



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL736LEDHTHOWT50ASYM120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2017.2.1 see: www.ltioptics.com/ies
 [ISSUE DATE]
 [TEST DATE] Fri Oct 27 13:09:12 2017
 [TEST] 1
 [MANUFACTURER] BEGHELLI
 [LUMEN CATEGORY]
 [LUMINAIRE] BL736LEDHTHOWT50ASYM120-277V
 [LAMP] LED 0.1885W Nichia Warm White LED (65mA)
 [LAMP CATEGORY] NFSL757DT-V1
 [OTHER]
 IESNA:LM-63-2002
 [TEST] 6,552
 [TESTLAB] CSA Group
 [ISSUE DATE] 7/24/2013 1:09:24 PM
 [OTHER] Luminous shape: Rectangle
 [OTHER] Luminous dimensions (feet)
 [OTHER] 0 - 180 Axis: 4.2
 [OTHER] 90 - 270 Axis: 0.6
 [OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	24644
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	230
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.39 ft
Luminous Width (90-270)	1.37 ft
Luminous Height	0.40 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8985	10692	36504
55	4824	6930	18347
65	2368	3085	6919
75	1403	1410	2799
85	696	494	774

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37
2	8295.49	8156.12	8150.18	8502.32	8489.51	8507.86	8643.40	8417.35	8800.01	8905.23
4	7421.14	7544.24	7394.88	7375.16	7272.33	7546.41	7655.10	7711.66	7791.03	7857.92
6	6602.06	6437.33	6421.46	6463.08	6724.41	6786.80	6818.51	6768.76	7164.42	7282.65
8	5685.41	5612.34	5669.01	5678.73	5727.36	5880.29	5884.71	6208.18	6352.74	6675.62
10	4581.40	4700.45	4769.07	4816.53	4884.71	5087.32	5332.63	5501.69	5739.22	5986.05
12	3955.09	3909.27	3946.73	4043.66	4088.53	4318.52	4538.12	4748.34	4895.31	5339.67
14	3176.25	3246.72	3256.81	3364.83	3580.31	3604.23	3806.20	4039.46	4307.56	4676.84
16	2675.21	2673.65	2743.28	2803.27	2935.43	3074.16	3246.91	3437.11	3858.84	4193.08
18	2289.22	2257.60	2327.23	2405.17	2549.07	2637.89	2803.75	3021.00	3275.28	3623.72
20	2015.05	2000.04	2081.48	2074.51	2185.31	2263.79	2425.32	2585.10	2827.31	3156.15
22	1826.41	1860.09	1894.08	1962.13	1981.01	2050.41	2159.91	2323.98	2551.61	2856.96
24	1771.68	1809.66	1834.42	1839.18	1882.53	1906.62	2010.03	2124.96	2327.21	2529.91
26	1784.86	1816.62	1821.57	1835.94	1816.45	1848.91	1933.05	2004.65	2145.51	2351.37
28	1844.86	1824.25	1849.71	1858.95	1862.99	1878.07	1899.77	1967.35	2021.68	2203.17
30	1882.03	1900.16	1896.13	1897.22	1883.05	1933.61	1925.73	1936.63	2008.28	2151.18
32	1929.51	1954.62	1950.66	1947.26	1962.50	1946.12	1940.91	1969.08	2008.75	2084.51
34	1986.63	1978.53	1964.96	1976.77	1987.14	2003.34	2000.04	2030.17	2017.08	2103.68
36	1969.80	1953.86	1975.62	1968.71	2009.82	2019.82	2010.68	2053.06	2055.35	2079.21
38	1928.54	1929.48	1902.51	1929.12	1977.36	1980.39	1998.48	2030.06	2063.84	2125.21
40	1798.27	1805.63	1834.54	1859.32	1905.78	1909.94	1958.81	1990.49	2033.77	2050.94
42	1698.22	1688.72	1713.55	1727.80	1786.40	1850.46	1878.29	1952.55	1991.13	2014.19
44	1523.54	1533.99	1567.13	1598.01	1674.62	1706.44	1768.28	1818.99	1905.32	1945.61
46	1373.62	1380.62	1390.95	1439.40	1519.80	1543.75	1617.53	1721.58	1786.75	1828.62
48	1223.64	1230.05	1247.55	1296.55	1337.30	1420.93	1488.91	1561.16	1639.66	1700.01
50	1048.53	1061.57	1074.79	1116.86	1197.38	1247.60	1330.58	1411.36	1476.93	1549.64
52	886.55	897.49	919.84	976.96	1015.37	1071.54	1150.19	1224.55	1303.95	1380.88
54	756.72	759.10	768.74	817.95	866.26	903.13	985.91	1049.21	1115.14	1203.46
56	624.82	636.98	654.34	674.59	723.28	763.43	825.92	892.91	959.51	1026.66
58	524.72	542.23	540.90	562.93	602.63	638.81	686.53	731.73	807.92	864.19
60	434.57	436.62	444.18	467.34	492.00	531.64	563.40	616.67	666.59	704.67
62	362.28	368.53	378.00	393.04	420.42	441.58	474.81	504.38	554.86	577.00
64	306.32	300.80	319.05	324.63	338.87	365.68	391.74	426.98	457.27	483.93
66	265.89	256.36	260.66	265.97	286.65	300.12	314.80	347.05	370.05	382.34
68	231.39	221.15	223.23	230.75	241.69	255.02	262.87	284.33	306.35	318.06
70	184.34	185.98	186.89	197.64	201.48	209.95	224.47	239.06	243.42	265.08
72	161.10	160.28	158.69	167.60	169.46	176.24	186.76	199.97	204.89	213.93
74	138.06	141.80	138.90	142.92	148.17	154.28	162.54	159.74	177.33	180.74
76	127.84	122.72	120.93	123.06	127.71	130.03	131.65	146.64	143.08	145.45
78	110.90	106.16	114.35	109.21	114.06	113.59	115.68	117.45	125.84	125.94
80	106.06	96.88	97.66	98.55	97.62	103.59	97.73	101.50	100.49	105.47
82	77.16	80.51	81.48	82.43	83.30	85.69	82.19	86.70	87.01	86.80
84	63.53	60.79	58.21	58.41	57.17	60.84	59.87	56.05	62.81	60.93
86	28.19	27.50	29.19	30.70	29.47	28.33	27.09	28.14	24.67	25.45
88	4.71	5.11	4.32	4.03	4.96	3.32	4.72	4.37	4.99	4.71
90	0.00	0.00	0.03	0.03	0.01	0.00	0.25	0.01	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37
2	8927.10	8779.16	8891.18	8925.15	9156.83	9064.31	9222.55	9086.20	9253.72	9416.20
4	8010.98	8001.48	8289.43	8412.52	8632.72	8562.54	9003.27	8839.82	9114.73	9230.58
6	7440.21	7512.99	7820.37	8090.56	8335.77	8480.99	8831.86	9019.28	9081.98	9373.17

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8	6816.26	7067.76	7514.30	7644.47	8013.00	8174.97	8463.72	8769.47	9196.42	9438.83
10	6238.13	6605.66	6954.25	7335.88	7748.91	8041.44	8413.15	8800.19	9322.97	9767.30
12	5643.67	6040.19	6495.52	6870.43	7332.58	7813.69	8378.75	8875.37	9398.33	9787.08
14	5084.26	5457.57	6060.58	6502.88	7059.35	7616.51	8201.03	8758.62	9448.25	9815.61
16	4519.52	4978.57	5526.27	6138.47	6810.67	7376.76	8064.63	8839.46	9382.65	9999.01
18	4102.06	4597.02	5155.43	5771.48	6479.69	7266.82	7905.43	8702.71	9437.56	10144.25
20	3641.49	4162.60	4689.28	5344.97	6157.99	6934.47	7866.61	8622.04	9541.36	10208.73
22	3299.55	3730.01	4272.92	5015.34	5836.13	6642.14	7598.43	8577.67	9497.07	10361.71
24	2910.19	3353.07	3952.50	4615.57	5487.78	6398.35	7417.29	8406.48	9540.43	10377.51
26	2668.40	3057.99	3582.99	4280.45	5141.65	6110.14	7170.71	8278.96	9381.90	10464.68
28	2434.61	2804.31	3287.26	3962.33	4776.44	5827.22	6926.24	8131.37	9368.26	10371.43
30	2311.83	2589.02	3045.99	3665.74	4441.61	5443.35	6660.71	7892.79	9117.39	10342.97
32	2249.99	2448.91	2830.68	3375.42	4178.69	5143.77	6332.83	7699.20	8972.50	10151.25
34	2187.70	2353.96	2628.29	3169.64	3894.29	4853.48	6037.53	7354.11	8748.10	10087.18
36	2134.45	2297.96	2514.41	2899.73	3540.87	4442.66	5674.39	7030.67	8447.12	9759.11
38	2114.03	2197.80	2382.07	2694.09	3275.24	4091.64	5233.69	6604.13	8034.23	9401.91
40	2097.72	2144.90	2251.34	2496.11	2971.67	3724.36	4855.73	6127.10	7516.45	8864.48
42	2025.78	2057.11	2144.22	2315.80	2704.55	3363.85	4375.14	5611.55	6953.77	8244.83
44	1952.05	1989.56	2009.45	2147.92	2420.71	3027.23	3881.87	5046.48	6248.50	7479.62
46	1852.88	1887.12	1873.21	1966.65	2206.48	2679.74	3442.19	4430.91	5569.47	6742.76
48	1752.73	1749.69	1740.94	1779.84	1982.82	2345.88	2997.06	3905.22	4933.30	5909.17
50	1579.37	1617.95	1594.04	1603.47	1729.26	2046.31	2595.34	3322.07	4194.76	5132.03
52	1418.87	1434.44	1444.57	1448.03	1539.23	1751.74	2171.09	2762.31	3509.24	4294.24
54	1256.57	1265.02	1265.59	1262.57	1306.97	1487.35	1819.90	2308.82	2921.14	3561.48
56	1084.61	1103.30	1100.75	1092.54	1133.09	1263.89	1520.85	1894.82	2360.96	2865.77
58	900.68	927.71	930.47	930.27	932.34	1063.81	1238.07	1521.09	1872.91	2263.62
60	754.51	782.11	782.04	784.63	794.75	874.92	1001.62	1216.76	1512.18	1803.34
62	623.44	649.28	663.54	651.64	678.44	710.94	823.20	966.45	1185.08	1425.68
64	518.30	540.94	533.26	536.52	556.63	592.07	678.67	798.31	946.56	1124.28
66	418.67	436.66	448.00	436.17	454.84	483.65	556.96	632.51	736.96	876.23
68	346.38	354.45	356.41	374.09	378.25	396.11	452.98	500.88	592.47	702.73
70	271.29	291.12	286.16	294.04	313.25	323.92	361.40	422.12	475.05	556.89
72	221.00	234.74	241.38	247.38	255.33	272.57	294.67	340.60	379.95	429.65
74	194.18	190.62	190.30	202.42	211.75	221.58	240.51	266.42	295.05	338.42
76	152.02	160.35	159.96	160.98	170.51	176.66	193.26	212.81	240.47	266.82
78	123.98	131.91	129.49	136.18	136.41	144.93	159.33	169.17	186.52	207.78
80	105.19	107.93	110.51	110.30	119.18	122.27	123.34	132.11	141.71	159.08
82	89.15	89.84	90.01	88.70	90.59	90.30	96.18	95.42	104.52	111.41
84	63.22	64.90	62.98	64.48	62.19	63.81	66.31	67.02	68.21	73.73
86	27.80	29.63	35.42	31.53	33.22	33.68	33.75	33.09	35.15	34.52
88	4.21	4.47	3.74	5.10	4.49	4.43	4.23	4.63	4.83	6.01
90	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00

**Vert.
Angles**

Horizontal Angles

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37
2	9388.14	9534.04	9484.17	9681.83	9622.23	9630.68	9869.06	10069.98	9893.63	10128.31
4	9409.31	9500.55	9821.61	9894.30	9957.33	9934.37	9873.53	10001.77	10063.40	10295.64
6	9408.25	9768.51	10012.86	10030.05	10367.02	10480.06	10506.25	10732.70	10662.80	10837.33
8	9843.81	9949.30	10161.06	10502.75	10675.27	10797.13	10997.29	11147.42	11330.51	11324.87
10	10024.71	10332.05	10642.71	10703.84	11083.98	11169.98	11517.00	11615.21	11773.54	11950.08
12	10133.29	10525.72	10823.13	11185.68	11412.58	11561.55	12032.25	12123.47	12302.44	12391.57
14	10268.47	10729.79	11105.13	11531.81	11634.84	12108.78	12309.73	12645.86	12780.27	12961.70
16	10456.70	11041.11	11410.22	11870.57	12174.91	12598.52	12918.74	13053.84	13294.53	13545.76
18	10815.38	11300.72	11779.01	12298.65	12610.71	13020.68	13266.06	13588.85	13824.52	14124.37

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20	10956.38	11506.93	12192.83	12637.92	13121.38	13518.44	13714.20	14221.80	14313.36	14659.81
22	11150.71	11834.14	12467.02	12978.32	13421.78	13857.59	14328.27	14606.25	14954.19	15219.44
24	11231.38	12003.14	12621.73	13264.86	13721.34	14279.61	14740.51	15111.43	15423.63	15881.28
26	11398.28	12169.84	12929.96	13614.94	14173.98	14729.00	15288.88	15719.78	16035.07	16345.90
28	11250.94	12317.81	13052.72	13794.99	14497.65	15164.11	15768.51	16271.46	16743.97	17085.87
30	11393.47	12341.74	13169.15	14095.13	14832.89	15611.57	16175.94	16718.11	17261.97	17726.89
32	11335.03	12429.81	13350.40	14228.45	15110.77	15887.23	16678.00	17283.81	17811.49	18420.13
34	11253.83	12312.79	13415.34	14435.45	15383.75	16231.43	16921.45	17694.68	18348.79	18733.98
36	11036.06	12236.84	13352.69	14386.29	15352.75	16345.25	17110.41	17985.25	18549.50	19072.73
38	10729.46	11861.37	13039.05	14192.26	15269.10	16306.28	17236.67	18010.59	18700.15	19083.23
40	10175.17	11441.98	12656.15	13810.51	14965.84	16038.13	16963.99	17782.20	18333.06	18761.21
42	9501.36	10737.30	11975.99	13193.93	14404.24	15608.56	16404.90	17177.92	17742.76	18133.48
44	8713.45	9920.23	11223.44	12429.78	13660.79	14750.64	15659.73	16346.10	16801.01	16912.71
46	7885.72	9047.17	10262.68	11505.29	12760.85	13741.94	14623.59	15176.38	15587.90	15585.64
48	6963.43	8091.64	9278.86	10446.65	11627.29	12621.69	13380.72	13899.14	14057.02	13961.29
50	6068.01	7098.79	8173.16	9294.15	10408.61	11354.74	11927.89	12319.17	12363.15	12173.27
52	5164.61	6013.26	7054.04	8049.14	9066.82	9819.50	10356.27	10608.07	10579.90	10361.34
54	4277.50	5048.85	5952.74	6851.82	7716.20	8352.08	8785.97	8900.83	8809.41	8543.88
56	3436.49	4132.80	4905.88	5679.93	6468.69	6928.68	7301.61	7317.67	7172.22	6900.34
58	2754.77	3312.20	3945.95	4588.98	5146.61	5601.96	5849.89	5876.71	5682.74	5451.65
60	2184.19	2622.85	3135.86	3662.91	4165.37	4453.57	4650.99	4589.43	4434.43	4241.99
62	1717.16	2052.93	2465.67	2884.20	3260.24	3505.72	3575.31	3567.46	3435.19	3278.71
64	1337.08	1616.54	1933.18	2251.09	2496.47	2698.18	2746.08	2716.48	2631.27	2475.58
66	1041.62	1226.33	1454.19	1699.62	1924.15	2047.92	2085.85	2050.69	1974.10	1878.22
68	820.19	969.67	1133.47	1321.62	1447.81	1540.84	1583.74	1543.92	1497.87	1427.27
70	640.89	744.44	867.87	993.73	1100.62	1154.98	1182.72	1171.32	1127.35	1075.16
72	503.90	579.76	658.14	739.68	803.47	846.37	876.26	861.89	854.86	836.41
74	391.83	434.50	492.38	558.30	596.74	623.55	659.73	647.91	648.47	629.95
76	290.68	331.16	371.25	408.75	455.62	473.80	489.69	483.26	476.57	478.42
78	229.80	253.81	279.09	310.26	319.62	343.26	350.57	349.56	348.27	351.23
80	172.47	189.92	201.81	216.16	234.54	243.57	249.90	256.59	249.86	253.60
82	120.28	128.83	142.67	150.37	157.93	165.27	168.91	166.89	170.83	168.03
84	77.61	82.48	84.56	90.50	95.85	97.31	102.56	105.24	103.41	108.34
86	34.88	34.95	41.11	43.73	47.67	48.44	49.13	47.43	48.11	45.99
88	5.86	5.97	6.63	5.68	5.99	5.37	5.36	6.05	4.98	5.34
90	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01

**Vert.
Angles**

Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37	9511.37
2	9909.66	10006.00	10232.44	10076.55	9964.51	9973.70	9918.80
4	10443.09	10469.83	10459.08	10281.95	10347.86	10416.20	10534.92
6	10936.02	10909.60	11063.35	11041.59	11193.54	11127.91	11010.16
8	11463.57	11603.09	11736.86	11620.86	11636.04	11733.58	11890.28
10	12050.09	12098.67	12238.06	12236.64	12387.68	12429.15	12190.50
12	12653.14	12774.52	12929.49	12858.37	12990.56	12943.73	12819.12
14	13102.43	13149.76	13223.59	13360.89	13510.33	13495.22	13298.27
16	13741.54	13812.08	13909.18	13900.21	14067.65	14178.00	14215.67
18	14266.56	14430.07	14672.36	14687.94	14678.26	14756.14	14792.71
20	14881.91	14987.86	15160.62	15263.72	15363.52	15515.89	15436.82
22	15427.61	15741.45	15839.50	15966.78	16096.24	16156.25	16213.08
24	16037.32	16395.13	16525.86	16673.97	16867.92	16818.32	16897.77
26	16781.30	17079.87	17323.80	17358.51	17535.17	17472.71	17646.25
28	17478.43	17800.42	17957.36	18145.47	18296.51	18260.02	18426.49
30	18092.14	18393.55	18597.45	18828.27	18902.25	18953.81	19071.11

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CANDELA TABULATION - (Cont.)

32	18737.20	18954.56	19235.82	19421.20	19608.34	19591.03	19688.20
34	19249.00	19426.56	19668.13	19814.64	19922.89	20042.45	19926.40
36	19487.78	19834.92	19859.30	19924.97	19966.34	19948.30	19978.80
38	19488.32	19516.58	19715.18	19595.06	19637.45	19544.10	19632.34
40	19004.89	19074.05	18899.20	18854.49	18748.06	18642.96	18694.44
42	18154.75	18069.82	17791.38	17724.40	17550.25	17368.79	17275.37
44	16922.37	16664.60	16431.04	16186.71	15867.99	15709.54	15661.06
46	15375.85	15061.23	14757.94	14331.97	14096.93	13942.40	13880.73
48	13672.13	13296.59	12847.00	12535.28	12279.46	12007.98	11928.52
50	11908.87	11412.64	11021.08	10630.36	10305.10	10101.70	10154.05
52	9976.66	9557.92	9114.82	8764.92	8451.39	8301.12	8197.85
54	8160.76	7808.54	7370.39	7034.67	6769.71	6641.30	6572.59
56	6553.88	6192.19	5842.21	5556.60	5352.43	5176.34	5143.96
58	5114.79	4858.52	4532.48	4283.40	4124.07	4014.95	3964.83
60	4023.21	3694.22	3495.33	3320.11	3164.23	3079.81	3081.14
62	3061.66	2870.24	2668.79	2534.17	2406.21	2380.89	2360.77
64	2328.75	2174.48	2047.79	1948.77	1853.58	1826.32	1804.45
66	1784.94	1682.75	1564.30	1501.87	1431.18	1418.14	1394.74
68	1352.40	1295.55	1213.32	1171.91	1117.02	1105.37	1069.11
70	1046.89	980.80	920.06	908.45	877.65	860.18	841.98
72	788.53	754.72	727.26	706.14	677.81	665.32	656.74
74	604.13	581.78	557.22	546.78	521.21	513.04	518.62
76	459.67	443.13	424.18	413.10	406.15	390.44	377.76
78	337.00	324.58	315.14	307.16	306.01	300.27	303.04
80	248.89	243.03	230.94	229.19	227.96	216.60	222.19
82	166.45	167.88	157.55	157.55	154.67	158.04	157.25
84	103.19	97.57	103.66	99.12	100.15	99.02	97.72
86	43.32	42.05	44.52	45.87	45.74	44.71	45.87
88	6.78	6.44	4.75	6.10	5.88	7.17	5.73
90	0.00	0.04	0.02	0.01	0.00	0.13	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3347.17	N.A.	13.60
0-30	7615.24	N.A.	30.90
0-40	13691.84	N.A.	55.60
0-60	23017.01	N.A.	93.40
0-80	24573.54	N.A.	99.70
0-90	24643.82	N.A.	100.00
10-90	23788.12	N.A.	96.50
20-40	10344.67	N.A.	42.00
20-50	16293.95	N.A.	66.10
40-70	10520.73	N.A.	42.70
60-80	1556.53	N.A.	6.30
70-80	360.98	N.A.	1.50
80-90	70.27	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	24643.82	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	855.70
10-20	2491.46
20-30	4268.07
30-40	6076.6
40-50	5949.28
50-60	3375.9
60-70	1195.56
70-80	360.98
80-90	70.27
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

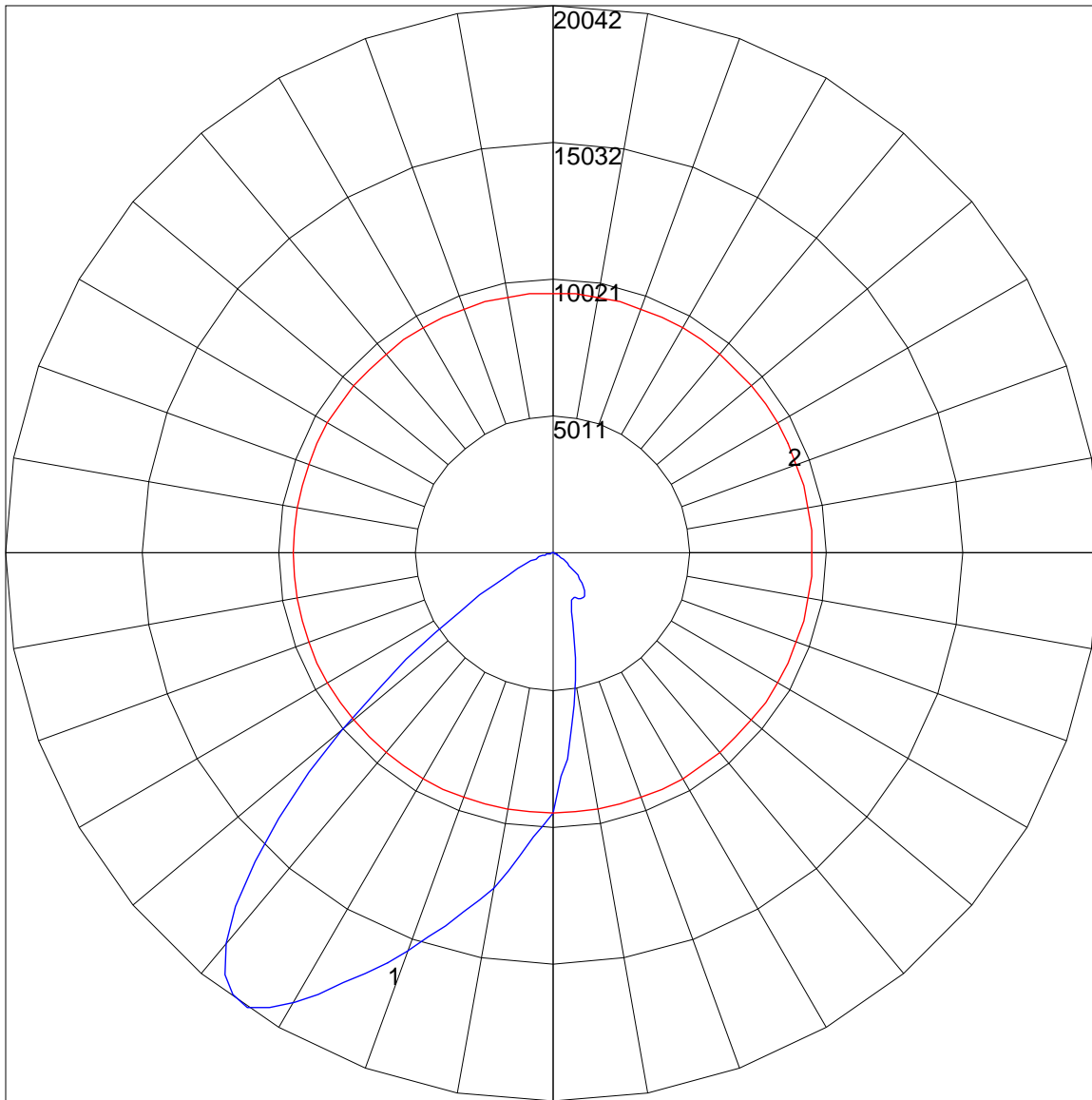
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	85	78	73	92	84	77	72	81	76	71	78	74	70	76	72	69	67
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	80	69	61	55	79	68	60	54	66	59	54	64	58	53	62	57	53	51
6	74	62	54	48	73	61	54	48	60	53	47	58	52	47	56	51	47	45
7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	51	46	42	40
8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	45	39	34	44	38	34	43	38	34	32
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

POLAR GRAPH



Maximum Candela = 20042.45 Located At Horizontal Angle = 175, Vertical Angle = 34
1 - Vertical Plane Through Horizontal Angles (175 - 355) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)