PHILIPS PHILIPS

Day-Brite CFI

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO33965.PSO
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 12/23/14
[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI
[LUMCAT] APX08LL40-UNV-W-LFP
[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER WIDE OPTICS 10.5K RESISTOR DP-FR50 LENS
[LAMP] LED. LUMINAIRE OUTPUT = 9335 LMS
[TESTDATE] 12/23/14

CHARACTERISTICS



Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9335
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	75.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.68
Spacing Criterion (Diagonal)	1.60
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	5464	4913	5038
55	4218	3653	3687
65	2974	2394	2662
75	1935	1487	1583
85	826	785	896

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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	2554.58	2554.58	2554.58	2554.58	2554.58	2554.58	2554.58	2554.58	2554.58	2554.58
2.5	2557.55	2559.12	2564.90	2567.24	2569.71	2567.24	2564.90	2559.12	2557.55	2559.12
5.0	2592.92	2591.07	2594.20	2593.62	2593.54	2593.62	2594.20	2591.07	2592.92	2591.07
7.5	2647.32	2642.03	2639.84	2633.12	2632.65	2633.12	2639.84	2642.03	2647.32	2642.03
10.0	2715.50	2709.14	2698.46	2688.79	2683.33	2688.79	2698.46	2709.14	2715.50	2709.14
12.5	2791.32	2784.93	2769.11	2749.64	2743.91	2749.64	2769.11	2784.93	2791.32	2784.93
15.0	2867.05	2862.87	2842.99	2818.36	2810.08	2818.36	2842.99	2862.87	2867.05	2862.87
17.5	2934.74	2933.60	2913.83	2887.76	2880.62	2887.76	2913.83	2933.60	2934.74	2933.60
20.0	2986.49	2989.33	2975.58	2954.10	2949.91	2954.10	2975.58	2989.33	2986.49	2989.33
22.5	3016.49	3023.43	3019.27	3013.31	3014.01	3013.31	3019.27	3023.43	3016.49	3023.43
25.0	3021.42	3034.33	3044.66	3054.89	3062.87	3054.89	3044.66	3034.33	3021.42	3034.33
27.5	2997.77	3020.16	3047.42	3076.72	3089.74	3076.72	3047.42	3020.16	2997.77	3020.16
30.0	2948.11	2979.89	3027.06	3075.49	3095.23	3075.49	3027.06	2979.89	2948.11	2979.89
32.5	2874.08	2915.63	2980.62	3043.63	3074.00	3043.63	2980.62	2915.63	2874.08	2915.63
35.0	2777.84	2829.50	2907.69	2987.00	3025.86	2987.00	2907.69	2829.50	2777.84	2829.50
37.5	2658.89	2721.65	2811.08	2906.93	2947.95	2906.93	2811.08	2721.65	2658.89	2721.65
40.0	2519.24	2590.74	2693.74	2799.35	2836.39	2799.35	2693.74	2590.74	2519.24	2590.74
42.5	2361.66	2439.57	2555.63	2659.64	2691.81	2659.64	2555.63	2439.57	2361.66	2439.57
45.0	2185.78	2272.79	2395.31	2487.51	2515.64	2487.51	2395.31	2272.79	2185.78	2272.79
47.5	1998.42	2091.31	2212.35	2293.72	2315.64	2293.72	2212.35	2091.31	1998.42	2091.31
50.0	1806.32	1900.67	2014.27	2083.12	2098.19	2083.12	2014.27	1900.67	1806.32	1900.67
52.5	1616.02	1705.39	1810.83	1864.75	1879.60	1864.75	1810.83	1705.39	1616.02	1705.39
55.0	1429.84	1515.10	1608.51	1651.89	1673.63	1651.89	1608.51	1515.10	1429.84	1515.10
57.5	1251.84	1334.67	1410.54	1458.81	1492.03	1458.81	1410.54	1334.67	1251.84	1334.67
60.0	1084.59	1162.15	1227.33	1289.99	1339.79	1289.99	1227.33	1162.15	1084.59	1162.15
62.5	933.07	1000.51	1061.29	1139.87	1198.54	1139.87	1061.29	1000.51	933.07	1000.51
65.0	795.96	855.88	909.25	1000.09	1051.28	1000.09	909.25	855.88	795.96	855.88
67.5	671.77	725.90	775.35	862.19	898.69	862.19	775.35	725.90	671.77	725.90
70.0	558.83	607.37	658.01	729.89	754.72	729.89	658.01	607.37	558.83	607.37
72.5	456.04	500.49	553.26	607.89	625.04	607.89	553.26	500.49	456.04	500.49
75.0	364.09	405.80	457.69	499.26	512.47	499.26	457.69	405.80	364.09	405.80
77.5	280.92	319.58	372.54	406.52	417.99	406.52	372.54	319.58	280.92	319.58
80.0	205.92	242.17	297.55	328.68	339.20	328.68	297.55	242.17	205.92	242.17
82.5	139.63	175.37	232.24	263.38	273.03	263.38	232.24	175.37	139.63	175.37
85.0	85.06	120.68	177.66	208.27	217.62	208.27	177.66	120.68	85.06	120.68
87.5	47.12	82.76	137.74	166.98	175.82	166.98	137.74	82.76	47.12	82.76
90.0	32.49	59.53	107.51	134.01	141.76	134.01	107.51	59.53	32.49	59.53
92.5	30.90	48.01	86.25	109.21	115.51	109.21	86.25	48.01	30.90	48.01
95.0	30.46	44.11	72.32	91.71	97.31	91.71	72.32	44.11	30.46	44.11
97.5	30.25	41.35	64.68	80.30	85.36	80.30	64.68	41.35	30.25	41.35
100.0	29.87	38.82	60.37	74.14	78.43	74.14	60.37	38.82	29.87	38.82
102.5	28.91	36.49	57.23	71.16	75.15	71.16	57.23	36.49	28.91	36.49
105.0	27.60	34.28	54.90	69.33	73.65	69.33	54.90	34.28	27.60	34.28
107.5	26.06	32.18	52.67	67.46	72.25	67.46	52.67	32.18	26.06	32.18
110.0	24.29	29.94	50.43	65.35	70.38	65.35	50.43	29.94	24.29	29.94
112.5	22.29	27.44	47.99	62.89	68.11	62.89	47.99	27.44	22.29	27.44
115.0	20.23	24.71	45.29	60.00	65.21	60.00	45.29	24.71	20.23	24.71
117.5	18.24	21.95	42.41	56.86	62.01	56.86	42.41	21.95	18.24	21.95
120.0	16.32	19.14	39.45	53.74	58.77	53.74	39.45	19.14	16.32	19.14
122.5	14.41	16.33	36.41	50.40	55.01	50.40	36.41	16.33	14.41	16.33
125.0	12.55	13.68	33.15	46.64	51.45	46.64	33.15	13.68	12.55	13.68
127.5	10.81	10.92	29.63	43.31	48.24	43.31	29.63	10.92	10.81	10.92
130.0	9.25	8.49	26.10	40.11	44.70	40.11	26.10	8.49	9.25	8.49
132.5	7.84	6.86	22.53	36.48	40.89	36.48	22.53	6.86	7.84	6.86

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CANDELA TABULATION - (Cont.)

135.0	6.54	5.65	18.74	32.71	37.01	32.71	18.74	5.65	6.54	5.65
137.5	5.36	4.58	15.03	28.73	32.98	28.73	15.03	4.58	5.36	4.58
140.0	4.28	3.59	11.43	24.72	28.73	24.72	11.43	3.59	4.28	3.59
142.5	3.26	2.69	8.10	20.49	24.40	20.49	8.10	2.69	3.26	2.69
145.0	2.38	1.88	5.04	16.36	20.06	16.36	5.04	1.88	2.38	1.88
147.5	1.58	1.21	2.55	12.33	15.71	12.33	2.55	1.21	1.58	1.21
150.0	0.95	0.65	0.79	8.54	11.56	8.54	0.79	0.65	0.95	0.65
152.5	0.45	0.25	0.58	5.03	7.56	5.03	0.58	0.25	0.45	0.25
155.0	0.09	0.14	0.45	1.89	3.98	1.89	0.45	0.14	0.09	0.14
157.5	0.08	0.14	0.33	0.72	1.61	0.72	0.33	0.14	0.08	0.14
160.0	0.12	0.15	0.26	0.53	0.69	0.53	0.26	0.15	0.12	0.15
162.5	0.11	0.13	0.20	0.34	0.45	0.34	0.20	0.13	0.11	0.13
165.0	0.12	0.12	0.12	0.22	0.26	0.22	0.12	0.12	0.12	0.12
167.5	0.05	0.03	0.05	0.11	0.13	0.11	0.05	0.03	0.05	0.03
170.0	0.04	0.01	0.00	0.05	0.06	0.05	0.00	0.01	0.04	0.01
172.5	0.11	0.06	0.01	0.05	0.06	0.05	0.01	0.06	0.11	0.06
175.0	0.16	0.13	0.03	0.05	0.06	0.05	0.03	0.13	0.16	0.13
177.5	0.21	0.19	0.03	0.07	0.10	0.07	0.03	0.19	0.21	0.19
180.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	2554.58	2554.58	2554.58	2554.58	2554.58	2554.58	2554.58
2.5	2564.90	2567.24	2569.71	2567.24	2564.90	2559.12	2557.55
5.0	2594.20	2593.62	2593.54	2593.62	2594.20	2591.07	2592.92
7.5	2639.84	2633.12	2632.65	2633.12	2639.84	2642.03	2647.32
10.0	2698.46	2688.79	2683.33	2688.79	2698.46	2709.14	2715.50
12.5	2769.11	2749.64	2743.91	2749.64	2769.11	2784.93	2791.32
15.0	2842.99	2818.36	2810.08	2818.36	2842.99	2862.87	2867.05
17.5	2913.83	2887.76	2880.62	2887.76	2913.83	2933.60	2934.74
20.0	2975.58	2954.10	2949.91	2954.10	2975.58	2989.33	2986.49
22.5	3019.27	3013.31	3014.01	3013.31	3019.27	3023.43	3016.49
25.0	3044.66	3054.89	3062.87	3054.89	3044.66	3034.33	3021.42
27.5	3047.42	3076.72	3089.74	3076.72	3047.42	3020.16	2997.77
30.0	3027.06	3075.49	3095.23	3075.49	3027.06	2979.89	2948.11
32.5	2980.62	3043.63	3074.00	3043.63	2980.62	2915.63	2874.08
35.0	2907.69	2987.00	3025.86	2987.00	2907.69	2829.50	2777.84
37.5	2811.08	2906.93	2947.95	2906.93	2811.08	2721.65	2658.89
40.0	2693.74	2799.35	2836.39	2799.35	2693.74	2590.74	2519.24
42.5	2555.63	2659.64	2691.81	2659.64	2555.63	2439.57	2361.66
45.0	2395.31	2487.51	2515.64	2487.51	2395.31	2272.79	2185.78
47.5	2212.35	2293.72	2315.64	2293.72	2212.35	2091.31	1998.42
50.0	2014.27	2083.12	2098.19	2083.12	2014.27	1900.67	1806.32
52.5	1810.83	1864.75	1879.60	1864.75	1810.83	1705.39	1616.02
55.0	1608.51	1651.89	1673.63	1651.89	1608.51	1515.10	1429.84
57.5	1410.54	1458.81	1492.03	1458.81	1410.54	1334.67	1251.84
60.0	1227.33	1289.99	1339.79	1289.99	1227.33	1162.15	1084.59
62.5	1061.29	1139.87	1198.54	1139.87	1061.29	1000.51	933.07
65.0	909.25	1000.09	1051.28	1000.09	909.25	855.88	795.96
67.5	775.35	862.19	898.69	862.19	775.35	725.90	671.77
70.0	658.01	729.89	754.72	729.89	658.01	607.37	558.83
72.5	553.26	607.89	625.04	607.89	553.26	500.49	456.04
75.0	457.69	499.26	512.47	499.26	457.69	405.80	364.09
77.5	372.54	406.52	417.99	406.52	372.54	319.58	280.92
80.0	297.55	328.68	339.20	328.68	297.55	242.17	205.92

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CANDELA TABULATION - (Cont.)

82.5	232.24	263.38	273.03	263.38	232.24	175.37	139.63
85.0	177.66	208.27	217.62	208.27	177.66	120.68	85.06
87.5	137.74	166.98	175.82	166.98	137.74	82.76	47.12
90.0	107.51	134.01	141.76	134.01	107.51	59.53	32.49
92.5	86.25	109.21	115.51	109.21	86.25	48.01	30.90
95.0	72.32	91.71	97.31	91.71	72.32	44.11	30.46
97.5	64.68	80.30	85.36	80.30	64.68	41.35	30.25
100.0	60.37	74.14	78.43	74.14	60.37	38.82	29.87
102.5	57.23	71.16	75.15	71.16	57.23	36.49	28.91
105.0	54.90	69.33	73.65	69.33	54.90	34.28	27.60
107.5	52.67	67.46	72.25	67.46	52.67	32.18	26.06
110.0	50.43	65.35	70.38	65.35	50.43	29.94	24.29
112.5	47.99	62.89	68.11	62.89	47.99	27.44	22.29
115.0	45.29	60.00	65.21	60.00	45.29	24.71	20.23
117.5	42.41	56.86	62.01	56.86	42.41	21.95	18.24
120.0	39.45	53.74	58.77	53.74	39.45	19.14	16.32
122.5	36.41	50.40	55.01	50.40	36.41	16.33	14.41
125.0	33.15	46.64	51.45	46.64	33.15	13.68	12.55
127.5	29.63	43.31	48.24	43.31	29.63	10.92	10.81
130.0	26.10	40.11	44.70	40.11	26.10	8.49	9.25
132.5	22.53	36.48	40.89	36.48	22.53	6.86	7.84
135.0	18.74	32.71	37.01	32.71	18.74	5.65	6.54
137.5	15.03	28.73	32.98	28.73	15.03	4.58	5.36
140.0	11.43	24.72	28.73	24.72	11.43	3.59	4.28
142.5	8.10	20.49	24.40	20.49	8.10	2.69	3.26
145.0	5.04	16.36	20.06	16.36	5.04	1.88	2.38
147.5	2.55	12.33	15.71	12.33	2.55	1.21	1.58
150.0	0.79	8.54	11.56	8.54	0.79	0.65	0.95
152.5	0.58	5.03	7.56	5.03	0.58	0.25	0.45
155.0	0.45	1.89	3.98	1.89	0.45	0.14	0.09
157.5	0.33	0.72	1.61	0.72	0.33	0.14	0.08
160.0	0.26	0.53	0.69	0.53	0.26	0.15	0.12
162.5	0.20	0.34	0.45	0.34	0.20	0.13	0.11
165.0	0.12	0.22	0.26	0.22	0.12	0.12	0.12
167.5	0.05	0.11	0.13	0.11	0.05	0.03	0.05
170.0	0.00	0.05	0.06	0.05	0.00	0.01	0.04
172.5	0.01	0.05	0.06	0.05	0.01	0.06	0.11
175.0	0.03	0.05	0.06	0.05	0.03	0.13	0.16
177.5	0.03	0.07	0.10	0.07	0.03	0.19	0.21
180.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1059.57	N.A.	11.40
0-30	2461.4	N.A.	26.40
0-40	4271.85	N.A.	45.80
0-60	7514.54	N.A.	80.50
0-80	8918.31	N.A.	95.50
0-90	9108.91	N.A.	97.60
10-90	8858.01	N.A.	94.90
20-40	3212.27	N.A.	34.40
20-50	5034.35	N.A.	53.90
40-70	4162.09	N.A.	44.60
60-80	1403.77	N.A.	15.00
70-80	484.37	N.A.	5.20
80-90	190.60	N.A.	2.00
90-110	133.26	N.A.	1.40
90-120	176.07	N.A.	1.90
90-130	204.35	N.A.	2.20
90-150	225.39	N.A.	2.40
90-180	226.23	N.A.	2.40
110-180	92.97	N.A.	1.00
0-180	9335.14	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	250.90
10-20	808.68
20-30	1401.82
30-40	1810.45
40-50	1822.08
50-60	1420.61
60-70	919.40
70-80	484.37
80-90	190.60
90-100	77.83
100-110	55.43
110-120	42.82
120-130	28.28
130-140	15.39
140-150	5.64
150-160	0.78
160-170	0.05
170-180	0.01

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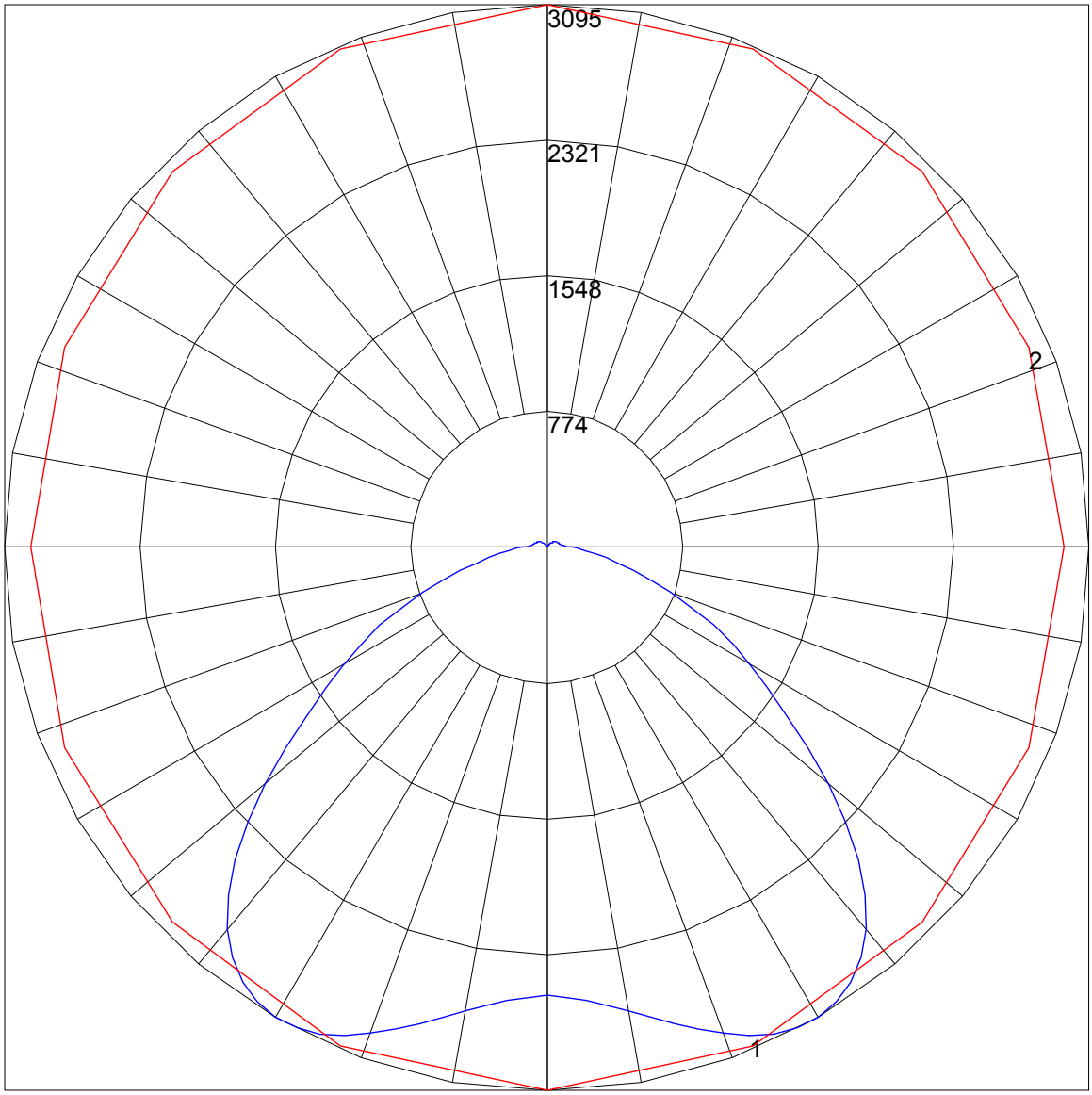
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	109	104	100	96	106	101	98	94	97	94	91	92	90	88	88	86	85	82
2	99	91	84	79	96	89	83	78	85	80	76	81	77	73	78	75	71	69
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59
4	83	71	62	56	80	70	62	55	67	60	54	64	58	53	62	57	52	50
5	76	63	55	48	74	62	54	48	60	53	47	58	51	46	56	50	46	43
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	50	44	40	38
7	65	52	43	37	63	51	43	37	49	42	36	47	41	36	46	40	35	33
8	60	47	39	33	59	46	38	33	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

POLAR GRAPH



Maximum Candela = 3095.23 Located At Horizontal Angle = 90, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

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Results derived from content of manufacturers photometric file.