PHILIPS PHILIPS

Day-Brite CFI

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO33975.PSO
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 12/24/14
[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI
[LUMCAT] APX08LL40-UNV-A-LFP
[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER AISLE OPTICS 10.5K RESISTOR DP-FR50 LENS
[LAMP] LED. LUMINAIRE OUTPUT = 9382 LMS
[TESTDATE] 12/24/14

CHARACTERISTICS



Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9382
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	75.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	0.66
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	7706	2723	2240
55	4472	1720	1499
65	2678	1160	1105
75	1689	821	852
85	755	526	661

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	7523.90	7523.90	7523.90	7523.90	7523.90	7523.90	7523.90	7523.90	7523.90	7523.90
2.5	7533.77	7519.72	7492.31	7428.63	7383.73	7428.63	7492.31	7519.72	7533.77	7519.72
5.0	7524.87	7466.99	7347.65	7207.56	7126.75	7207.56	7347.65	7466.99	7524.87	7466.99
7.5	7505.59	7381.17	7108.93	6839.60	6730.80	6839.60	7108.93	7381.17	7505.59	7381.17
10.0	7472.06	7266.16	6794.16	6370.23	6226.11	6370.23	6794.16	7266.16	7472.06	7266.16
12.5	7421.78	7114.67	6409.49	5825.53	5637.62	5825.53	6409.49	7114.67	7421.78	7114.67
15.0	7349.77	6920.57	5968.74	5257.84	5025.62	5257.84	5968.74	6920.57	7349.77	6920.57
17.5	7249.08	6678.57	5488.31	4674.71	4450.27	4674.71	5488.31	6678.57	7249.08	6678.57
20.0	7110.53	6386.78	4984.95	4125.67	3899.86	4125.67	4984.95	6386.78	7110.53	6386.78
22.5	6924.51	6041.85	4474.47	3626.80	3398.86	3626.80	4474.47	6041.85	6924.51	6041.85
25.0	6682.40	5645.68	3984.21	3171.49	2971.07	3171.49	3984.21	5645.68	6682.40	5645.68
27.5	6371.47	5210.66	3516.15	2769.12	2603.87	2769.12	3516.15	5210.66	6371.47	5210.66
30.0	6009.97	4747.86	3078.27	2430.22	2282.59	2430.22	3078.27	4747.86	6009.97	4747.86
32.5	5583.25	4264.26	2684.99	2134.59	2016.35	2134.59	2684.99	4264.26	5583.25	4264.26
35.0	5113.12	3775.72	2334.26	1876.65	1790.37	1876.65	2334.26	3775.72	5113.12	3775.72
37.5	4609.80	3299.03	2021.31	1659.35	1591.19	1659.35	2021.31	3299.03	4609.80	3299.03
40.0	4095.78	2846.93	1752.12	1472.42	1416.46	1472.42	1752.12	2846.93	4095.78	2846.93
42.5	3582.37	2435.52	1525.38	1304.18	1261.87	1304.18	1525.38	2435.52	3582.37	2435.52
45.0	3082.52	2071.86	1327.23	1152.90	1118.63	1152.90	1327.23	2071.86	3082.52	2071.86
47.5	2616.48	1753.96	1153.12	1017.49	989.36	1017.49	1153.12	1753.96	2616.48	1753.96
50.0	2195.14	1480.66	1001.89	894.14	875.04	894.14	1001.89	1480.66	2195.14	1480.66
52.5	1827.92	1251.21	871.24	784.25	771.84	784.25	871.24	1251.21	1827.92	1251.21
55.0	1515.75	1059.59	757.34	689.17	680.51	689.17	757.34	1059.59	1515.75	1059.59
57.5	1257.93	900.32	660.23	607.78	604.54	607.78	660.23	900.32	1257.93	900.32
60.0	1042.09	767.50	577.12	538.53	542.76	538.53	577.12	767.50	1042.09	767.50
62.5	863.49	653.74	504.15	479.96	487.36	479.96	504.15	653.74	863.49	653.74
65.0	716.70	556.20	440.68	428.41	436.34	428.41	440.68	556.20	716.70	556.20
67.5	593.98	472.80	385.96	380.09	389.61	380.09	385.96	472.80	593.98	472.80
70.0	489.35	399.63	337.67	336.85	347.50	336.85	337.67	399.63	489.35	399.63
72.5	397.69	334.59	293.42	298.89	309.90	298.89	293.42	334.59	397.69	334.59
75.0	317.76	275.35	252.72	263.21	275.91	263.21	252.72	275.35	317.76	275.35
77.5	245.70	221.24	215.24	229.76	244.26	229.76	215.24	221.24	245.70	221.24
80.0	181.22	171.18	179.89	199.55	214.52	199.55	179.89	171.18	181.22	171.18
82.5	124.23	126.22	147.09	171.16	186.93	171.16	147.09	126.22	124.23	126.22
85.0	77.74	89.45	118.97	144.45	160.58	144.45	118.97	89.45	77.74	89.45
87.5	45.08	64.47	97.92	122.65	137.16	122.65	97.92	64.47	45.08	64.47
90.0	31.54	48.59	79.52	102.18	114.23	102.18	79.52	48.59	31.54	48.59
92.5	28.99	40.29	64.80	83.42	93.77	83.42	64.80	40.29	28.99	40.29
95.0	27.63	36.31	54.38	68.59	76.85	68.59	54.38	36.31	27.63	36.31
97.5	26.60	32.84	47.68	58.59	64.37	58.59	47.68	32.84	26.60	32.84
100.0	25.66	29.81	42.89	51.99	56.24	51.99	42.89	29.81	25.66	29.81
102.5	24.33	27.18	39.25	47.72	51.24	47.72	39.25	27.18	24.33	27.18
105.0	22.66	24.77	36.42	44.96	48.14	44.96	36.42	24.77	22.66	24.77
107.5	20.87	22.57	33.94	42.53	45.80	42.53	33.94	22.57	20.87	22.57
110.0	18.85	20.30	31.62	40.39	43.70	40.39	31.62	20.30	18.85	20.30
112.5	16.85	17.99	29.35	38.24	41.62	38.24	29.35	17.99	16.85	17.99
115.0	14.77	15.60	27.04	35.90	39.36	35.90	27.04	15.60	14.77	15.60
117.5	12.86	13.32	24.67	33.57	37.11	33.57	24.67	13.32	12.86	13.32
120.0	11.13	11.08	22.37	31.33	34.85	31.33	22.37	11.08	11.13	11.08
122.5	9.51	9.10	19.97	28.93	32.26	28.93	19.97	9.10	9.51	9.10
125.0	8.10	7.38	17.64	26.19	29.71	26.19	17.64	7.38	8.10	7.38
127.5	6.77	5.67	15.19	23.81	27.42	23.81	15.19	5.67	6.77	5.67
130.0	5.63	4.31	12.85	21.45	24.76	21.45	12.85	4.31	5.63	4.31
132.5	4.68	3.64	10.68	18.95	22.08	18.95	10.68	3.64	4.68	3.64

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CANDELA TABULATION - (Cont.)

135.0	3.85	2.96	8.57	16.41	19.38	16.41	8.57	2.96	3.85	2.96
137.5	3.09	2.44	6.55	13.98	16.78	13.98	6.55	2.44	3.09	2.44
140.0	2.33	1.88	4.69	11.57	13.98	11.57	4.69	1.88	2.33	1.88
142.5	1.67	1.38	3.18	9.28	11.58	9.28	3.18	1.38	1.67	1.38
145.0	1.09	0.99	1.91	7.22	9.18	7.22	1.91	0.99	1.09	0.99
147.5	0.71	0.68	0.93	5.32	7.03	5.32	0.93	0.68	0.71	0.68
150.0	0.31	0.40	0.25	3.59	5.01	3.59	0.25	0.40	0.31	0.40
152.5	0.09	0.21	0.37	2.07	3.26	2.07	0.37	0.21	0.09	0.21
155.0	0.00	0.23	0.40	0.88	1.78	0.88	0.40	0.23	0.00	0.23
157.5	0.02	0.28	0.43	0.44	0.84	0.44	0.43	0.28	0.02	0.28
160.0	0.17	0.37	0.54	0.54	0.54	0.54	0.54	0.37	0.17	0.37
162.5	0.22	0.41	0.59	0.60	0.67	0.60	0.59	0.41	0.22	0.41
165.0	0.28	0.44	0.63	0.68	0.64	0.68	0.63	0.44	0.28	0.44
167.5	0.21	0.31	0.48	0.67	0.71	0.67	0.48	0.31	0.21	0.31
170.0	0.24	0.35	0.47	0.67	0.73	0.67	0.47	0.35	0.24	0.35
172.5	0.37	0.47	0.59	0.72	0.90	0.72	0.59	0.47	0.37	0.47
175.0	0.49	0.60	0.62	0.81	0.98	0.81	0.62	0.60	0.49	0.60
177.5	0.61	0.69	0.57	0.87	1.01	0.87	0.57	0.69	0.61	0.69
180.0	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	7523.90	7523.90	7523.90	7523.90	7523.90	7523.90	7523.90
2.5	7492.31	7428.63	7383.73	7428.63	7492.31	7519.72	7533.77
5.0	7347.65	7207.56	7126.75	7207.56	7347.65	7466.99	7524.87
7.5	7108.93	6839.60	6730.80	6839.60	7108.93	7381.17	7505.59
10.0	6794.16	6370.23	6226.11	6370.23	6794.16	7266.16	7472.06
12.5	6409.49	5825.53	5637.62	5825.53	6409.49	7114.67	7421.78
15.0	5968.74	5257.84	5025.62	5257.84	5968.74	6920.57	7349.77
17.5	5488.31	4674.71	4450.27	4674.71	5488.31	6678.57	7249.08
20.0	4984.95	4125.67	3899.86	4125.67	4984.95	6386.78	7110.53
22.5	4474.47	3626.80	3398.86	3626.80	4474.47	6041.85	6924.51
25.0	3984.21	3171.49	2971.07	3171.49	3984.21	5645.68	6682.40
27.5	3516.15	2769.12	2603.87	2769.12	3516.15	5210.66	6371.47
30.0	3078.27	2430.22	2282.59	2430.22	3078.27	4747.86	6009.97
32.5	2684.99	2134.59	2016.35	2134.59	2684.99	4264.26	5583.25
35.0	2334.26	1876.65	1790.37	1876.65	2334.26	3775.72	5113.12
37.5	2021.31	1659.35	1591.19	1659.35	2021.31	3299.03	4609.80
40.0	1752.12	1472.42	1416.46	1472.42	1752.12	2846.93	4095.78
42.5	1525.38	1304.18	1261.87	1304.18	1525.38	2435.52	3582.37
45.0	1327.23	1152.90	1118.63	1152.90	1327.23	2071.86	3082.52
47.5	1153.12	1017.49	989.36	1017.49	1153.12	1753.96	2616.48
50.0	1001.89	894.14	875.04	894.14	1001.89	1480.66	2195.14
52.5	871.24	784.25	771.84	784.25	871.24	1251.21	1827.92
55.0	757.34	689.17	680.51	689.17	757.34	1059.59	1515.75
57.5	660.23	607.78	604.54	607.78	660.23	900.32	1257.93
60.0	577.12	538.53	542.76	538.53	577.12	767.50	1042.09
62.5	504.15	479.96	487.36	479.96	504.15	653.74	863.49
65.0	440.68	428.41	436.34	428.41	440.68	556.20	716.70
67.5	385.96	380.09	389.61	380.09	385.96	472.80	593.98
70.0	337.67	336.85	347.50	336.85	337.67	399.63	489.35
72.5	293.42	298.89	309.90	298.89	293.42	334.59	397.69
75.0	252.72	263.21	275.91	263.21	252.72	275.35	317.76
77.5	215.24	229.76	244.26	229.76	215.24	221.24	245.70
80.0	179.89	199.55	214.52	199.55	179.89	171.18	181.22

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CANDELA TABULATION - (Cont.)

82.5	147.09	171.16	186.93	171.16	147.09	126.22	124.23
85.0	118.97	144.45	160.58	144.45	118.97	89.45	77.74
87.5	97.92	122.65	137.16	122.65	97.92	64.47	45.08
90.0	79.52	102.18	114.23	102.18	79.52	48.59	31.54
92.5	64.80	83.42	93.77	83.42	64.80	40.29	28.99
95.0	54.38	68.59	76.85	68.59	54.38	36.31	27.63
97.5	47.68	58.59	64.37	58.59	47.68	32.84	26.60
100.0	42.89	51.99	56.24	51.99	42.89	29.81	25.66
102.5	39.25	47.72	51.24	47.72	39.25	27.18	24.33
105.0	36.42	44.96	48.14	44.96	36.42	24.77	22.66
107.5	33.94	42.53	45.80	42.53	33.94	22.57	20.87
110.0	31.62	40.39	43.70	40.39	31.62	20.30	18.85
112.5	29.35	38.24	41.62	38.24	29.35	17.99	16.85
115.0	27.04	35.90	39.36	35.90	27.04	15.60	14.77
117.5	24.67	33.57	37.11	33.57	24.67	13.32	12.86
120.0	22.37	31.33	34.85	31.33	22.37	11.08	11.13
122.5	19.97	28.93	32.26	28.93	19.97	9.10	9.51
125.0	17.64	26.19	29.71	26.19	17.64	7.38	8.10
127.5	15.19	23.81	27.42	23.81	15.19	5.67	6.77
130.0	12.85	21.45	24.76	21.45	12.85	4.31	5.63
132.5	10.68	18.95	22.08	18.95	10.68	3.64	4.68
135.0	8.57	16.41	19.38	16.41	8.57	2.96	3.85
137.5	6.55	13.98	16.78	13.98	6.55	2.44	3.09
140.0	4.69	11.57	13.98	11.57	4.69	1.88	2.33
142.5	3.18	9.28	11.58	9.28	3.18	1.38	1.67
145.0	1.91	7.22	9.18	7.22	1.91	0.99	1.09
147.5	0.93	5.32	7.03	5.32	0.93	0.68	0.71
150.0	0.25	3.59	5.01	3.59	0.25	0.40	0.31
152.5	0.37	2.07	3.26	2.07	0.37	0.21	0.09
155.0	0.40	0.88	1.78	0.88	0.40	0.23	0.00
157.5	0.43	0.44	0.84	0.44	0.43	0.28	0.02
160.0	0.54	0.54	0.54	0.54	0.54	0.37	0.17
162.5	0.59	0.60	0.67	0.60	0.59	0.41	0.22
165.0	0.63	0.68	0.64	0.68	0.63	0.44	0.28
167.5	0.48	0.67	0.71	0.67	0.48	0.31	0.21
170.0	0.47	0.67	0.73	0.67	0.47	0.35	0.24
172.5	0.59	0.72	0.90	0.72	0.59	0.47	0.37
175.0	0.62	0.81	0.98	0.81	0.62	0.60	0.49
177.5	0.57	0.87	1.01	0.87	0.57	0.69	0.61
180.0	0.72	0.72	0.72	0.72	0.72	0.72	0.72

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2380.29	N.A.	25.40
0-30	4400.83	N.A.	46.90
0-40	6190.48	N.A.	66.00
0-60	8303.65	N.A.	88.50
0-80	9096.39	N.A.	97.00
0-90	9230.86	N.A.	98.40
10-90	8547.13	N.A.	91.10
20-40	3810.19	N.A.	40.60
20-50	5103.66	N.A.	54.40
40-70	2615.68	N.A.	27.90
60-80	792.74	N.A.	8.40
70-80	290.24	N.A.	3.10
80-90	134.47	N.A.	1.40
90-110	97.84	N.A.	1.00
90-120	124.11	N.A.	1.30
90-130	139.98	N.A.	1.50
90-150	150.29	N.A.	1.60
90-180	150.88	N.A.	1.60
110-180	53.04	N.A.	0.60
0-180	9381.74	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	683.73
10-20	1696.55
20-30	2020.54
30-40	1789.65
40-50	1293.47
50-60	819.71
60-70	502.50
70-80	290.24
80-90	134.47
90-100	60.08
100-110	37.76
110-120	26.28
120-130	15.86
130-140	7.78
140-150	2.54
150-160	0.38
160-170	0.14
170-180	0.06

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

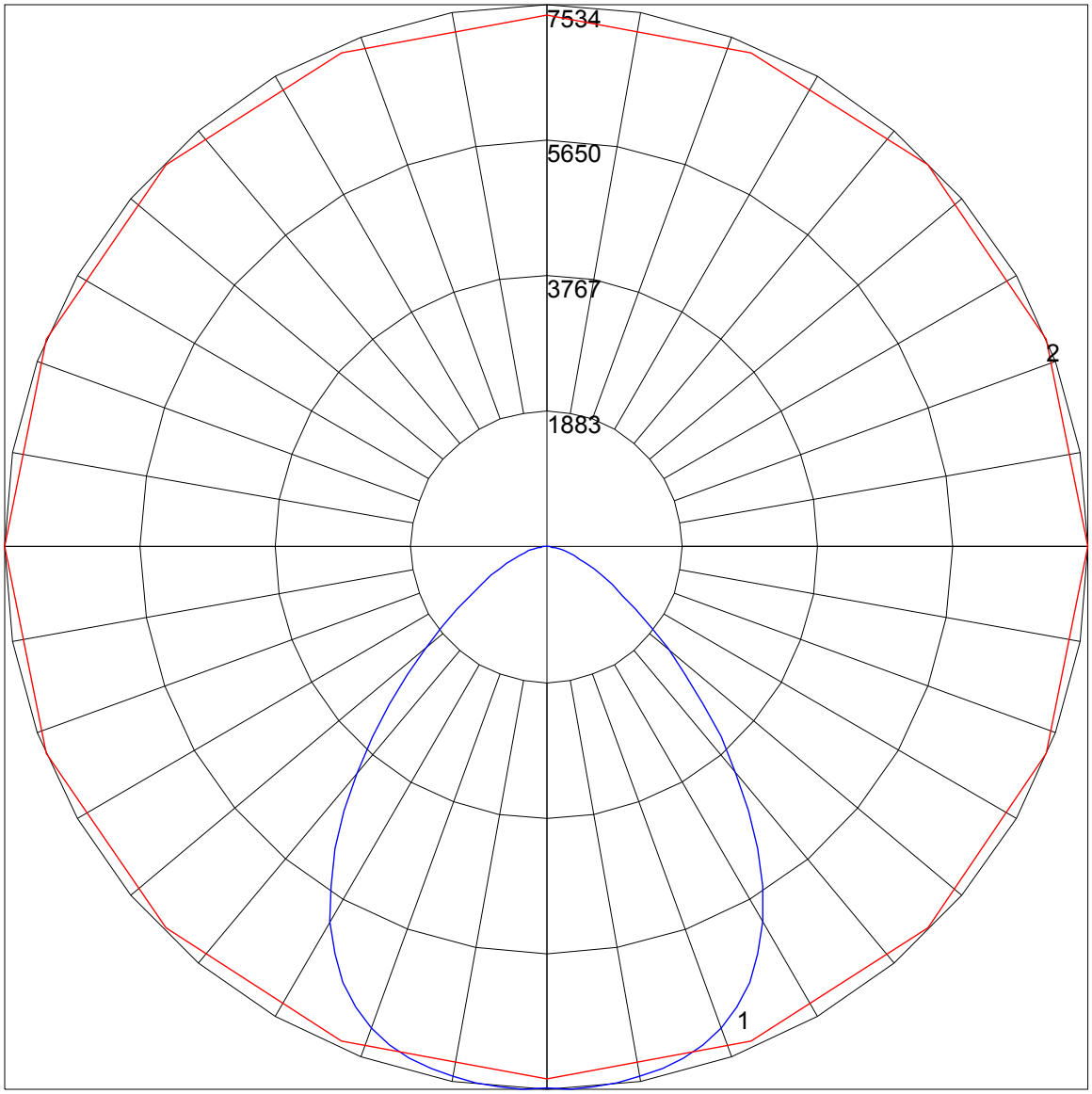
Effective Floor Cavity Reflectance 0.20

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	110	110	110	105	105	105	101	101	101	98
1	111	107	103	100	108	104	101	99	100	97	95	96	94	92	92	91	89	87
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79	77
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	74	70	69
4	89	80	72	67	87	78	72	66	76	70	65	73	68	64	71	67	63	62
5	84	73	65	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56
6	78	67	60	54	77	66	59	54	64	58	53	63	57	53	61	56	52	51
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39
10	62	50	44	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

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Results derived from content of manufacturers photometric file.

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

POLAR GRAPH



Maximum Candela = 7533.77 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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