

PHILIPS

PHILIPS

Day-Brite

CFI

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX08LL40-UNV-N.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-N
[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER NARROW OPTICS 10.5K RESISTOR DIRA LENS
[LAMP] LED. LUMINAIRE OUTPUT = 9696 LMS
[TESTDATE] 12/17/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9696
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	75.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	0.82
Spacing Criterion (Diagonal)	0.86
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	1265	656	602
55	1384	530	445
65	997	391	442
75	549	424	357
85	388	459	495

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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	11524.07	11524.07	11524.07	11524.07	11524.07	11524.07	11524.07	11524.07	11524.07	11524.07
2.5	11510.57	11511.67	11513.37	11474.07	11409.57	11474.07	11513.37	11511.67	11510.57	11511.67
5.0	11501.07	11466.17	11428.42	11328.12	11250.22	11328.12	11428.42	11466.17	11501.07	11466.17
7.5	11478.32	11400.67	11265.62	11071.32	10999.77	11071.32	11265.62	11400.67	11478.32	11400.67
10.0	11396.82	11294.22	11019.17	10747.67	10626.67	10747.67	11019.17	11294.22	11396.82	11294.22
12.5	11229.77	11092.92	10702.27	10279.87	10133.97	10279.87	10702.27	11092.92	11229.77	11092.92
15.0	10954.22	10777.07	10263.56	9733.42	9533.67	9733.42	10263.56	10777.07	10954.22	10777.07
17.5	10557.27	10334.07	9688.28	9065.74	8826.21	9065.74	9688.28	10334.07	10557.27	10334.07
20.0	10053.66	9762.36	8987.18	8241.05	7990.86	8241.05	8987.18	9762.36	10053.66	9762.36
22.5	9434.80	9067.80	8162.10	7285.32	7016.96	7285.32	8162.10	9067.80	9434.80	9067.80
25.0	8653.64	8250.99	7228.63	6260.64	5955.37	6260.64	7228.63	8250.99	8653.64	8250.99
27.5	7568.71	7231.13	6172.37	5209.15	4900.54	5209.15	6172.37	7231.13	7568.71	7231.13
30.0	6122.38	5849.18	4953.01	4113.77	3883.78	4113.77	4953.01	5849.18	6122.38	5849.18
32.5	4360.33	4200.31	3615.21	3004.04	2879.15	3004.04	3615.21	4200.31	4360.33	4200.31
35.0	2798.58	2654.83	2297.64	1964.91	1899.62	1964.91	2297.64	2654.83	2798.58	2654.83
37.5	1617.66	1423.83	1255.28	1110.24	1106.19	1110.24	1255.28	1423.83	1617.66	1423.83
40.0	953.47	728.69	656.90	582.81	611.56	582.81	656.90	728.69	953.47	728.69
42.5	619.34	428.93	398.07	365.14	371.94	365.14	398.07	428.93	619.34	428.93
45.0	506.01	330.88	319.95	305.80	300.47	305.80	319.95	330.88	506.01	330.88
47.5	467.77	300.35	294.58	279.88	273.89	279.88	294.58	300.35	467.77	300.35
50.0	441.08	279.77	273.99	256.60	249.99	256.60	273.99	279.77	441.08	279.77
52.5	454.84	259.75	253.95	233.53	221.15	233.53	253.95	259.75	454.84	259.75
55.0	469.06	242.82	233.16	203.45	202.11	203.45	233.16	242.82	469.06	242.82
57.5	418.49	228.26	213.05	190.04	192.48	190.04	213.05	228.26	418.49	228.26
60.0	341.68	208.51	189.65	183.12	194.26	183.12	189.65	208.51	341.68	208.51
62.5	309.17	187.78	163.26	185.01	185.40	185.01	163.26	187.78	309.17	187.78
65.0	266.91	170.59	148.45	174.32	174.53	174.32	148.45	170.59	266.91	170.59
67.5	196.95	149.46	141.64	163.94	163.02	163.94	141.64	149.46	196.95	149.46
70.0	138.20	126.38	144.07	152.43	151.51	152.43	144.07	126.38	138.20	126.38
72.5	113.28	103.60	138.33	140.65	139.53	140.65	138.33	103.60	113.28	103.60
75.0	103.28	86.53	130.48	123.22	115.65	123.22	130.48	86.53	103.28	86.53
77.5	98.74	78.28	119.80	95.41	97.10	95.41	119.80	78.28	98.74	78.28
80.0	83.63	72.51	93.64	94.74	105.23	94.74	93.64	72.51	83.63	72.51
82.5	63.87	72.26	91.96	112.28	114.90	112.28	91.96	72.26	63.87	72.26
85.0	39.92	72.27	103.95	122.48	120.30	122.48	103.95	72.27	39.92	72.27
87.5	23.34	76.93	122.00	119.12	113.15	119.12	122.00	76.93	23.34	76.93
90.0	10.48	64.24	106.83	91.83	81.67	91.83	106.83	64.24	10.48	64.24
92.5	8.99	65.84	66.74	50.38	47.86	50.38	66.74	65.84	8.99	65.84
95.0	17.64	39.13	23.04	19.32	20.66	19.32	23.04	39.13	17.64	39.13
97.5	26.14	11.54	11.51	14.26	14.98	14.26	11.51	11.54	26.14	11.54
100.0	20.66	8.92	10.72	12.81	13.57	12.81	10.72	8.92	20.66	8.92
102.5	15.41	8.33	10.22	11.92	12.43	11.92	10.22	8.33	15.41	8.33
105.0	10.99	8.29	9.72	11.61	12.17	11.61	9.72	8.29	10.99	8.29
107.5	7.79	8.17	8.35	10.76	11.39	10.76	8.35	8.17	7.79	8.17
110.0	5.78	6.81	7.29	9.24	10.11	9.24	7.29	6.81	5.78	6.81
112.5	4.66	5.43	6.77	7.71	8.53	7.71	6.77	5.43	4.66	5.43
115.0	3.64	4.34	6.53	6.83	7.30	6.83	6.53	4.34	3.64	4.34
117.5	2.70	4.21	5.97	6.56	6.84	6.56	5.97	4.21	2.70	4.21
120.0	1.89	4.87	4.92	6.16	6.54	6.16	4.92	4.87	1.89	4.87
122.5	1.16	2.86	4.17	5.23	5.75	5.23	4.17	2.86	1.16	2.86
125.0	0.56	1.23	4.41	4.19	4.79	4.19	4.41	1.23	0.56	1.23
127.5	0.21	0.42	8.10	3.71	4.17	3.71	8.10	0.42	0.21	0.42
130.0	0.03	0.05	8.65	4.03	3.98	4.03	8.65	0.05	0.03	0.05
132.5	0.01	0.01	4.41	6.75	5.33	6.75	4.41	0.01	0.01	0.01

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PHOTOMETRIC FILENAME : APX08LL40-UNV-N.IES

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135.0	0.12	0.00	2.73	9.37	8.34	9.37	2.73	0.00	0.12	0.00
137.5	0.16	0.11	1.92	5.90	8.41	5.90	1.92	0.11	0.16	0.11
140.0	0.16	0.24	1.55	3.91	5.46	3.91	1.55	0.24	0.16	0.24
142.5	0.26	0.36	1.22	3.02	3.84	3.02	1.22	0.36	0.26	0.36
145.0	0.42	0.46	1.09	2.59	3.08	2.59	1.09	0.46	0.42	0.46
147.5	0.52	0.60	1.07	2.35	2.67	2.35	1.07	0.60	0.52	0.60
150.0	0.65	0.74	0.85	2.15	2.43	2.15	0.85	0.74	0.65	0.74
152.5	0.82	0.87	1.06	1.91	2.17	1.91	1.06	0.87	0.82	0.87
155.0	1.05	1.21	1.31	1.72	2.02	1.72	1.31	1.21	1.05	1.21
157.5	1.39	1.51	1.58	1.68	1.97	1.68	1.58	1.51	1.39	1.51
160.0	1.74	1.83	1.90	1.94	2.06	1.94	1.90	1.83	1.74	1.83
162.5	2.04	2.16	2.20	2.29	2.34	2.29	2.20	2.16	2.04	2.16
165.0	2.36	2.43	2.49	2.60	2.63	2.60	2.49	2.43	2.36	2.43
167.5	2.50	2.58	2.59	2.82	2.92	2.82	2.59	2.58	2.50	2.58
170.0	2.75	2.72	2.78	3.10	3.17	3.10	2.78	2.72	2.75	2.72
172.5	3.14	3.11	3.13	3.37	3.47	3.37	3.13	3.11	3.14	3.11
175.0	3.40	3.44	3.36	3.61	3.73	3.61	3.36	3.44	3.40	3.44
177.5	3.63	3.68	3.41	3.70	3.88	3.70	3.41	3.68	3.63	3.68
180.0	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65

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	11524.07	11524.07	11524.07	11524.07	11524.07	11524.07	11524.07
2.5	11513.37	11474.07	11409.57	11474.07	11513.37	11511.67	11510.57
5.0	11428.42	11328.12	11250.22	11328.12	11428.42	11466.17	11501.07
7.5	11265.62	11071.32	10999.77	11071.32	11265.62	11400.67	11478.32
10.0	11019.17	10747.67	10626.67	10747.67	11019.17	11294.22	11396.82
12.5	10702.27	10279.87	10133.97	10279.87	10702.27	11092.92	11229.77
15.0	10263.56	9733.42	9533.67	9733.42	10263.56	10777.07	10954.22
17.5	9688.28	9065.74	8826.21	9065.74	9688.28	10334.07	10557.27
20.0	8987.18	8241.05	7990.86	8241.05	8987.18	9762.36	10053.66
22.5	8162.10	7285.32	7016.96	7285.32	8162.10	9067.80	9434.80
25.0	7228.63	6260.64	5955.37	6260.64	7228.63	8250.99	8653.64
27.5	6172.37	5209.15	4900.54	5209.15	6172.37	7231.13	7568.71
30.0	4953.01	4113.77	3883.78	4113.77	4953.01	5849.18	6122.38
32.5	3615.21	3004.04	2879.15	3004.04	3615.21	4200.31	4360.33
35.0	2297.64	1964.91	1899.62	1964.91	2297.64	2654.83	2798.58
37.5	1255.28	1110.24	1106.19	1110.24	1255.28	1423.83	1617.66
40.0	656.90	582.81	611.56	582.81	656.90	728.69	953.47
42.5	398.07	365.14	371.94	365.14	398.07	428.93	619.34
45.0	319.95	305.80	300.47	305.80	319.95	330.88	506.01
47.5	294.58	279.88	273.89	279.88	294.58	300.35	467.77
50.0	273.99	256.60	249.99	256.60	273.99	279.77	441.08
52.5	253.95	233.53	221.15	233.53	253.95	259.75	454.84
55.0	233.16	203.45	202.11	203.45	233.16	242.82	469.06
57.5	213.05	190.04	192.48	190.04	213.05	228.26	418.49
60.0	189.65	183.12	194.26	183.12	189.65	208.51	341.68
62.5	163.26	185.01	185.40	185.01	163.26	187.78	309.17
65.0	148.45	174.32	174.53	174.32	148.45	170.59	266.91
67.5	141.64	163.94	163.02	163.94	141.64	149.46	196.95
70.0	144.07	152.43	151.51	152.43	144.07	126.38	138.20
72.5	138.33	140.65	139.53	140.65	138.33	103.60	113.28
75.0	130.48	123.22	115.65	123.22	130.48	86.53	103.28
77.5	119.80	95.41	97.10	95.41	119.80	78.28	98.74
80.0	93.64	94.74	105.23	94.74	93.64	72.51	83.63

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CANDELA TABULATION - (Cont.)

82.5	91.96	112.28	114.90	112.28	91.96	72.26	63.87
85.0	103.95	122.48	120.30	122.48	103.95	72.27	39.92
87.5	122.00	119.12	113.15	119.12	122.00	76.93	23.34
90.0	106.83	91.83	81.67	91.83	106.83	64.24	10.48
92.5	66.74	50.38	47.86	50.38	66.74	65.84	8.99
95.0	23.04	19.32	20.66	19.32	23.04	39.13	17.64
97.5	11.51	14.26	14.98	14.26	11.51	11.54	26.14
100.0	10.72	12.81	13.57	12.81	10.72	8.92	20.66
102.5	10.22	11.92	12.43	11.92	10.22	8.33	15.41
105.0	9.72	11.61	12.17	11.61	9.72	8.29	10.99
107.5	8.35	10.76	11.39	10.76	8.35	8.17	7.79
110.0	7.29	9.24	10.11	9.24	7.29	6.81	5.78
112.5	6.77	7.71	8.53	7.71	6.77	5.43	4.66
115.0	6.53	6.83	7.30	6.83	6.53	4.34	3.64
117.5	5.97	6.56	6.84	6.56	5.97	4.21	2.70
120.0	4.92	6.16	6.54	6.16	4.92	4.87	1.89
122.5	4.17	5.23	5.75	5.23	4.17	2.86	1.16
125.0	4.41	4.19	4.79	4.19	4.41	1.23	0.56
127.5	8.10	3.71	4.17	3.71	8.10	0.42	0.21
130.0	8.65	4.03	3.98	4.03	8.65	0.05	0.03
132.5	4.41	6.75	5.33	6.75	4.41	0.01	0.01
135.0	2.73	9.37	8.34	9.37	2.73	0.00	0.12
137.5	1.92	5.90	8.41	5.90	1.92	0.11	0.16
140.0	1.55	3.91	5.46	3.91	1.55	0.24	0.16
142.5	1.22	3.02	3.84	3.02	1.22	0.36	0.26
145.0	1.09	2.59	3.08	2.59	1.09	0.46	0.42
147.5	1.07	2.35	2.67	2.35	1.07	0.60	0.52
150.0	0.85	2.15	2.43	2.15	0.85	0.74	0.65
152.5	1.06	1.91	2.17	1.91	1.06	0.87	0.82
155.0	1.31	1.72	2.02	1.72	1.31	1.21	1.05
157.5	1.58	1.68	1.97	1.68	1.58	1.51	1.39
160.0	1.90	1.94	2.06	1.94	1.90	1.83	1.74
162.5	2.20	2.29	2.34	2.29	2.20	2.16	2.04
165.0	2.49	2.60	2.63	2.60	2.49	2.43	2.36
167.5	2.59	2.82	2.92	2.82	2.59	2.58	2.50
170.0	2.78	3.10	3.17	3.10	2.78	2.72	2.75
172.5	3.13	3.37	3.47	3.37	3.13	3.11	3.14
175.0	3.36	3.61	3.73	3.61	3.36	3.44	3.40
177.5	3.41	3.70	3.88	3.70	3.41	3.68	3.63
180.0	3.65	3.65	3.65	3.65	3.65	3.65	3.65

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3927.87	N.A.	40.50
0-30	7189.07	N.A.	74.10
0-40	8712.77	N.A.	89.90
0-60	9237.51	N.A.	95.30
0-80	9532.87	N.A.	98.30
0-90	9632.64	N.A.	99.30
10-90	8556.55	N.A.	88.30
20-40	4784.9	N.A.	49.40
20-50	5083.77	N.A.	52.40
40-70	700.53	N.A.	7.20
60-80	295.36	N.A.	3.00
70-80	119.57	N.A.	1.20
80-90	99.77	N.A.	1.00
90-110	48.32	N.A.	0.50
90-120	54.35	N.A.	0.60
90-130	57.73	N.A.	0.60
90-150	61.35	N.A.	0.60
90-180	63.03	N.A.	0.70
110-180	14.71	N.A.	0.20
0-180	9695.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1076.09
10-20	2851.78
20-30	3261.2
30-40	1523.7
40-50	298.87
50-60	225.87
60-70	175.79
70-80	119.57
80-90	99.77
90-100	37.53
100-110	10.79
110-120	6.03
120-130	3.38
130-140	2.63
140-150	0.99
150-160	0.69
160-170	0.68
170-180	0.31

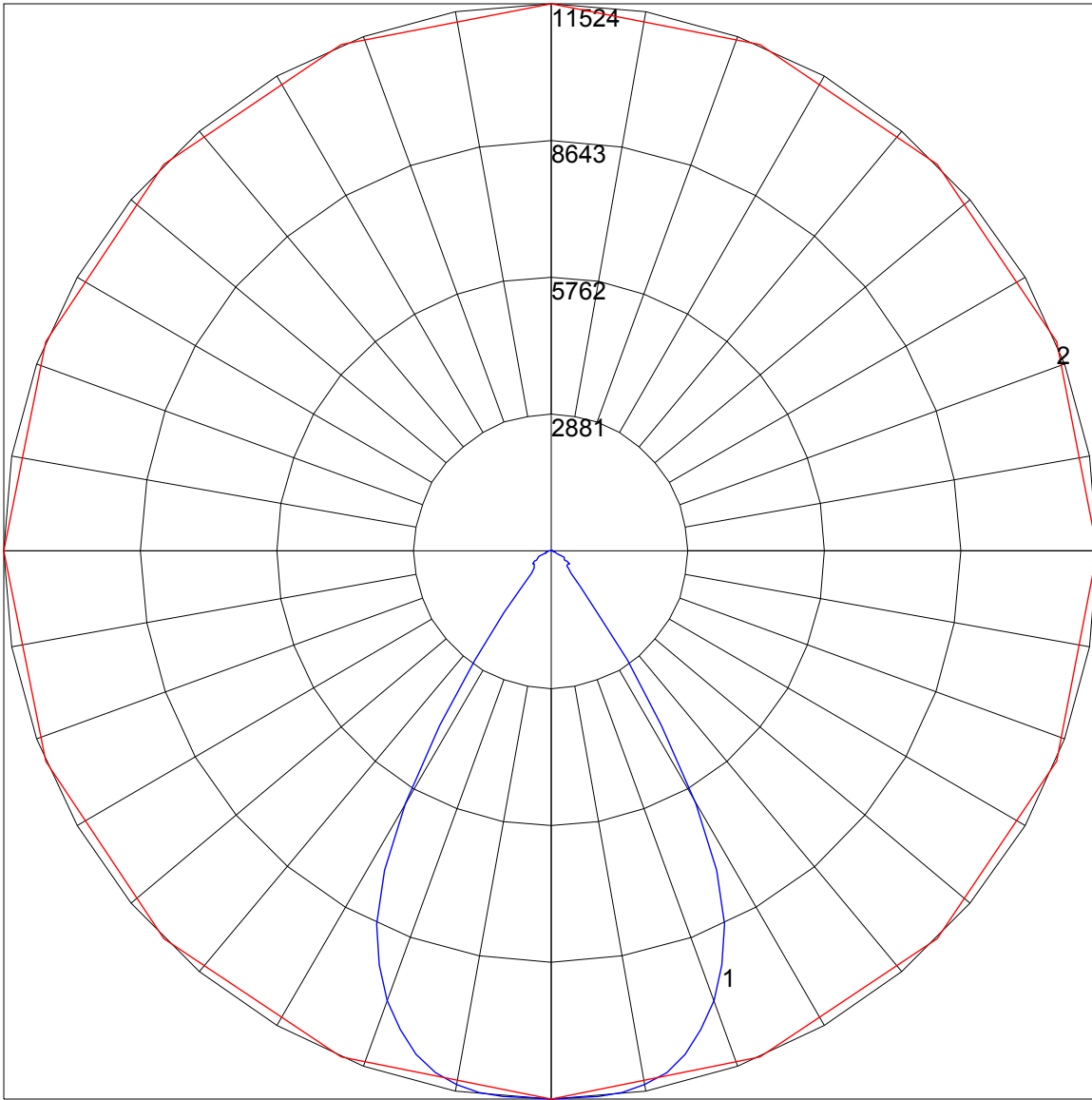
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	107	105	103	103	101	99	99	98	96	96	95	93	92
2	107	102	97	94	105	100	96	93	97	93	91	93	91	89	91	88	87	85
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	89	83	79	94	87	82	78	85	81	77	83	79	76	81	78	75	74
5	92	83	77	73	90	82	77	72	80	75	72	78	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	67	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	63	59	56	63	58	55	54
10	72	63	57	53	71	62	57	53	61	56	53	60	56	53	60	55	52	51

POLAR GRAPH



Maximum Candela = 11524.07 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.)