

Day-Brite



by Signify

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX16LL40-UNV-LCP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO33673.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 10/17/14
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] APX16LL40-UNV-LCP
[LUMINAIRE] APX 4-2LP 1.0.1 4000K BOARDS 2-95W DRIVERS 4.7K RESISTORS DP LENS
[LAMP] LED. LUMINAIRE OUTPUT = 15531 LMS
[TESTDATE] 10/17/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15531
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	123.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.29 ft
Luminous Width (90-270)	1.17 ft
Luminous Height	0.50 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9931	8253	7928
55	9018	7059	4760
65	7385	3228	5436
75	4695	4172	3449
85	1795	2012	2407

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX16LL40-UNV-LCP.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	5224.85	5224.85	5224.85	5224.85	5224.85	5224.85	5224.85	5224.85	5224.85	5224.85
2.5	5206.62	5213.29	5225.74	5226.47	5224.53	5226.47	5225.74	5213.29	5206.62	5213.29
5.0	5197.22	5200.71	5218.38	5225.43	5216.03	5225.43	5218.38	5200.71	5197.22	5200.71
7.5	5174.70	5178.26	5201.49	5207.11	5195.15	5207.11	5201.49	5178.26	5174.70	5178.26
10.0	5144.58	5151.48	5170.59	5192.46	5168.15	5192.46	5170.59	5151.48	5144.58	5151.48
12.5	5103.74	5118.06	5143.49	5145.68	5134.44	5145.68	5143.49	5118.06	5103.74	5118.06
15.0	5056.20	5077.03	5094.00	5096.00	5086.43	5096.00	5094.00	5077.03	5056.20	5077.03
17.5	4995.08	5024.91	5026.95	5033.12	5025.08	5033.12	5026.95	5024.91	4995.08	5024.91
20.0	4931.03	4955.83	4962.59	4961.18	4954.73	4961.18	4962.59	4955.83	4931.03	4955.83
22.5	4854.35	4879.07	4882.25	4879.45	4869.59	4879.45	4882.25	4879.07	4854.35	4879.07
25.0	4764.81	4791.87	4794.30	4787.53	4782.77	4787.53	4794.30	4791.87	4764.81	4791.87
27.5	4676.88	4692.58	4693.21	4694.04	4681.20	4694.04	4693.21	4692.58	4676.88	4692.58
30.0	4568.93	4586.44	4586.05	4584.81	4568.39	4584.81	4586.05	4586.44	4568.93	4586.44
32.5	4452.19	4471.15	4465.16	4464.12	4453.07	4464.12	4465.16	4471.15	4452.19	4471.15
35.0	4310.95	4345.11	4335.15	4345.14	4374.64	4345.14	4335.15	4345.11	4310.95	4345.11
37.5	4161.76	4204.68	4183.87	4256.10	4296.12	4256.10	4183.87	4204.68	4161.76	4204.68
40.0	4014.34	4034.35	4041.16	4137.24	4118.59	4137.24	4041.16	4034.35	4014.34	4034.35
42.5	3840.76	3872.43	3928.16	3943.67	3925.71	3943.67	3928.16	3872.43	3840.76	3872.43
45.0	3659.48	3687.32	3771.54	3731.50	3734.71	3731.50	3771.54	3687.32	3659.48	3687.32
47.5	3465.56	3487.22	3583.12	3562.68	3584.59	3562.68	3583.12	3487.22	3465.56	3487.22
50.0	3253.72	3277.93	3366.07	3391.32	3233.63	3391.32	3366.07	3277.93	3253.72	3277.93
52.5	3037.86	3078.97	3121.24	3093.10	2720.52	3093.10	3121.24	3078.97	3037.86	3078.97
55.0	2816.20	2861.29	2927.92	2346.98	2052.20	2346.98	2927.92	2861.29	2816.20	2861.29
57.5	2573.96	2619.24	2687.80	1917.20	1677.11	1917.20	2687.80	2619.24	2573.96	2619.24
60.0	2328.05	2373.99	2309.19	1410.62	1721.80	1410.62	2309.19	2373.99	2328.05	2373.99
62.5	2073.13	2109.55	1674.56	1684.48	2088.87	1684.48	1674.56	2109.55	2073.13	2109.55
65.0	1820.79	1860.30	1162.08	1881.94	2055.09	1881.94	1162.08	1860.30	1820.79	1860.30
67.5	1558.43	1592.43	942.51	1920.14	1945.59	1920.14	942.51	1592.43	1558.43	1592.43
70.0	1300.36	1360.84	1088.22	1683.51	1588.65	1683.51	1088.22	1360.84	1300.36	1360.84
72.5	1048.82	1087.73	1217.44	1433.53	1434.05	1433.53	1217.44	1087.73	1048.82	1087.73
75.0	813.91	675.31	1227.43	1223.37	1081.14	1223.37	1227.43	675.31	813.91	675.31
77.5	595.84	419.76	979.25	802.66	758.15	802.66	979.25	419.76	595.84	419.76
80.0	411.93	319.82	686.54	630.08	700.97	630.08	686.54	319.82	411.93	319.82
82.5	268.12	244.93	502.33	635.84	675.56	635.84	502.33	244.93	268.12	244.93
85.0	170.29	263.27	441.70	590.33	576.13	590.33	441.70	263.27	170.29	263.27
87.5	111.45	254.98	418.96	410.01	417.25	410.01	418.96	254.98	111.45	254.98
90.0	71.25	179.95	255.19	213.86	212.54	213.86	255.19	179.95	71.25	179.95
92.5	58.73	127.74	120.70	88.66	92.83	88.66	120.70	127.74	58.73	127.74
95.0	68.50	78.83	55.06	61.80	68.11	61.80	55.06	78.83	68.50	78.83
97.5	84.27	45.60	50.81	69.86	76.87	69.86	50.81	45.60	84.27	45.60
100.0	90.18	43.80	57.39	73.85	76.76	73.85	57.39	43.80	90.18	43.80
102.5	87.50	43.57	45.16	55.56	59.78	55.56	43.57	87.50	43.57	45.16
105.0	80.50	47.58	35.42	38.24	41.78	38.24	35.42	47.58	80.50	47.58
107.5	71.73	49.56	31.53	32.71	33.94	32.71	31.53	49.56	71.73	49.56
110.0	62.76	47.50	28.40	28.74	30.14	28.74	28.40	47.50	62.76	47.50
112.5	54.17	42.98	26.71	25.46	26.76	25.46	26.71	42.98	54.17	42.98
115.0	46.42	38.12	25.48	22.94	24.29	22.94	25.48	38.12	46.42	38.12
117.5	39.77	35.21	24.14	20.66	21.90	20.66	24.14	35.21	39.77	35.21
120.0	34.15	36.09	22.83	18.70	19.78	18.70	22.83	36.09	34.15	36.09
122.5	29.01	35.79	23.01	17.11	17.67	17.11	23.01	35.79	29.01	35.79
125.0	24.20	26.71	32.23	16.54	16.46	16.54	32.23	26.71	24.20	26.71
127.5	19.89	20.39	76.65	19.74	17.94	19.74	76.65	20.39	19.89	20.39
130.0	16.30	16.20	74.17	46.90	34.61	46.90	74.17	16.20	16.30	16.20
132.5	13.26	13.15	28.01	109.96	86.00	109.96	28.01	13.15	13.26	13.15

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX16LL40-UNV-LCP.IES

CANDELA TABULATION - (Cont.)

135.0	10.62	10.37	17.58	86.63	95.24	86.63	17.58	10.37	10.62	10.37
137.5	8.43	8.17	12.39	30.82	67.05	30.82	12.39	8.17	8.43	8.17
140.0	6.58	6.32	8.28	18.61	24.93	18.61	8.28	6.32	6.58	6.32
142.5	5.03	4.87	5.64	12.40	15.42	12.40	5.64	4.87	5.03	4.87
145.0	3.83	3.72	4.04	8.52	10.57	8.52	4.04	3.72	3.83	3.72
147.5	2.95	2.83	3.09	6.22	7.50	6.22	3.09	2.83	2.95	2.83
150.0	2.36	2.28	2.59	4.68	5.58	4.68	2.59	2.28	2.36	2.28
152.5	1.94	2.01	2.41	3.60	4.28	3.60	2.41	2.01	1.94	2.01
155.0	1.85	1.95	2.26	2.75	3.31	2.75	2.26	1.95	1.85	1.95
157.5	1.81	1.92	2.14	2.53	2.74	2.53	2.14	1.92	1.81	1.92
160.0	1.85	1.91	2.04	2.36	2.53	2.36	2.04	1.91	1.85	1.91
162.5	1.85	1.91	2.00	2.18	2.27	2.18	2.00	1.91	1.85	1.91
165.0	1.84	1.84	1.91	2.04	2.05	2.04	1.91	1.84	1.84	1.84
167.5	1.73	1.75	1.79	1.92	1.92	1.92	1.79	1.75	1.73	1.75
170.0	1.73	1.71	1.71	1.87	1.80	1.87	1.71	1.71	1.73	1.71
172.5	1.81	1.82	1.80	1.81	1.81	1.81	1.80	1.82	1.81	1.82
175.0	1.88	1.88	1.85	1.82	1.83	1.82	1.85	1.88	1.88	1.88
177.5	1.98	1.98	1.80	1.85	1.82	1.85	1.80	1.98	1.98	1.98
180.0	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86

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	5224.85	5224.85	5224.85	5224.85	5224.85	5224.85	5224.85
2.5	5225.74	5226.47	5224.53	5226.47	5225.74	5213.29	5206.62
5.0	5218.38	5225.43	5216.03	5225.43	5218.38	5200.71	5197.22
7.5	5201.49	5207.11	5195.15	5207.11	5201.49	5178.26	5174.70
10.0	5170.59	5192.46	5168.15	5192.46	5170.59	5151.48	5144.58
12.5	5143.49	5145.68	5134.44	5145.68	5143.49	5118.06	5103.74
15.0	5094.00	5096.00	5086.43	5096.00	5094.00	5077.03	5056.20
17.5	5026.95	5033.12	5025.08	5033.12	5026.95	5024.91	4995.08
20.0	4962.59	4961.18	4954.73	4961.18	4962.59	4955.83	4931.03
22.5	4882.25	4879.45	4869.59	4879.45	4882.25	4879.07	4854.35
25.0	4794.30	4787.53	4782.77	4787.53	4794.30	4791.87	4764.81
27.5	4693.21	4694.04	4681.20	4694.04	4693.21	4692.58	4676.88
30.0	4586.05	4584.81	4568.39	4584.81	4586.05	4586.44	4568.93
32.5	4465.16	4464.12	4453.07	4464.12	4465.16	4471.15	4452.19
35.0	4335.15	4345.14	4374.64	4345.14	4335.15	4345.11	4310.95
37.5	4183.87	4256.10	4296.12	4256.10	4183.87	4204.68	4161.76
40.0	4041.16	4137.24	4118.59	4137.24	4041.16	4034.35	4014.34
42.5	3928.16	3943.67	3925.71	3943.67	3928.16	3872.43	3840.76
45.0	3771.54	3731.50	3734.71	3731.50	3771.54	3687.32	3659.48
47.5	3583.12	3562.68	3584.59	3562.68	3583.12	3487.22	3465.56
50.0	3366.07	3391.32	3233.63	3391.32	3366.07	3277.93	3253.72
52.5	3121.24	3093.10	2720.52	3093.10	3121.24	3078.97	3037.86
55.0	2927.92	2346.98	2052.20	2346.98	2927.92	2861.29	2816.20
57.5	2687.80	1917.20	1677.11	1917.20	2687.80	2619.24	2573.96
60.0	2309.19	1410.62	1721.80	1410.62	2309.19	2373.99	2328.05
62.5	1674.56	1684.48	2088.87	1684.48	1674.56	2109.55	2073.13
65.0	1162.08	1881.94	2055.09	1881.94	1162.08	1860.30	1820.79
67.5	942.51	1920.14	1945.59	1920.14	942.51	1592.43	1558.43
70.0	1088.22	1683.51	1588.65	1683.51	1088.22	1360.84	1300.36
72.5	1217.44	1433.53	1434.05	1433.53	1217.44	1087.73	1048.82
75.0	1227.43	1223.37	1081.14	1223.37	1227.43	675.31	813.91
77.5	979.25	802.66	758.15	802.66	979.25	419.76	595.84
80.0	686.54	630.08	700.97	630.08	686.54	319.82	411.93

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX16LL40-UNV-LCP.IES**

CANDELA TABULATION - (Cont.)

82.5	502.33	635.84	675.56	635.84	502.33	244.93	268.12
85.0	441.70	590.33	576.13	590.33	441.70	263.27	170.29
87.5	418.96	410.01	417.25	410.01	418.96	254.98	111.45
90.0	255.19	213.86	212.54	213.86	255.19	179.95	71.25
92.5	120.70	88.66	92.83	88.66	120.70	127.74	58.73
95.0	55.06	61.80	68.11	61.80	55.06	78.83	68.50
97.5	50.81	69.86	76.87	69.86	50.81	45.60	84.27
100.0	57.39	73.85	76.76	73.85	57.39	43.80	90.18
102.5	45.16	55.56	59.78	55.56	45.16	43.57	87.50
105.0	35.42	38.24	41.78	38.24	35.42	47.58	80.50
107.5	31.53	32.71	33.94	32.71	31.53	49.56	71.73
110.0	28.40	28.74	30.14	28.74	28.40	47.50	62.76
112.5	26.71	25.46	26.76	25.46	26.71	42.98	54.17
115.0	25.48	22.94	24.29	22.94	25.48	38.12	46.42
117.5	24.14	20.66	21.90	20.66	24.14	35.21	39.77
120.0	22.83	18.70	19.78	18.70	22.83	36.09	34.15
122.5	23.01	17.11	17.67	17.11	23.01	35.79	29.01
125.0	32.23	16.54	16.46	16.54	32.23	26.71	24.20
127.5	76.65	19.74	17.94	19.74	76.65	20.39	19.89
130.0	74.17	46.90	34.61	46.90	74.17	16.20	16.30
132.5	28.01	109.96	86.00	109.96	28.01	13.15	13.26
135.0	17.58	86.63	95.24	86.63	17.58	10.37	10.62
137.5	12.39	30.82	67.05	30.82	12.39	8.17	8.43
140.0	8.28	18.61	24.93	18.61	8.28	6.32	6.58
142.5	5.64	12.40	15.42	12.40	5.64	4.87	5.03
145.0	4.04	8.52	10.57	8.52	4.04	3.72	3.83
147.5	3.09	6.22	7.50	6.22	3.09	2.83	2.95
150.0	2.59	4.68	5.58	4.68	2.59	2.28	2.36
152.5	2.41	3.60	4.28	3.60	2.41	2.01	1.94
155.0	2.26	2.75	3.31	2.75	2.26	1.95	1.85
157.5	2.14	2.53	2.74	2.53	2.14	1.92	1.81
160.0	2.04	2.36	2.53	2.36	2.04	1.91	1.85
162.5	2.00	2.18	2.27	2.18	2.00	1.91	1.85
165.0	1.91	2.04	2.05	2.04	1.91	1.84	1.84
167.5	1.79	1.92	1.92	1.92	1.79	1.75	1.73
170.0	1.71	1.87	1.80	1.87	1.71	1.71	1.73
172.5	1.80	1.81	1.81	1.81	1.80	1.82	1.81
175.0	1.85	1.82	1.83	1.82	1.85	1.88	1.88
177.5	1.80	1.85	1.82	1.85	1.80	1.98	1.98
180.0	1.86	1.86	1.86	1.86	1.86	1.86	1.86

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX16LL40-UNV-LCP.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1931.69	N.A.	12.40
0-30	4139.23	N.A.	26.70
0-40	6857.79	N.A.	44.20
0-60	12115.54	N.A.	78.00
0-80	14856.46	N.A.	95.70
0-90	15290.01	N.A.	98.50
10-90	14793.95	N.A.	95.30
20-40	4926.1	N.A.	31.70
20-50	7795.89	N.A.	50.20
40-70	6956.41	N.A.	44.80
60-80	2740.92	N.A.	17.60
70-80	1042.26	N.A.	6.70
80-90	433.55	N.A.	2.80
90-110	150.03	N.A.	1.00
90-120	180.89	N.A.	1.20
90-130	206.79	N.A.	1.30
90-150	238.70	N.A.	1.50
90-180	240.62	N.A.	1.50
110-180	90.59	N.A.	0.60
0-180	15530.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	496.07
10-20	1435.63
20-30	2207.54
30-40	2718.56
40-50	2869.8
50-60	2387.95
60-70	1698.66
70-80	1042.26
80-90	433.55
90-100	98.90
100-110	51.13
110-120	30.86
120-130	25.90
130-140	27.68
140-150	4.23
150-160	1.19
160-170	0.55
170-180	0.17

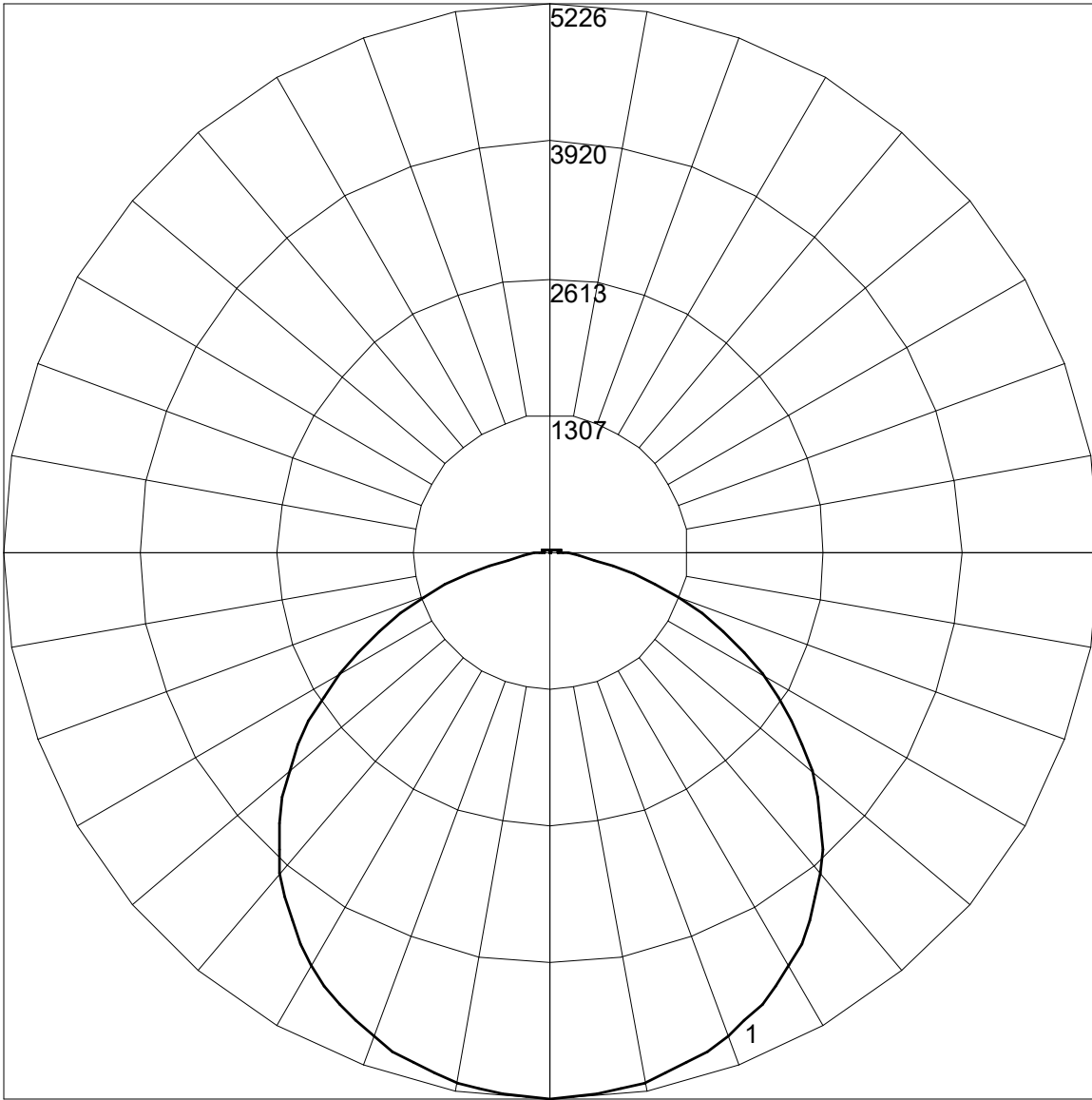
IES INDOOR REPORT
PHOTOMETRIC FILENAME : APX16LL40-UNV-LCP.IES

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	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	96	88	82	76	84	79	74	81	76	72	77	74	70	68
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	68	64	60	58
4	82	70	61	55	80	69	60	54	66	59	53	63	57	52	61	56	51	49
5	76	63	54	47	73	61	53	47	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	45	39	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	38	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 5226.47 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)