

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: P180456

Luminaire Tested: **ICM-E01-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180456
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E01-LED-E1-SL2-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2398.6 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

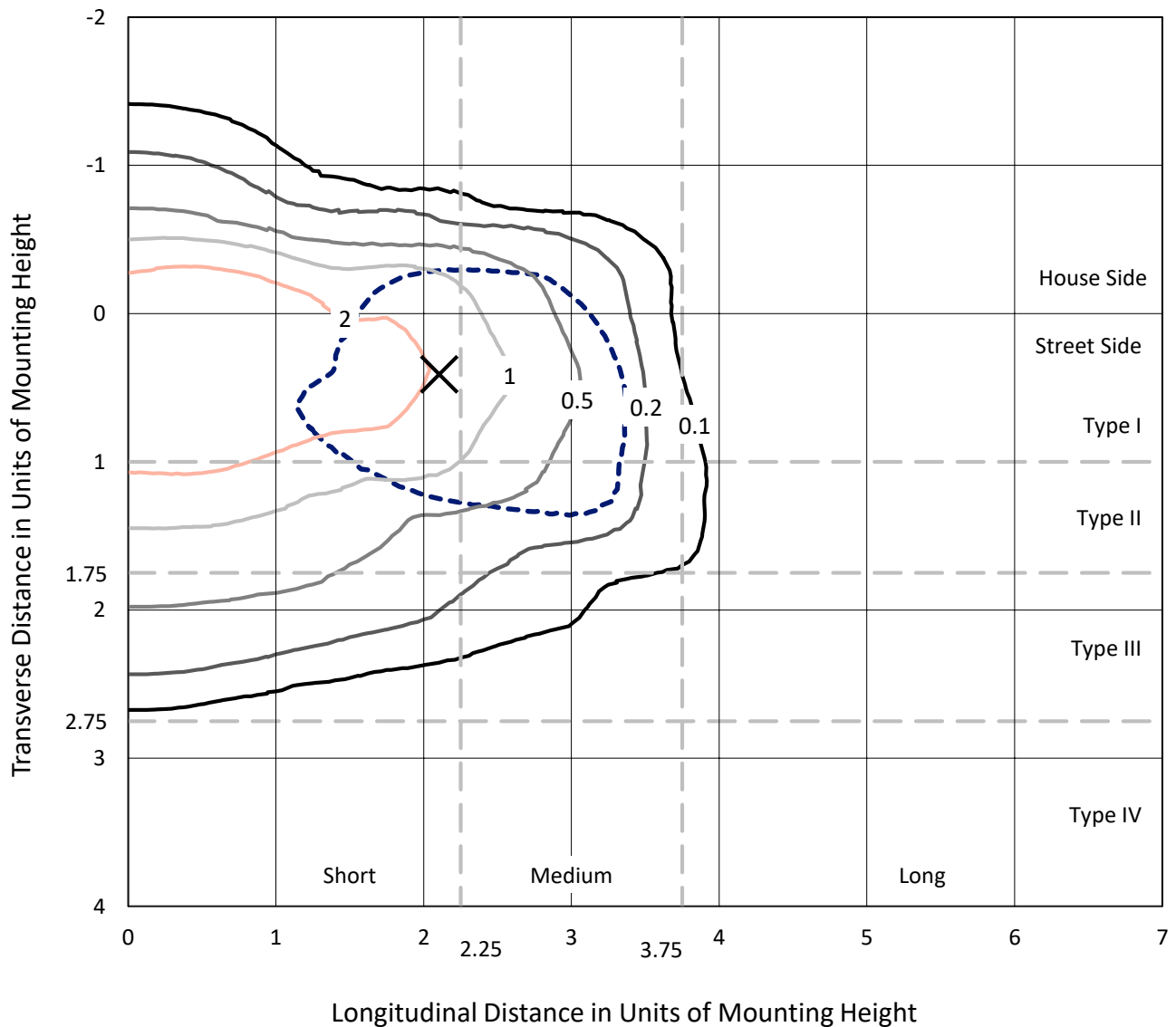


REPORT NUMBER: P180456

CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

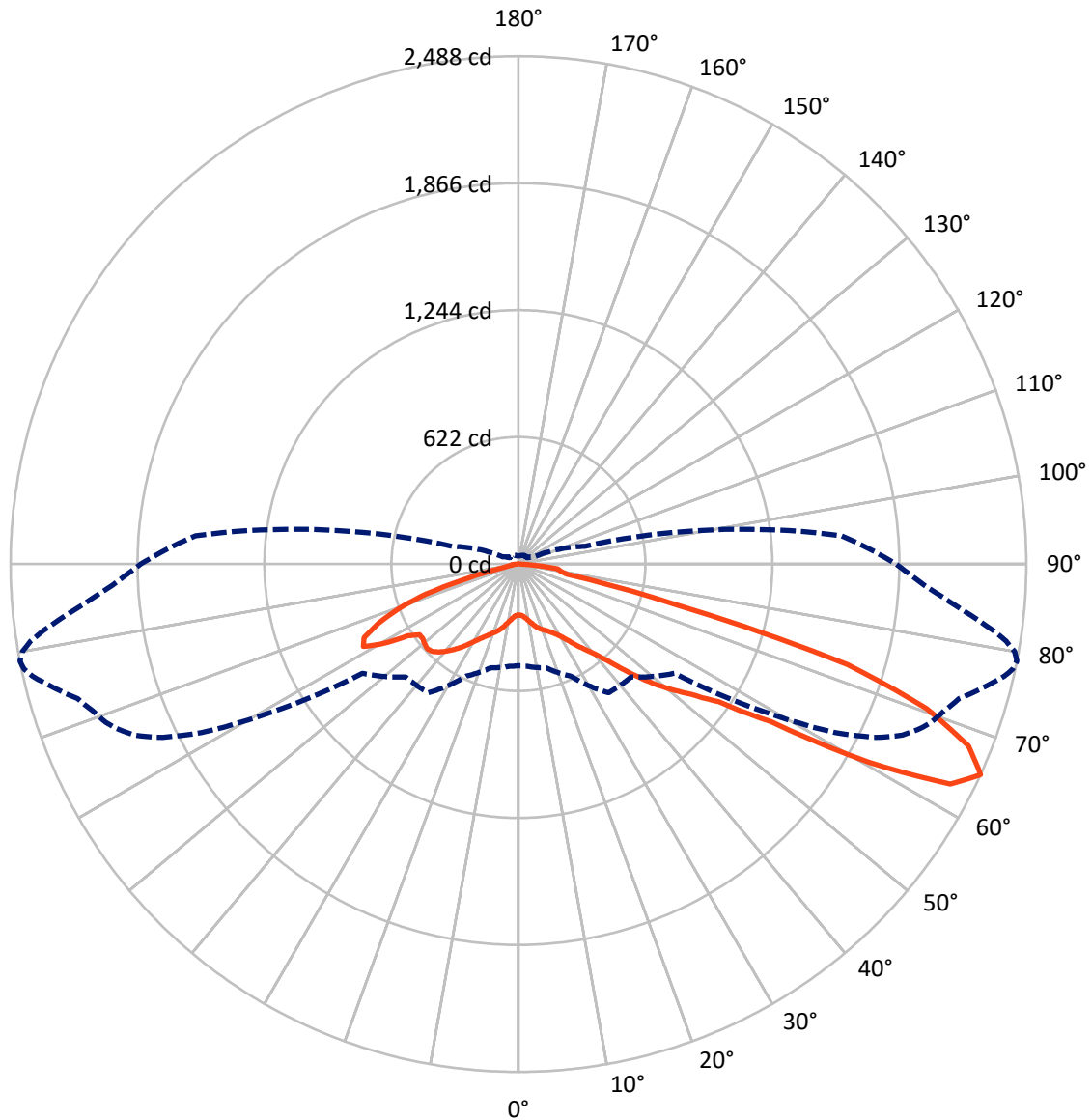
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P180456
CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P180456

CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

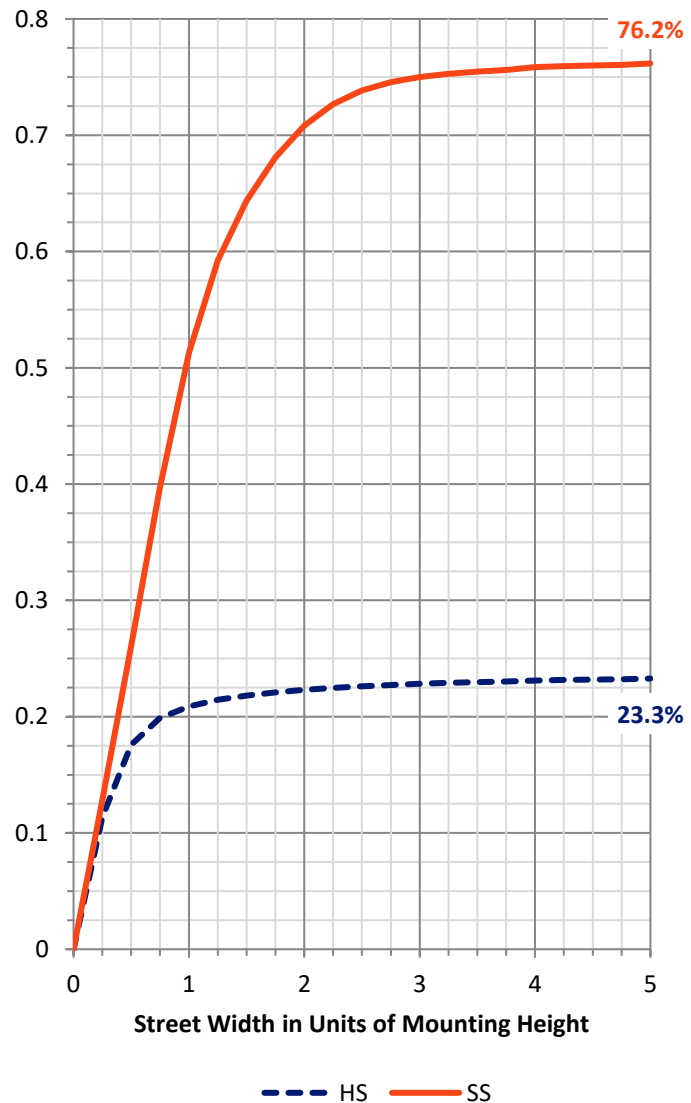
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.0	0.0	567.0
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	1831.6	0.0	1831.6
	% Fixture	76.4	0.0	76.4
Total	Lumens	2398.6	0.0	2398.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	1.0
10°-20°	81.2	3.4
20°-30°	140.2	5.8
30°-40°	232.0	9.7
40°-50°	393.5	16.4
50°-60°	522.8	21.8
60°-70°	675.4	28.2
70°-80°	283.3	11.8
80°-90°	45.5	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2398.6	100.0
0°-180°	2398.6	100.0



REPORT NUMBER: P180456

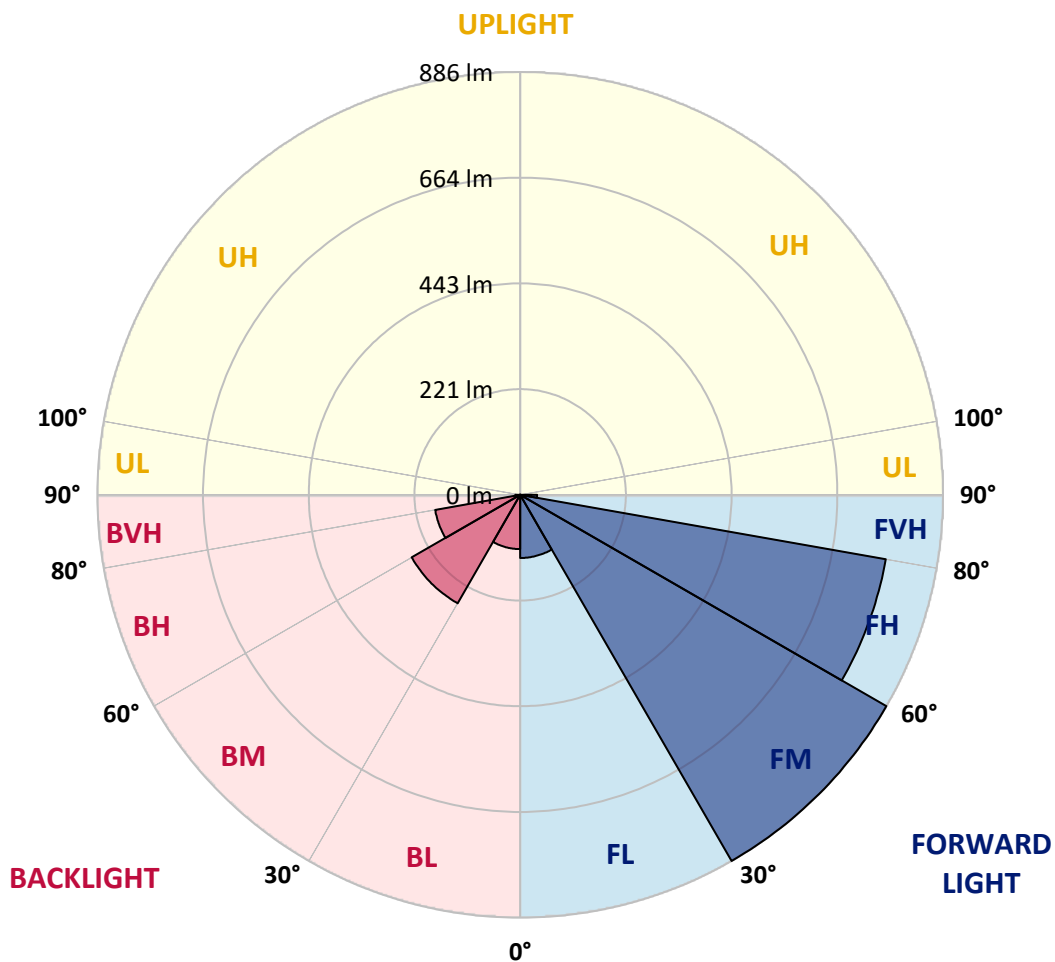
CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.3	5.5			
FM (30°-60°)	885.9	36.9			
FH (60°-80°)	777.8	32.4			G1/1800
FVH (80°-90°)	35.6	1.5			G1/100
BL (0°-30°)	113.8	4.7	B1/500		
BM (30°-60°)	262.5	10.9	B1/1000		
BH (60°-80°)	180.8	7.5	B1/500		G1/500
BVH (80°-90°)	9.9	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P180456

CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7
2.5°	248.8	249.7	249.1	249.7	250.2	250.4	251.0	250.7	250.7	251.0	250.4
5°	248.8	248.8	249.7	251.0	251.5	253.0	254.9	254.6	254.9	254.6	255.2
7.5°	254.1	253.9	254.6	256.2	256.7	259.1	262.2	262.8	263.3	263.3	264.1
10°	263.3	263.0	263.8	264.6	265.4	267.2	271.6	273.5	273.8	274.0	275.1
12.5°	274.8	274.5	273.5	273.5	273.2	276.7	282.6	286.0	286.6	287.6	288.4
15°	282.9	282.1	280.6	279.5	280.8	286.3	295.2	299.2	299.6	300.5	302.5
17.5°	290.8	290.0	286.6	283.9	285.8	294.7	306.7	310.9	311.9	312.7	315.1
20°	301.8	301.2	296.3	290.0	289.5	300.9	315.6	321.1	321.9	323.0	325.3
22.5°	318.5	316.1	310.4	298.6	292.8	304.7	321.9	329.5	330.5	331.5	334.7
25°	339.4	338.4	328.5	310.4	298.3	308.3	328.7	338.1	339.7	341.0	345.2
27.5°	361.1	359.5	348.8	325.3	308.0	315.6	339.4	350.1	352.3	354.3	358.2
30°	380.6	380.0	371.1	345.5	323.7	329.5	356.7	369.8	372.2	374.8	378.4
32.5°	426.0	426.3	417.1	391.0	361.7	354.6	381.6	401.2	402.2	405.4	411.9
35°	513.2	514.2	510.9	490.1	457.2	428.2	430.8	450.1	451.2	453.8	460.1
37.5°	571.5	573.7	584.1	590.7	574.0	560.6	527.4	519.7	520.6	519.0	517.7
40°	603.7	606.9	634.3	668.4	686.7	687.0	672.6	639.1	626.2	622.6	606.9
42.5°	622.1	627.3	666.3	724.4	777.0	813.1	822.1	784.8	775.4	758.7	728.6
45°	634.1	640.4	686.4	766.1	843.4	904.9	951.3	934.8	928.6	918.3	890.6
47.5°	632.0	637.0	684.8	780.1	878.2	965.7	1047.8	1064.8	1057.3	1054.7	1035.8
50°	593.8	598.2	646.9	745.0	859.2	988.8	1109.1	1157.2	1157.2	1162.2	1156.5
52.5°	553.0	556.7	600.8	689.0	797.4	966.2	1143.2	1223.0	1233.4	1242.1	1255.6
55°	537.6	542.0	575.4	650.9	744.8	901.9	1154.6	1272.1	1291.5	1306.1	1337.0
57.5°	544.8	549.3	573.1	630.1	714.0	836.2	1155.2	1338.3	1375.8	1405.9	1468.4
60°	576.6	580.7	600.7	649.3	705.8	798.2	1132.9	1443.8	1503.5	1560.0	1664.2
62.5°	561.9	567.1	596.2	680.9	766.2	769.4	1052.6	1525.5	1621.5	1705.0	1870.6
65°	497.8	503.3	526.0	605.3	770.0	782.0	933.5	1527.1	1646.3	1759.2	1938.0
67.5°	377.9	380.0	398.0	461.7	615.8	795.8	811.0	1346.2	1459.8	1585.7	1770.2
70°	193.1	196.8	202.0	254.9	396.5	657.7	696.9	992.1	1136.8	1266.9	1488.6
72.5°	67.0	68.3	73.6	97.4	193.1	431.5	610.1	679.9	767.4	889.0	1145.8
75°	40.3	40.3	42.1	49.2	88.2	224.8	542.8	555.4	567.1	607.9	775.9
77.5°	31.9	32.5	32.5	33.8	48.9	115.4	412.2	516.4	518.0	521.9	550.1
80°	22.8	23.8	26.0	27.0	31.6	63.3	231.4	453.3	484.2	499.1	519.7
82.5°	17.0	18.0	22.0	23.3	24.6	35.3	103.9	312.7	369.0	398.8	471.6
85°	7.6	8.9	14.9	16.5	17.3	18.9	48.7	89.0	102.3	114.9	151.5
87.5°	1.3	1.3	2.3	3.4	4.9	4.7	10.7	15.2	15.4	18.0	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180456

CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7
2.5°	250.4	250.4	250.4	250.2	250.4	250.4	250.4	250.4	250.7	250.7	250.7
5°	255.9	255.4	255.7	255.7	255.7	255.4	255.9	255.7	255.9	256.7	256.5
7.5°	264.1	264.6	264.8	265.1	265.1	265.1	265.4	265.9	265.9	266.7	266.4
10°	276.1	275.8	276.1	276.8	277.7	278.0	278.7	278.4	279.0	280.0	281.0
12.5°	288.9	289.5	290.2	291.0	292.3	292.6	293.4	293.7	295.2	295.2	296.3
15°	303.4	303.5	305.1	305.4	307.0	307.5	308.8	309.3	311.2	311.4	312.5
17.5°	316.4	316.9	317.7	318.5	320.3	321.1	322.1	323.2	324.7	325.3	327.2
20°	326.9	327.9	328.2	329.8	331.4	332.4	333.4	334.4	336.0	336.8	338.6
22.5°	336.3	337.3	338.1	339.4	340.5	342.0	342.6	344.4	346.0	347.3	348.8
25°	346.5	348.1	348.8	351.2	352.0	353.6	354.9	356.7	358.8	360.4	362.4
27.5°	360.9	363.3	364.3	366.9	368.7	369.5	371.6	374.2	376.1	377.9	380.0
30°	380.7	385.2	386.0	387.8	391.3	391.8	394.4	396.5	399.4	401.2	403.0
32.5°	411.6	417.1	417.7	419.8	422.6	423.7	425.8	428.2	432.6	433.4	436.3
35°	459.1	461.4	463.4	464.3	466.6	467.9	469.5	472.1	476.6	476.0	479.2
37.5°	515.8	516.6	516.8	514.2	514.8	512.4	515.3	515.8	517.4	518.7	521.9
40°	596.9	588.8	587.8	581.5	575.3	571.8	570.5	565.3	566.6	567.1	569.8
42.5°	715.5	699.8	686.7	677.8	662.3	654.8	644.6	636.5	630.1	632.6	633.6
45°	865.7	843.2	822.2	795.1	774.9	760.5	742.4	726.2	718.9	715.5	719.7
47.5°	1015.6	995.8	971.2	943.2	911.3	887.4	857.3	830.9	812.6	805.8	809.5
50°	1145.2	1126.9	1108.3	1091.8	1054.7	1028.8	987.6	953.4	924.6	910.0	906.1
52.5°	1252.8	1243.1	1233.1	1219.3	1189.4	1163.5	1130.8	1097.0	1058.9	1029.0	1018.8
55°	1348.8	1354.6	1349.6	1349.9	1338.1	1321.6	1293.9	1268.8	1242.1	1208.3	1194.1
57.5°	1488.8	1522.9	1529.7	1546.7	1555.1	1563.9	1571.8	1556.8	1550.1	1524.9	1525.2
60°	1709.4	1759.2	1802.3	1841.6	1873.8	1905.2	1938.2	1952.8	1969.0	1976.7	2002.5
62.5°	1944.2	1991.5	2055.9	2108.6	2138.2	2179.0	2214.8	2238.1	2266.6	2296.9	2336.5
65°	2002.3	2059.4	2099.9	2135.0	2164.3	2186.1	2205.7	2233.4	2257.2	2305.3	2351.9
67.5°	1853.4	1898.9	1936.1	1970.6	1993.4	2011.7	2029.2	2047.5	2088.4	2132.1	2179.0
70°	1590.9	1645.9	1707.4	1752.1	1763.4	1779.1	1795.8	1819.6	1840.0	1885.9	1921.4
72.5°	1278.1	1357.2	1409.3	1471.3	1484.7	1508.5	1517.9	1536.5	1540.1	1565.0	1574.4
75°	890.8	981.4	1033.8	1079.3	1088.2	1075.1	1080.3	1014.6	997.9	984.3	973.3
77.5°	588.0	612.4	620.7	613.4	578.3	550.9	521.6	492.7	495.9	472.7	431.8
80°	522.9	528.4	520.7	513.5	493.3	464.6	438.0	411.2	397.8	383.6	362.7
82.5°	508.7	530.0	532.3	523.4	507.4	476.0	444.1	404.1	370.0	338.6	306.7
85°	170.1	207.0	223.5	239.0	243.6	249.1	230.3	204.7	173.8	153.1	119.8
87.5°	21.8	27.0	31.2	26.7	31.2	36.7	26.4	29.6	29.9	18.6	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180456

CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7
2.5°	251.0	250.7	250.7	250.7	250.4	250.7	250.7	250.7	250.7	250.7	250.4
5°	256.7	256.7	257.5	257.8	257.2	257.0	257.2	257.5	257.5	257.2	257.5
7.5°	267.4	267.7	268.3	269.0	268.5	268.7	269.0	268.7	269.6	269.9	269.6
10°	281.0	281.6	282.9	283.2	282.9	283.9	284.2	283.7	284.2	284.2	285.3
12.5°	296.7	297.3	298.9	299.4	299.9	300.2	300.9	301.2	302.0	302.5	303.4
15°	313.8	314.3	315.4	317.2	317.7	318.2	318.8	320.3	320.6	321.7	322.4
17.5°	328.2	328.9	330.5	331.8	332.7	334.0	334.4	336.3	336.8	338.4	339.7
20°	339.7	341.0	342.3	343.9	345.2	346.8	347.3	349.1	350.1	351.0	352.6
22.5°	350.1	351.7	353.6	355.4	356.5	358.5	359.4	360.1	362.4	363.5	365.1
25°	363.7	365.3	367.4	369.8	370.8	373.5	374.2	375.5	378.1	379.2	381.6
27.5°	382.3	384.5	386.0	388.4	389.7	391.5	393.3	394.9	397.3	398.8	401.5
30°	405.7	407.2	409.9	411.6	413.8	416.4	418.4	420.0	421.3	423.7	426.6
32.5°	439.9	440.2	440.9	445.4	447.5	449.6	452.5	453.8	455.9	458.2	461.4
35°	482.6	484.9	486.8	488.8	491.3	493.6	494.6	498.5	500.4	503.5	506.7
37.5°	524.9	525.2	529.4	530.7	532.8	535.2	538.9	542.8	547.4	550.6	555.6
40°	570.5	572.7	577.9	580.5	583.1	588.8	591.7	598.0	605.9	610.3	618.7
42.5°	636.5	639.6	649.0	653.2	659.5	668.9	675.0	683.5	686.7	697.4	701.4
45°	722.8	732.5	746.1	755.0	766.2	776.5	781.7	785.7	790.3	798.7	797.7
47.5°	816.3	828.8	844.0	862.3	869.7	881.7	888.5	896.1	891.9	889.8	887.7
50°	912.0	926.7	946.9	963.4	974.6	982.0	987.6	986.6	977.8	973.0	959.9
52.5°	1018.5	1027.2	1046.3	1060.5	1067.3	1068.8	1067.4	1059.6	1051.3	1036.4	1020.9
55°	1181.9	1178.0	1185.5	1192.1	1190.0	1197.3	1178.4	1171.2	1150.4	1131.1	1110.4
57.5°	1513.7	1518.9	1476.6	1457.4	1454.1	1460.8	1427.6	1423.5	1373.4	1367.2	1332.4
60°	1998.9	2024.6	1991.3	1972.8	1922.5	1906.0	1868.8	1853.4	1805.5	1766.8	1717.9
62.5°	2363.7	2387.0	2400.9	2374.4	2345.1	2302.0	2245.7	2183.4	2132.7	2073.2	2021.4
65°	2396.7	2443.8	2475.7	2488.0	2467.4	2420.0	2350.6	2272.1	2194.4	2119.8	2054.3
67.5°	2242.5	2284.7	2334.2	2378.3	2380.9	2350.1	2291.0	2211.2	2121.4	2029.2	1952.6
70°	1977.7	2030.5	2073.8	2120.3	2152.8	2135.0	2105.4	2032.1	1939.0	1867.3	1779.1
72.5°	1608.5	1630.7	1641.1	1687.0	1687.5	1655.0	1634.1	1593.5	1518.4	1467.6	1400.4
75°	939.3	890.3	838.2	792.9	756.1	740.7	672.1	660.6	614.5	586.0	544.1
77.5°	387.4	343.6	287.4	240.5	194.1	173.2	142.9	129.6	112.3	104.7	99.7
80°	332.1	290.8	248.4	207.8	171.7	135.5	105.5	82.0	64.4	54.7	50.8
82.5°	271.2	246.2	216.7	194.7	166.4	139.4	117.8	91.3	68.3	50.2	38.5
85°	97.9	80.4	64.7	59.4	47.3	39.0	32.7	28.0	23.1	18.3	16.2
87.5°	11.0	10.5	6.0	5.8	6.5	4.7	5.5	4.9	4.2	3.6	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180456

CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7
2.5°	250.4	250.4	250.7	250.7	251.0	251.3	251.7	251.5	251.5	251.7	251.7
5°	257.5	258.3	258.0	258.0	258.0	258.3	258.6	257.5	256.5	255.4	254.9
7.5°	269.9	270.3	270.9	270.3	270.9	270.6	270.0	267.2	263.8	259.6	256.7
10°	285.8	285.8	286.3	286.0	287.1	286.3	284.7	278.2	270.9	262.0	255.4
12.5°	303.1	304.8	304.1	304.4	306.4	304.4	300.7	291.0	278.0	263.5	252.0
15°	323.4	324.3	324.7	324.0	325.3	323.4	316.9	301.5	282.4	262.2	245.2
17.5°	340.2	340.5	340.7	341.3	343.1	341.0	329.8	308.8	283.4	256.2	233.7
20°	353.3	354.6	355.6	355.6	358.2	355.2	340.2	312.5	280.0	246.2	219.1
22.5°	366.9	368.0	369.3	369.5	372.9	369.8	348.8	311.7	271.2	232.1	202.0
25°	383.6	384.7	385.8	387.1	391.8	387.4	357.5	308.6	258.8	215.4	183.7
27.5°	403.0	405.4	406.1	408.3	413.8	407.0	364.8	303.8	245.2	196.0	164.4
30°	428.9	431.8	432.8	435.7	443.4	428.4	369.0	295.7	227.9	176.4	143.7
32.5°	463.7	467.6	470.8	474.0	482.6	449.9	369.5	283.9	207.8	154.4	123.8
35°	509.3	515.3	517.7	519.7	527.8	473.1	367.2	266.4	183.2	131.9	108.1
37.5°	560.3	566.3	567.9	568.9	570.5	493.0	361.4	239.7	155.4	112.3	95.5
40°	623.1	628.4	630.4	628.8	620.5	508.5	348.6	208.6	128.5	98.9	87.6
42.5°	699.8	707.6	708.5	701.4	673.6	517.1	323.0	171.9	107.3	89.2	81.7
45°	794.8	794.2	789.9	784.8	731.4	513.8	287.1	140.0	94.0	81.7	76.2
47.5°	880.1	871.2	864.4	849.8	782.5	493.9	240.7	115.9	85.9	75.9	71.4
50°	950.0	933.8	919.4	903.4	820.5	458.5	194.7	98.4	78.2	70.9	67.0
52.5°	1005.2	985.6	968.8	953.1	857.1	419.3	159.6	85.6	70.9	66.0	62.0
55°	1091.5	1071.9	1045.2	1028.0	913.1	383.2	136.8	75.3	63.8	60.7	56.7
57.5°	1310.1	1292.8	1260.8	1216.1	1057.0	369.5	124.1	67.5	58.1	56.3	53.1
60°	1691.6	1663.6	1622.1	1576.5	1349.6	378.7	113.9	62.0	54.1	52.6	50.2
62.5°	1979.5	1930.3	1883.3	1841.1	1583.5	378.4	100.5	57.9	51.3	50.5	48.2
65°	1991.3	1941.3	1894.0	1849.7	1588.8	336.8	84.8	54.1	50.8	50.5	46.6
67.5°	1885.6	1831.4	1785.6	1729.9	1470.8	263.3	68.0	51.8	52.8	52.4	46.0
70°	1712.8	1642.1	1604.5	1549.6	1294.4	184.3	56.0	52.6	57.3	55.7	46.9
72.5°	1344.4	1291.0	1233.7	1195.4	1013.3	116.5	47.1	53.1	59.2	56.6	48.9
75°	500.4	514.8	491.3	482.9	514.8	68.3	41.9	49.5	52.8	48.9	44.5
77.5°	101.0	96.6	91.6	90.5	117.0	42.1	38.5	42.9	40.6	35.8	36.1
80°	48.4	47.1	45.6	45.3	43.4	35.1	35.6	36.7	30.6	27.7	29.6
82.5°	32.2	30.3	29.9	28.7	29.3	31.4	33.8	31.4	23.5	22.0	26.7
85°	14.9	14.4	14.1	14.1	15.7	28.3	28.0	23.1	16.2	15.7	26.7
87.5°	3.6	3.6	3.9	3.6	4.2	8.4	7.3	7.1	6.0	6.8	12.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180456

CATALOG NUMBER: ICM-E01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	249.7	249.7	249.7
2.5°	251.5	251.7	251.5
5°	253.9	253.9	253.9
7.5°	253.9	253.0	252.8
10°	250.2	247.8	247.8
12.5°	243.9	240.0	239.4
15°	232.1	226.9	226.1
17.5°	217.2	210.1	208.8
20°	200.5	191.5	190.0
22.5°	182.1	171.9	171.2
25°	164.1	153.6	151.5
27.5°	143.9	133.8	132.7
30°	123.8	114.9	114.3
32.5°	106.8	101.3	100.2
35°	94.7	91.6	90.3
37.5°	86.9	84.6	84.3
40°	80.8	78.8	78.5
42.5°	75.9	74.0	73.8
45°	70.9	69.4	68.8
47.5°	66.0	64.4	64.1
50°	61.5	59.4	59.2
52.5°	57.3	55.3	54.7
55°	53.4	51.3	51.3
57.5°	50.0	47.9	47.6
60°	46.9	44.7	44.5
62.5°	44.5	41.9	41.6
65°	42.7	40.0	39.5
67.5°	41.6	38.5	37.7
70°	43.4	37.7	36.4
72.5°	43.7	36.9	35.1
75°	42.1	34.8	33.5
77.5°	36.9	31.2	29.9
80°	31.9	24.1	22.2
82.5°	30.3	19.6	17.0
85°	23.5	12.8	12.0
87.5°	13.3	7.1	5.8
90°	0.0	0.0	0.0

(END OF REPORT)