

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: P181212

Luminaire Tested: **ICS-E02-LED-E1-T2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181212
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: ICS-E02-LED-E1-T2-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2882.5 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

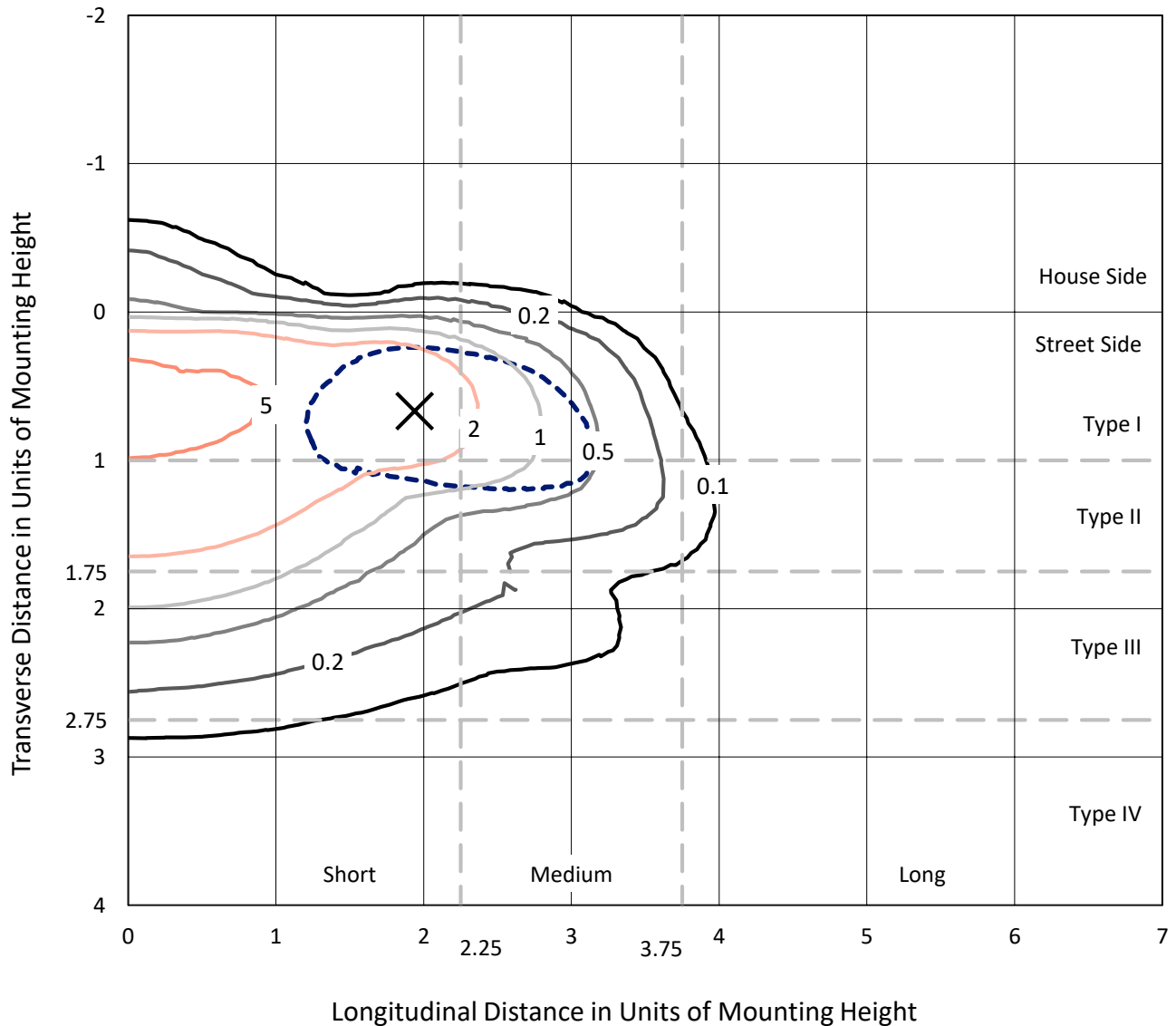
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

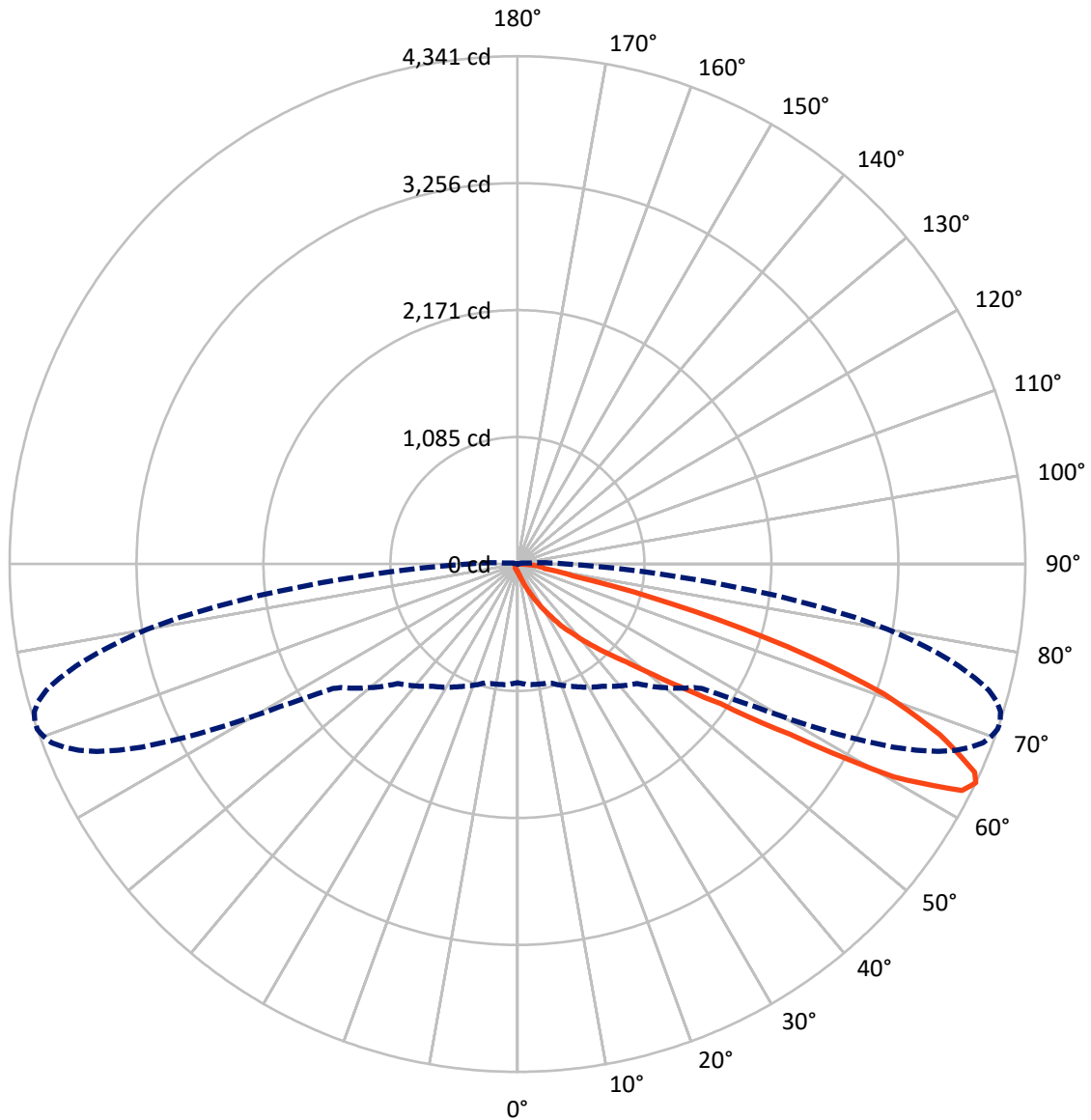
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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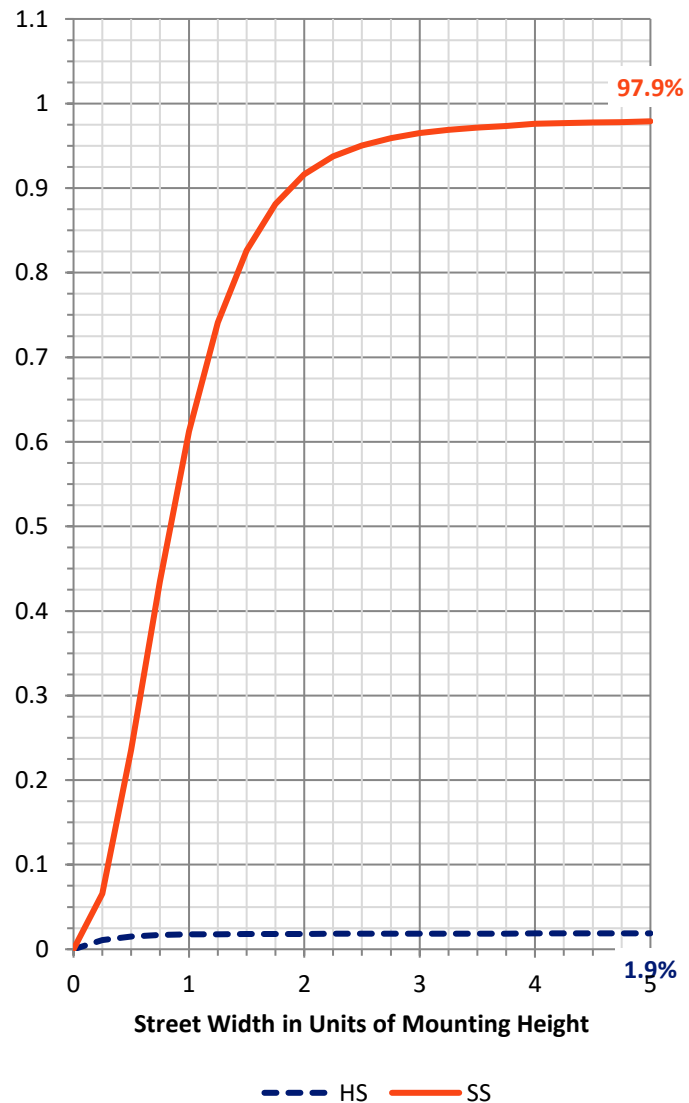
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55.2	0.0	55.2
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2827.3	0.0	2827.3
	% Fixture	98.1	0.0	98.1
Total	Lumens	2882.5	0.0	2882.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.3
10°-20°	52.1	1.8
20°-30°	133.1	4.6
30°-40°	269.3	9.3
40°-50°	492.2	17.1
50°-60°	766.8	26.6
60°-70°	852.3	29.6
70°-80°	278.0	9.6
80°-90°	29.9	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°	2882.5	100.0
0°-180°	2882.5	100.0



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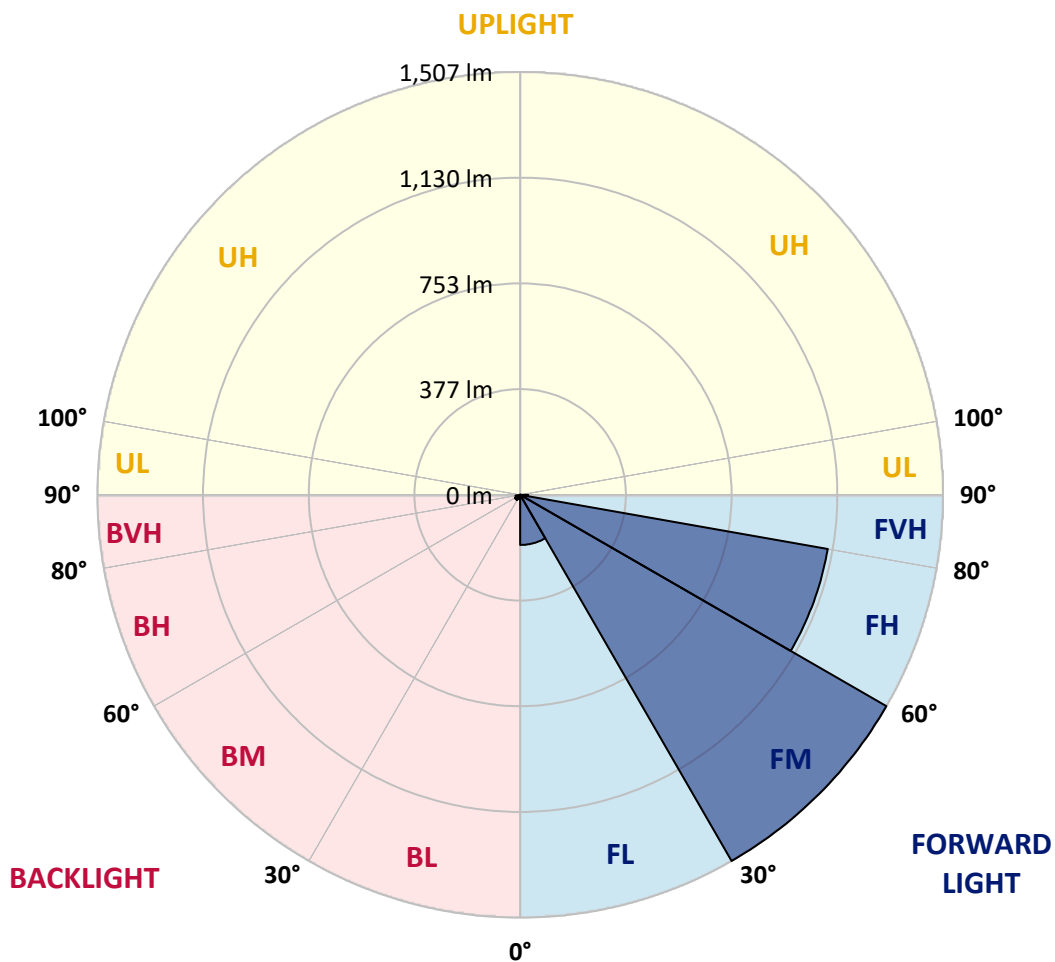
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.7	6.2			
FM (30°-60°)	1506.9	52.3			
FH (60°-80°)	1113.2	38.6			G1/1800
FVH (80°-90°)	28.5	1.0			G1/100
BL (0°-30°)	15.4	0.5	B0/110		
BM (30°-60°)	21.3	0.7	B0/220		
BH (60°-80°)	17.0	0.6	B0/110		G0/110
BVH (80°-90°)	1.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	86.4	85.2	85.2	83.4	81.0	78.6	76.2	75.6	75.0	74.4	74.4
5°	135.6	130.8	129.0	122.4	114.0	103.8	94.8	92.4	92.4	90.6	89.4
7.5°	213.0	210.6	198.0	191.4	171.6	147.0	121.2	118.8	118.2	115.8	112.2
10°	312.0	307.2	298.2	279.0	243.0	200.4	163.8	157.8	153.6	148.8	144.0
12.5°	411.0	405.0	391.8	360.6	324.6	270.0	211.2	205.8	199.2	192.6	184.8
15°	510.0	505.8	485.4	454.2	407.4	342.0	267.6	258.0	252.6	239.4	233.4
17.5°	595.8	590.4	574.2	538.8	490.2	418.2	330.0	318.0	309.0	301.2	286.8
20°	670.2	664.8	649.2	619.8	565.2	494.4	397.2	391.2	375.0	363.0	354.6
22.5°	715.8	714.0	703.8	675.6	627.0	564.0	474.0	464.4	453.6	437.4	427.8
25°	744.0	742.2	736.2	716.4	683.4	637.2	558.6	546.6	537.0	522.6	510.6
27.5°	773.4	772.2	767.4	750.0	732.6	703.8	644.4	637.8	616.8	608.4	597.0
30°	822.0	816.6	820.8	812.4	790.2	772.2	730.8	721.2	712.2	697.8	687.6
32.5°	899.4	890.4	899.4	890.4	880.8	859.2	819.6	816.6	807.6	798.6	784.2
35°	994.3	990.7	997.9	1005.7	997.9	969.1	921.1	912.0	908.4	894.0	888.6
37.5°	1089.7	1096.3	1109.5	1126.9	1122.1	1101.1	1033.3	1024.9	1018.3	1005.7	996.1
40°	1192.3	1192.9	1221.1	1246.3	1258.9	1246.3	1156.9	1150.3	1141.3	1123.3	1120.9
42.5°	1303.9	1299.1	1320.1	1348.3	1374.1	1391.5	1320.1	1307.5	1294.9	1274.5	1260.7
45°	1402.9	1402.9	1419.7	1446.1	1485.7	1529.5	1492.3	1479.1	1467.1	1450.3	1434.7
47.5°	1476.1	1476.7	1486.9	1525.3	1587.1	1652.5	1653.7	1656.1	1647.1	1627.3	1627.9
50°	1527.7	1521.1	1534.9	1572.1	1643.5	1746.1	1819.9	1824.1	1831.3	1815.1	1819.9
52.5°	1565.5	1562.5	1571.5	1602.7	1674.1	1799.5	1956.1	1974.1	1984.9	1987.3	2007.1
55°	1545.7	1547.5	1569.1	1614.1	1690.9	1834.9	2071.9	2101.3	2126.5	2148.1	2172.7
57.5°	1480.3	1485.7	1523.5	1593.7	1694.5	1863.7	2194.9	2239.9	2287.3	2344.9	2393.5
60°	1375.9	1388.5	1439.5	1537.9	1659.7	1825.9	2231.5	2300.5	2373.1	2460.7	2558.5
62.5°	1222.9	1225.3	1258.9	1354.3	1488.7	1624.9	2063.5	2151.7	2247.7	2374.3	2511.1
64°	1013.5	1035.1	1050.7	1155.7	1275.7	1445.5	1841.5	1902.7	2036.5	2191.9	2364.1
65°	836.4	862.2	874.8	979.9	1117.3	1279.3	1648.3	1713.7	1854.7	2012.5	2227.3
67.5°	493.2	475.8	512.4	574.2	689.4	881.4	1111.9	1161.7	1266.7	1454.5	1626.1
70°	318.0	318.0	351.6	414.6	521.4	668.4	763.8	742.8	765.0	837.6	958.9
72.5°	204.0	214.8	235.2	288.6	387.6	560.4	780.6	681.6	630.0	606.0	604.8
75°	93.0	99.0	121.2	153.0	207.0	365.4	787.2	744.0	696.6	651.0	615.6
77.5°	19.8	22.8	38.4	79.2	100.8	168.6	558.6	623.4	675.0	690.0	690.0
80°	10.2	10.8	16.2	37.2	43.2	57.0	215.4	283.2	349.2	436.2	527.4
82.5°	4.2	4.8	9.6	16.8	18.0	17.4	57.0	72.0	99.0	144.0	214.8
85°	1.2	1.2	4.2	6.6	9.6	7.8	12.6	14.4	18.6	27.0	51.6
87.5°	0.0	0.0	0.6	1.2	1.8	3.0	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	73.8	73.8	73.2	72.6	72.6	71.4	71.4	70.8	70.8	70.2	70.2
5°	88.8	87.6	86.4	84.6	84.0	82.8	81.6	80.4	79.2	78.6	77.4
7.5°	110.4	109.2	105.6	103.2	100.2	98.4	96.0	94.2	92.4	91.2	88.8
10°	139.2	135.0	133.2	124.8	123.0	118.8	115.2	112.8	108.0	105.0	102.0
12.5°	180.0	172.2	169.2	154.8	150.6	144.6	140.4	134.4	129.0	125.4	120.0
15°	226.2	220.2	208.8	194.4	186.6	180.0	169.8	165.0	157.8	150.0	142.2
17.5°	281.4	270.6	258.0	239.4	229.8	219.6	210.0	199.8	187.8	180.6	172.2
20°	345.6	334.2	318.6	295.2	283.8	273.6	256.8	249.6	235.2	220.8	210.0
22.5°	415.8	404.4	389.4	363.0	348.0	331.2	317.4	304.8	288.0	273.6	261.0
25°	495.0	481.8	470.4	439.8	421.2	403.8	388.8	366.6	352.2	335.4	318.0
27.5°	585.0	569.4	554.4	520.8	503.4	484.2	466.2	442.8	429.0	401.4	385.2
30°	677.4	658.2	642.6	608.4	592.8	573.0	548.4	527.4	504.0	485.4	459.0
32.5°	774.6	759.0	746.4	710.4	690.6	666.0	643.8	621.6	601.2	571.2	547.2
35°	878.4	864.6	850.8	819.6	802.2	783.6	758.4	731.4	703.2	672.0	650.4
37.5°	987.7	976.9	966.1	928.3	907.8	888.0	859.2	832.2	807.0	774.0	737.4
40°	1102.3	1092.1	1074.7	1043.5	1021.9	1003.9	977.5	952.3	918.0	881.4	849.0
42.5°	1246.3	1224.1	1209.1	1174.9	1152.1	1132.3	1108.9	1071.1	1042.3	998.5	967.3
45°	1414.9	1393.9	1369.3	1334.5	1306.3	1273.9	1240.9	1215.1	1179.1	1139.5	1099.3
47.5°	1604.5	1587.7	1558.9	1524.7	1496.5	1464.1	1425.1	1392.1	1348.3	1302.1	1247.5
50°	1813.3	1795.9	1776.7	1738.3	1710.1	1679.5	1648.9	1609.9	1570.3	1515.1	1458.7
52.5°	2007.1	2010.7	1999.3	1981.3	1967.5	1935.7	1907.5	1870.3	1835.5	1785.1	1741.3
55°	2198.5	2229.7	2241.7	2259.1	2265.1	2239.3	2238.7	2184.1	2163.1	2133.7	2108.5
57.5°	2451.1	2520.1	2574.7	2680.3	2724.7	2769.8	2778.2	2739.7	2779.4	2728.3	2745.7
60°	2665.9	2792.6	2928.2	3201.2	3338.0	3441.2	3524.0	3585.2	3624.8	3692.0	3695.6
62.5°	2685.1	2884.4	3090.8	3489.2	3676.4	3833.0	3982.4	4086.8	4169.6	4245.8	4264.4
64°	2593.3	2840.0	3090.8	3572.6	3764.0	3938.0	4074.2	4178.0	4262.6	4310.0	4341.2
65°	2426.5	2702.5	2991.2	3517.4	3714.8	3899.6	4029.8	4134.2	4214.0	4261.4	4293.8
67.5°	1797.7	2064.7	2354.5	2967.2	3278.0	3447.2	3614.0	3760.4	3824.6	3884.6	3896.0
70°	1095.7	1289.5	1489.3	2057.5	2346.1	2650.3	2838.2	3052.4	3202.4	3294.8	3325.4
72.5°	661.2	728.4	847.8	1153.3	1429.9	1643.5	1903.3	2107.9	2275.9	2368.9	2415.7
75°	588.6	580.2	595.8	723.0	821.4	949.9	1044.1	1172.5	1276.3	1308.7	1369.3
77.5°	680.4	656.4	631.8	607.8	603.0	591.0	571.8	576.6	531.0	487.2	488.4
80°	606.0	663.6	697.8	672.6	615.6	558.0	487.2	399.0	312.0	258.0	235.2
82.5°	304.2	432.6	556.2	678.6	670.2	619.2	541.2	444.6	344.4	264.6	211.2
85°	93.6	166.2	234.0	325.2	377.4	370.2	325.2	316.2	225.6	175.8	135.6
87.5°	4.2	4.2	4.2	3.6	4.2	4.2	4.2	4.8	4.8	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	70.2	69.6	69.0	68.4	68.4	68.4	67.8	67.8	67.2	67.2	66.6
5°	77.4	76.2	75.6	74.4	74.4	73.2	72.6	72.0	70.8	70.2	69.6
7.5°	87.0	85.8	84.0	82.2	81.6	79.8	78.0	76.8	75.6	74.4	73.2
10°	99.6	97.2	93.6	91.2	89.4	87.0	84.6	82.8	80.4	78.0	76.8
12.5°	115.8	111.0	107.4	103.2	99.6	96.0	91.8	89.4	87.0	83.4	81.0
15°	134.4	129.6	125.4	118.2	112.2	107.4	103.8	98.4	94.2	89.4	85.8
17.5°	166.2	153.6	145.2	138.0	132.0	123.0	115.8	109.8	104.4	98.4	94.2
20°	197.4	186.6	175.2	166.8	153.6	145.8	136.2	127.8	118.2	111.0	103.8
22.5°	243.0	229.2	214.8	202.2	184.2	173.4	160.8	150.0	138.0	126.0	118.2
25°	300.6	280.2	261.0	243.0	226.2	210.0	193.8	176.4	163.8	149.4	136.2
27.5°	361.2	338.4	319.8	296.4	274.8	255.0	234.6	216.0	194.4	175.8	160.2
30°	437.4	406.2	384.6	356.4	334.8	307.2	282.0	257.4	231.0	209.4	187.2
32.5°	514.8	493.8	457.2	433.2	400.8	367.8	341.4	313.2	280.8	252.6	225.6
35°	616.8	580.8	550.2	516.6	481.2	447.0	412.8	372.6	339.6	304.8	271.8
37.5°	706.8	670.2	634.8	591.0	550.8	514.8	473.4	431.4	392.4	351.0	311.4
40°	811.2	765.6	723.6	682.8	633.0	590.4	547.2	495.0	450.0	404.4	357.6
42.5°	925.3	879.0	829.2	782.4	727.8	675.6	622.2	570.0	519.6	464.4	409.8
45°	1050.1	1001.5	945.7	892.2	832.8	775.2	711.6	651.6	592.2	530.4	467.4
47.5°	1204.9	1142.5	1090.9	1024.3	950.5	889.8	811.8	743.4	675.6	603.6	532.8
50°	1405.3	1334.5	1260.1	1186.3	1104.7	1027.9	941.5	860.4	769.8	689.4	608.4
52.5°	1671.1	1618.3	1531.9	1447.3	1347.7	1249.9	1131.1	1026.1	909.6	807.0	708.0
55°	2048.5	2013.7	1938.7	1846.3	1759.3	1616.5	1479.7	1316.5	1165.3	1017.7	878.4
57.5°	2731.9	2694.1	2610.7	2588.5	2454.7	2349.7	2189.5	1978.3	1722.1	1496.5	1271.5
60°	3716.0	3642.2	3560.6	3545.6	3388.4	3278.0	3119.0	2894.0	2652.7	2292.7	1986.1
62.5°	4265.6	4243.4	4177.4	4096.4	3960.2	3796.4	3617.6	3399.8	3155.0	2839.4	2474.5
64°	4339.4	4319.0	4262.0	4170.8	4034.0	3871.4	3673.4	3456.2	3210.8	2922.8	2589.7
65°	4293.2	4264.4	4215.8	4131.8	4004.6	3848.6	3649.4	3429.2	3180.2	2903.0	2593.3
67.5°	3920.6	3907.4	3863.0	3785.0	3705.2	3564.8	3389.6	3192.8	2989.4	2714.5	2460.7
70°	3329.0	3319.4	3263.0	3231.8	3099.8	3011.0	2869.4	2714.5	2534.5	2343.1	2127.1
72.5°	2467.9	2435.5	2389.9	2342.5	2253.1	2131.3	2020.9	1855.9	1762.9	1601.5	1479.7
75°	1308.7	1288.3	1217.5	1118.5	1008.1	951.1	836.4	733.8	652.2	615.6	527.4
77.5°	452.4	412.2	372.6	328.2	260.4	205.2	163.8	130.8	103.2	91.2	76.2
80°	225.6	214.2	201.6	176.4	148.2	119.4	93.6	73.8	60.6	51.6	46.2
82.5°	183.0	162.0	144.6	126.6	101.4	83.4	66.0	54.0	44.4	39.0	34.2
85°	108.0	82.8	63.0	57.0	44.4	38.4	33.0	28.2	24.0	22.8	21.0
87.5°	4.2	5.4	5.4	4.2	5.4	4.8	4.8	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: ICS-E02-LED-E1-T2-HSS

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	66.6	66.0	66.0	65.4	64.8	64.8	64.8	64.2	63.0	60.6	58.8
5°	69.0	68.4	67.8	66.6	66.0	65.4	64.8	64.8	61.8	57.6	54.6
7.5°	72.0	70.8	69.6	68.4	67.8	66.6	65.4	64.8	60.6	55.2	52.2
10°	75.0	73.2	71.4	70.8	69.0	67.8	66.0	64.8	60.0	53.4	49.2
12.5°	78.6	76.2	73.8	72.0	69.6	68.4	66.6	64.8	58.8	51.6	46.8
15°	82.8	79.2	76.2	74.4	72.0	69.0	66.6	64.8	57.6	49.8	44.4
17.5°	88.2	84.0	80.4	76.8	73.2	70.2	67.8	65.4	55.8	47.4	41.4
20°	96.6	91.2	85.2	81.0	76.2	72.6	68.4	65.4	54.6	45.0	39.0
22.5°	108.0	99.6	93.0	85.8	79.8	75.0	70.2	66.6	52.8	42.6	36.0
25°	124.2	113.4	102.6	93.6	85.8	79.2	73.2	68.4	51.6	40.8	34.2
27.5°	142.2	129.6	115.2	104.4	93.6	84.0	77.4	71.4	51.6	39.6	32.4
30°	167.4	149.4	132.0	118.2	103.8	93.0	83.4	75.6	51.6	39.0	30.6
32.5°	198.0	177.6	155.4	135.6	118.8	103.2	91.2	81.0	52.8	37.8	29.4
35°	240.6	210.6	184.2	159.6	137.4	119.4	103.8	90.0	54.6	37.2	27.6
37.5°	274.2	238.2	204.6	176.4	150.6	128.4	108.6	93.6	52.8	34.8	25.8
40°	314.4	273.6	232.8	197.4	168.0	139.2	116.4	98.4	51.6	31.8	23.4
42.5°	363.0	312.0	264.6	224.4	187.8	153.6	126.6	104.4	51.6	30.0	21.6
45°	408.6	352.8	300.0	249.6	207.0	169.2	136.2	111.0	51.0	28.2	19.2
47.5°	465.0	399.0	337.2	279.0	229.8	183.6	146.4	117.0	50.4	26.4	17.4
50°	531.6	451.2	381.6	312.0	252.0	201.0	158.4	123.6	49.2	24.6	15.6
52.5°	605.4	519.0	430.2	349.8	279.6	219.6	169.8	129.6	47.4	22.8	13.8
55°	736.2	617.4	512.4	412.8	321.6	247.2	186.6	138.6	45.6	21.0	12.0
57.5°	1050.1	853.2	704.4	554.4	423.6	317.4	232.2	164.4	43.2	18.6	9.6
60°	1648.9	1324.3	1071.7	840.6	640.8	487.2	342.0	243.0	46.2	15.6	8.4
62.5°	2115.1	1741.9	1420.3	1130.5	877.8	667.2	498.0	363.0	66.6	13.8	6.6
64°	2236.9	1858.9	1515.7	1212.1	949.3	732.0	555.6	410.4	85.8	13.8	6.0
65°	2254.9	1894.9	1549.9	1242.1	973.9	749.4	572.4	426.0	93.6	14.4	5.4
67.5°	2180.5	1873.9	1560.1	1254.7	992.5	773.4	595.2	450.6	105.6	13.8	4.2
70°	1904.5	1678.9	1420.9	1173.7	936.1	735.0	572.4	436.8	110.4	13.2	3.6
72.5°	1296.1	1140.7	988.3	813.0	651.6	537.0	417.6	307.8	77.4	10.8	3.0
75°	432.0	421.2	376.8	285.6	240.0	195.0	156.0	120.0	29.4	6.6	3.0
77.5°	72.0	61.8	54.0	51.6	43.2	42.0	36.6	29.4	12.6	4.2	3.0
80°	42.0	38.4	33.6	30.0	26.4	23.4	19.8	16.8	7.8	3.0	3.6
82.5°	31.2	27.6	24.6	21.6	18.6	16.2	13.8	11.4	4.2	3.0	3.6
85°	18.0	15.6	13.8	12.0	9.6	8.4	7.2	6.0	3.0	3.0	3.0
87.5°	3.6	3.6	3.0	3.0	3.0	3.0	3.0	2.4	3.0	3.0	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	57.6	55.8	55.2	55.2	55.2	55.2	55.2
5°	52.8	51.0	49.8	49.2	49.2	49.2	49.2
7.5°	49.2	46.8	45.6	44.4	44.4	43.8	43.8
10°	45.6	43.2	41.4	40.2	39.6	39.6	39.6
12.5°	42.6	40.2	37.8	36.6	36.6	36.0	36.0
15°	40.2	36.6	34.8	33.6	33.6	33.0	33.0
17.5°	37.2	34.2	32.4	31.2	30.6	30.6	30.6
20°	34.2	31.2	29.4	28.8	28.2	28.2	27.6
22.5°	31.8	28.8	27.0	26.4	25.8	25.8	25.2
25°	29.4	26.4	24.6	24.0	23.4	22.8	22.8
27.5°	27.6	24.6	22.8	21.6	21.0	20.4	20.4
30°	25.8	22.2	20.4	19.2	18.6	18.0	18.0
32.5°	24.0	20.4	18.0	16.8	16.2	15.6	15.6
35°	21.6	18.0	15.6	15.0	14.4	13.8	13.2
37.5°	19.8	15.6	13.8	12.6	12.0	11.4	11.4
40°	17.4	13.8	12.0	10.8	9.6	9.0	9.0
42.5°	15.6	12.0	10.2	8.4	7.8	7.2	7.2
45°	13.8	10.8	8.4	6.6	6.0	5.4	5.4
47.5°	12.0	9.0	6.6	5.4	4.8	4.2	4.2
50°	10.2	7.2	4.8	3.6	4.2	3.6	3.6
52.5°	9.0	5.4	3.6	3.6	3.6	3.6	3.6
55°	7.2	4.2	3.0	3.0	3.6	3.6	3.6
57.5°	6.0	3.0	2.4	3.0	3.0	3.0	3.0
60°	4.2	2.4	2.4	3.0	3.0	3.0	3.0
62.5°	3.6	2.4	2.4	2.4	3.0	3.0	3.0
64°	3.0	2.4	2.4	2.4	3.0	3.0	3.0
65°	3.0	2.4	2.4	2.4	3.0	3.0	3.0
67.5°	3.0	2.4	2.4	2.4	3.0	3.0	3.0
70°	2.4	2.4	2.4	2.4	3.0	3.0	3.0
72.5°	2.4	2.4	2.4	2.4	3.0	3.0	3.0
75°	2.4	2.4	2.4	2.4	3.0	3.0	3.0
77.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
80°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
82.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
85°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
87.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)