



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SLLED8HTHOWT50120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.2.0 see: www.ltioptics.com/ies

[TESTDATE] Tue Aug 01 18:03:50 2017

[ISSUEDATE]

[MANUFAC] BEGHELLI

[LUMINAIRE] SLLED8HTHOWT50120-277V

[LAMP] LED 0.3W White 2323 package (65mA)

[LAMPCAT] SPMWHT221MD5WAT0S0

[OTHER] Indoor Photometric Report

[OTHER] LUMINAIRE PROPERTIES

[OTHER] Number of lamps: 654

[OTHER] Lumens per lamp: 10.7

[OTHER] Input watts: 60

[OTHER] Distribution: Direct

[OTHER] Symmetry: Quadrilateral

[OTHER] Photometric Type: C

[OTHER] Luminous shape: Circle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 8.0

[OTHER] 90 - 270 Axis: 0.3

[OTHER] Height: 0.3

CHARACTERISTICS

Lumens Per Lamp	10.72 (654 lamps)
Total Lamp Lumens	7010.88
Luminaire Lumens	6099
Total Luminaire Efficiency	87 %
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.04 ft
Luminous Width (90-270)	0.29 ft
Luminous Height	0.31 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8864	5186	4666
55	7834	4341	3790
65	5791	3357	2616
75	3210	2040	1329
85	1220	1036	766

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70
5	2108.97	2112.67	2120.49	2113.69	2122.31	2109.83	2121.17	2122.77	2122.95	2126.90
10	2088.01	2078.00	2083.59	2085.08	2079.65	2081.68	2084.71	2086.64	2080.00	2085.43
15	2033.77	2034.02	2030.85	2030.84	2036.90	2026.57	2032.76	2034.15	2030.21	2033.99
20	1964.82	1963.40	1964.47	1962.65	1964.70	1966.11	1962.20	1962.19	1962.00	1955.92
25	1885.17	1886.11	1886.73	1884.36	1881.44	1882.97	1880.30	1877.00	1870.26	1866.58
30	1792.15	1793.60	1790.23	1791.72	1787.03	1779.61	1772.64	1770.72	1765.05	1763.70
35	1685.59	1684.73	1680.55	1679.21	1669.73	1663.71	1656.50	1651.47	1652.57	1654.60
40	1559.30	1557.87	1552.62	1546.63	1539.40	1535.13	1526.93	1527.53	1531.89	1535.97
45	1405.78	1406.33	1403.01	1398.20	1389.31	1391.45	1390.80	1395.25	1403.76	1410.98
50	1229.42	1228.02	1226.93	1226.51	1224.73	1230.12	1240.60	1256.57	1268.93	1280.91
55	1023.64	1021.90	1024.96	1032.24	1041.64	1062.26	1085.43	1106.30	1126.00	1137.91
60	796.84	799.48	806.80	822.77	849.21	881.20	918.40	946.48	972.24	986.32
65	572.09	575.68	591.04	617.34	657.11	704.23	747.61	783.41	806.41	819.96
70	367.27	373.88	394.07	430.89	481.28	533.08	578.32	611.42	630.59	634.67
75	205.11	212.59	236.69	278.16	329.39	378.19	417.01	440.10	448.14	446.62
80	94.47	101.91	125.51	163.12	206.24	244.39	270.93	287.19	291.65	290.85
85	33.01	38.52	57.02	85.30	117.07	145.06	165.48	180.92	189.15	193.63
90	9.16	14.62	28.54	49.14	73.88	94.94	113.03	129.13	139.90	147.80

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70	2132.70
5	2109.91	2115.13	2122.54	2124.78	2122.48	2122.52	2117.69	2112.78	2117.27
10	2086.50	2085.64	2090.95	2093.18	2088.37	2088.46	2082.86	2086.97	2090.99
15	2035.23	2032.42	2036.65	2030.26	2033.16	2033.77	2030.47	2030.23	2035.06
20	1959.69	1958.78	1956.33	1960.82	1953.66	1961.04	1955.49	1955.67	1958.56
25	1869.41	1863.80	1872.17	1870.86	1868.40	1870.53	1869.89	1870.79	1872.22
30	1764.26	1765.78	1766.73	1772.01	1773.57	1777.58	1783.84	1782.58	1782.36
35	1652.46	1658.92	1665.74	1670.65	1678.87	1678.76	1686.24	1688.32	1689.38
40	1541.25	1549.87	1554.43	1561.99	1570.68	1575.29	1579.41	1581.11	1587.18
45	1418.94	1430.50	1436.35	1443.06	1451.28	1460.38	1465.96	1467.81	1472.86
50	1291.75	1301.12	1308.70	1316.50	1323.92	1325.09	1331.88	1334.67	1335.23
55	1151.36	1159.46	1164.95	1172.73	1172.72	1177.45	1181.33	1182.38	1184.82
60	997.07	1001.02	1004.19	1003.45	1004.97	1003.53	1001.60	1002.41	1004.67
65	823.64	822.74	819.39	810.01	802.51	795.40	789.89	786.07	784.99
70	631.37	621.80	605.65	591.98	579.09	570.63	563.10	558.40	557.79
75	435.35	422.72	408.41	395.41	385.73	379.07	373.53	371.99	370.03
80	286.57	280.82	274.12	268.04	264.17	260.31	256.55	256.95	255.54
85	195.75	196.17	195.01	192.72	191.96	190.44	189.83	188.69	190.20
90	151.65	154.78	157.16	157.29	155.38	157.18	157.47	156.64	156.51

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	774.57	11.00	12.70
0-30	1639.01	23.40	26.90
0-40	2684.24	38.30	44.00
0-60	4776.54	68.10	78.30
0-80	5916.12	84.40	97.00
0-90	6098.96	87.00	100.00
10-90	5897.75	84.10	96.70
20-40	1909.68	27.20	31.30
20-50	3006.06	42.90	49.30
40-70	2829.49	40.40	46.40
60-80	1139.58	16.30	18.70
70-80	402.38	5.70	6.60
80-90	182.84	2.60	3.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	6098.96	87.00	100.00

Total Luminaire Efficiency = 87.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	201.21
10-20	573.36
20-30	864.44
30-40	1045.23
40-50	1096.38
50-60	995.91
60-70	737.20
70-80	402.38
80-90	182.84
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

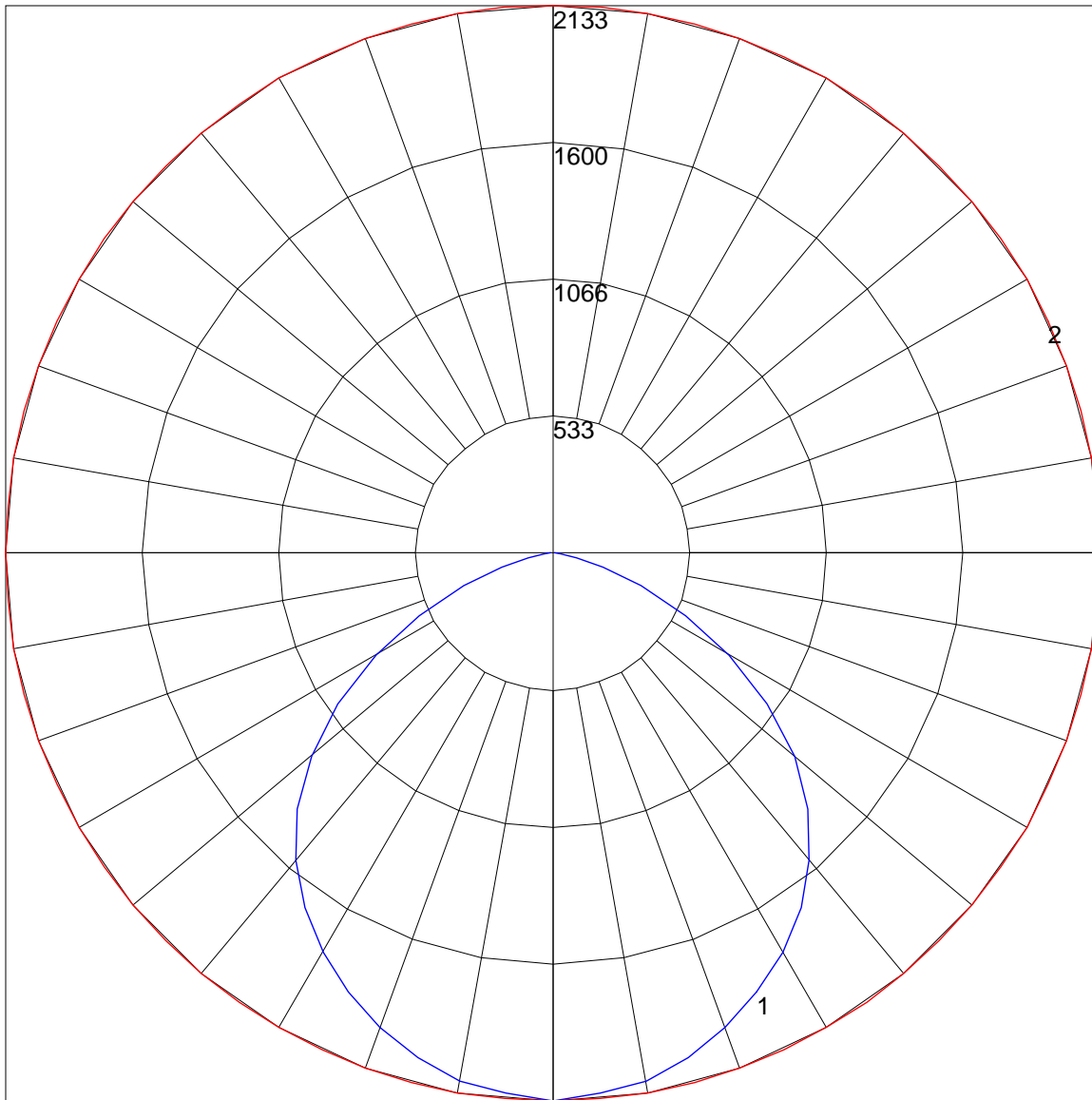
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	104	101	101	101	101	97	97	97	93	93	93	89	89	89	87
1	94	90	86	83	92	88	84	81	84	81	79	81	78	76	78	76	74	72
2	86	78	72	67	83	77	71	66	74	69	65	71	67	63	68	65	62	60
3	78	69	61	56	76	67	61	55	65	59	54	62	57	53	60	56	52	50
4	71	61	53	47	69	60	52	47	57	51	46	55	50	46	54	49	45	43
5	66	54	46	41	64	53	46	40	51	45	40	50	44	39	48	43	39	37
6	61	49	41	35	59	48	41	35	46	40	35	45	39	35	44	38	34	32
7	56	44	37	31	55	44	36	31	42	36	31	41	35	31	40	34	30	29
8	52	40	33	28	51	40	33	28	39	32	28	38	32	27	36	31	27	25
9	49	37	30	25	48	37	30	25	36	29	25	35	29	25	34	28	25	23
10	46	34	27	23	45	34	27	23	33	27	22	32	26	22	31	26	22	21

POLAR GRAPH



Maximum Candela = 2132.7 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.)