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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO33950.PSO
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 12/17/14
[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI
[LUMCAT] APX08LL40-UNV-N-LFP
[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER NARROW OPTICS 10.5K RESISTOR DP-FR50 LENS
[LAMP] LED. LUMINAIRE OUTPUT = 9512 LMS
[TESTDATE] 12/17/14

CHARACTERISTICS



Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9512
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	75.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.80
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	3329	2305	1968
55	1896	1230	1087
65	1310	834	784
75	930	624	622
85	468	450	495

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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	9656.03	9656.03	9656.03	9656.03	9656.03	9656.03	9656.03	9656.03	9656.03	9656.03
2.5	9613.57	9616.24	9623.42	9605.61	9586.03	9605.61	9623.42	9616.24	9613.57	9616.24
5.0	9524.43	9511.31	9500.51	9464.34	9424.36	9464.34	9500.51	9511.31	9524.43	9511.31
7.5	9368.29	9337.82	9287.18	9205.77	9160.35	9205.77	9287.18	9337.82	9368.29	9337.82
10.0	9134.62	9095.15	8984.40	8859.75	8795.53	8859.75	8984.40	9095.15	9134.62	9095.15
12.5	8827.56	8770.15	8595.78	8400.74	8321.04	8400.74	8595.78	8770.15	8827.56	8770.15
15.0	8429.41	8362.93	8116.69	7859.61	7745.05	7859.61	8116.69	8362.93	8429.41	8362.93
17.5	7945.51	7864.75	7550.17	7238.37	7112.88	7238.37	7550.17	7864.75	7945.51	7864.75
20.0	7374.35	7279.10	6912.50	6554.90	6420.65	6554.90	6912.50	7279.10	7374.35	7279.10
22.5	6723.25	6617.35	6215.27	5828.18	5679.09	5828.18	6215.27	6617.35	6723.25	6617.35
25.0	6006.59	5901.36	5472.01	5078.68	4933.01	5078.68	5472.01	5901.36	6006.59	5901.36
27.5	5243.61	5142.32	4724.50	4341.72	4214.26	4341.72	4724.50	5142.32	5243.61	5142.32
30.0	4514.40	4386.93	3996.69	3647.01	3522.08	3647.01	3996.69	4386.93	4514.40	4386.93
32.5	3774.37	3669.19	3316.77	2999.59	2896.66	2999.59	3316.77	3669.19	3774.37	3669.19
35.0	3098.95	3006.26	2697.12	2429.59	2353.67	2429.59	2697.12	3006.26	3098.95	3006.26
37.5	2516.54	2431.04	2166.90	1953.20	1895.35	1953.20	2166.90	2431.04	2516.54	2431.04
40.0	2041.68	1947.26	1735.30	1564.09	1514.85	1564.09	1735.30	1947.26	2041.68	1947.26
42.5	1647.89	1559.97	1393.19	1253.52	1212.15	1253.52	1393.19	1559.97	1647.89	1559.97
45.0	1331.51	1257.43	1123.86	1012.20	982.68	1012.20	1123.86	1257.43	1331.51	1257.43
47.5	1091.27	1022.56	915.93	829.42	807.78	829.42	915.93	1022.56	1091.27	1022.56
50.0	905.91	842.10	757.40	691.21	671.83	691.21	757.40	842.10	905.91	842.10
52.5	760.95	702.17	636.11	585.55	570.16	585.55	636.11	702.17	760.95	702.17
55.0	642.66	594.34	541.64	503.21	493.55	503.21	541.64	594.34	642.66	594.34
57.5	549.86	508.70	467.88	439.21	432.29	439.21	467.88	508.70	549.86	508.70
60.0	473.39	439.36	408.33	389.03	383.62	389.03	408.33	439.36	473.39	439.36
62.5	408.26	380.24	359.10	347.79	344.20	347.79	359.10	380.24	408.26	380.24
65.0	350.61	329.45	316.83	311.89	309.75	311.89	316.83	329.45	350.61	329.45
67.5	300.09	284.91	280.45	279.49	277.90	279.49	280.45	284.91	300.09	284.91
70.0	255.19	244.65	248.05	250.83	249.79	250.83	248.05	244.65	255.19	244.65
72.5	213.48	208.80	218.95	225.09	225.04	225.09	218.95	208.80	213.48	208.80
75.0	175.04	175.36	191.96	200.84	201.39	200.84	191.96	175.36	175.04	175.36
77.5	138.54	143.98	166.61	177.76	178.95	177.76	166.61	143.98	138.54	143.98
80.0	104.83	114.65	142.90	156.64	158.66	156.64	142.90	114.65	104.83	114.65
82.5	73.90	88.36	120.77	136.69	139.33	136.69	120.77	88.36	73.90	88.36
85.0	48.15	66.47	101.71	118.10	120.26	118.10	101.71	66.47	48.15	66.47
87.5	29.65	50.90	86.80	102.24	103.82	102.24	86.80	50.90	29.65	50.90
90.0	21.75	40.07	72.61	86.11	87.62	86.11	72.61	40.07	21.75	40.07
92.5	20.18	33.61	60.11	70.92	72.18	70.92	60.11	33.61	20.18	33.61
95.0	19.23	29.95	50.28	58.41	59.29	58.41	50.28	29.95	19.23	29.95
97.5	18.39	26.37	43.25	49.40	50.17	49.40	43.25	26.37	18.39	26.37
100.0	17.25	23.25	37.64	43.38	44.25	43.38	37.64	23.25	17.25	23.25
102.5	15.81	20.39	33.46	39.40	40.55	39.40	33.46	20.39	15.81	20.39
105.0	14.12	17.88	30.28	36.78	38.31	36.78	30.28	17.88	14.12	17.88
107.5	12.50	15.80	27.58	34.57	36.49	34.57	27.58	15.80	12.50	15.80
110.0	10.83	13.68	25.27	32.62	34.81	32.62	25.27	13.68	10.83	13.68
112.5	9.20	11.60	23.07	30.69	33.02	30.69	23.07	11.60	9.20	11.60
115.0	7.64	9.73	20.90	28.75	31.20	28.75	20.90	9.73	7.64	9.73
117.5	6.13	7.88	18.92	26.73	29.32	26.73	18.92	7.88	6.13	7.88
120.0	4.94	6.15	16.92	24.80	27.37	24.80	16.92	6.15	4.94	6.15
122.5	3.83	4.61	14.94	22.74	25.19	22.74	14.94	4.61	3.83	4.61
125.0	2.93	3.35	13.01	20.52	23.18	20.52	13.01	3.35	2.93	3.35
127.5	2.18	2.15	11.09	18.48	21.33	18.48	11.09	2.15	2.18	2.15
130.0	1.66	1.32	9.33	16.60	19.13	16.60	9.33	1.32	1.66	1.32
132.5	1.20	0.83	7.65	14.55	16.95	14.55	7.65	0.83	1.20	0.83

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CANDELA TABULATION - (Cont.)

135.0	0.89	0.47	6.01	12.64	14.81	12.64	6.01	0.47	0.89	0.47
137.5	0.63	0.25	4.61	10.68	12.75	10.68	4.61	0.25	0.63	0.25
140.0	0.40	0.13	3.36	8.95	10.70	8.95	3.36	0.13	0.40	0.13
142.5	0.23	0.05	2.20	7.18	8.82	7.18	2.20	0.05	0.23	0.05
145.0	0.16	0.00	1.37	5.59	7.06	5.59	1.37	0.00	0.16	0.00
147.5	0.12	0.08	0.81	4.19	5.39	4.19	0.81	0.08	0.12	0.08
150.0	0.15	0.13	0.39	2.99	4.02	2.99	0.39	0.13	0.15	0.13
152.5	0.22	0.15	0.34	2.02	2.85	2.02	0.34	0.15	0.22	0.15
155.0	0.36	0.39	0.53	1.23	1.91	1.23	0.53	0.39	0.36	0.39
157.5	0.56	0.66	0.77	0.91	1.36	0.91	0.77	0.66	0.56	0.66
160.0	0.81	0.88	0.94	1.08	1.19	1.08	0.94	0.88	0.81	0.88
162.5	1.10	1.12	1.16	1.22	1.40	1.22	1.16	1.12	1.10	1.12
165.0	1.36	1.28	1.29	1.46	1.54	1.46	1.29	1.28	1.36	1.28
167.5	1.36	1.35	1.37	1.53	1.65	1.53	1.37	1.35	1.36	1.35
170.0	1.50	1.47	1.47	1.66	1.83	1.66	1.47	1.47	1.50	1.47
172.5	1.80	1.77	1.78	1.85	1.98	1.85	1.78	1.77	1.80	1.77
175.0	2.08	2.04	1.94	2.07	2.21	2.07	1.94	2.04	2.08	2.04
177.5	2.19	2.21	2.00	2.11	2.27	2.11	2.00	2.21	2.19	2.21
180.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	9656.03	9656.03	9656.03	9656.03	9656.03	9656.03	9656.03
2.5	9623.42	9605.61	9586.03	9605.61	9623.42	9616.24	9613.57
5.0	9500.51	9464.34	9424.36	9464.34	9500.51	9511.31	9524.43
7.5	9287.18	9205.77	9160.35	9205.77	9287.18	9337.82	9368.29
10.0	8984.40	8859.75	8795.53	8859.75	8984.40	9095.15	9134.62
12.5	8595.78	8400.74	8321.04	8400.74	8595.78	8770.15	8827.56
15.0	8116.69	7859.61	7745.05	7859.61	8116.69	8362.93	8429.41
17.5	7550.17	7238.37	7112.88	7238.37	7550.17	7864.75	7945.51
20.0	6912.50	6554.90	6420.65	6554.90	6912.50	7279.10	7374.35
22.5	6215.27	5828.18	5679.09	5828.18	6215.27	6617.35	6723.25
25.0	5472.01	5078.68	4933.01	5078.68	5472.01	5901.36	6006.59
27.5	4724.50	4341.72	4214.26	4341.72	4724.50	5142.32	5243.61
30.0	3996.69	3647.01	3522.08	3647.01	3996.69	4386.93	4514.40
32.5	3316.77	2999.59	2896.66	2999.59	3316.77	3669.19	3774.37
35.0	2697.12	2429.59	2353.67	2429.59	2697.12	3006.26	3098.95
37.5	2166.90	1953.20	1895.35	1953.20	2166.90	2431.04	2516.54
40.0	1735.30	1564.09	1514.85	1564.09	1735.30	1947.26	2041.68
42.5	1393.19	1253.52	1212.15	1253.52	1393.19	1559.97	1647.89
45.0	1123.86	1012.20	982.68	1012.20	1123.86	1257.43	1331.51
47.5	915.93	829.42	807.78	829.42	915.93	1022.56	1091.27
50.0	757.40	691.21	671.83	691.21	757.40	842.10	905.91
52.5	636.11	585.55	570.16	585.55	636.11	702.17	760.95
55.0	541.64	503.21	493.55	503.21	541.64	594.34	642.66
57.5	467.88	439.21	432.29	439.21	467.88	508.70	549.86
60.0	408.33	389.03	383.62	389.03	408.33	439.36	473.39
62.5	359.10	347.79	344.20	347.79	359.10	380.24	408.26
65.0	316.83	311.89	309.75	311.89	316.83	329.45	350.61
67.5	280.45	279.49	277.90	279.49	280.45	284.91	300.09
70.0	248.05	250.83	249.79	250.83	248.05	244.65	255.19
72.5	218.95	225.09	225.04	225.09	218.95	208.80	213.48
75.0	191.96	200.84	201.39	200.84	191.96	175.36	175.04
77.5	166.61	177.76	178.95	177.76	166.61	143.98	138.54
80.0	142.90	156.64	158.66	156.64	142.90	114.65	104.83

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CANDELA TABULATION - (Cont.)

82.5	120.77	136.69	139.33	136.69	120.77	88.36	73.90
85.0	101.71	118.10	120.26	118.10	101.71	66.47	48.15
87.5	86.80	102.24	103.82	102.24	86.80	50.90	29.65
90.0	72.61	86.11	87.62	86.11	72.61	40.07	21.75
92.5	60.11	70.92	72.18	70.92	60.11	33.61	20.18
95.0	50.28	58.41	59.29	58.41	50.28	29.95	19.23
97.5	43.25	49.40	50.17	49.40	43.25	26.37	18.39
100.0	37.64	43.38	44.25	43.38	37.64	23.25	17.25
102.5	33.46	39.40	40.55	39.40	33.46	20.39	15.81
105.0	30.28	36.78	38.31	36.78	30.28	17.88	14.12
107.5	27.58	34.57	36.49	34.57	27.58	15.80	12.50
110.0	25.27	32.62	34.81	32.62	25.27	13.68	10.83
112.5	23.07	30.69	33.02	30.69	23.07	11.60	9.20
115.0	20.90	28.75	31.20	28.75	20.90	9.73	7.64
117.5	18.92	26.73	29.32	26.73	18.92	7.88	6.13
120.0	16.92	24.80	27.37	24.80	16.92	6.15	4.94
122.5	14.94	22.74	25.19	22.74	14.94	4.61	3.83
125.0	13.01	20.52	23.18	20.52	13.01	3.35	2.93
127.5	11.09	18.48	21.33	18.48	11.09	2.15	2.18
130.0	9.33	16.60	19.13	16.60	9.33	1.32	1.66
132.5	7.65	14.55	16.95	14.55	7.65	0.83	1.20
135.0	6.01	12.64	14.81	12.64	6.01	0.47	0.89
137.5	4.61	10.68	12.75	10.68	4.61	0.25	0.63
140.0	3.36	8.95	10.70	8.95	3.36	0.13	0.40
142.5	2.20	7.18	8.82	7.18	2.20	0.05	0.23
145.0	1.37	5.59	7.06	5.59	1.37	0.00	0.16
147.5	0.81	4.19	5.39	4.19	0.81	0.08	0.12
150.0	0.39	2.99	4.02	2.99	0.39	0.13	0.15
152.5	0.34	2.02	2.85	2.02	0.34	0.15	0.22
155.0	0.53	1.23	1.91	1.23	0.53	0.39	0.36
157.5	0.77	0.91	1.36	0.91	0.77	0.66	0.56
160.0	0.94	1.08	1.19	1.08	0.94	0.88	0.81
162.5	1.16	1.22	1.40	1.22	1.16	1.12	1.10
165.0	1.29	1.46	1.54	1.46	1.29	1.28	1.36
167.5	1.37	1.53	1.65	1.53	1.37	1.35	1.36
170.0	1.47	1.66	1.83	1.66	1.47	1.47	1.50
172.5	1.78	1.85	1.98	1.85	1.78	1.77	1.80
175.0	1.94	2.07	2.21	2.07	1.94	2.04	2.08
177.5	2.00	2.11	2.27	2.11	2.00	2.21	2.19
180.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3140.00	N.A.	33.00
0-30	5633.66	N.A.	59.20
0-40	7352.06	N.A.	77.30
0-60	8765.21	N.A.	92.10
0-80	9288.76	N.A.	97.70
0-90	9392.95	N.A.	98.70
10-90	8503.64	N.A.	89.40
20-40	4212.06	N.A.	44.30
20-50	5119.3	N.A.	53.80
40-70	1735.71	N.A.	18.20
60-80	523.55	N.A.	5.50
70-80	201.00	N.A.	2.10
80-90	104.19	N.A.	1.10
90-110	80.02	N.A.	0.80
90-120	99.65	N.A.	1.00
90-130	110.98	N.A.	1.20
90-150	118.09	N.A.	1.20
90-180	119.08	N.A.	1.30
110-180	39.06	N.A.	0.40
0-180	9512.04	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	889.31
10-20	2250.69
20-30	2493.65
30-40	1718.4
40-50	907.24
50-60	505.91
60-70	322.55
70-80	201.00
80-90	104.19
90-100	50.24
100-110	29.77
110-120	19.64
120-130	11.33
130-140	5.33
140-150	1.77
150-160	0.45
160-170	0.37
170-180	0.18

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

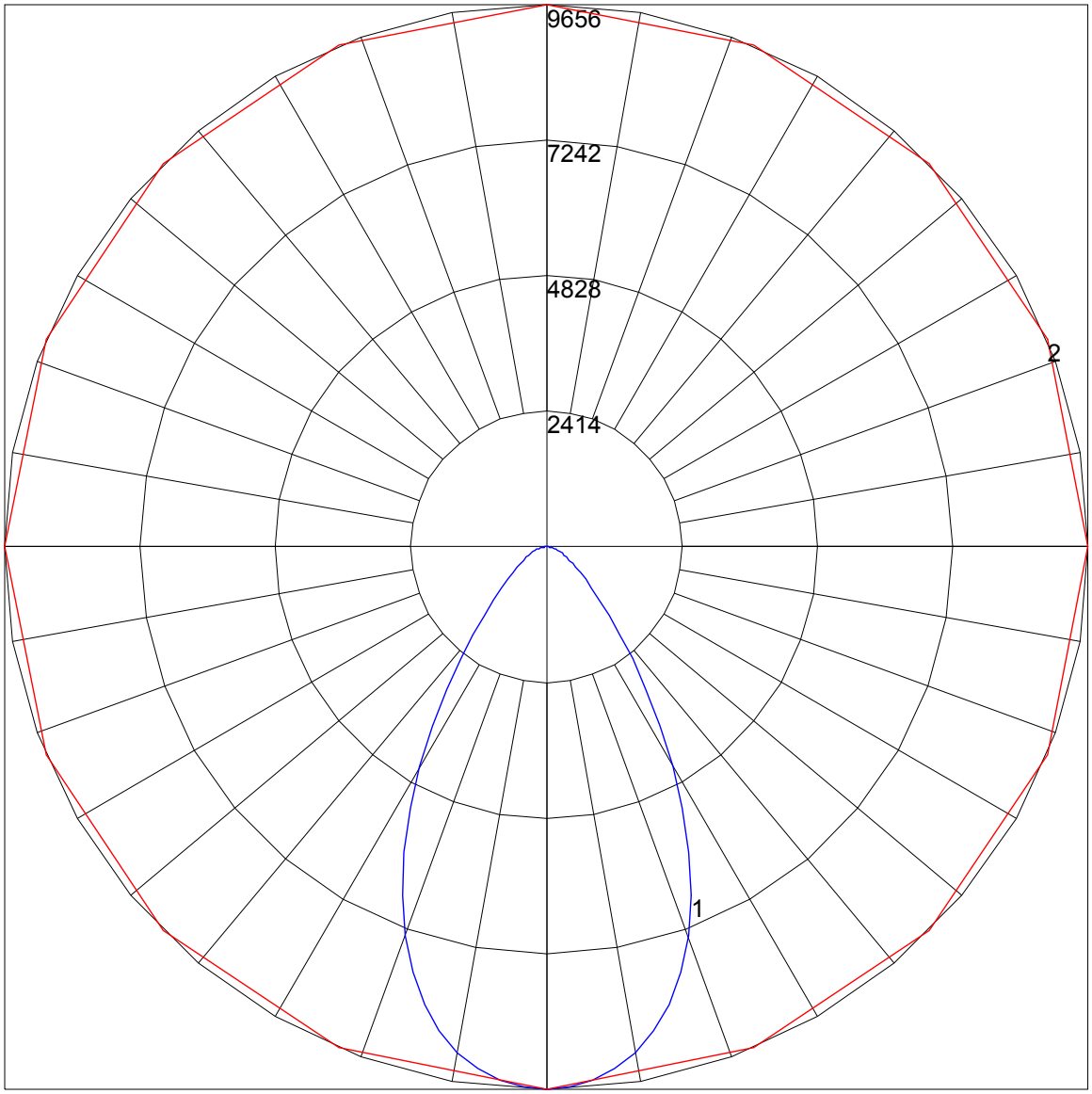
Effective Floor Cavity Reflectance 0.20

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	99
1	112	108	105	102	109	106	103	101	102	99	97	98	96	94	94	93	91	89
2	105	99	94	90	102	97	93	89	94	90	87	90	87	85	87	85	83	81
3	99	91	85	80	96	90	84	80	87	82	78	84	80	77	81	78	75	74
4	93	84	78	73	91	83	77	72	80	75	71	78	74	70	76	72	69	67
5	88	78	71	66	86	77	71	66	75	69	65	73	68	65	71	67	64	62
6	83	73	66	61	81	72	65	61	70	64	60	68	63	60	67	62	59	57
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	58	55	53
8	74	64	57	52	73	63	57	52	62	56	52	60	55	52	59	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	48	45	44

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Results derived from content of manufacturers photometric file.

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

POLAR GRAPH



Maximum Candela = 9656.03 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.)

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