

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: P181387

Luminaire Tested: **ICS-E02-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181387
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E02-LED-E1-T3-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2476.9 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

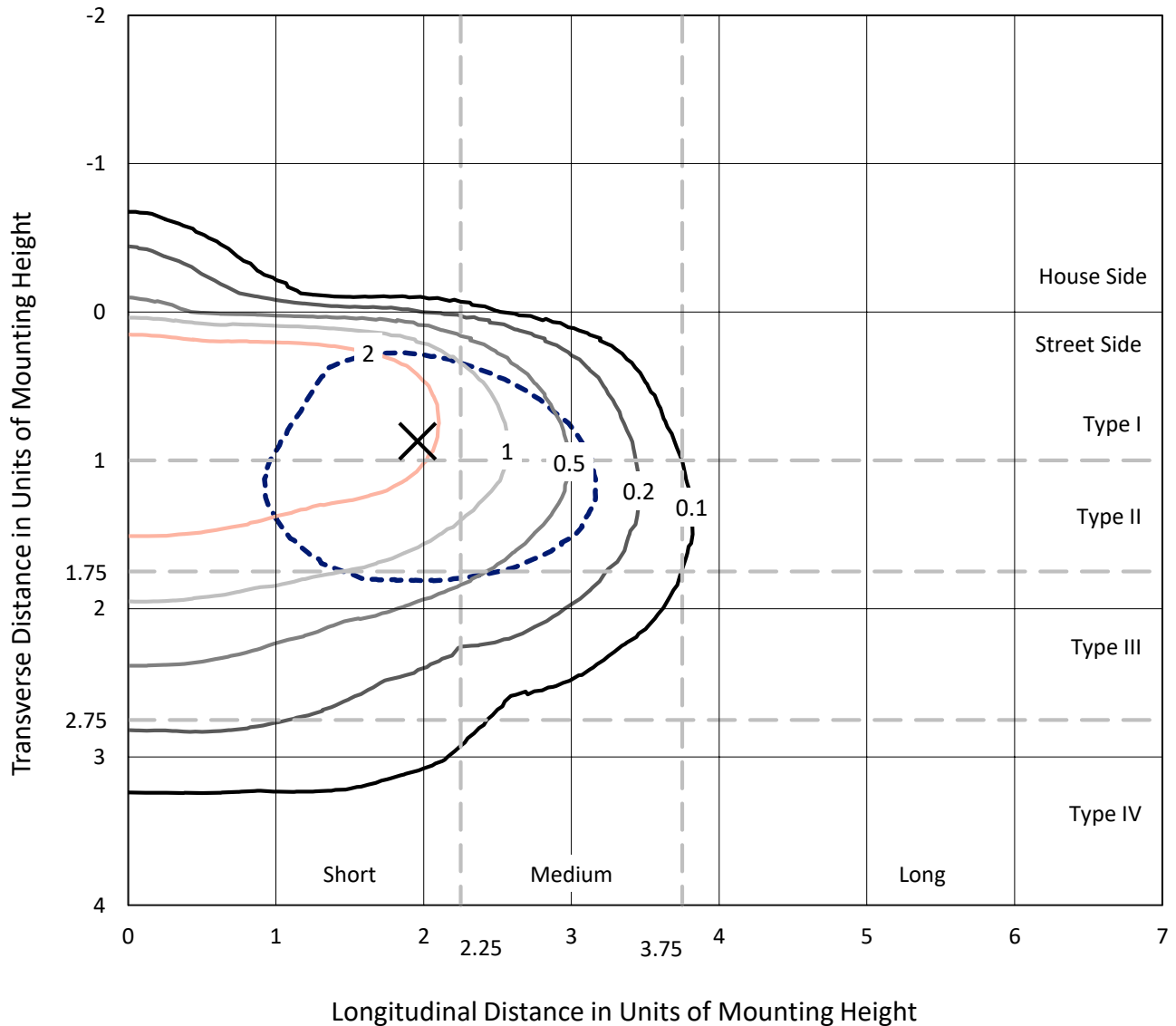
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181387
 CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

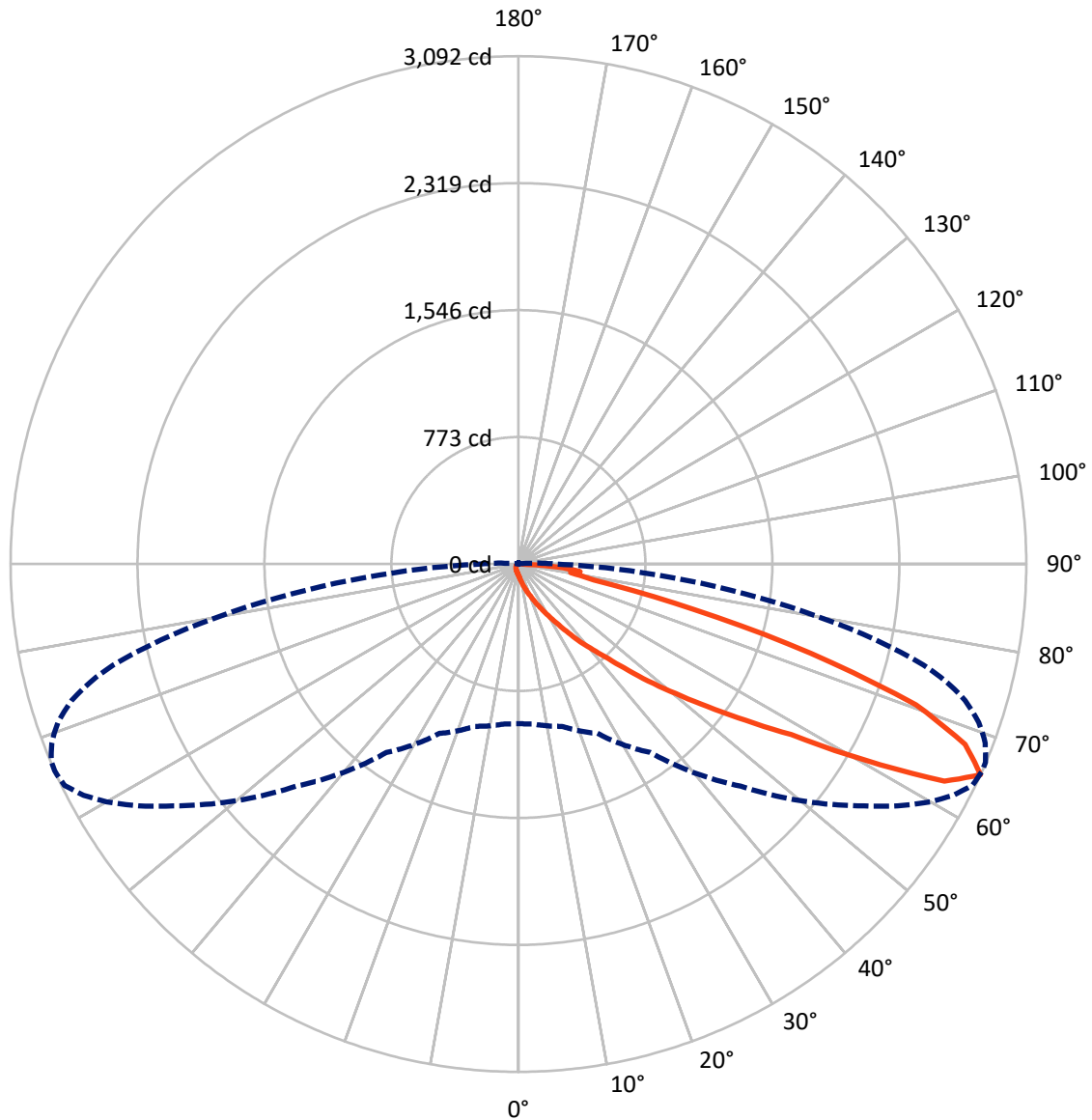
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P181387
CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P181387

CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

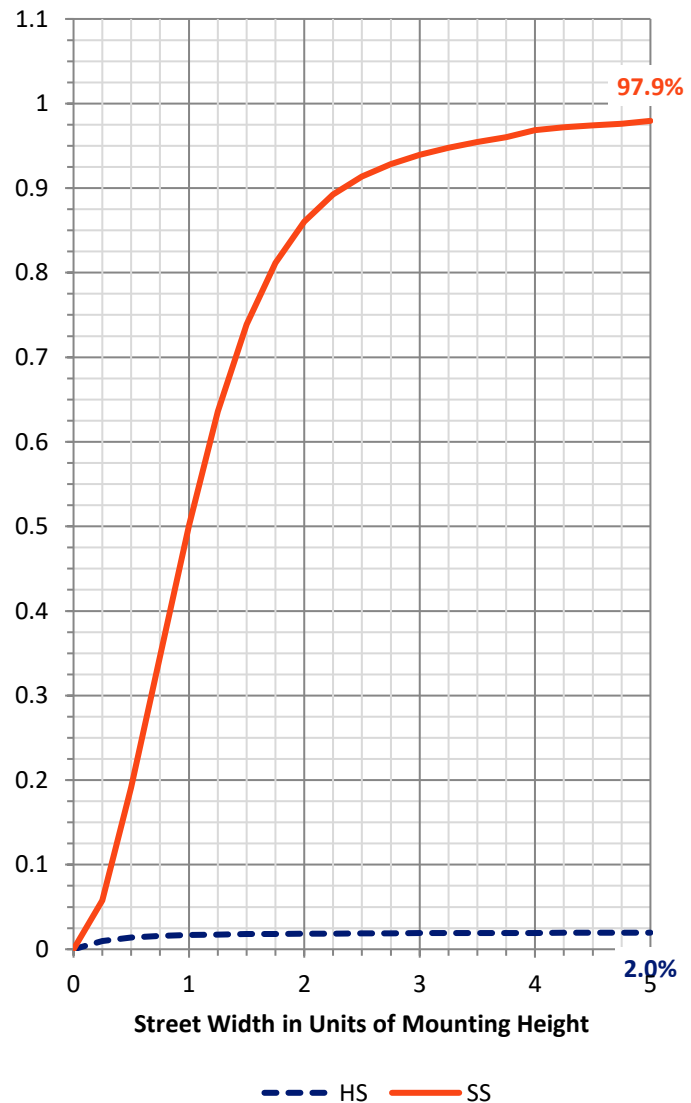
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.8	0.0	49.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	2427.2	0.0	2427.2
	% Fixture	98.0	0.0	98.0
Total	Lumens	2476.9	0.0	2476.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.3
10°-20°	40.3	1.6
20°-30°	92.0	3.7
30°-40°	175.0	7.1
40°-50°	351.3	14.2
50°-60°	621.6	25.1
60°-70°	812.2	32.8
70°-80°	334.0	13.5
80°-90°	42.1	1.7
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°	2476.9	100.0
0°-180°	2476.9	100.0



REPORT NUMBER: P181387

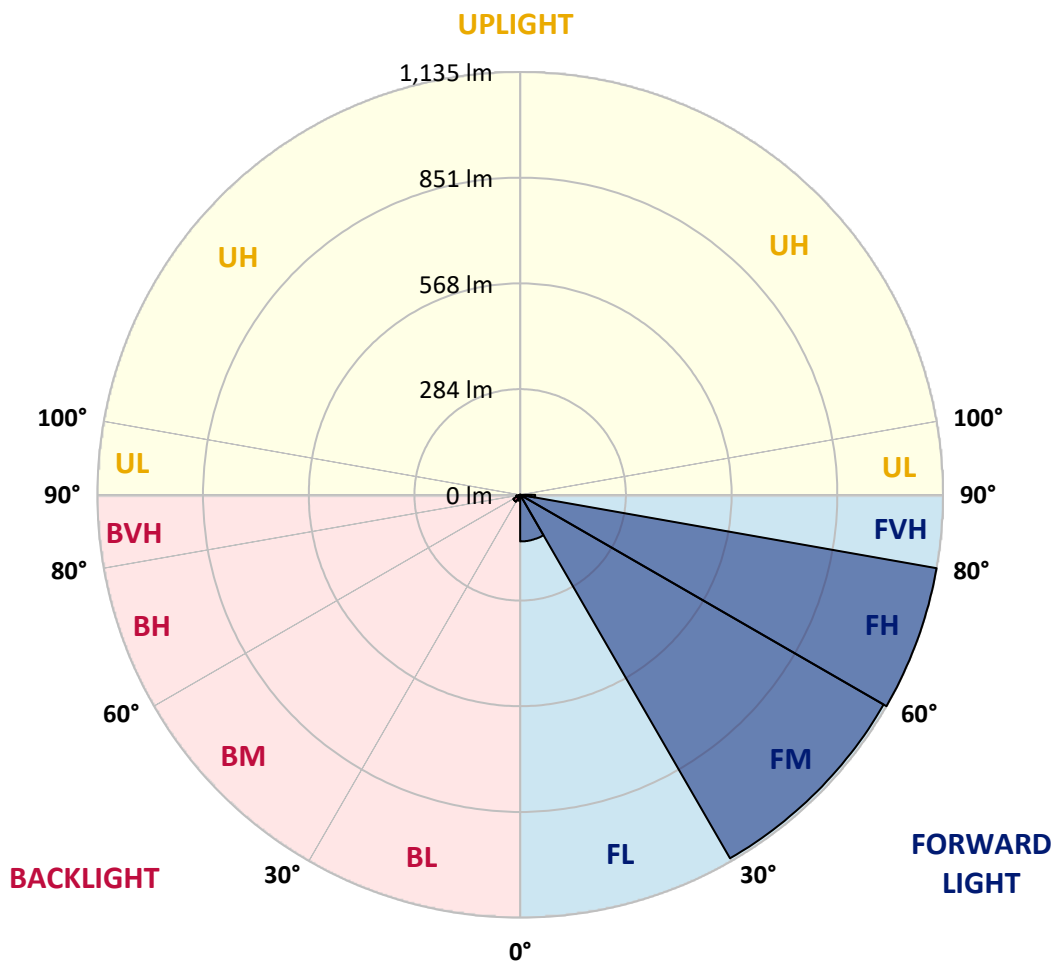
CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.2	5.1			
FM	(30°-60°)	1126.7	45.5			
FH	(60°-80°)	1135.1	45.8			G1/1800
FVH	(80°-90°)	40.2	1.6			G1/100
BL	(0°-30°)	15.6	0.6	B0/110		
BM	(30°-60°)	21.3	0.9	B0/220		
BH	(60°-80°)	11.0	0.4	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			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 III Short





REPORT NUMBER: P181387

CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	91.2	89.6	90.1	87.1	85.1	82.5	80.5	80.0	79.5	78.5	79.0
5°	131.2	129.6	126.1	120.0	114.5	105.8	97.2	96.7	95.2	93.7	92.7
7.5°	182.3	179.8	175.7	165.6	151.9	136.7	119.5	118.0	116.0	113.9	111.9
10°	241.6	240.0	232.4	220.8	200.0	175.2	146.4	144.8	140.3	137.7	135.7
12.5°	303.9	297.3	294.2	274.0	250.2	216.2	179.3	173.7	170.2	166.6	161.5
15°	351.0	352.0	344.9	328.7	300.8	261.3	215.2	209.2	204.1	197.5	191.4
17.5°	393.5	391.5	383.9	373.7	347.4	307.4	253.7	245.6	237.5	234.0	225.4
20°	427.9	426.9	420.8	411.2	391.0	352.5	294.2	287.6	278.5	272.5	262.8
22.5°	455.3	455.3	451.7	446.2	426.4	395.5	337.3	330.2	321.1	313.5	302.8
25°	477.0	476.5	477.0	474.5	461.4	433.0	381.3	373.2	365.6	356.5	346.4
27.5°	501.9	502.9	501.9	500.3	494.8	472.0	425.9	420.3	411.7	402.1	392.0
30°	540.4	537.3	536.8	535.8	529.2	515.0	472.0	465.4	458.8	452.2	445.1
32.5°	580.9	575.8	574.3	574.3	569.7	557.1	525.2	521.6	512.0	506.9	500.9
35°	627.0	624.9	622.9	623.4	621.4	608.2	581.9	582.9	579.9	569.7	563.6
37.5°	694.3	694.8	691.3	684.7	684.7	673.0	657.8	655.8	648.2	645.7	642.1
40°	790.5	788.0	785.0	775.3	771.8	752.0	737.9	732.8	726.7	726.2	722.2
42.5°	901.9	898.9	898.9	891.8	884.7	860.9	834.1	830.5	823.9	826.0	824.5
45°	1005.2	1007.8	1011.3	1016.4	1017.4	1007.3	968.3	963.7	960.2	958.2	956.6
47.5°	1094.4	1098.9	1110.6	1132.4	1160.2	1163.8	1132.9	1120.7	1118.2	1114.6	1111.6
50°	1158.2	1164.8	1191.1	1233.6	1287.8	1321.3	1304.5	1294.4	1293.9	1284.3	1283.3
52.5°	1194.6	1201.7	1244.8	1309.1	1393.2	1458.5	1479.3	1478.8	1477.7	1469.1	1465.6
55°	1202.8	1210.3	1262.0	1349.6	1469.6	1582.6	1662.1	1664.1	1668.7	1666.1	1666.1
57.5°	1180.5	1190.1	1246.3	1354.7	1509.6	1680.8	1854.5	1866.2	1871.7	1891.5	1914.3
60°	1139.4	1146.5	1202.8	1323.8	1516.7	1770.5	2104.7	2141.7	2170.5	2209.5	2246.5
62.5°	1063.5	1077.7	1131.3	1263.0	1495.5	1873.8	2403.5	2471.8	2528.1	2587.3	2658.7
65°	971.3	977.4	1023.0	1137.9	1400.3	1913.3	2568.6	2635.4	2707.3	2770.6	2834.4
67.5°	855.9	860.9	900.4	949.5	1155.7	1728.4	2406.0	2479.9	2544.8	2596.9	2680.5
70°	560.6	571.8	668.5	717.1	807.7	1277.7	1967.4	2038.9	2088.5	2123.9	2220.7
72.5°	410.7	417.8	456.8	557.1	579.3	755.1	1384.6	1462.0	1480.3	1547.1	1592.2
75°	250.7	268.4	356.5	477.0	564.7	517.1	829.5	867.0	909.0	957.6	1000.7
77.5°	50.6	57.7	116.5	328.7	496.8	552.5	495.3	502.4	523.1	527.7	543.9
80°	8.1	8.6	15.2	141.8	287.6	446.7	495.3	488.7	477.0	468.9	460.8
82.5°	3.5	4.1	6.6	36.0	61.3	148.9	428.4	461.9	500.3	521.6	527.2
85°	1.5	1.5	2.5	7.1	9.1	10.1	72.4	95.7	170.7	226.9	261.3
87.5°	1.0	1.0	1.5	1.5	2.0	2.5	3.5	3.5	4.1	4.6	6.6
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: P181387

CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	79.0	78.5	78.5	77.0	77.0	76.5	76.5	76.0	76.0	75.0	75.5
5°	92.2	91.2	90.1	88.6	88.1	87.1	86.1	84.6	84.1	83.1	82.5
7.5°	109.9	108.9	106.9	103.8	101.8	99.8	97.7	95.7	94.2	92.7	91.7
10°	131.7	128.6	127.6	121.5	119.0	115.0	112.4	110.4	107.4	104.8	103.3
12.5°	158.0	155.5	150.4	142.3	138.3	134.7	130.2	126.1	123.1	118.5	115.5
15°	185.4	183.3	176.2	167.1	162.1	155.5	150.9	146.9	140.3	137.2	131.7
17.5°	219.8	213.7	206.6	193.5	186.9	181.3	173.2	167.1	163.1	154.0	148.9
20°	255.2	248.7	239.5	224.9	215.7	207.1	200.5	192.4	183.8	177.8	169.1
22.5°	295.8	285.1	278.0	259.8	249.2	240.0	228.9	220.3	211.7	202.1	192.4
25°	338.8	328.2	319.6	298.8	287.6	278.5	265.4	253.2	242.6	231.9	220.8
27.5°	383.9	374.2	364.6	343.4	333.7	321.1	308.9	294.7	281.1	271.4	256.2
30°	436.0	427.9	417.3	394.5	383.9	370.7	358.0	341.3	328.2	315.0	300.3
32.5°	492.2	485.7	474.5	454.3	441.6	430.5	416.8	400.6	381.8	368.2	351.0
35°	560.6	549.5	542.9	523.6	514.0	501.9	487.7	473.5	453.8	434.5	419.8
37.5°	638.6	633.5	624.9	606.7	599.6	586.9	577.8	563.6	548.5	524.1	508.4
40°	718.6	715.1	707.5	689.2	682.2	673.5	662.9	649.2	631.0	618.3	595.0
42.5°	820.4	814.8	808.8	791.5	777.9	767.2	762.7	751.0	731.8	715.6	697.3
45°	949.5	947.0	938.9	921.7	908.0	900.9	893.8	874.1	861.4	845.2	832.6
47.5°	1105.5	1097.4	1093.4	1074.1	1069.6	1064.0	1045.8	1034.6	1016.4	1003.7	988.0
50°	1274.2	1265.5	1266.1	1242.8	1243.8	1239.7	1226.0	1212.9	1197.2	1186.0	1176.4
52.5°	1455.5	1459.5	1449.4	1456.5	1448.4	1439.3	1436.7	1420.5	1406.8	1406.3	1393.2
55°	1678.3	1671.7	1674.2	1681.3	1670.2	1680.3	1675.2	1654.5	1655.0	1659.0	1643.8
57.5°	1917.8	1927.4	1948.2	1952.8	1972.0	1958.8	1993.3	1968.5	1983.7	1983.7	1973.5
60°	2269.3	2307.8	2357.9	2396.9	2432.9	2421.2	2466.3	2437.9	2458.2	2441.0	2432.3
62.5°	2692.6	2743.8	2803.0	2866.3	2902.8	2911.9	2905.3	2918.0	2898.3	2885.6	2852.7
65°	2896.2	2946.9	2998.5	3074.5	3084.6	3092.2	3089.2	3067.9	3043.6	3007.6	2964.6
67.5°	2727.1	2798.0	2826.8	2914.5	2943.8	2933.2	2936.7	2909.4	2871.4	2836.0	2772.7
70°	2261.2	2342.2	2357.4	2483.0	2517.9	2568.6	2550.3	2542.2	2500.7	2470.8	2400.9
72.5°	1646.4	1709.7	1704.6	1845.9	1839.8	1860.6	1909.7	1907.7	1864.1	1854.5	1795.8
75°	1013.4	1051.3	1049.3	1149.6	1107.5	1101.5	1115.1	1109.1	1068.0	1025.5	989.0
77.5°	536.8	554.0	535.8	505.9	502.9	468.9	459.3	458.8	427.4	388.9	360.6
80°	452.2	434.5	413.2	369.7	344.4	321.6	300.3	280.6	259.3	230.9	196.5
82.5°	528.2	519.6	504.4	449.7	423.4	377.8	343.9	312.0	273.0	243.6	199.5
85°	257.3	256.8	268.9	263.3	253.7	251.7	218.3	211.2	195.5	179.3	149.9
87.5°	7.1	5.1	6.1	5.1	6.1	6.6	4.6	10.6	6.6	6.1	7.1
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: P181387

CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	75.0	74.4	73.9	73.9	73.4	73.4	72.9	72.4	72.4	71.9	71.9
5°	81.5	80.5	80.0	79.5	78.5	78.0	77.0	76.5	75.5	75.0	73.9
7.5°	89.6	88.6	86.6	85.6	84.1	83.6	81.0	80.0	79.0	78.0	76.5
10°	99.8	97.2	95.2	93.2	90.6	88.6	86.6	85.1	83.1	80.5	79.5
12.5°	112.4	108.9	105.8	102.3	99.3	96.2	92.7	90.1	87.1	84.6	82.0
15°	126.6	121.5	117.5	112.4	107.4	103.8	100.3	96.7	92.7	89.1	86.1
17.5°	142.8	136.2	130.7	124.6	119.0	113.9	107.9	103.3	98.8	93.7	89.6
20°	160.0	153.4	145.8	139.3	131.2	125.6	118.0	111.9	105.3	100.3	94.7
22.5°	182.8	174.2	164.6	155.5	146.9	138.3	130.2	122.6	114.5	106.9	101.3
25°	209.7	199.0	186.9	177.8	165.6	156.0	145.8	136.2	127.6	118.0	108.9
27.5°	243.1	228.9	215.7	203.1	189.9	177.8	164.6	153.4	141.8	130.7	120.5
30°	282.1	268.4	248.7	234.5	221.3	204.6	191.4	176.7	163.6	147.4	136.2
32.5°	333.7	316.0	295.2	276.5	259.3	240.6	222.3	203.6	186.4	171.7	155.0
35°	401.1	380.3	355.5	331.7	312.5	289.7	266.4	245.1	225.4	204.1	183.3
37.5°	486.2	466.9	440.1	411.2	385.4	358.0	333.7	303.9	277.5	251.7	225.4
40°	570.7	553.0	525.2	494.3	460.8	429.4	398.6	364.6	331.2	298.8	271.4
42.5°	675.1	648.7	618.8	583.9	551.5	514.0	475.5	436.5	396.5	357.5	318.5
45°	806.2	786.0	743.9	706.5	668.0	623.9	576.3	531.7	480.6	434.5	382.9
47.5°	965.7	929.3	898.4	864.0	815.8	773.3	712.5	659.9	596.1	534.8	473.0
50°	1154.1	1133.9	1092.9	1049.8	997.7	947.0	887.8	811.8	735.3	670.0	585.4
52.5°	1374.4	1345.6	1319.7	1275.2	1222.0	1157.2	1089.8	1007.3	913.6	821.4	731.3
55°	1635.7	1615.5	1590.7	1555.2	1487.4	1413.9	1332.9	1234.2	1123.2	999.2	894.3
57.5°	1973.0	1951.8	1927.9	1855.0	1808.9	1718.8	1601.3	1499.0	1379.5	1220.5	1090.3
60°	2433.4	2404.5	2371.1	2311.8	2215.6	2098.6	1972.5	1821.1	1674.7	1501.0	1330.4
62.5°	2826.8	2780.8	2709.4	2632.9	2517.4	2383.2	2224.7	2046.5	1879.8	1684.4	1494.5
65°	2907.9	2844.6	2760.5	2660.7	2541.7	2390.3	2224.7	2054.0	1858.1	1674.2	1483.3
67.5°	2697.2	2623.8	2537.7	2426.3	2312.8	2156.9	2014.0	1840.3	1656.0	1497.0	1326.3
70°	2350.8	2241.9	2153.8	2035.3	1920.4	1797.8	1647.4	1517.2	1367.3	1221.0	1090.3
72.5°	1765.4	1658.0	1578.0	1483.3	1414.9	1285.3	1174.9	1077.7	989.0	879.7	782.9
75°	951.6	871.0	817.4	774.3	713.0	627.5	574.8	507.9	470.5	424.9	380.8
77.5°	310.4	273.5	233.5	194.5	167.1	125.6	121.5	96.7	91.2	88.6	68.4
80°	159.0	122.6	88.6	63.8	48.6	43.0	41.0	39.0	37.0	35.4	32.9
82.5°	159.5	115.5	79.5	55.2	40.0	33.4	31.4	30.4	28.9	27.3	25.3
85°	116.5	86.1	59.3	40.5	27.9	22.3	21.3	19.8	18.7	18.2	16.2
87.5°	7.6	5.6	5.1	4.6	4.6	4.6	5.1	4.6	5.1	5.1	4.6
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: P181387

CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	71.4	70.9	70.9	70.4	69.9	69.9	69.4	69.4	67.9	65.3	63.3
5°	73.4	72.4	71.9	71.4	70.9	69.9	69.4	68.9	66.3	61.3	57.2
7.5°	75.0	73.9	73.4	72.4	70.9	70.4	69.4	68.4	64.3	57.2	52.7
10°	77.5	76.0	74.4	72.9	71.4	70.4	68.9	67.9	61.8	53.7	49.1
12.5°	80.0	78.0	76.0	73.4	71.9	70.4	68.9	66.8	59.8	50.6	45.6
15°	83.1	80.0	77.5	75.0	72.4	70.4	67.9	66.3	57.7	48.1	43.6
17.5°	86.1	82.5	79.0	75.5	72.9	69.9	67.9	65.3	55.7	46.1	41.0
20°	89.6	84.6	81.0	77.0	73.4	69.9	66.8	64.3	53.7	43.6	38.5
22.5°	94.7	88.6	83.1	78.5	73.9	70.4	66.8	63.3	51.7	41.5	36.5
25°	101.3	93.7	87.1	81.5	76.0	71.4	67.4	63.8	50.1	40.0	33.9
27.5°	110.9	101.3	94.2	86.6	79.5	73.9	68.9	64.8	49.1	38.5	32.4
30°	122.6	112.9	101.8	92.7	85.1	77.5	71.9	65.8	48.1	37.0	30.4
32.5°	139.8	126.1	112.9	101.8	91.2	82.5	74.4	68.4	47.6	34.4	28.4
35°	164.6	145.8	130.2	115.5	100.8	90.1	80.5	72.4	47.1	32.4	26.3
37.5°	200.0	177.8	157.5	136.7	118.5	103.3	90.1	79.5	47.1	30.9	24.3
40°	238.0	209.2	183.3	157.5	134.2	115.0	97.2	84.1	46.1	28.9	22.3
42.5°	281.1	245.6	210.2	178.3	149.4	124.6	103.8	87.6	43.6	26.8	20.3
45°	338.8	292.2	249.7	208.6	171.2	138.8	112.4	91.7	41.0	25.3	18.2
47.5°	411.2	357.0	301.8	250.2	201.0	160.0	125.1	98.2	39.5	23.3	16.7
50°	519.1	442.1	369.2	303.3	241.1	187.4	143.8	107.9	38.0	21.8	15.2
52.5°	637.6	542.9	457.3	372.7	295.2	224.3	165.6	120.5	36.5	20.3	13.7
55°	781.9	665.4	561.1	451.2	352.0	267.4	192.4	134.7	34.4	18.7	12.7
57.5°	960.2	812.8	689.2	555.0	430.5	323.1	228.4	158.5	32.4	16.7	11.1
60°	1159.2	992.6	837.1	679.6	528.7	397.0	281.6	192.4	30.4	14.7	9.6
62.5°	1302.5	1119.7	941.9	765.2	599.6	452.2	324.6	218.8	27.3	12.7	8.6
65°	1301.0	1115.6	936.9	762.7	601.6	454.3	326.1	223.8	24.3	11.1	7.6
67.5°	1159.2	1003.2	843.7	687.2	546.4	413.2	301.8	207.6	20.8	10.1	6.6
70°	953.6	829.5	703.4	579.3	466.4	354.0	260.8	180.8	17.7	9.1	5.6
72.5°	696.3	605.7	528.7	441.1	364.1	279.5	208.1	141.8	14.2	7.6	5.1
75°	345.9	309.4	265.4	238.0	203.1	166.1	129.1	82.5	11.6	6.1	4.6
77.5°	65.8	58.7	56.2	48.6	44.6	39.5	34.9	24.8	9.1	4.6	4.1
80°	30.4	27.9	25.3	22.8	20.3	17.2	15.2	13.2	7.1	3.5	4.6
82.5°	23.8	21.8	19.2	17.2	15.2	13.2	11.1	9.6	4.6	3.0	4.6
85°	15.7	13.7	12.2	10.6	9.1	8.1	7.1	6.1	3.0	3.0	3.0
87.5°	4.6	4.6	4.1	4.1	3.5	3.5	3.0	3.0	2.5	2.5	2.5
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: P181387

CATALOG NUMBER: ICS-E02-LED-E1-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	61.3	58.7	57.7	57.2	57.2	57.7	57.2
5°	54.2	51.7	50.6	49.6	49.6	49.6	50.1
7.5°	49.6	47.1	45.6	45.1	44.6	45.1	45.1
10°	45.6	43.6	41.5	40.5	40.5	40.5	40.5
12.5°	42.5	40.0	38.0	37.5	37.0	37.0	37.0
15°	40.0	37.0	35.4	34.4	33.9	33.9	34.4
17.5°	37.0	34.4	32.4	31.9	31.9	31.9	31.9
20°	34.9	31.9	30.4	29.4	29.4	29.4	29.4
22.5°	32.4	29.9	27.9	26.8	26.8	26.8	26.8
25°	30.4	27.9	25.8	24.8	24.8	24.8	24.8
27.5°	28.4	25.8	23.8	22.8	22.8	22.8	22.8
30°	26.3	23.8	21.8	20.8	20.8	20.8	20.8
32.5°	24.8	21.8	19.8	18.7	18.7	19.2	18.7
35°	22.3	19.8	17.7	16.7	16.7	16.7	16.7
37.5°	20.3	17.7	15.7	14.7	14.7	14.7	14.2
40°	18.7	15.7	13.7	12.7	12.2	12.2	12.2
42.5°	16.2	13.2	11.6	10.6	10.1	10.1	10.1
45°	14.7	11.6	9.6	8.6	8.6	8.6	8.6
47.5°	13.2	10.1	8.1	7.1	7.1	7.6	7.6
50°	11.6	8.6	6.6	6.6	6.6	7.1	7.1
52.5°	10.1	7.6	6.1	6.1	6.6	7.1	7.1
55°	9.1	6.6	5.6	6.1	6.6	7.1	7.1
57.5°	8.1	5.6	5.6	6.1	6.6	7.1	7.1
60°	7.1	5.1	5.1	5.6	6.6	7.1	7.1
62.5°	6.1	5.1	5.1	5.6	6.6	7.1	7.1
65°	5.6	5.1	5.1	5.6	6.6	7.1	7.1
67.5°	5.1	4.6	5.1	5.6	6.1	6.6	6.6
70°	4.6	4.6	5.1	5.6	6.1	6.6	6.6
72.5°	4.6	4.6	4.6	5.1	5.6	6.1	6.1
75°	4.6	4.6	4.6	5.1	5.6	6.1	6.1
77.5°	4.6	4.1	4.1	4.6	5.6	6.1	6.1
80°	4.6	4.1	4.1	4.6	5.1	6.1	6.1
82.5°	3.5	3.5	4.1	4.6	5.1	5.6	5.6
85°	3.0	3.5	3.5	4.1	4.6	5.6	5.6
87.5°	2.5	2.5	3.0	3.5	4.1	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)