

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P160122

Luminaire Tested: **ENV-E02-LED-E1-BL2-ULG**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P160122
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENV-E02-LED-E1-BL2-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5791.7 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U3 - G1

Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

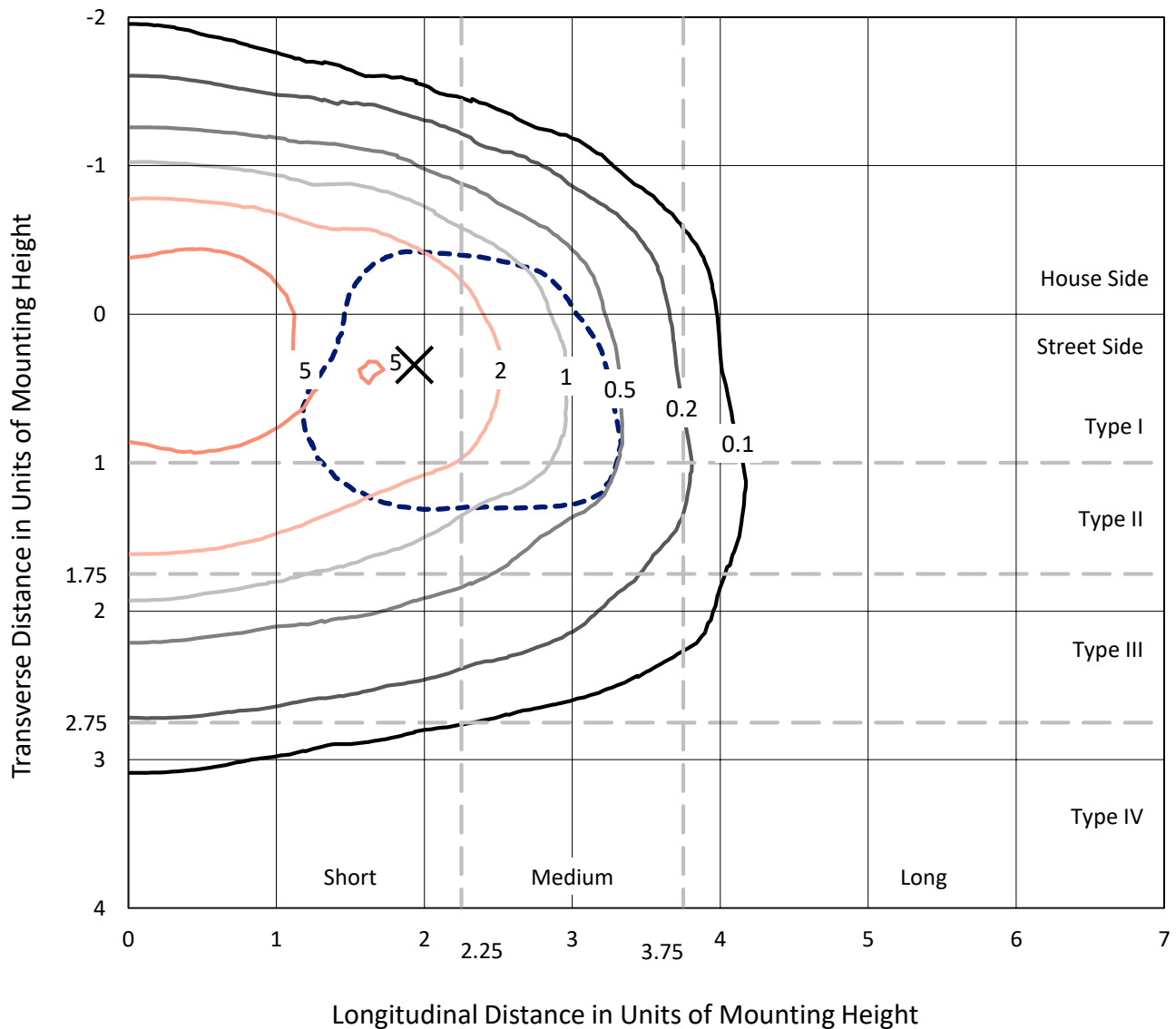


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

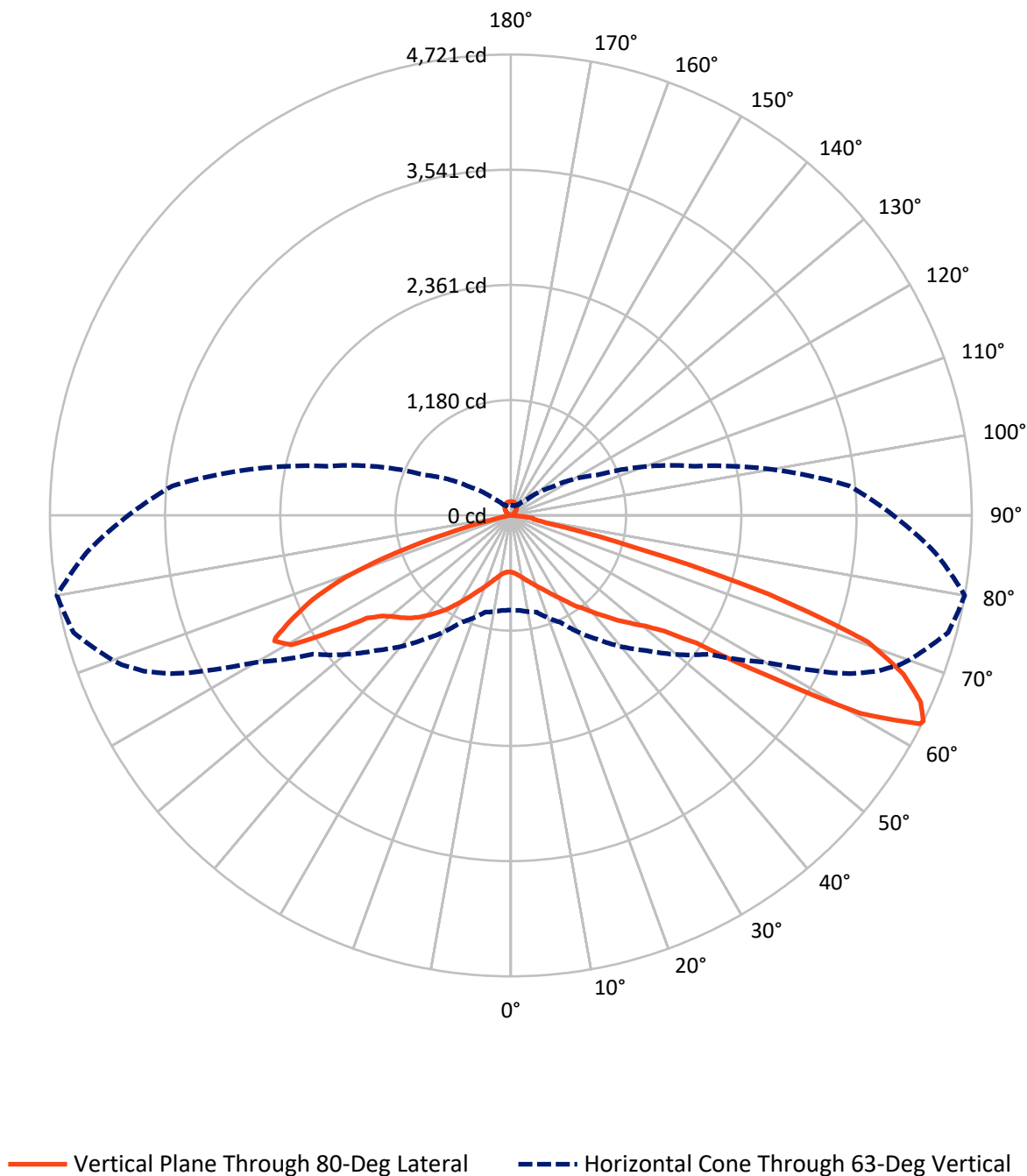


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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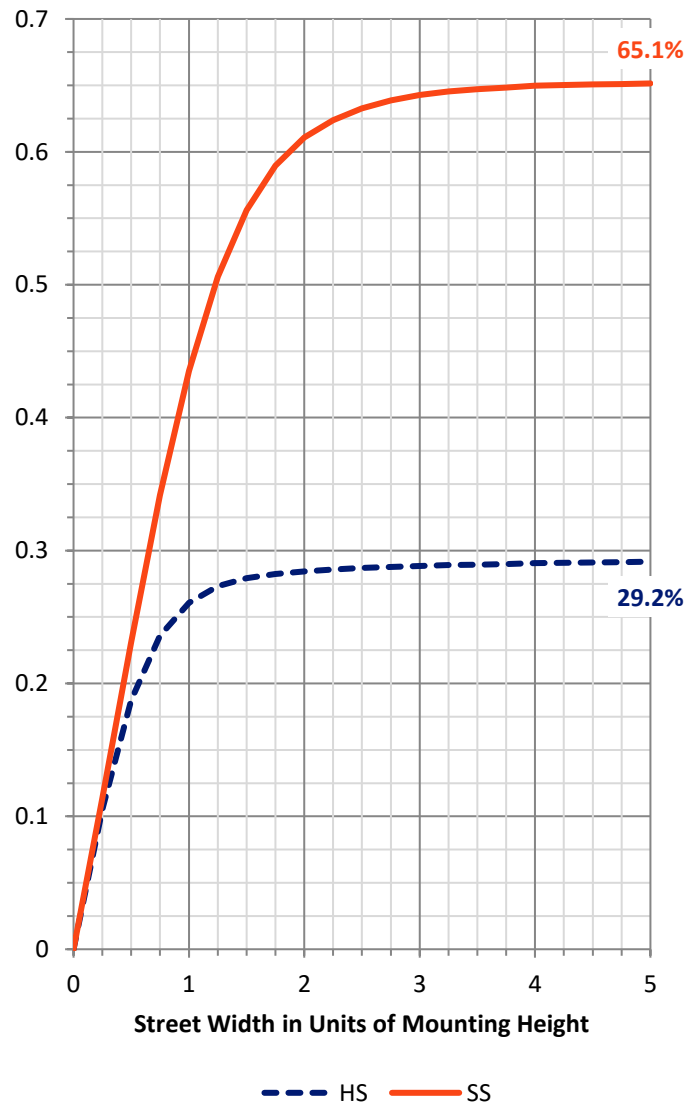
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1705.5	157.7	1863.2
	% Fixture	29.4	2.7	32.2
Street Side	Lumens	3770.7	157.7	3928.5
	% Fixture	65.1	2.7	67.8
Total	Lumens	5476.2	315.5	5791.7
	% Fixture	94.6	5.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.0
10°-20°	199.4	3.4
20°-30°	374.6	6.5
30°-40°	594.6	10.3
40°-50°	897.5	15.5
50°-60°	1261.5	21.8
60°-70°	1471.9	25.4
70°-80°	569.0	9.8
80°-90°	49.5	0.9
90°-100°	1.3	0.0
100°-110°	12.3	0.2
110°-120°	25.2	0.4
120°-130°	43.0	0.7
130°-140°	60.0	1.0
140°-150°	65.4	1.1
150°-160°	56.9	1.0
160°-170°	38.2	0.7
170°-180°	13.3	0.2
0°-90°	5476.2	94.6
0°-180°	5791.7	100.0

Coefficient of Utilization



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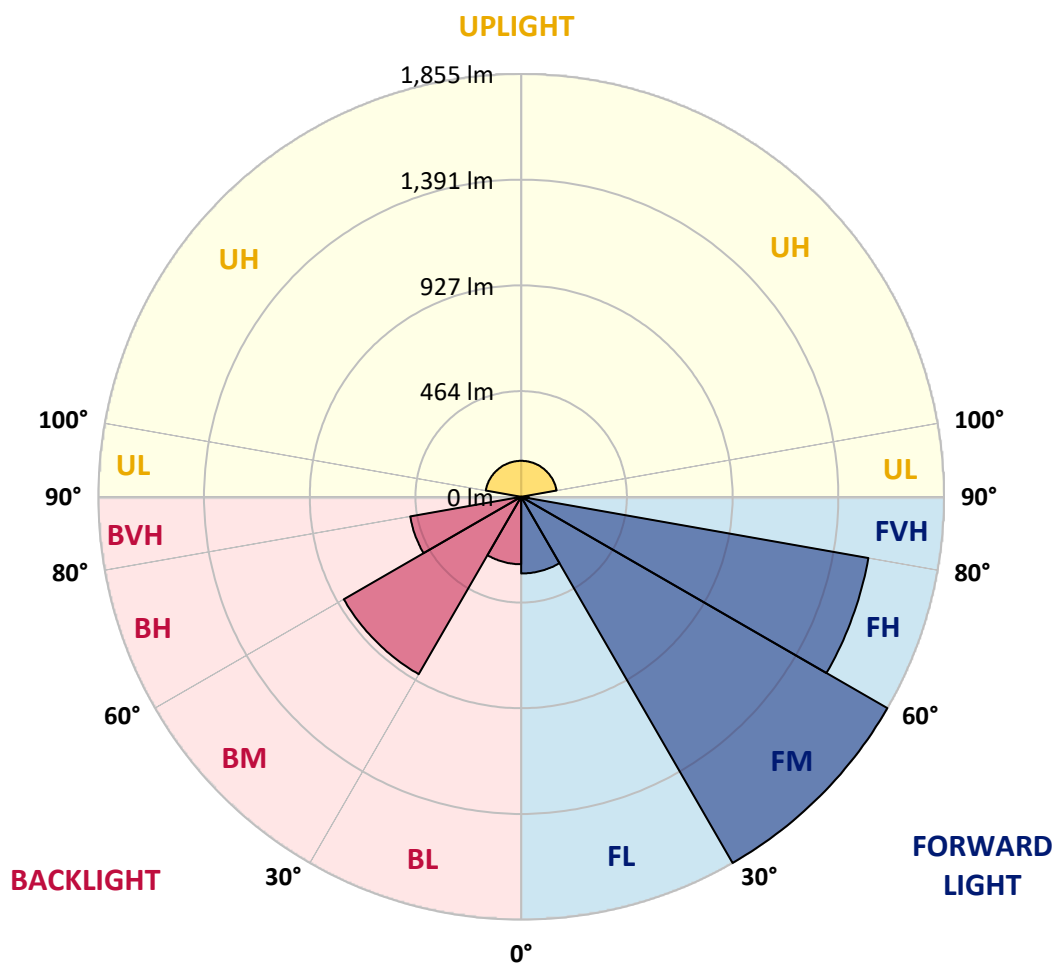
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.3	5.8			
FM	(30°-60°)	1854.9	32.0			
FH	(60°-80°)	1546.5	26.7			G1/1800
FVH	(80°-90°)	33.0	0.6			G1/100
BL	(0°-30°)	295.8	5.1	B1/500		
BM	(30°-60°)	898.7	15.5	B1/1000		
BH	(60°-80°)	494.4	8.5	B1/500		G1/500
BVH	(80°-90°)	16.5	0.3			G1/100
UL	(90°-100°)	1.3	0.0		U1/10	
UH	(100°-180°)	157.7	2.7		U3/500	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0
2.5°	609.0	607.0	608.0	607.0	607.0	605.0	599.0	599.0	598.0	599.0	597.0
5°	642.0	641.0	640.0	638.0	638.0	634.0	624.0	622.0	623.0	621.0	617.0
7.5°	679.0	678.0	676.0	672.0	670.0	664.0	650.0	648.0	647.0	645.0	642.0
10°	716.0	715.0	712.0	707.0	702.0	693.0	679.0	674.0	673.0	672.0	669.0
12.5°	754.0	751.0	752.0	743.0	735.0	724.0	708.0	703.0	702.0	701.0	700.0
15°	796.0	795.0	793.0	781.0	766.0	751.0	735.0	729.0	725.0	726.0	725.0
17.5°	836.0	835.0	828.0	811.0	791.0	774.0	754.0	750.0	750.0	749.0	749.0
20°	865.0	864.0	857.0	836.0	810.0	791.0	775.0	775.0	774.0	775.0	776.0
22.5°	878.0	878.0	869.0	846.0	818.0	804.0	799.0	802.0	803.0	804.0	806.0
25°	883.0	883.0	874.0	847.0	821.0	823.0	829.0	834.0	836.0	836.0	843.0
27.5°	892.0	893.0	881.0	852.0	831.0	850.0	865.0	872.0	875.0	877.0	886.0
30°	919.0	918.0	908.0	877.0	861.0	888.0	915.0	922.0	929.0	929.0	939.0
32.5°	959.0	958.0	952.0	928.0	921.0	955.0	979.0	994.0	993.0	995.0	1002.0
35°	1012.0	1013.0	1017.0	1011.0	1017.0	1051.0	1078.0	1084.0	1085.0	1086.0	1087.0
37.5°	1072.0	1073.0	1095.0	1114.0	1141.0	1191.0	1207.0	1210.0	1203.0	1203.0	1201.0
40°	1117.0	1122.0	1171.0	1221.0	1278.0	1346.0	1370.0	1364.0	1359.0	1355.0	1343.0
42.5°	1209.0	1212.0	1264.0	1336.0	1416.0	1510.0	1552.0	1532.0	1531.0	1513.0	1504.0
45°	1301.0	1309.0	1365.0	1446.0	1542.0	1672.0	1734.0	1717.0	1714.0	1706.0	1681.0
47.5°	1374.0	1385.0	1447.0	1543.0	1653.0	1803.0	1914.0	1926.0	1919.0	1910.0	1890.0
50°	1436.0	1445.0	1508.0	1613.0	1739.0	1903.0	2062.0	2105.0	2111.0	2107.0	2102.0
52.5°	1476.0	1485.0	1547.0	1659.0	1789.0	1977.0	2172.0	2257.0	2275.0	2274.0	2295.0
55°	1477.0	1487.0	1551.0	1674.0	1817.0	2028.0	2274.0	2408.0	2430.0	2457.0	2502.0
57.5°	1422.0	1432.0	1512.0	1654.0	1825.0	2068.0	2373.0	2609.0	2669.0	2722.0	2846.0
60°	1269.0	1273.0	1361.0	1551.0	1787.0	2059.0	2448.0	2782.0	2867.0	2982.0	3182.0
62.5°	1034.0	1042.0	1096.0	1281.0	1610.0	1980.0	2478.0	2975.0	3115.0	3283.0	3603.0
63°	969.0	976.0	1026.0	1209.0	1550.0	1955.0	2477.0	3006.0	3160.0	3333.0	3678.0
65°	748.0	750.0	787.0	925.0	1272.0	1773.0	2423.0	2962.0	3157.0	3359.0	3721.0
67.5°	603.0	610.0	647.0	744.0	1005.0	1489.0	2181.0	2566.0	2699.0	2898.0	3329.0
70°	472.0	484.0	519.0	629.0	857.0	1199.0	1835.0	2142.0	2224.0	2319.0	2685.0
72.5°	312.0	315.0	321.0	382.0	598.0	933.0	1527.0	1736.0	1768.0	1836.0	2015.0
75°	147.0	158.0	167.0	198.0	289.0	611.0	1107.0	1233.0	1271.0	1342.0	1407.0
77.5°	64.0	63.0	67.0	91.0	152.0	272.0	689.0	911.0	924.0	908.0	880.0
80°	20.0	21.0	22.0	24.0	48.0	130.0	298.0	612.0	676.0	719.0	707.0
82.5°	2.0	1.0	3.0	6.0	10.0	19.0	112.0	287.0	361.0	443.0	548.0
85°	0.0	0.0	1.0	1.0	2.0	4.0	7.0	30.0	50.0	58.0	115.0
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	3.0	4.0	4.0	4.0	4.0
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
97.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
100°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
105°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
107.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7

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CATALOG NUMBER: ENV-E02-LED-E1-BL2-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
110°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
112.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
115°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
117.5°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
120°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
122.5°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
125°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
127.5°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
130°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
132.5°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
135°	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
137.5°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
140°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
142.5°	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
145°	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
147.5°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
150°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
152.5°	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7
155°	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7
157.5°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
160°	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
162.5°	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
165°	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0
167.5°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
170°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
172.5°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
175°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
177.5°	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1
180°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8

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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	75°	80°	85°	90°	95°
0°	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0
2.5°	596.0	596.0	594.0	595.0	594.0	594.0	592.0	590.0	589.0	584.0	581.0
5°	617.0	617.0	616.0	614.0	614.0	613.0	608.0	603.0	600.0	594.0	588.0
7.5°	641.0	640.0	638.0	636.0	636.0	635.0	628.0	623.0	617.0	608.0	601.0
10°	669.0	668.0	666.0	663.0	663.0	662.0	655.0	647.0	642.0	631.0	622.0
12.5°	699.0	696.0	695.0	693.0	691.0	691.0	685.0	677.0	673.0	661.0	652.0
15°	724.0	722.0	721.0	720.0	719.0	717.0	712.0	705.0	702.0	692.0	685.0
17.5°	748.0	748.0	749.0	747.0	746.0	744.0	741.0	739.0	736.0	727.0	723.0
20°	776.0	776.0	778.0	777.0	776.0	779.0	778.0	777.0	777.0	769.0	766.0
22.5°	809.0	808.0	811.0	810.0	811.0	814.0	818.0	816.0	820.0	815.0	813.0
25°	847.0	846.0	849.0	851.0	853.0	855.0	863.0	865.0	870.0	869.0	865.0
27.5°	890.0	891.0	892.0	897.0	900.0	902.0	913.0	919.0	929.0	925.0	929.0
30°	940.0	945.0	949.0	954.0	955.0	957.0	975.0	981.0	986.0	989.0	995.0
32.5°	1009.0	1012.0	1013.0	1019.0	1021.0	1024.0	1043.0	1051.0	1058.0	1059.0	1070.0
35°	1093.0	1095.0	1098.0	1101.0	1105.0	1103.0	1125.0	1137.0	1146.0	1147.0	1159.0
37.5°	1204.0	1197.0	1200.0	1196.0	1190.0	1190.0	1197.0	1209.0	1219.0	1227.0	1239.0
40°	1337.0	1332.0	1331.0	1322.0	1312.0	1303.0	1299.0	1306.0	1314.0	1321.0	1336.0
42.5°	1489.0	1484.0	1467.0	1461.0	1444.0	1434.0	1407.0	1410.0	1424.0	1428.0	1437.0
45°	1667.0	1649.0	1643.0	1606.0	1599.0	1585.0	1534.0	1530.0	1542.0	1543.0	1537.0
47.5°	1870.0	1857.0	1843.0	1817.0	1790.0	1767.0	1689.0	1648.0	1661.0	1660.0	1631.0
50°	2091.0	2089.0	2068.0	2051.0	2027.0	1994.0	1855.0	1780.0	1790.0	1781.0	1728.0
52.5°	2302.0	2296.0	2295.0	2282.0	2273.0	2262.0	2093.0	1964.0	1941.0	1922.0	1854.0
55°	2524.0	2539.0	2529.0	2550.0	2566.0	2564.0	2494.0	2305.0	2188.0	2173.0	2069.0
57.5°	2894.0	2930.0	2978.0	2980.0	3023.0	3085.0	3211.0	3075.0	2782.0	2724.0	2585.0
60°	3318.0	3411.0	3531.0	3590.0	3682.0	3778.0	4094.0	4115.0	3705.0	3481.0	3226.0
62.5°	3744.0	3866.0	4008.0	4100.0	4214.0	4289.0	4623.0	4703.0	4329.0	3916.0	3496.0
63°	3834.0	3959.0	4082.0	4172.0	4268.0	4337.0	4637.0	4721.0	4363.0	3917.0	3479.0
65°	3881.0	3998.0	4094.0	4174.0	4238.0	4285.0	4522.0	4613.0	4318.0	3772.0	3288.0
67.5°	3524.0	3712.0	3833.0	3930.0	3995.0	4060.0	4278.0	4335.0	4126.0	3490.0	2998.0
70°	2917.0	3134.0	3325.0	3476.0	3588.0	3687.0	3916.0	3877.0	3697.0	3033.0	2543.0
72.5°	2146.0	2335.0	2521.0	2692.0	2838.0	2964.0	3115.0	2762.0	2488.0	2017.0	1760.0
75°	1443.0	1484.0	1569.0	1654.0	1707.0	1743.0	1650.0	1315.0	1068.0	958.0	838.0
77.5°	852.0	824.0	827.0	806.0	792.0	789.0	662.0	368.0	194.0	198.0	208.0
80°	680.0	649.0	616.0	579.0	555.0	529.0	431.0	236.0	84.0	68.0	71.0
82.5°	550.0	542.0	524.0	486.0	448.0	403.0	308.0	227.0	48.0	38.0	41.0
85°	107.0	120.0	108.0	118.0	88.0	83.0	49.0	53.0	19.0	17.0	21.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
97.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
100°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
105°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
107.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7

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CATALOG NUMBER: ENV-E02-LED-E1-BL2-ULG

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	75°	80°	85°	90°	95°
110°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
112.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
115°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
117.5°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
120°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
122.5°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
125°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
127.5°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
130°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
132.5°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
135°	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
137.5°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
140°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
142.5°	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
145°	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
147.5°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
150°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
152.5°	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7
155°	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7
157.5°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
160°	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
162.5°	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
165°	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0
167.5°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
170°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
172.5°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
175°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
177.5°	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1
180°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8

REPORT NUMBER: P160122

CATALOG NUMBER: ENV-E02-LED-E1-BL2-ULG

CANDELA DISTRIBUTION (continued):

	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0
2.5°	576.0	572.0	569.0	565.0	563.0	560.0	559.0	556.0	557.0
5°	578.0	571.0	565.0	559.0	555.0	553.0	551.0	549.0	549.0
7.5°	588.0	579.0	572.0	565.0	562.0	558.0	557.0	554.0	554.0
10°	609.0	599.0	590.0	582.0	578.0	573.0	571.0	568.0	568.0
12.5°	640.0	631.0	621.0	609.0	601.0	595.0	590.0	588.0	588.0
15°	675.0	668.0	660.0	644.0	631.0	620.0	610.0	606.0	605.0
17.5°	717.0	711.0	703.0	685.0	664.0	641.0	624.0	616.0	615.0
20°	768.0	762.0	750.0	725.0	692.0	656.0	629.0	617.0	616.0
22.5°	820.0	820.0	800.0	759.0	710.0	662.0	626.0	610.0	607.0
25°	877.0	880.0	850.0	786.0	720.0	659.0	613.0	593.0	589.0
27.5°	946.0	943.0	893.0	807.0	721.0	647.0	592.0	568.0	564.0
30°	1022.0	1002.0	928.0	819.0	714.0	625.0	564.0	537.0	534.0
32.5°	1098.0	1055.0	954.0	821.0	694.0	593.0	527.0	499.0	495.0
35°	1179.0	1102.0	970.0	810.0	661.0	550.0	481.0	454.0	450.0
37.5°	1247.0	1138.0	975.0	781.0	611.0	500.0	439.0	411.0	404.0
40°	1309.0	1164.0	966.0	734.0	555.0	451.0	395.0	371.0	369.0
42.5°	1366.0	1176.0	934.0	673.0	499.0	409.0	358.0	335.0	333.0
45°	1410.0	1168.0	880.0	606.0	453.0	373.0	325.0	304.0	300.0
47.5°	1438.0	1139.0	806.0	550.0	415.0	336.0	289.0	267.0	263.0
50°	1460.0	1096.0	731.0	507.0	378.0	298.0	252.0	232.0	229.0
52.5°	1489.0	1041.0	666.0	468.0	335.0	255.0	214.0	195.0	192.0
55°	1553.0	994.0	620.0	425.0	289.0	210.0	176.0	164.0	160.0
57.5°	1770.0	1010.0	591.0	373.0	236.0	169.0	146.0	139.0	138.0
60°	1998.0	1078.0	577.0	313.0	183.0	137.0	124.0	122.0	121.0
62.5°	1986.0	1017.0	519.0	246.0	141.0	113.0	107.0	108.0	108.0
63°	1946.0	980.0	500.0	231.0	134.0	110.0	104.0	104.0	104.0
65°	1704.0	831.0	406.0	175.0	112.0	98.0	93.0	94.0	95.0
67.5°	1407.0	600.0	267.0	122.0	101.0	89.0	83.0	81.0	81.0
70°	1076.0	404.0	158.0	106.0	100.0	83.0	73.0	71.0	71.0
72.5°	706.0	247.0	107.0	106.0	99.0	79.0	68.0	64.0	64.0
75°	324.0	122.0	89.0	102.0	94.0	73.0	60.0	55.0	54.0
77.5°	126.0	77.0	80.0	86.0	73.0	60.0	54.0	50.0	49.0
80°	73.0	62.0	70.0	62.0	53.0	46.0	46.0	43.0	42.0
82.5°	53.0	53.0	54.0	45.0	40.0	38.0	38.0	35.0	34.0
85°	38.0	39.0	45.0	36.0	31.0	27.0	25.0	25.0	24.0
87.5°	19.0	31.0	25.0	15.0	14.0	13.0	13.0	13.0	12.0
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
97.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
100°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
102.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
105°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
107.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7

REPORT NUMBER: P160122

CATALOG NUMBER: ENV-E02-LED-E1-BL2-ULG

CANDELA DISTRIBUTION (continued):

	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
112.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
115°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
117.5°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
120°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
122.5°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
125°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
127.5°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
130°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
132.5°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
135°	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
137.5°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
140°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
142.5°	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
145°	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
147.5°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
150°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
152.5°	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7
155°	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7
157.5°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
160°	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
162.5°	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
165°	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0
167.5°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
170°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
172.5°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
175°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
177.5°	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1	141.1
180°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8

(END OF REPORT)