



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL736LEDHTLOMBDWT50120-277V\_S.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.0.4 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TESTDATE] Thu Feb 16 12:52:35 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BL736LEDHTLOWT50MBD120-277V

[LAMP] LED 0.1885W Nichia Warm White LED (65mA)

[LAMPCAT] NFSL757DT-V1

[OTHER] Indoor Photometric Report

[OTHER] LUMINAIRE PROPERTIES

[OTHER] Number of lamps: 256

[OTHER] Lumens per lamp: 81.6

[OTHER] Input watts: 150

[OTHER] Distribution: Direct

[OTHER] Symmetry: None

[OTHER] Photometric Type: C

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 1.4

[OTHER] 90 - 270 Axis: 1.4

[OTHER] Height: 0.4

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16556
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	150
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.64
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	3923	3825	3660
55	1485	1295	1440
65	787	658	749
75	486	384	467
85	305	184	221

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**CANDELA TABULATION**

	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>
<b>0.0</b>	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69
<b>2.5</b>	33071.98	33020.41	32778.71	33034.89	32970.54	32719.58	33083.43	32872.07	33218.41	33251.93
<b>5.0</b>	31861.68	31918.76	31821.35	31859.95	31779.42	31772.54	31483.55	31329.80	31301.23	31425.47
<b>7.5</b>	30580.85	30650.59	30563.51	30396.31	30228.06	29930.43	30015.87	29667.70	29570.89	29822.12
<b>10.0</b>	28860.83	28949.21	28746.95	28365.65	28262.43	27880.62	27653.56	27403.71	27321.70	27182.88
<b>12.5</b>	26592.73	26505.42	26307.09	26094.35	25616.43	25112.67	24800.09	24475.24	24287.48	24294.56
<b>15.0</b>	23890.27	23801.99	23520.28	23156.31	22542.31	22196.14	21658.77	21275.49	21081.81	20981.71
<b>17.5</b>	20769.99	20645.45	20369.16	19909.56	19506.16	19066.39	18476.24	18119.78	17902.55	17837.94
<b>20.0</b>	17585.29	17472.31	17103.59	16746.03	16210.76	15724.13	15330.37	14987.56	14818.73	14768.55
<b>22.5</b>	14266.81	14204.85	13940.11	13607.36	13171.17	12733.65	12420.42	12132.00	11904.71	11914.16
<b>25.0</b>	11104.70	11136.52	10955.74	10655.33	10323.26	10038.75	9773.29	9461.08	9282.94	9332.25
<b>27.5</b>	8361.76	8394.25	8277.49	8080.64	7912.49	7663.85	7505.62	7228.43	7065.78	7080.81
<b>30.0</b>	6015.02	6000.87	5961.78	5958.93	5823.72	5709.28	5502.99	5333.60	5166.79	5128.08
<b>32.5</b>	4146.22	4206.19	4280.86	4271.14	4234.06	4126.10	3995.67	3827.40	3724.15	3670.19
<b>35.0</b>	2874.89	2900.31	2935.83	2993.54	3011.22	2942.97	2835.88	2684.39	2567.09	2562.32
<b>37.5</b>	1921.20	1972.25	2021.38	2051.92	2091.79	2034.28	1955.51	1856.28	1792.92	1755.79
<b>40.0</b>	1298.13	1298.42	1350.01	1399.49	1424.63	1405.20	1341.33	1263.99	1209.89	1207.80
<b>42.5</b>	899.03	901.56	930.38	962.01	977.58	967.26	916.70	872.68	840.32	854.41
<b>45.0</b>	632.51	647.41	653.50	668.60	682.51	667.73	640.59	622.76	616.01	592.45
<b>47.5</b>	462.90	463.20	477.13	490.63	489.01	482.98	468.10	455.32	449.81	446.17
<b>50.0</b>	353.35	347.95	353.23	353.60	355.21	363.91	350.67	347.14	333.84	341.28
<b>52.5</b>	267.61	279.78	267.27	269.67	267.60	264.94	268.00	259.68	270.29	260.20
<b>55.0</b>	212.65	211.94	207.33	209.42	210.27	206.56	205.23	204.73	206.89	207.35
<b>57.5</b>	167.33	170.30	163.94	169.42	164.80	164.53	166.55	161.08	162.66	167.51
<b>60.0</b>	136.68	133.16	135.51	129.77	136.27	132.21	132.05	133.35	132.68	135.61
<b>62.5</b>	115.17	113.33	113.17	109.07	104.87	109.67	110.15	112.99	112.94	108.86
<b>65.0</b>	95.08	96.95	94.66	91.73	91.74	92.98	88.88	92.79	95.08	91.07
<b>67.5</b>	76.99	80.76	77.13	77.26	77.81	73.50	75.38	76.70	77.08	79.85
<b>70.0</b>	69.17	67.22	65.56	62.84	65.99	65.30	65.23	62.55	63.03	68.88
<b>72.5</b>	56.66	56.57	57.09	55.33	53.54	56.29	53.86	55.95	56.45	55.49
<b>75.0</b>	46.10	49.46	48.03	47.15	45.45	43.46	48.10	44.41	46.55	44.72
<b>77.5</b>	42.46	41.05	39.63	40.25	40.40	37.86	37.52	38.09	38.43	37.60
<b>80.0</b>	33.43	35.30	32.77	31.55	33.42	31.55	31.94	30.90	32.98	30.80
<b>82.5</b>	29.72	27.17	26.15	26.10	24.95	25.32	24.53	24.67	27.64	25.84
<b>85.0</b>	20.09	19.40	17.56	17.12	16.03	16.20	16.17	14.79	15.80	14.78
<b>87.5</b>	3.88	3.33	3.58	3.54	3.76	4.25	3.52	3.52	4.08	3.24
<b>90.0</b>	0.00	0.00	0.03	0.04	0.03	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>107.5</b>	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>112.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>122.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>127.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130.0</b>	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
<b>132.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**CANDELA TABULATION - (Cont.)**

135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.  
Angles**

**Horizontal Angles**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69
2.5	32998.89	33275.63	32686.39	33023.25	32990.79	33714.02	33538.56	33394.46	33445.25	33234.64
5.0	31675.40	31530.89	31767.20	32168.48	31962.82	31876.10	32104.17	32470.76	32598.24	32212.19
7.5	29741.67	30069.82	30036.01	30420.94	30785.07	30860.29	31091.89	31234.89	31291.33	31210.67
10.0	27380.36	27600.79	27822.18	28270.93	28608.66	29050.49	29464.91	29483.20	29670.74	29431.26
12.5	24358.37	24765.26	25137.26	25647.15	26166.82	26536.26	26994.09	27165.49	27157.99	27142.71
15.0	21196.56	21571.61	22006.13	22528.05	23068.97	23494.27	24014.91	24314.30	24384.95	24275.47
17.5	18006.07	18421.08	18872.07	19390.42	19913.37	20438.22	20732.26	21037.27	21110.31	20971.73
20.0	14895.44	15228.42	15571.17	16027.15	16489.13	16852.60	17285.37	17469.90	17502.80	17487.89
22.5	11966.77	12303.83	12608.18	13054.96	13323.79	13597.80	13842.29	14001.24	14067.38	14050.24
25.0	9362.91	9666.20	9961.30	10163.93	10436.03	10652.13	10744.78	10806.06	10919.49	10779.90
27.5	7135.10	7344.78	7562.88	7750.57	7883.15	7943.38	7956.32	8008.80	8007.37	7981.03
30.0	5238.67	5373.98	5616.17	5714.62	5786.61	5795.59	5782.44	5698.39	5713.69	5745.87
32.5	3711.61	3853.65	4012.24	4134.40	4147.65	4138.92	4039.59	3968.12	3969.03	4003.57
35.0	2608.65	2704.41	2833.73	2905.98	2926.86	2868.77	2784.96	2723.00	2701.75	2719.03
37.5	1780.49	1853.69	1954.02	1989.80	2016.23	1980.21	1909.12	1863.10	1820.78	1848.31
40.0	1232.40	1261.85	1317.16	1371.91	1390.60	1339.92	1290.61	1247.12	1239.36	1252.59
42.5	847.48	884.97	913.21	938.25	947.02	934.65	895.42	862.49	858.00	868.67
45.0	607.41	622.96	633.76	653.95	666.19	640.89	627.50	608.34	602.78	605.27
47.5	446.13	452.34	463.95	468.93	477.60	464.45	451.84	450.30	446.25	448.89
50.0	345.25	337.26	342.16	348.02	351.15	350.82	342.13	339.20	337.98	338.34
52.5	263.01	261.96	263.87	266.79	270.96	261.97	256.95	258.55	258.75	268.02
55.0	206.44	202.96	209.47	208.65	208.00	203.52	203.68	202.29	204.27	205.77
57.5	167.46	161.99	163.13	169.10	161.11	158.98	164.46	163.05	163.50	161.25
60.0	134.49	135.04	132.16	131.03	130.55	133.11	133.89	131.87	135.12	135.16
62.5	111.55	111.16	112.86	106.73	107.59	109.90	110.13	111.95	112.00	110.16
65.0	92.53	92.63	92.71	93.78	87.78	89.26	91.20	92.87	94.52	94.37
67.5	80.80	75.49	78.77	75.94	72.73	75.10	78.56	80.24	80.70	76.41
70.0	63.51	66.70	64.35	66.48	65.21	65.17	66.10	67.15	67.71	68.36
72.5	54.47	53.53	55.72	53.96	52.98	54.60	55.00	55.87	57.54	57.55
75.0	46.35	46.35	44.01	45.93	47.42	45.99	48.00	49.91	45.54	47.52
77.5	38.70	39.69	37.61	39.83	36.13	38.37	39.14	42.47	39.69	41.13
80.0	30.14	32.10	30.13	32.30	31.78	33.32	34.44	33.72	35.97	34.23

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**CANDELA TABULATION - (Cont.)**

82.5	27.36	23.93	25.73	26.32	24.16	27.44	28.00	27.01	29.17	27.49
85.0	15.53	16.03	15.47	16.86	17.22	16.60	18.45	19.90	18.52	18.96
87.5	3.47	4.08	3.84	3.80	3.82	3.34	3.51	3.44	4.67	3.51
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.  
Angles**

**Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69
2.5	33178.90	33279.94	33150.44	33191.97	33033.96	33120.15	33125.30	32915.99	33006.23	33053.30
5.0	32238.99	31997.38	31955.25	31872.34	31616.14	31482.91	31412.51	31248.13	31558.81	31276.72
7.5	31014.96	30953.95	30653.15	30017.62	30046.18	29785.37	29573.75	29571.32	29508.86	29581.94
10.0	29313.47	28981.58	28529.01	28189.16	27765.38	27366.57	27107.25	27047.25	27079.84	27192.93
12.5	26815.09	26339.49	25858.81	25409.82	24970.17	24546.59	24210.35	23847.50	24087.81	24175.27
15.0	24006.36	23409.96	22932.30	22398.04	21895.95	21427.01	20967.30	20869.30	20838.51	21143.96
17.5	20693.07	20199.88	19776.93	19166.39	18805.62	18154.91	17808.29	17731.82	17684.94	17987.85
20.0	17181.78	16763.22	16413.22	15875.79	15513.53	15117.85	14757.26	14687.69	14700.93	14943.25
22.5	13772.52	13548.34	13205.20	12842.66	12637.04	12198.29	11950.38	11803.22	11822.52	12021.13
25.0	10713.67	10524.58	10328.83	10124.25	9897.39	9611.10	9397.47	9251.68	9271.90	9470.82
27.5	7986.22	7921.51	7813.83	7715.54	7540.78	7335.05	7083.56	7031.08	7086.88	7248.30

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

30.0	5728.41	5762.33	5737.08	5687.98	5575.77	5436.06	5252.86	5182.65	5184.94	5329.68
32.5	4042.20	4110.99	4145.84	4147.92	4014.28	3883.58	3728.85	3691.85	3714.02	3835.86
35.0	2768.23	2871.41	2907.12	2879.39	2836.67	2701.36	2595.17	2561.81	2583.89	2669.95
37.5	1894.83	1972.70	2015.49	2014.74	1943.96	1878.76	1803.49	1764.22	1786.61	1850.28
40.0	1272.67	1336.11	1371.40	1374.90	1324.12	1279.44	1226.70	1210.48	1221.82	1262.08
42.5	884.38	924.84	958.93	938.36	916.29	900.20	861.32	851.52	851.82	892.11
45.0	624.61	632.48	659.42	657.88	640.45	632.76	614.39	612.65	620.64	631.11
47.5	459.64	470.60	463.03	475.12	465.01	448.02	458.65	446.63	453.82	458.11
50.0	336.02	343.34	354.15	357.53	347.81	342.68	340.80	341.13	343.67	341.22
52.5	259.50	266.60	266.45	262.22	263.55	264.71	266.89	267.59	268.58	261.07
55.0	207.12	206.62	200.96	207.29	209.72	212.29	203.05	207.30	212.09	206.47
57.5	160.93	162.02	159.66	161.19	162.39	166.30	168.95	169.16	170.78	165.61
60.0	131.44	130.26	130.07	131.81	132.24	135.33	137.43	136.51	131.84	135.70
62.5	110.19	108.32	106.27	104.89	104.79	105.78	113.90	112.92	112.42	109.19
65.0	93.38	93.04	87.85	93.15	87.42	92.15	95.05	95.59	93.05	90.64
67.5	77.58	78.04	73.51	79.20	77.09	81.07	78.45	76.76	79.34	79.24
70.0	64.54	65.58	66.62	63.06	64.54	66.94	66.68	65.83	65.28	67.91
72.5	56.13	52.76	55.20	52.55	54.16	54.93	57.01	55.49	53.05	55.19
75.0	49.79	47.48	45.55	43.75	43.74	42.91	46.81	45.85	45.43	46.95
77.5	39.12	39.22	37.31	37.09	37.03	38.74	38.31	38.22	36.90	39.56
80.0	32.98	33.79	31.73	33.43	33.05	30.34	33.43	31.59	31.12	32.09
82.5	27.01	25.67	25.79	24.51	24.69	25.85	24.27	25.20	24.91	25.16
85.0	17.73	17.93	15.92	15.79	15.93	14.64	13.68	14.43	15.57	14.58
87.5	3.46	3.25	4.10	4.27	4.22	3.58	4.24	4.18	3.64	3.43
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**  
**Angles**

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69	34542.69
2.5	32797.13	32814.31	33260.02	32909.20	32848.80	32851.58	33073.03
5.0	31338.96	31505.21	31828.64	31887.24	31843.22	31768.59	31861.68
7.5	29757.10	29806.26	30004.57	30195.02	30432.33	30591.36	30581.10
10.0	27375.93	27768.64	27959.03	28302.63	28671.70	28991.96	28860.89
12.5	24588.73	24870.90	25422.20	25855.48	26216.12	26469.11	26592.83
15.0	21510.36	22015.75	22454.01	23026.49	23394.50	23707.47	23890.27
17.5	18405.47	18814.77	19346.35	19891.55	20297.79	20622.00	20769.99
20.0	15265.79	15701.76	16068.73	16628.86	17065.50	17411.02	17585.32
22.5	12356.76	12658.59	13100.85	13481.45	13851.86	14095.03	14266.81
25.0	9771.74	10003.76	10262.73	10600.80	10871.49	11042.57	11104.74
27.5	7425.98	7637.39	7869.16	8042.42	8204.61	8297.33	8361.76
30.0	5536.11	5687.34	5816.95	5895.80	6007.62	5986.69	6015.02
32.5	3998.03	4155.13	4230.89	4239.19	4238.24	4185.13	4146.27
35.0	2816.18	2972.13	2993.72	2977.35	2908.64	2879.45	2874.92
37.5	1934.96	2050.78	2101.49	2047.01	2008.20	1940.67	1921.25
40.0	1351.42	1404.38	1433.85	1404.70	1343.98	1313.21	1298.13
42.5	928.54	961.41	983.81	970.56	929.83	899.69	899.12
45.0	654.67	678.43	683.60	671.79	650.76	635.58	632.54
47.5	476.09	485.12	494.42	480.94	469.01	469.28	462.90
50.0	345.94	354.79	354.86	351.32	353.08	349.07	353.41
52.5	272.97	269.46	273.01	273.00	273.42	270.46	267.61
55.0	208.26	211.27	212.71	212.25	211.97	208.95	212.68
57.5	167.31	167.18	162.18	167.54	168.50	160.63	167.33
60.0	134.78	136.61	128.39	134.99	136.65	136.82	136.68
62.5	108.17	109.23	109.79	109.36	111.42	110.87	115.17
65.0	86.99	90.30	90.30	92.07	92.31	96.04	95.08
67.5	79.40	76.43	76.85	79.49	77.23	81.32	77.00
70.0	62.21	65.61	65.48	67.10	64.85	68.53	69.17
72.5	53.86	55.27	54.71	54.10	58.51	56.42	56.70
75.0	46.61	43.40	46.58	44.91	49.95	48.58	46.13
77.5	38.72	39.85	40.27	37.72	38.47	40.70	42.50
80.0	33.10	32.42	31.76	32.20	34.78	34.15	33.43
82.5	25.31	23.84	27.08	26.66	27.04	27.45	29.77
85.0	14.91	15.03	17.31	16.03	18.31	19.05	20.09
87.5	4.56	4.25	4.54	4.40	3.45	3.26	3.88
90.0	0.00	0.00	0.00	0.04	0.01	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.03	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.03	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	9099.03	N.A.	55.00
0-30	13790.16	N.A.	83.30
0-40	15658.99	N.A.	94.60
0-60	16394.78	N.A.	99.00
0-80	16538.64	N.A.	99.90
0-90	16555.73	N.A.	100.00
10-90	13627.38	N.A.	82.30
20-40	6559.96	N.A.	39.60
20-50	7100.39	N.A.	42.90
40-70	829.60	N.A.	5.00
60-80	143.87	N.A.	0.90
70-80	50.06	N.A.	0.30
80-90	17.09	N.A.	0.10
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	16555.74	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	2928.35
10-20	6170.68
20-30	4691.13
30-40	1868.83
40-50	540.43
50-60	195.35
60-70	93.81
70-80	50.06
80-90	17.09
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

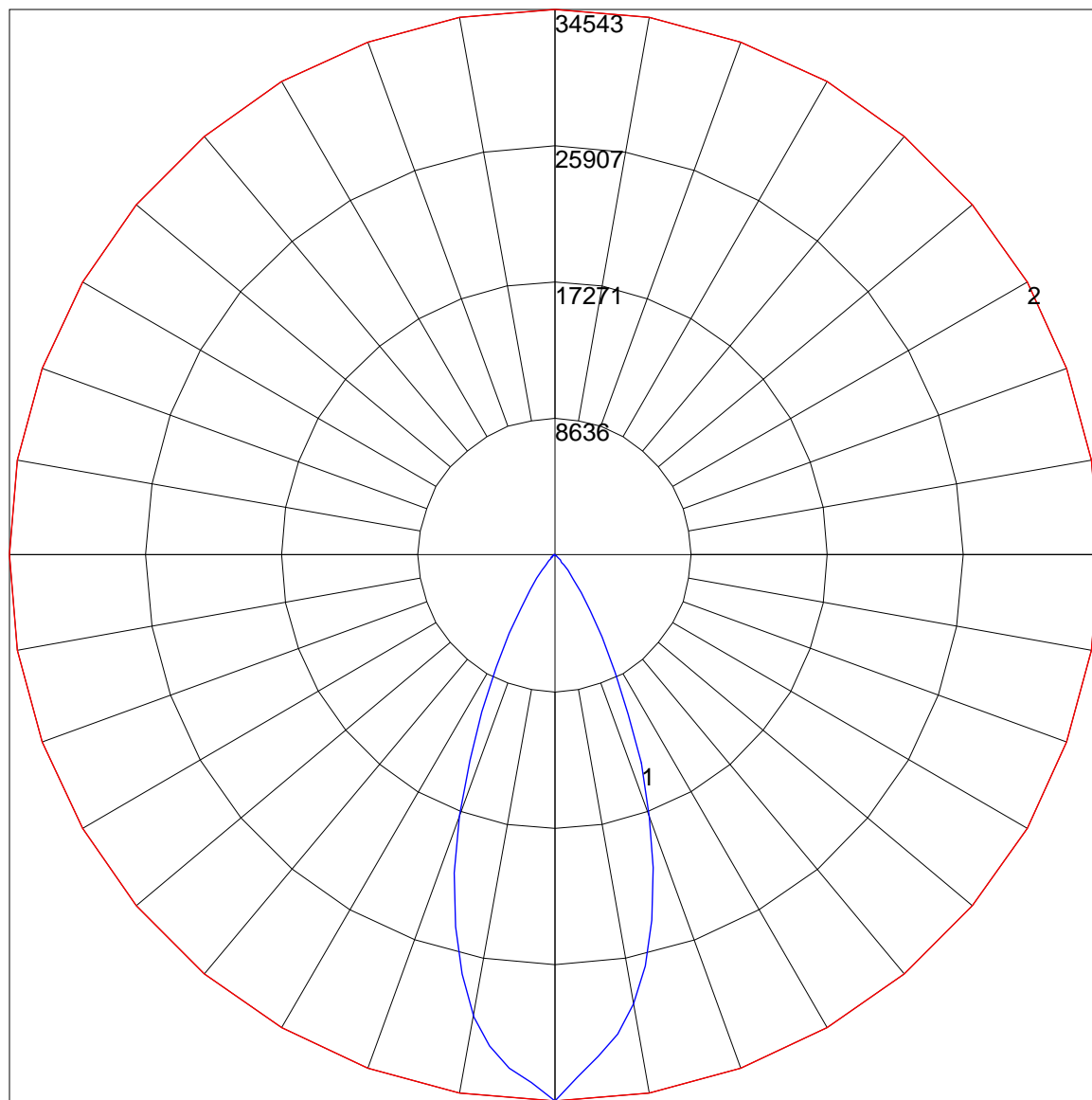
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BL736LEDHTLOMBDWT50120-277V\_S.IES**

**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	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75
6	92	84	78	75	90	83	78	74	82	77	74	80	76	73	79	76	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	76	70	67	74	70	67	74	69	66	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59

POLAR GRAPH



Maximum Candela = 34542.69 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)