

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: P180461

Luminaire Tested: **ICM-F01-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180461
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-F01-LED-E1-SL2-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1980.1 lumens
Efficiency: N/A
Efficacy: 76.5 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

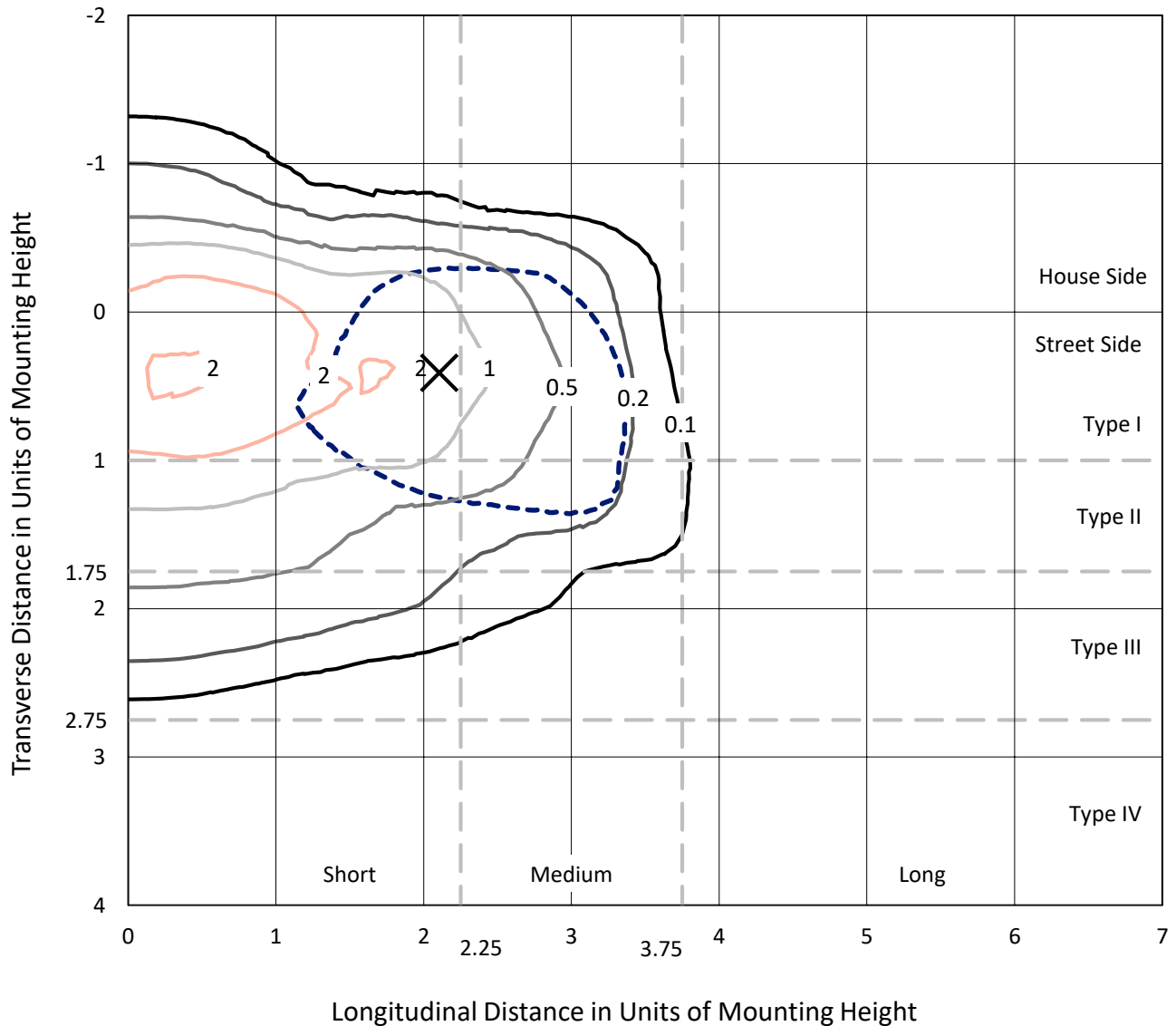
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180461
 CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

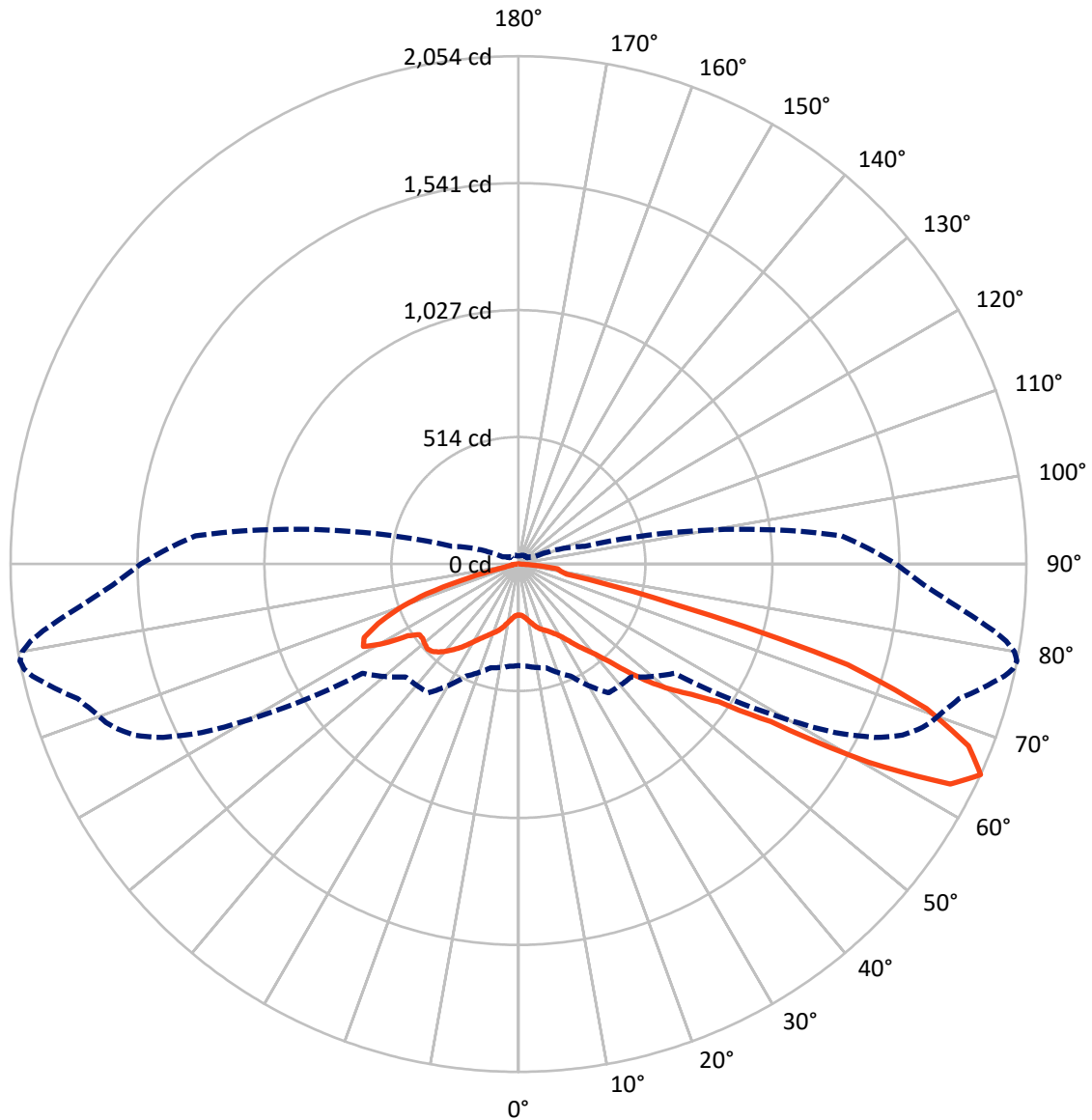
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P180461
CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180461

CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

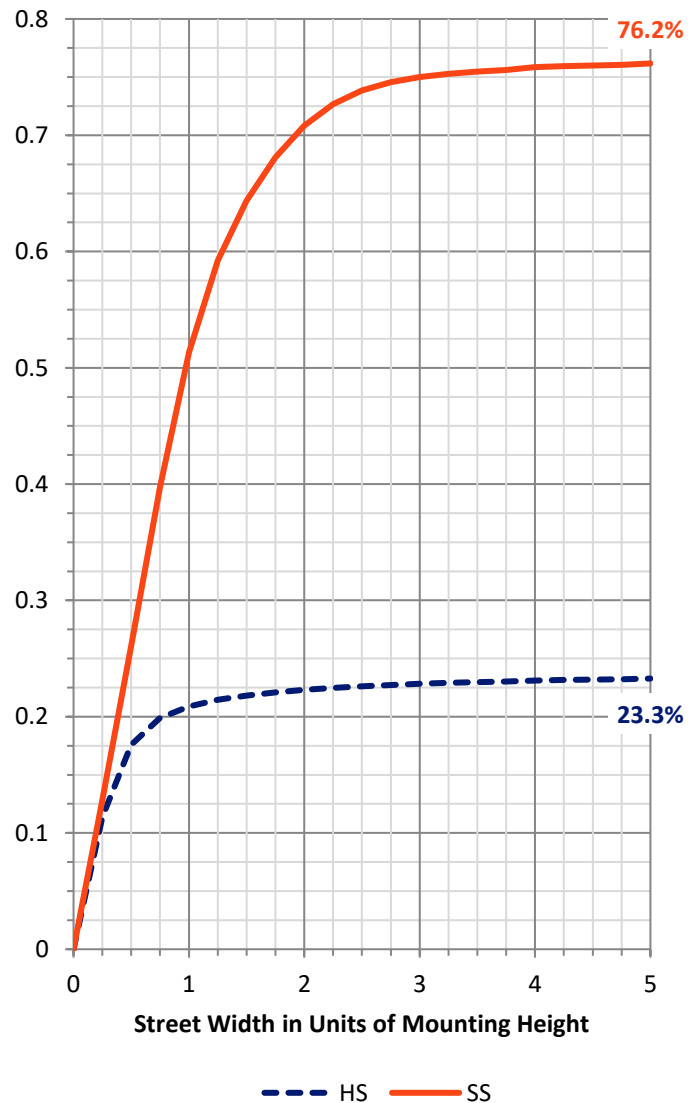
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.1	0.0	468.1
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	1512.0	0.0	1512.0
	% Fixture	76.4	0.0	76.4
Total	Lumens	1980.1	0.0	1980.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	1.0
10°-20°	67.0	3.4
20°-30°	115.7	5.8
30°-40°	191.5	9.7
40°-50°	324.8	16.4
50°-60°	431.6	21.8
60°-70°	557.5	28.2
70°-80°	233.8	11.8
80°-90°	37.6	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°	1980.1	100.0
0°-180°	1980.1	100.0



REPORT NUMBER: P180461

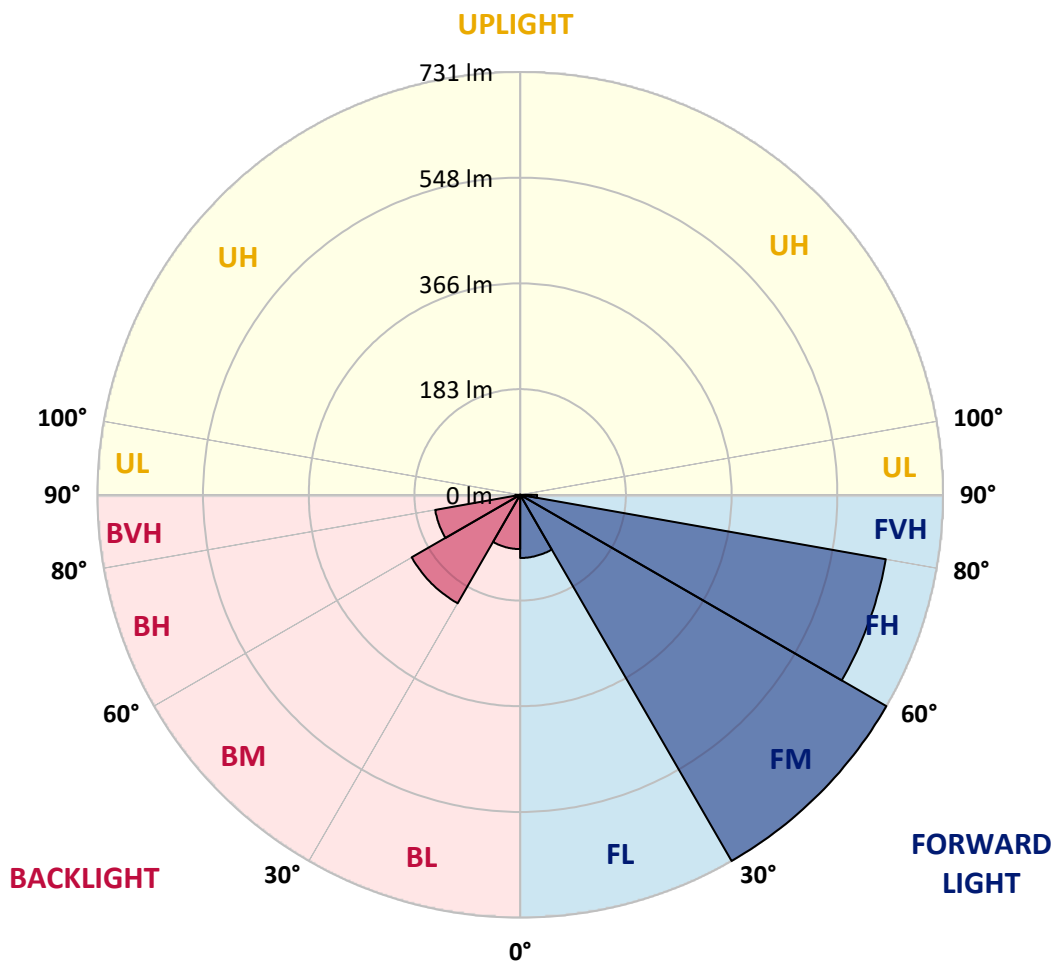
CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.3	5.5			
FM (30°-60°)	731.3	36.9			
FH (60°-80°)	642.1	32.4			G0/660
FVH (80°-90°)	29.4	1.5			G1/100
BL (0°-30°)	93.9	4.7	B0/110		
BM (30°-60°)	216.7	10.9	B0/220		
BH (60°-80°)	149.3	7.5	B1/500		G1/500
BVH (80°-90°)	8.2	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: P180461

CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1
2.5°	205.5	206.1	205.7	206.1	206.5	206.8	207.2	207.0	207.0	207.2	206.8
5°	205.5	205.5	206.1	207.2	207.6	208.9	210.4	210.2	210.4	210.2	210.6
7.5°	209.8	209.6	210.2	211.5	211.9	213.9	216.5	216.9	217.3	217.3	218.0
10°	217.3	217.1	217.8	218.4	219.1	220.6	224.3	225.8	226.0	226.2	227.1
12.5°	226.9	226.6	225.8	225.8	225.6	228.4	233.3	236.1	236.6	237.4	238.0
15°	233.6	232.9	231.6	230.7	231.8	236.4	243.7	247.0	247.4	248.0	249.8
17.5°	240.0	239.4	236.6	234.4	235.9	243.3	253.2	256.7	257.5	258.1	260.1
20°	249.1	248.7	244.6	239.4	239.0	248.5	260.6	265.1	265.8	266.6	268.6
22.5°	262.9	261.0	256.2	246.5	241.8	251.4	265.8	272.0	272.8	273.8	276.3
25°	280.2	279.4	271.2	256.2	246.3	254.5	271.4	279.2	280.5	281.5	284.9
27.5°	298.1	296.8	288.0	268.6	254.3	260.6	280.2	289.0	290.8	292.6	295.7
30°	314.1	313.7	306.3	285.2	267.3	272.0	294.5	305.3	307.3	309.4	312.4
32.5°	351.7	351.9	344.4	322.8	298.6	292.7	315.0	331.2	332.1	334.6	340.1
35°	423.6	424.6	421.7	404.7	377.4	353.5	355.6	371.6	372.5	374.6	379.8
37.5°	471.8	473.6	482.2	487.6	473.8	462.8	435.4	429.0	429.7	428.4	427.4
40°	498.4	501.0	523.7	551.8	566.9	567.1	555.3	527.5	517.0	514.0	501.0
42.5°	513.5	517.9	550.0	598.1	641.4	671.3	678.6	647.9	640.1	626.3	601.5
45°	523.4	528.7	566.7	632.4	696.3	747.1	785.3	771.7	766.5	758.1	735.2
47.5°	521.8	525.9	565.4	644.0	725.0	797.2	865.0	879.1	872.8	870.6	855.1
50°	490.2	493.9	534.0	615.1	709.3	816.2	915.6	955.4	955.4	959.4	954.7
52.5°	456.5	459.5	496.0	568.8	658.3	797.6	943.6	1009.6	1018.2	1025.3	1036.6
55°	443.7	447.4	475.1	537.3	614.9	744.5	953.2	1050.1	1066.1	1078.2	1103.7
57.5°	449.8	453.5	473.1	520.2	589.4	690.2	953.6	1104.8	1135.7	1160.6	1212.2
60°	475.9	479.4	495.8	536.0	582.7	658.9	935.3	1191.9	1241.1	1287.8	1373.8
62.5°	463.8	468.2	492.2	562.1	632.6	635.2	868.9	1259.4	1338.6	1407.5	1544.3
65°	410.9	415.4	434.2	499.7	635.6	645.5	770.6	1260.7	1359.2	1452.3	1599.8
67.5°	312.0	313.7	328.6	381.1	508.4	657.0	669.5	1111.4	1205.1	1309.0	1461.3
70°	159.4	162.4	166.8	210.4	327.4	542.9	575.4	819.0	938.5	1045.9	1228.8
72.5°	55.3	56.4	60.7	80.4	159.4	356.3	503.6	561.3	633.4	733.9	945.9
75°	33.3	33.3	34.8	40.7	72.8	185.6	448.1	458.4	468.2	501.9	640.6
77.5°	26.3	26.8	26.8	27.9	40.4	95.3	340.3	426.2	427.5	430.8	454.1
80°	18.8	19.6	21.4	22.2	26.1	52.3	191.0	374.1	399.7	412.0	429.0
82.5°	14.0	14.9	18.1	19.3	20.3	29.2	85.8	258.1	304.7	329.2	389.3
85°	6.2	7.3	12.3	13.6	14.2	15.5	40.2	73.5	84.5	94.9	125.1
87.5°	1.1	1.1	2.0	2.8	4.1	3.9	8.8	12.6	12.7	14.9	16.7
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: P180461

CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1
2.5°	206.8	206.8	206.8	206.5	206.8	206.8	206.8	206.8	207.0	207.0	207.0
5°	211.3	210.9	211.1	211.1	211.1	210.9	211.3	211.1	211.3	211.9	211.7
7.5°	218.0	218.4	218.6	218.9	218.9	218.9	219.1	219.5	219.5	220.2	219.9
10°	227.9	227.7	227.9	228.6	229.2	229.4	230.0	229.9	230.3	231.2	232.0
12.5°	238.5	239.0	239.6	240.3	241.3	241.6	242.1	242.4	243.7	243.7	244.6
15°	250.4	250.6	251.9	252.1	253.4	253.9	254.9	255.4	256.8	257.1	258.0
17.5°	261.2	261.6	262.2	262.9	264.5	265.1	266.0	266.8	268.1	268.6	270.0
20°	269.9	270.7	270.9	272.2	273.5	274.4	275.3	276.1	277.4	278.0	279.5
22.5°	277.6	278.5	279.2	280.2	281.1	282.3	282.8	284.3	285.6	286.7	288.0
25°	286.0	287.4	288.0	290.0	290.6	291.9	292.9	294.5	296.2	297.5	299.3
27.5°	298.0	299.9	300.7	302.9	304.4	305.0	306.8	308.9	310.4	312.0	313.7
30°	314.3	318.0	318.7	320.2	323.0	323.4	325.6	327.4	329.7	331.2	332.7
32.5°	339.8	344.4	344.8	346.5	348.9	349.8	351.5	353.5	357.1	357.8	360.2
35°	379.0	380.8	382.6	383.3	385.2	386.3	387.5	389.8	393.4	393.0	395.5
37.5°	425.9	426.5	426.7	424.6	424.9	423.0	425.4	425.9	427.1	428.2	430.8
40°	492.8	486.1	485.2	480.0	474.9	472.1	471.0	466.6	467.7	468.2	470.3
42.5°	590.7	577.7	566.9	559.5	546.8	540.6	532.1	525.4	520.2	522.1	523.1
45°	714.7	696.1	678.8	656.4	639.7	627.8	612.9	599.5	593.5	590.7	594.1
47.5°	838.4	822.1	801.8	778.6	752.3	732.6	707.7	686.0	670.8	665.2	668.2
50°	945.4	930.2	915.0	901.3	870.6	849.3	815.4	787.1	763.3	751.2	747.9
52.5°	1034.2	1026.2	1018.0	1006.5	982.0	960.6	933.5	905.7	874.1	849.5	841.0
55°	1113.5	1118.2	1114.1	1114.3	1104.7	1091.0	1068.1	1047.4	1025.3	997.5	985.8
57.5°	1229.0	1257.1	1262.8	1276.8	1283.7	1291.1	1297.6	1285.2	1279.6	1258.9	1259.1
60°	1411.2	1452.3	1487.9	1520.3	1546.9	1572.8	1600.0	1612.1	1625.5	1631.7	1653.1
62.5°	1604.9	1644.1	1697.2	1740.7	1765.0	1798.8	1828.4	1847.6	1871.2	1896.2	1928.8
65°	1652.9	1700.0	1733.5	1762.5	1786.7	1804.6	1820.8	1843.7	1863.4	1903.1	1941.6
67.5°	1530.1	1567.6	1598.2	1626.8	1645.6	1660.8	1675.2	1690.3	1724.0	1760.1	1798.8
70°	1313.3	1358.7	1409.5	1446.4	1455.7	1468.7	1482.5	1502.1	1519.0	1556.8	1586.1
72.5°	1055.2	1120.4	1163.4	1214.6	1225.6	1245.3	1253.0	1268.4	1271.4	1291.9	1299.7
75°	735.4	810.1	853.4	891.0	898.3	887.5	891.8	837.6	823.8	812.6	803.4
77.5°	485.5	505.6	512.5	506.4	477.5	454.8	430.6	406.8	409.4	390.1	356.5
80°	431.6	436.2	430.0	423.9	407.3	383.4	361.7	339.4	328.4	316.7	299.4
82.5°	420.0	437.5	439.4	432.1	418.9	393.0	366.6	333.6	305.5	279.5	253.2
85°	140.5	170.9	184.5	197.2	201.1	205.7	190.1	168.9	143.4	126.4	99.0
87.5°	18.0	22.2	25.7	22.0	25.7	30.2	21.9	24.4	24.7	15.3	11.4
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: P180461

CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1
2.5°	207.2	207.0	207.0	207.0	206.8	207.0	207.0	207.0	207.0	207.0	206.8
5°	211.9	211.9	212.6	212.8	212.4	212.2	212.4	212.6	212.6	212.4	212.6
7.5°	220.8	221.0	221.5	222.0	221.7	221.9	222.0	221.9	222.5	222.7	222.5
10°	232.0	232.5	233.6	233.8	233.6	234.4	234.6	234.2	234.6	234.6	235.4
12.5°	245.0	245.4	246.7	247.2	247.6	247.8	248.5	248.7	249.3	249.8	250.4
15°	259.1	259.4	260.4	261.9	262.2	262.7	263.2	264.5	264.7	265.5	266.1
17.5°	270.9	271.5	272.8	274.0	274.6	275.6	276.1	277.6	278.0	279.4	280.5
20°	280.5	281.5	282.6	283.9	284.9	286.2	286.7	288.2	289.0	289.7	291.0
22.5°	289.0	290.3	291.9	293.4	294.2	296.0	296.7	297.3	299.3	300.1	301.4
25°	300.3	301.6	303.4	305.3	306.1	308.3	308.9	310.0	312.2	313.0	315.0
27.5°	315.6	317.4	318.7	320.7	321.7	323.2	324.7	326.0	327.9	329.2	331.4
30°	334.9	336.2	338.3	339.8	341.6	343.7	345.5	346.8	347.8	349.8	352.2
32.5°	363.2	363.4	364.0	367.7	369.4	371.2	373.6	374.6	376.4	378.3	380.8
35°	398.4	400.4	401.9	403.5	405.5	407.4	408.3	411.5	413.1	415.6	418.2
37.5°	433.4	433.6	437.0	438.1	439.9	441.8	444.8	448.1	452.0	454.5	458.7
40°	471.0	472.7	477.0	479.2	481.3	486.1	488.5	493.7	500.1	503.8	510.7
42.5°	525.4	528.0	535.8	539.3	544.5	552.2	557.2	564.3	566.9	575.7	579.0
45°	596.7	604.7	615.9	623.3	632.6	641.0	645.3	648.6	652.5	659.4	658.5
47.5°	673.9	684.2	696.7	711.8	718.0	727.8	733.5	739.7	736.3	734.5	732.8
50°	752.9	765.0	781.7	795.3	804.6	810.6	815.4	814.5	807.2	803.3	792.5
52.5°	840.8	848.0	863.7	875.4	881.0	882.3	881.2	874.8	867.8	855.5	842.8
55°	975.6	972.4	978.7	984.1	982.3	988.4	972.8	966.8	949.7	933.8	916.7
57.5°	1249.6	1254.0	1218.9	1203.2	1200.4	1206.0	1178.5	1175.1	1133.8	1128.6	1099.9
60°	1650.1	1671.3	1643.9	1628.6	1587.1	1573.4	1542.8	1530.1	1490.5	1458.5	1418.1
62.5°	1951.3	1970.5	1982.0	1960.2	1935.9	1900.3	1853.9	1802.4	1760.6	1711.5	1668.8
65°	1978.5	2017.4	2043.7	2054.0	2036.8	1997.8	1940.5	1875.7	1811.5	1750.0	1695.9
67.5°	1851.3	1886.1	1926.9	1963.4	1965.6	1940.1	1891.3	1825.3	1751.3	1675.2	1611.9
70°	1632.7	1676.3	1711.9	1750.4	1777.1	1762.5	1738.1	1677.6	1600.7	1541.5	1468.7
72.5°	1327.8	1346.1	1354.8	1392.7	1393.0	1366.2	1348.9	1315.4	1253.5	1211.5	1156.0
75°	775.4	735.0	692.0	654.6	624.2	611.4	554.8	545.3	507.3	483.7	449.1
77.5°	319.7	283.6	237.2	198.5	160.3	143.0	118.0	107.0	92.7	86.4	82.3
80°	274.1	240.0	205.0	171.5	141.8	111.9	87.1	67.6	53.1	45.1	42.0
82.5°	223.8	203.3	178.9	160.7	137.4	115.2	97.2	75.4	56.4	41.5	31.7
85°	80.8	66.3	53.4	49.0	39.1	32.2	27.0	23.2	19.0	15.2	13.4
87.5°	9.1	8.7	4.9	4.7	5.4	3.9	4.6	4.1	3.4	3.1	3.3
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: P180461

CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1
2.5°	206.8	206.8	207.0	207.0	207.2	207.4	207.8	207.6	207.6	207.8	207.8
5°	212.6	213.2	213.0	213.0	213.0	213.2	213.5	212.6	211.7	210.9	210.4
7.5°	222.7	223.2	223.6	223.2	223.6	223.4	223.0	220.6	217.8	214.3	211.9
10°	235.9	235.9	236.4	236.1	237.0	236.4	235.1	229.7	223.6	216.3	210.9
12.5°	250.1	251.7	251.1	251.3	253.0	251.3	248.2	240.3	229.4	217.6	208.1
15°	267.1	267.7	268.1	267.4	268.6	267.1	261.6	248.8	233.1	216.5	202.4
17.5°	280.8	281.1	281.3	281.7	283.3	281.5	272.2	254.9	234.0	211.5	192.9
20°	291.6	292.7	293.6	293.6	295.7	293.2	280.8	258.0	231.2	203.3	180.8
22.5°	302.9	303.7	304.8	305.0	307.8	305.3	288.0	257.3	223.8	191.6	166.8
25°	316.7	317.6	318.4	319.5	323.4	319.7	295.1	254.7	213.7	177.8	151.6
27.5°	332.7	334.6	335.3	337.0	341.6	335.9	301.1	250.8	202.4	161.9	135.6
30°	354.0	356.5	357.3	359.7	366.0	353.7	304.7	244.1	188.2	145.6	118.6
32.5°	382.8	386.0	388.7	391.3	398.4	371.4	305.0	234.4	171.5	127.4	102.2
35°	420.4	425.4	427.4	429.0	435.7	390.6	303.1	219.9	151.3	108.9	89.2
37.5°	462.5	467.5	468.8	469.7	471.0	407.0	298.3	197.9	128.4	92.7	78.9
40°	514.4	518.7	520.5	519.2	512.3	419.8	287.8	172.2	106.0	81.7	72.4
42.5°	577.7	584.2	584.8	579.0	556.1	426.9	266.6	142.0	88.6	73.7	67.4
45°	656.1	655.7	652.0	647.9	603.8	424.1	237.0	115.6	77.6	67.4	62.9
47.5°	726.5	719.2	713.6	701.5	646.0	407.6	198.8	95.7	70.9	62.7	59.0
50°	784.3	770.9	759.0	745.8	677.3	378.5	160.7	81.2	64.6	58.5	55.3
52.5°	829.9	813.6	799.8	786.8	707.5	346.1	131.8	70.6	58.5	54.4	51.2
55°	901.1	884.9	862.9	848.7	753.8	316.3	113.0	62.2	52.7	50.1	46.9
57.5°	1081.5	1067.3	1040.9	1003.9	872.6	305.0	102.4	55.7	48.0	46.4	43.8
60°	1396.5	1373.4	1339.1	1301.4	1114.1	312.7	94.0	51.2	44.7	43.4	41.5
62.5°	1634.1	1593.5	1554.6	1519.8	1307.3	312.4	83.0	47.7	42.3	41.7	39.7
65°	1643.9	1602.6	1563.5	1527.0	1311.6	278.0	70.0	44.7	42.0	41.7	38.4
67.5°	1556.6	1511.9	1474.1	1428.0	1214.1	217.3	56.2	42.8	43.6	43.2	38.0
70°	1414.0	1355.6	1324.6	1279.2	1068.6	152.1	46.2	43.4	47.3	46.0	38.7
72.5°	1109.8	1065.8	1018.4	986.9	836.6	96.1	38.9	43.8	48.8	46.7	40.4
75°	413.1	424.9	405.5	398.6	424.9	56.4	34.6	40.8	43.6	40.4	36.7
77.5°	83.3	79.7	75.6	74.8	96.6	34.8	31.7	35.4	33.5	29.6	29.8
80°	40.0	38.9	37.6	37.4	35.9	28.9	29.4	30.2	25.3	22.9	24.4
82.5°	26.6	25.0	24.7	23.7	24.2	26.0	27.9	26.0	19.4	18.1	22.0
85°	12.3	11.9	11.6	11.6	12.9	23.3	23.2	19.0	13.4	12.9	22.0
87.5°	3.1	3.1	3.3	3.1	3.4	6.9	6.0	5.9	4.9	5.6	10.3
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: P180461

CATALOG NUMBER: ICM-F01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	206.1	206.1	206.1
2.5°	207.6	207.8	207.6
5°	209.6	209.6	209.6
7.5°	209.6	208.9	208.7
10°	206.5	204.6	204.6
12.5°	201.4	198.1	197.7
15°	191.6	187.3	186.7
17.5°	179.3	173.5	172.4
20°	165.5	158.1	156.8
22.5°	150.3	142.0	141.3
25°	135.4	126.8	125.1
27.5°	118.8	110.4	109.5
30°	102.2	94.9	94.4
32.5°	88.2	83.6	82.7
35°	78.2	75.6	74.5
37.5°	71.7	69.8	69.6
40°	66.8	65.0	64.8
42.5°	62.7	61.1	60.9
45°	58.5	57.2	56.8
47.5°	54.4	53.1	52.9
50°	50.8	49.0	48.8
52.5°	47.3	45.6	45.1
55°	44.1	42.3	42.3
57.5°	41.3	39.5	39.3
60°	38.7	36.9	36.7
62.5°	36.7	34.6	34.3
65°	35.3	33.0	32.7
67.5°	34.3	31.7	31.1
70°	35.9	31.1	30.0
72.5°	36.1	30.4	28.9
75°	34.8	28.7	27.6
77.5°	30.4	25.7	24.7
80°	26.3	19.9	18.3
82.5°	25.0	16.2	14.0
85°	19.4	10.6	10.0
87.5°	11.0	5.9	4.7
90°	0.0	0.0	0.0

(END OF REPORT)