

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: P181155

Luminaire Tested: **ICM-E01-LED-E1-T2-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181155
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
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-T2-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1257.2 lumens
Efficiency: N/A
Efficacy: 50.9 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: B0 - U0 - G1

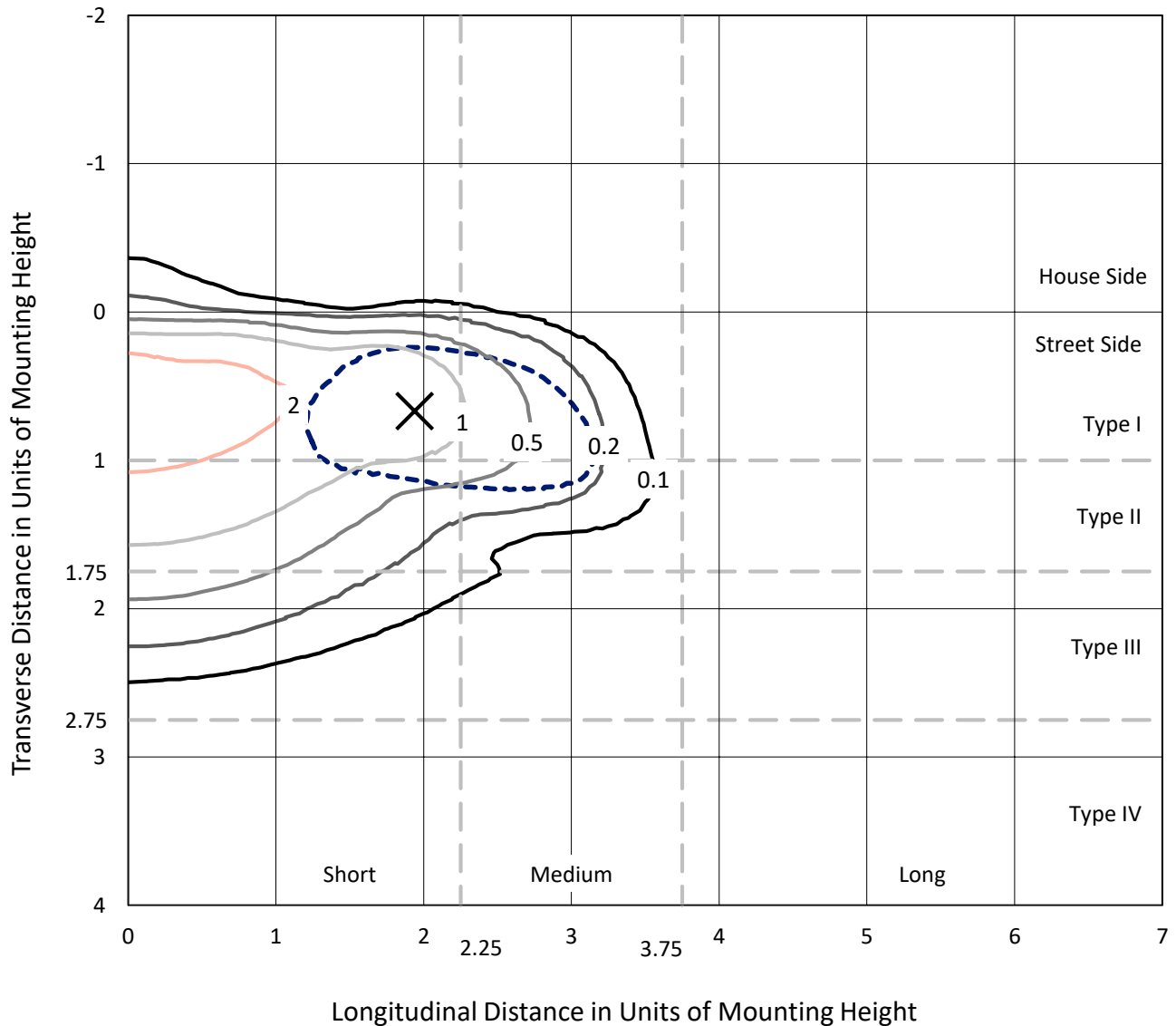
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181155
 CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

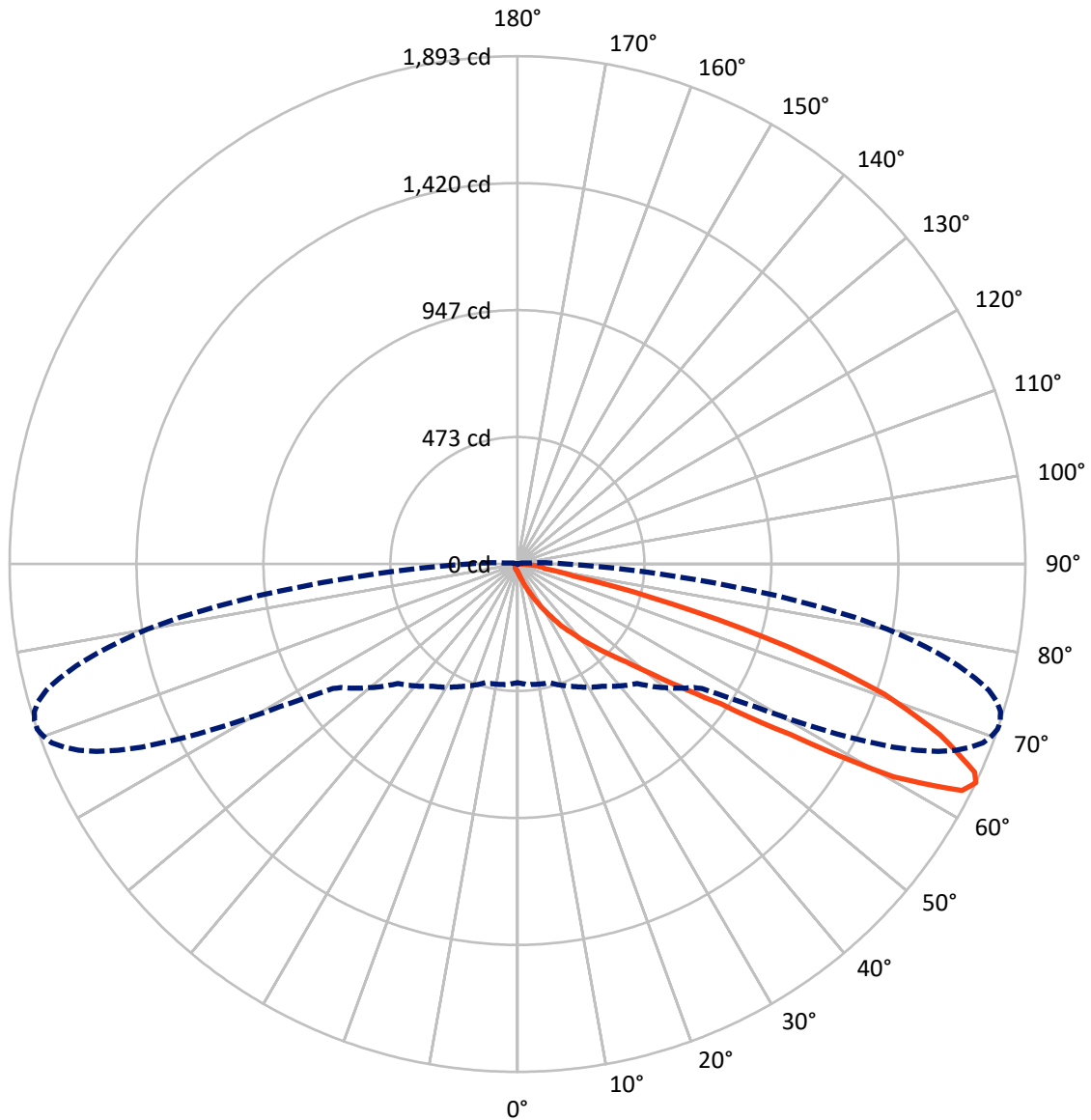
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P181155
CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P181155

CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

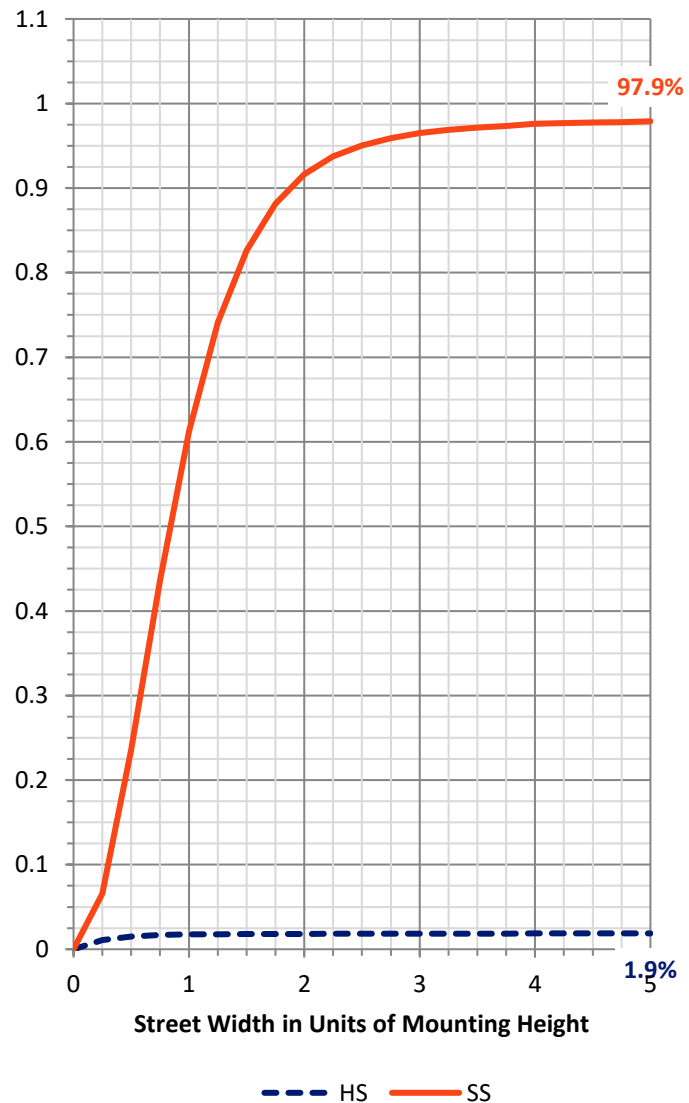
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24.0	0.0	24.0
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1233.1	0.0	1233.1
	% Fixture	98.1	0.0	98.1
Total	Lumens	1257.2	0.0	1257.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.3
10°-20°	22.7	1.8
20°-30°	58.1	4.6
30°-40°	117.4	9.3
40°-50°	214.7	17.1
50°-60°	334.4	26.6
60°-70°	371.7	29.6
70°-80°	121.2	9.6
80°-90°	13.0	1.0
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°	1257.2	100.0
0°-180°	1257.2	100.0



REPORT NUMBER: P181155

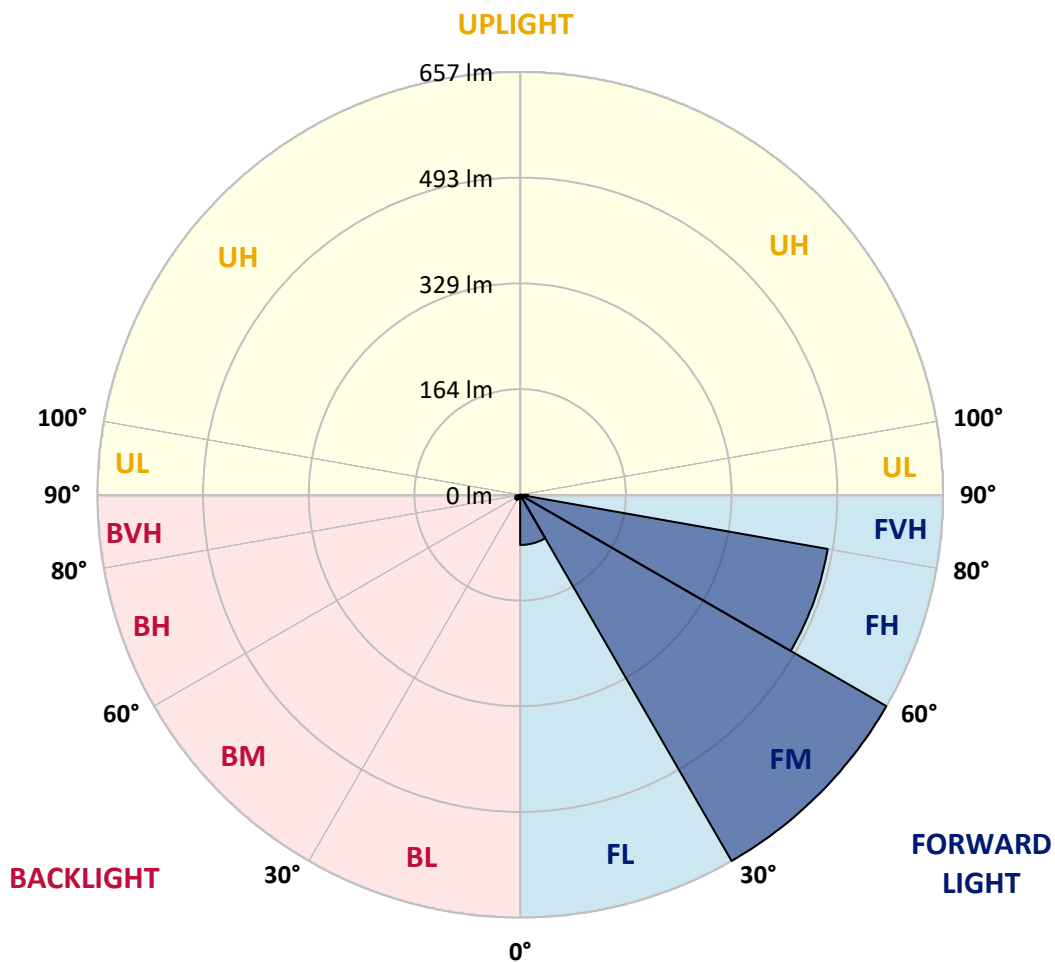
CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.9	6.2			
FM (30°-60°)	657.2	52.3			
FH (60°-80°)	485.5	38.6			G0/660
FVH (80°-90°)	12.4	1.0			G1/100
BL (0°-30°)	6.7	0.5	B0/110		
BM (30°-60°)	9.3	0.7	B0/220		
BH (60°-80°)	7.4	0.6	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





REPORT NUMBER: P181155

CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
2.5°	37.7	37.1	37.1	36.4	35.3	34.3	33.2	32.9	32.7	32.5	32.5
5°	59.2	57.0	56.3	53.4	49.8	45.3	41.4	40.3	40.3	39.5	39.0
7.5°	92.9	91.8	86.3	83.4	74.9	64.1	52.8	51.8	51.5	50.5	48.9
10°	136.1	134.0	130.0	121.7	106.0	87.4	71.4	68.8	67.0	64.9	62.8
12.5°	179.3	176.7	170.9	157.3	141.6	117.8	92.1	89.8	86.9	84.0	80.6
15°	222.4	220.7	211.7	198.1	177.7	149.2	116.7	112.6	110.1	104.5	101.8
17.5°	259.9	257.5	250.4	235.0	213.8	182.4	143.9	138.7	134.8	131.3	125.1
20°	292.3	290.0	283.2	270.3	246.5	215.6	173.2	170.6	163.5	158.3	154.7
22.5°	312.2	311.4	307.0	294.7	273.5	246.0	206.8	202.5	197.9	190.8	186.6
25°	324.5	323.7	321.1	312.5	298.0	278.0	243.6	238.4	234.2	227.9	222.7
27.5°	337.3	336.8	334.7	327.2	319.5	307.0	281.0	278.2	269.0	265.4	260.4
30°	358.5	356.2	358.0	354.3	344.7	336.8	318.8	314.6	310.6	304.4	299.9
32.5°	392.3	388.4	392.3	388.4	384.2	374.8	357.5	356.2	352.3	348.4	342.0
35°	433.7	432.1	435.3	438.6	435.3	422.6	401.7	397.8	396.2	390.0	387.6
37.5°	475.3	478.1	483.9	491.4	489.4	480.2	450.7	447.0	444.1	438.6	434.4
40°	520.0	520.3	532.6	543.5	549.0	543.5	504.6	501.7	497.8	490.0	488.8
42.5°	568.7	566.6	575.7	588.0	599.3	606.9	575.7	570.2	564.7	555.8	549.9
45°	611.9	611.9	619.2	630.7	648.0	667.1	650.9	645.1	639.9	632.6	625.8
47.5°	643.8	644.1	648.5	665.2	692.2	720.7	721.2	722.3	718.4	709.8	710.0
50°	666.3	663.4	669.4	685.7	716.8	761.6	793.8	795.5	798.7	791.6	793.8
52.5°	682.8	681.5	685.4	699.0	730.1	784.8	853.1	861.0	865.7	866.8	875.4
55°	674.1	675.0	684.4	704.0	737.5	800.3	903.6	916.5	927.4	936.9	947.6
57.5°	645.6	648.0	664.5	695.1	739.1	812.8	957.3	976.9	997.6	1022.7	1043.9
60°	600.1	605.6	627.8	670.7	723.9	796.4	973.3	1003.4	1035.1	1073.2	1115.9
62.5°	533.4	534.4	549.0	590.7	649.3	708.7	900.0	938.5	980.4	1035.5	1095.3
64°	442.0	451.4	458.2	504.0	556.4	630.4	803.2	829.9	888.2	956.0	1031.1
65°	364.8	376.1	381.6	427.4	487.3	558.0	718.9	747.4	808.9	877.8	971.4
67.5°	215.2	207.5	223.5	250.4	300.7	384.5	484.9	506.7	552.5	634.3	709.2
70°	138.7	138.7	153.4	180.8	227.4	291.5	333.1	324.0	333.7	365.3	418.2
72.5°	89.0	93.7	102.6	125.9	169.0	244.5	340.5	297.3	274.8	264.3	263.8
75°	40.6	43.2	52.8	66.7	90.3	159.3	343.4	324.5	303.8	283.9	268.5
77.5°	8.7	10.0	16.7	34.5	44.0	73.6	243.6	271.9	294.4	300.9	300.9
80°	4.5	4.7	7.1	16.2	18.9	24.8	94.0	123.5	152.3	190.2	230.0
82.5°	1.9	2.1	4.2	7.3	7.8	7.6	24.8	31.4	43.2	62.8	93.7
85°	0.6	0.6	1.9	2.9	4.2	3.4	5.5	6.3	8.1	11.8	22.5
87.5°	0.0	0.0	0.3	0.6	0.7	1.3	1.6	1.6	1.6	1.6	1.6
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: P181155
 CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
2.5°	32.2	32.2	31.9	31.6	31.6	31.2	31.2	30.9	30.9	30.6	30.6
5°	38.7	38.2	37.7	36.9	36.7	36.1	35.6	35.1	34.5	34.3	33.8
7.5°	48.2	47.6	46.0	45.0	43.7	42.9	41.9	41.1	40.3	39.8	38.7
10°	60.7	58.9	58.1	54.4	53.7	51.8	50.2	49.2	47.1	45.8	44.5
12.5°	78.5	75.1	73.8	67.5	65.7	63.1	61.2	58.6	56.3	54.7	52.4
15°	98.7	96.0	91.1	84.8	81.4	78.5	74.0	72.0	68.8	65.4	62.0
17.5°	122.7	118.0	112.6	104.5	100.2	95.8	91.6	87.2	82.0	78.8	75.1
20°	150.7	145.8	139.0	128.7	123.8	119.3	112.0	108.8	102.6	96.3	91.6
22.5°	181.4	176.4	169.9	158.3	151.8	144.5	138.4	132.9	125.6	119.3	113.9
25°	215.9	210.1	205.2	191.8	183.7	176.1	169.6	159.9	153.6	146.3	138.7
27.5°	255.2	248.4	241.8	227.2	219.5	211.2	203.4	193.1	187.2	175.1	168.0
30°	295.4	287.1	280.3	265.4	258.6	250.0	239.2	230.0	219.8	211.7	200.2
32.5°	337.9	331.1	325.6	309.9	301.2	290.5	280.8	271.2	262.2	249.1	238.7
35°	383.2	377.1	371.1	357.5	349.9	341.8	330.8	319.0	306.7	293.1	283.7
37.5°	430.8	426.0	421.3	404.8	396.0	387.4	374.8	363.0	352.0	337.6	321.7
40°	480.7	476.3	468.7	455.1	445.7	437.9	426.3	415.4	400.4	384.5	370.3
42.5°	543.5	533.9	527.4	512.4	502.5	493.9	483.6	467.2	454.6	435.4	421.9
45°	617.1	607.9	597.2	582.1	569.8	555.6	541.2	530.0	514.2	496.9	479.4
47.5°	699.8	692.5	679.9	665.0	652.7	638.5	621.6	607.2	588.0	567.9	544.1
50°	790.9	783.3	774.9	758.1	745.9	732.5	719.2	702.1	684.8	660.8	636.2
52.5°	875.4	876.9	872.0	864.2	858.1	844.3	831.9	815.7	800.6	778.6	759.4
55°	958.9	972.5	977.8	985.3	987.9	976.7	976.4	952.6	943.4	930.6	919.6
57.5°	1069.0	1099.2	1123.0	1169.0	1188.4	1208.0	1211.7	1195.0	1212.2	1190.0	1197.6
60°	1162.8	1218.0	1277.1	1396.2	1455.8	1500.8	1537.0	1563.6	1580.9	1610.2	1611.8
62.5°	1171.2	1258.1	1348.0	1521.8	1603.5	1671.7	1736.9	1782.4	1818.6	1851.8	1859.9
64°	1131.1	1238.6	1348.0	1558.1	1641.7	1717.6	1776.9	1822.2	1859.2	1879.8	1893.4
65°	1058.3	1178.7	1304.6	1534.1	1620.2	1700.8	1757.6	1803.2	1838.0	1858.6	1872.8
67.5°	784.1	900.6	1026.9	1294.1	1429.7	1503.5	1576.3	1640.1	1668.1	1694.2	1699.3
70°	477.9	562.4	649.6	897.4	1023.3	1155.9	1237.9	1331.3	1396.8	1437.0	1450.3
72.5°	288.4	317.7	369.8	503.0	623.6	716.8	830.1	919.4	992.7	1033.2	1053.6
75°	256.7	253.0	259.9	315.4	358.2	414.2	455.4	511.4	556.7	570.8	597.2
77.5°	296.7	286.3	275.5	265.1	263.0	257.8	249.4	251.5	231.6	212.5	213.0
80°	264.3	289.5	304.4	293.4	268.5	243.4	212.5	174.0	136.1	112.6	102.6
82.5°	132.7	188.7	242.6	296.0	292.3	270.0	236.1	194.0	150.2	115.4	92.1
85°	40.8	72.5	102.0	141.9	164.7	161.5	141.9	138.0	98.4	76.7	59.2
87.5°	1.9	1.9	1.9	1.6	1.9	1.9	1.9	2.1	2.1	2.3	2.3
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: P181155

CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
2.5°	30.6	30.3	30.1	29.9	29.9	29.9	29.6	29.6	29.3	29.3	29.0
5°	33.8	33.2	32.9	32.5	32.5	31.9	31.6	31.4	30.9	30.6	30.3
7.5°	38.0	37.4	36.7	35.8	35.6	34.8	34.0	33.5	32.9	32.5	31.9
10°	43.4	42.4	40.8	39.8	39.0	38.0	36.9	36.1	35.1	34.0	33.5
12.5°	50.5	48.4	46.9	45.0	43.4	41.9	40.0	39.0	38.0	36.4	35.3
15°	58.6	56.6	54.7	51.5	48.9	46.9	45.3	42.9	41.1	39.0	37.4
17.5°	72.5	67.0	63.3	60.2	57.6	53.7	50.5	47.9	45.6	42.9	41.1
20°	86.1	81.4	76.4	72.7	67.0	63.6	59.4	55.7	51.5	48.4	45.3
22.5°	106.0	100.0	93.7	88.2	80.4	75.6	70.1	65.4	60.2	55.0	51.5
25°	131.1	122.2	113.9	106.0	98.7	91.6	84.6	76.9	71.4	65.2	59.4
27.5°	157.6	147.6	139.4	129.3	119.8	111.3	102.3	94.2	84.8	76.7	69.9
30°	190.8	177.2	167.7	155.4	146.0	134.0	123.0	112.3	100.7	91.3	81.7
32.5°	224.6	215.4	199.4	188.9	174.8	160.5	148.9	136.7	122.5	110.1	98.4
35°	269.0	253.3	240.0	225.3	209.9	195.0	180.1	162.5	148.1	132.9	118.5
37.5°	308.3	292.3	276.8	257.8	240.3	224.6	206.5	188.2	171.2	153.1	135.8
40°	353.9	334.0	315.6	297.9	276.1	257.5	238.7	215.9	196.3	176.4	156.0
42.5°	403.5	383.4	361.7	341.3	317.5	294.7	271.4	248.7	226.6	202.5	178.7
45°	458.0	436.7	412.5	389.1	363.3	338.1	310.4	284.2	258.3	231.4	203.9
47.5°	525.5	498.3	475.8	446.7	414.5	388.1	354.0	324.3	294.7	263.3	232.4
50°	612.9	582.1	549.6	517.4	481.8	448.3	410.6	375.3	335.7	300.7	265.4
52.5°	728.8	705.8	668.1	631.3	587.8	545.1	493.3	447.5	396.7	352.0	308.8
55°	893.5	878.2	845.6	805.3	767.4	705.0	645.4	574.1	508.2	443.8	383.2
57.5°	1191.5	1175.1	1138.7	1129.0	1070.6	1024.8	955.0	862.8	751.1	652.7	554.5
60°	1620.8	1588.6	1552.9	1546.4	1477.9	1429.7	1360.4	1262.2	1157.0	1000.0	866.2
62.5°	1860.5	1850.8	1822.0	1786.6	1727.3	1655.8	1577.8	1482.8	1376.0	1238.4	1079.3
64°	1892.7	1883.7	1858.9	1819.1	1759.5	1688.5	1602.1	1507.5	1400.4	1274.8	1129.5
65°	1872.5	1859.9	1838.7	1802.1	1746.6	1678.6	1591.7	1495.6	1387.1	1266.1	1131.1
67.5°	1710.0	1704.2	1684.8	1650.8	1616.0	1554.8	1478.3	1392.6	1303.8	1183.9	1073.2
70°	1451.9	1447.7	1423.2	1409.5	1352.0	1313.2	1251.4	1183.9	1105.4	1022.0	927.7
72.5°	1076.4	1062.2	1042.3	1021.7	982.7	929.6	881.4	809.5	768.8	698.5	645.4
75°	570.8	561.9	531.0	487.8	439.6	414.8	364.8	320.1	284.5	268.5	230.0
77.5°	197.3	179.8	162.5	143.2	113.6	89.5	71.4	57.0	45.0	39.8	33.2
80°	98.4	93.4	87.9	76.9	64.7	52.1	40.8	32.2	26.4	22.5	20.2
82.5°	79.8	70.7	63.1	55.3	44.2	36.4	28.7	23.5	19.3	17.0	14.9
85°	47.1	36.1	27.4	24.8	19.3	16.7	14.4	12.3	10.5	10.0	9.1
87.5°	1.9	2.3	2.3	1.9	2.3	2.1	2.1	1.9	1.9	1.9	1.9
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: P181155

CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
2.5°	29.0	28.7	28.7	28.6	28.3	28.3	28.3	28.0	27.4	26.4	25.7
5°	30.1	29.9	29.6	29.0	28.7	28.6	28.3	28.3	27.0	25.1	23.8
7.5°	31.4	30.9	30.3	29.9	29.6	29.0	28.6	28.3	26.4	24.1	22.8
10°	32.7	31.9	31.2	30.9	30.1	29.6	28.7	28.3	26.1	23.3	21.5
12.5°	34.3	33.2	32.2	31.4	30.3	29.9	29.0	28.3	25.7	22.5	20.4
15°	36.1	34.5	33.2	32.5	31.4	30.1	29.0	28.3	25.1	21.8	19.3
17.5°	38.5	36.7	35.1	33.5	31.9	30.6	29.6	28.6	24.4	20.7	18.0
20°	42.1	39.8	37.1	35.3	33.2	31.6	29.9	28.6	23.8	19.6	17.0
22.5°	47.1	43.4	40.6	37.4	34.8	32.7	30.6	29.0	23.1	18.6	15.7
25°	54.1	49.5	44.7	40.8	37.4	34.5	31.9	29.9	22.5	17.8	14.9
27.5°	62.0	56.6	50.2	45.6	40.8	36.7	33.8	31.2	22.5	17.3	14.1
30°	73.0	65.2	57.6	51.5	45.3	40.6	36.4	32.9	22.5	17.0	13.3
32.5°	86.3	77.5	67.8	59.2	51.8	45.0	39.8	35.3	23.1	16.5	12.8
35°	104.9	91.8	80.4	69.6	59.9	52.1	45.3	39.3	23.8	16.2	12.0
37.5°	119.6	103.9	89.2	76.9	65.7	56.0	47.3	40.8	23.1	15.2	11.3
40°	137.1	119.3	101.6	86.1	73.3	60.7	50.8	42.9	22.5	13.9	10.2
42.5°	158.3	136.1	115.4	97.9	82.0	67.0	55.3	45.6	22.5	13.1	9.4
45°	178.2	153.9	130.9	108.8	90.3	73.8	59.4	48.4	22.2	12.3	8.4
47.5°	202.8	174.0	147.1	121.7	100.2	80.1	63.8	51.1	22.0	11.5	7.6
50°	231.9	196.8	166.4	136.1	110.0	87.6	69.1	54.0	21.5	10.7	6.8
52.5°	264.1	226.4	187.6	152.6	122.0	95.8	74.0	56.6	20.7	10.0	6.0
55°	321.1	269.3	223.5	180.1	140.3	107.8	81.4	60.5	19.9	9.1	5.2
57.5°	458.0	372.2	307.3	241.8	184.7	138.4	101.3	71.7	18.9	8.1	4.2
60°	719.2	577.6	467.4	366.6	279.5	212.5	149.2	106.0	20.2	6.8	3.6
62.5°	922.5	759.7	619.4	493.0	382.9	291.0	217.2	158.3	29.0	6.0	2.9
64°	975.6	810.8	661.0	528.7	414.0	319.3	242.3	179.0	37.4	6.0	2.6
65°	983.4	826.4	676.0	541.8	424.7	326.9	249.7	185.8	40.8	6.3	2.3
67.5°	951.1	817.3	680.5	547.3	432.8	337.3	259.6	196.6	46.0	6.0	1.9
70°	830.6	732.3	619.7	511.9	408.3	320.6	249.7	190.5	48.2	5.8	1.6
72.5°	565.3	497.5	431.1	354.6	284.2	234.2	182.1	134.2	33.8	4.7	1.3
75°	188.5	183.7	164.4	124.6	104.7	85.0	68.0	52.4	12.8	2.9	1.3
77.5°	31.4	27.0	23.5	22.5	18.9	18.3	16.0	12.8	5.5	1.9	1.3
80°	18.3	16.7	14.7	13.1	11.5	10.2	8.7	7.3	3.4	1.3	1.6
82.5°	13.6	12.0	10.7	9.4	8.1	7.1	6.0	4.9	1.9	1.3	1.6
85°	7.8	6.8	6.0	5.2	4.2	3.6	3.2	2.6	1.3	1.3	1.3
87.5°	1.6	1.6	1.3	1.3	1.3	1.3	1.3	1.0	1.3	1.3	1.0
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: P181155

CATALOG NUMBER: ICM-E01-LED-E1-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	28.0	28.0	28.0	28.0	28.0	28.0	28.0
2.5°	25.1	24.4	24.1	24.1	24.1	24.1	24.1
5°	23.1	22.2	21.8	21.5	21.5	21.5	21.5
7.5°	21.5	20.4	19.9	19.3	19.3	19.1	19.1
10°	19.9	18.9	18.0	17.5	17.3	17.3	17.3
12.5°	18.6	17.5	16.5	16.0	16.0	15.7	15.7
15°	17.5	16.0	15.2	14.7	14.7	14.4	14.4
17.5°	16.2	14.9	14.1	13.6	13.3	13.3	13.3
20°	14.9	13.6	12.8	12.6	12.3	12.3	12.0
22.5°	13.9	12.6	11.8	11.5	11.3	11.3	11.0
25°	12.8	11.5	10.7	10.5	10.2	10.0	10.0
27.5°	12.0	10.7	10.0	9.4	9.1	8.9	8.9
30°	11.3	9.7	8.9	8.4	8.1	7.8	7.8
32.5°	10.5	8.9	7.8	7.3	7.1	6.8	6.8
35°	9.4	7.8	6.8	6.5	6.3	6.0	5.8
37.5°	8.7	6.8	6.0	5.5	5.2	4.9	4.9
40°	7.6	6.0	5.2	4.7	4.2	3.9	3.9
42.5°	6.8	5.2	4.5	3.6	3.4	3.2	3.2
45°	6.0	4.7	3.6	2.9	2.6	2.3	2.3
47.5°	5.2	3.9	2.9	2.3	2.1	1.9	1.9
50°	4.5	3.2	2.1	1.6	1.9	1.6	1.6
52.5°	3.9	2.3	1.6	1.6	1.6	1.6	1.6
55°	3.2	1.9	1.3	1.3	1.6	1.6	1.6
57.5°	2.6	1.3	1.0	1.3	1.3	1.3	1.3
60°	1.9	1.0	1.0	1.3	1.3	1.3	1.3
62.5°	1.6	1.0	1.0	1.0	1.3	1.3	1.3
64°	1.3	1.0	1.0	1.0	1.3	1.3	1.3
65°	1.3	1.0	1.0	1.0	1.3	1.3	1.3
67.5°	1.3	1.0	1.0	1.0	1.3	1.3	1.3
70°	1.0	1.0	1.0	1.0	1.3	1.3	1.3
72.5°	1.0	1.0	1.0	1.0	1.3	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.3	1.3	1.3
77.5°	1.0	1.0	1.0	1.3	1.3	1.3	1.3
80°	1.0	1.0	1.0	1.3	1.3	1.3	1.3
82.5°	1.0	1.0	1.0	1.3	1.3	1.3	1.3
85°	1.0	1.0	1.0	1.3	1.3	1.3	1.3
87.5°	1.0	1.0	1.0	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)