.30	10.70	18.31
107.5	9.18	12.19	13.85	12.19	9.18	11.55	14.44
110.0	8.27	10.76	12.54	10.76	8.27	10.38	11.62
112.5	7.73	9.44	11.23	9.44	7.73	8.57	9.69
115.0	7.39	8.63	10.06	8.63	7.39	6.98	8.10
117.5	6.74	8.15	9.44	8.15	6.74	6.20	6.75
120.0	5.82	7.66	8.91	7.66	5.82	6.44	5.83
122.5	5.06	6.58	7.91	6.58	5.06	5.30	5.22
125.0	5.47	5.35	6.72	5.35	5.47	3.90	5.12
127.5	7.43	4.73	5.74	4.73	7.43	3.11	5.29
130.0	8.01	5.89	5.67	5.89	8.01	2.76	5.24
132.5	6.00	8.38	8.61	8.38	6.00	2.82	4.81
135.0	3.22	8.82	10.33	8.82	3.22	2.62	3.94
137.5	1.98	8.57	7.71	8.57	1.98	2.35	2.94
140.0	1.29	4.34	10.15	4.34	1.29	1.99	2.04
142.5	0.87	2.49	4.40	2.49	0.87	1.69	1.36
145.0	0.61	1.68	2.44	1.68	0.61	1.32	0.85
147.5	0.47	1.27	1.63	1.27	0.47	1.04	0.53
150.0	0.29	0.97	1.13	0.97	0.29	0.83	0.29
152.5	0.44	0.78	0.86	0.78	0.44	0.64	0.15
155.0	0.54	0.49	0.65	0.49	0.54	0.58	0.00
157.5	0.60	0.42	0.57	0.42	0.60	0.58	0.14
160.0	0.66	0.60	0.46	0.60	0.66	0.56	0.20
162.5	0.66	0.81	0.70	0.81	0.66	0.59	0.26
165.0	0.71	0.82	0.77	0.82	0.71	0.54	0.34
167.5	0.57	0.86	0.88	0.86	0.57	0.45	0.26
170.0	0.50	0.76	0.89	0.76	0.50	0.44	0.22
172.5	0.61	0.89	1.03	0.89	0.61	0.55	0.38
175.0	0.69	0.94	1.07	0.94	0.69	0.67	0.54
177.5	0.58	0.94	1.12	0.94	0.58	0.82	0.63
180.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2851.92	N.A.	29.50
0-30	5158.04	N.A.	53.40
0-40	7181.73	N.A.	74.30
0-60	9049.00	N.A.	93.70
0-80	9482.32	N.A.	98.20
0-90	9592.92	N.A.	99.30
10-90	8739.7	N.A.	90.50
20-40	4329.81	N.A.	44.80
20-50	5677.9	N.A.	58.80
40-70	2129.11	N.A.	22.00
60-80	433.32	N.A.	4.50
70-80	171.47	N.A.	1.80
80-90	110.61	N.A.	1.10
90-110	49.11	N.A.	0.50
90-120	57.32	N.A.	0.60
90-130	62.35	N.A.	0.60
90-150	67.36	N.A.	0.70
90-180	67.86	N.A.	0.70
110-180	18.75	N.A.	0.20
0-180	9660.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	853.22
10-20	1998.7
20-30	2306.12
30-40	2023.69
40-50	1348.08
50-60	519.18
60-70	261.85
70-80	171.47
80-90	110.61
90-100	35.79
100-110	13.32
110-120	8.20
120-130	5.04
130-140	3.99
140-150	1.02
150-160	0.25
160-170	0.17
170-180	0.07

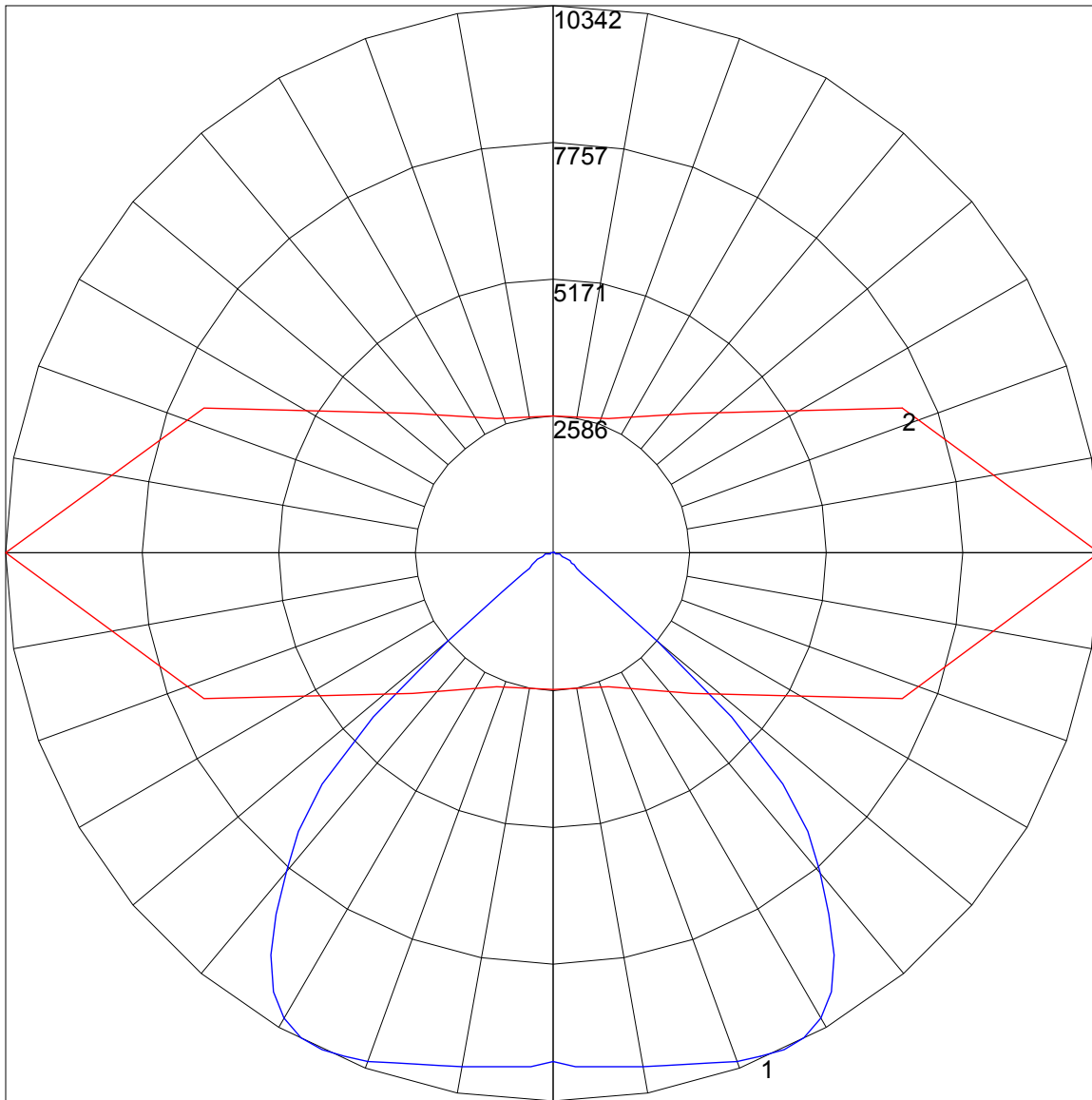
IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-A.IES

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	111	111	111	106	106	106	101	101	101	99
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	94	93	92	90
2	105	99	94	90	102	97	92	89	94	90	87	90	87	85	87	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73
4	92	83	77	72	90	82	76	71	80	74	70	77	73	69	75	72	68	67
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	70	66	63	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	66	59	54	64	58	54	63	57	54	61	57	53	52
8	73	62	55	50	71	61	55	50	60	54	50	59	53	50	58	53	49	48
9	69	58	51	47	68	57	51	47	56	50	46	55	50	46	54	49	46	44
10	65	54	48	44	64	54	48	43	53	47	43	52	47	43	51	46	43	41

POLAR GRAPH



Maximum Candela = 10342.19 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.)