

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: P180718

Luminaire Tested: **ICS-E01-LED-E1-SL3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180718
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E01-LED-E1-SL3
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2732.6 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

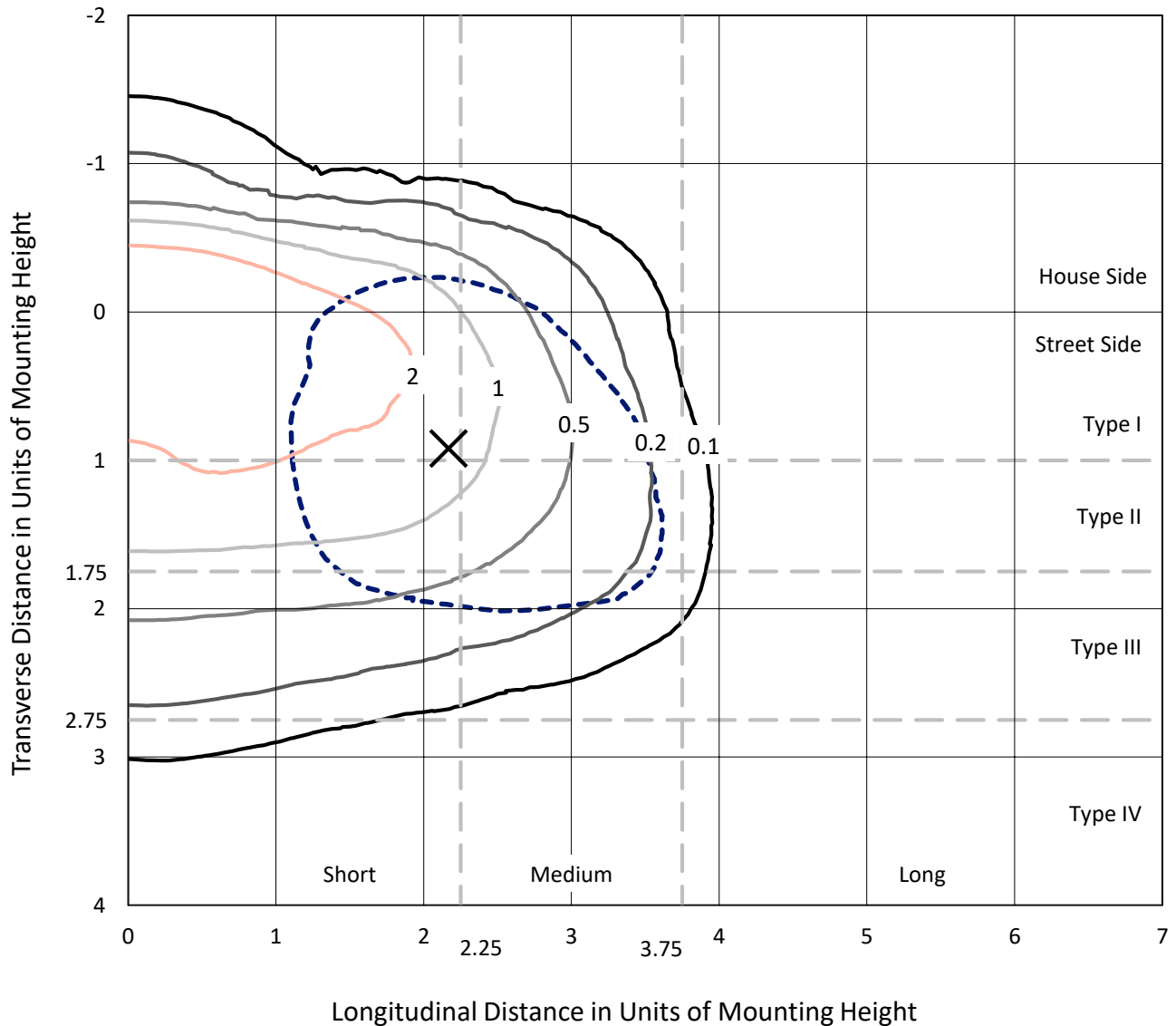
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

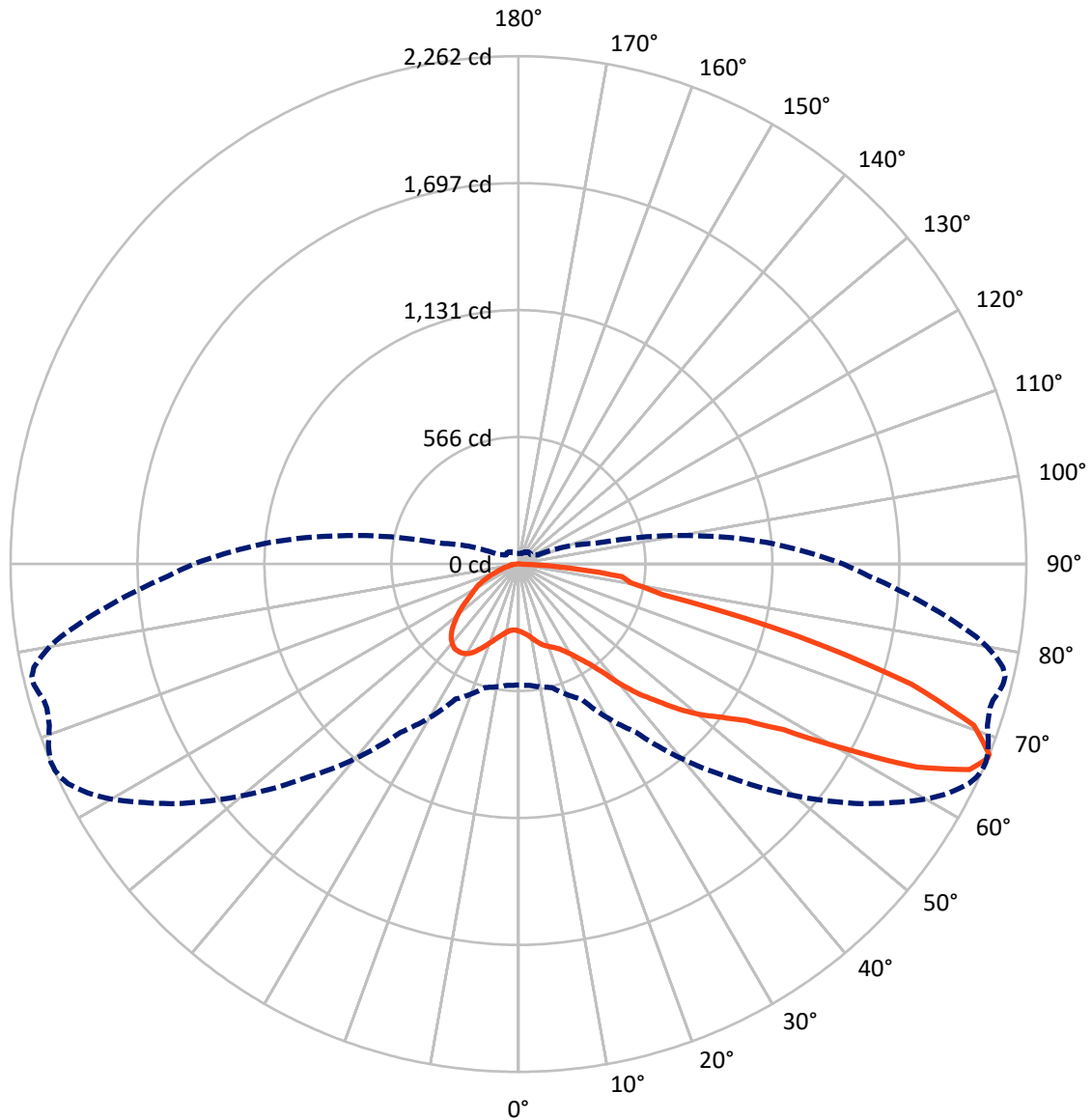
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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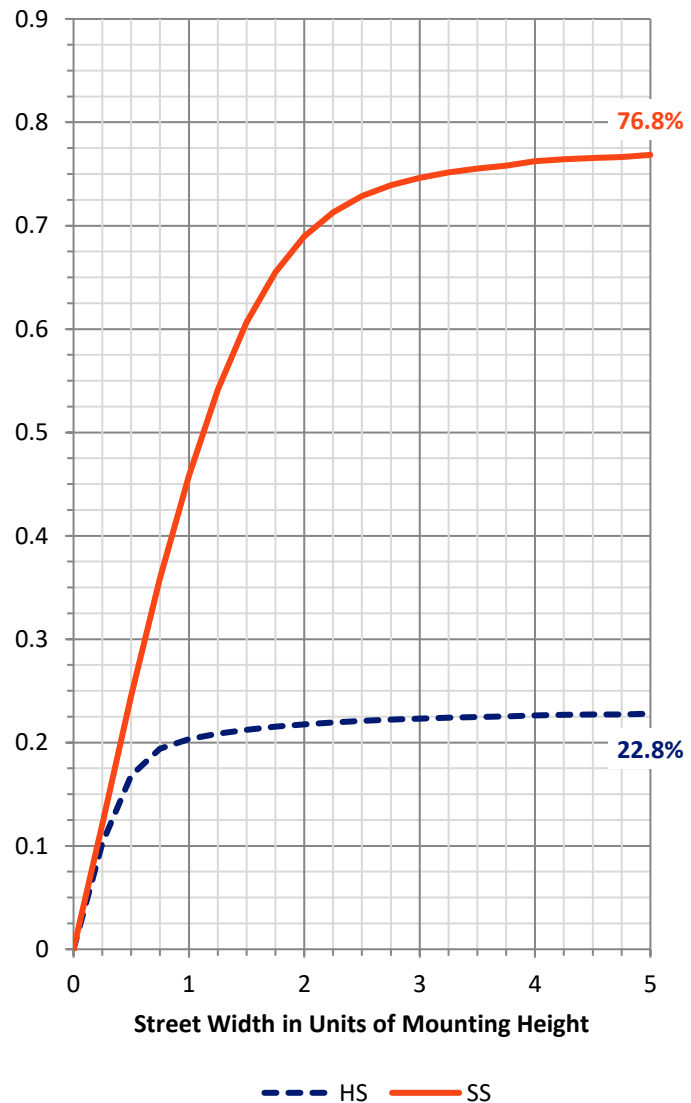
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.6	0.0	630.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2102.1	0.0	2102.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	2732.6	0.0	2732.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	1.1
10°-20°	101.9	3.7
20°-30°	179.9	6.6
30°-40°	258.3	9.5
40°-50°	392.3	14.4
50°-60°	577.6	21.1
60°-70°	767.6	28.1
70°-80°	375.5	13.7
80°-90°	49.9	1.8
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°	2732.6	100.0
0°-180°	2732.6	100.0



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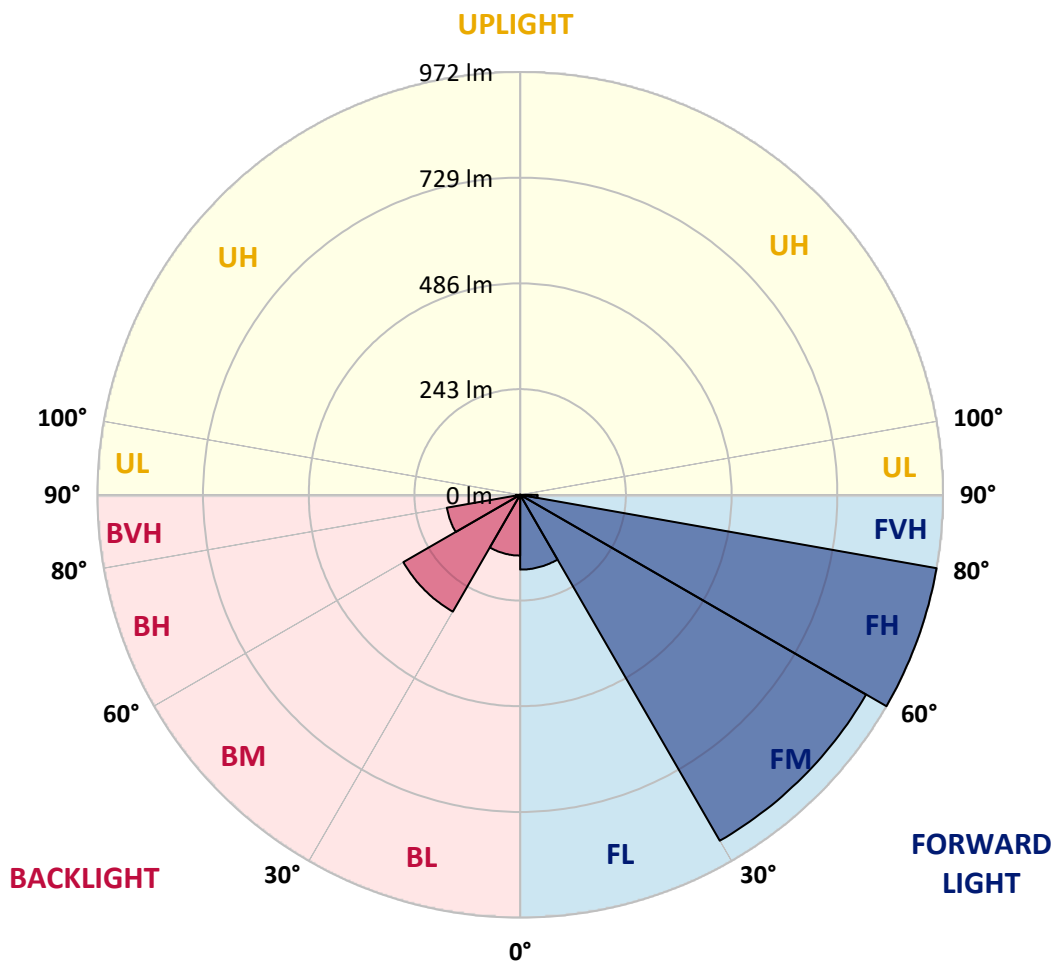
CATALOG NUMBER: ICS-E01-LED-E1-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	171.9	6.3			
FM	(30°-60°)	918.1	33.6			
FH	(60°-80°)	972.0	35.6			G1/1800
FVH	(80°-90°)	40.0	1.5			G1/100
BL	(0°-30°)	139.7	5.1	B1/500		
BM	(30°-60°)	310.0	11.3	B1/1000		
BH	(60°-80°)	171.1	6.3	B1/500		G1/500
BVH	(80°-90°)	9.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5
2.5°	312.6	312.9	312.3	312.0	310.2	308.4	307.2	305.7	305.7	305.7	305.1
5°	330.3	329.1	330.0	327.9	324.3	321.0	317.7	315.0	314.4	314.4	313.2
7.5°	351.6	350.1	349.5	346.5	341.1	336.3	329.7	327.0	325.5	324.9	324.3
10°	377.4	377.4	373.5	368.4	361.2	352.8	345.6	340.8	340.5	340.5	337.8
12.5°	403.8	404.4	399.3	394.2	382.5	371.4	363.0	357.6	357.3	356.1	354.6
15°	428.1	426.6	423.3	415.8	402.9	389.7	379.2	373.8	372.6	371.4	370.5
17.5°	448.2	446.7	442.5	432.9	419.4	403.8	390.9	385.2	384.6	384.0	382.8
20°	460.8	459.6	453.6	442.5	428.4	412.5	398.7	394.8	393.6	393.6	393.0
22.5°	468.0	466.2	457.5	442.8	429.0	417.3	405.9	403.5	402.6	402.9	402.9
25°	471.6	470.1	457.8	436.8	423.6	420.3	415.5	414.0	414.3	414.6	415.2
27.5°	472.2	470.1	455.7	429.0	416.7	426.0	429.3	431.7	431.7	432.9	435.0
30°	467.7	465.3	451.5	423.0	413.7	437.4	450.6	456.9	459.3	458.7	463.5
32.5°	459.9	458.4	447.3	423.0	422.1	459.9	483.3	492.3	493.5	494.1	499.5
35°	457.2	456.9	452.1	437.4	448.2	499.5	535.2	542.1	543.6	543.6	547.5
37.5°	456.6	458.1	463.5	464.4	494.1	558.3	605.1	615.6	615.6	618.6	618.6
40°	456.6	459.9	480.3	504.6	550.2	634.8	699.6	711.6	711.6	714.9	713.1
42.5°	474.3	479.1	512.7	558.9	621.0	713.7	788.1	801.6	802.5	801.6	804.3
45°	509.1	513.3	554.1	620.4	693.9	798.3	872.7	888.9	885.6	887.7	888.6
47.5°	555.3	561.9	608.4	687.6	765.0	876.6	967.6	982.3	981.1	982.0	978.1
50°	604.5	611.4	663.3	754.2	835.8	939.7	1043.8	1065.7	1063.6	1065.1	1067.2
52.5°	648.0	652.2	702.3	804.3	889.5	998.5	1102.3	1129.6	1134.4	1135.0	1136.5
55°	673.8	678.9	724.8	829.2	928.6	1056.1	1169.2	1210.6	1219.9	1222.3	1228.9
57.5°	682.8	688.2	729.9	832.8	949.9	1110.1	1262.5	1335.4	1343.2	1356.1	1377.1
60°	682.5	688.2	724.5	824.7	971.5	1177.0	1407.7	1529.8	1569.4	1582.6	1612.6
62.5°	654.6	661.2	698.1	800.1	999.1	1262.5	1623.7	1811.5	1862.5	1886.5	1918.9
65°	593.4	598.2	632.7	737.7	991.3	1346.8	1804.3	2038.6	2085.1	2120.2	2178.1
67°	539.1	542.1	569.1	663.9	915.0	1349.8	1861.3	2095.0	2135.5	2172.7	2232.4
67.5°	525.3	531.6	552.6	641.4	886.5	1332.7	1857.4	2086.3	2127.7	2166.4	2229.4
70°	427.5	436.5	447.0	506.7	696.9	1121.2	1719.7	1935.7	1972.0	2008.0	2095.9
72.5°	263.7	279.9	282.0	319.8	453.6	774.9	1391.5	1632.4	1659.7	1685.5	1775.5
75°	155.4	157.8	165.3	195.9	266.1	463.2	933.7	1212.7	1237.9	1250.5	1321.0
77.5°	86.7	89.1	95.4	121.8	204.6	312.0	543.6	712.5	727.8	743.7	732.3
80°	36.0	39.3	42.3	49.2	95.7	246.3	373.8	453.0	462.9	472.2	483.9
82.5°	17.4	18.6	22.8	26.1	34.8	101.1	293.1	392.7	404.4	417.9	445.2
85°	8.1	9.0	12.6	15.0	16.8	25.5	98.1	191.1	207.3	210.3	215.7
87.5°	0.6	0.6	1.5	2.1	3.0	3.3	10.2	14.4	16.2	14.7	18.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5
2.5°	304.8	304.5	303.9	303.9	303.6	303.6	303.6	303.0	303.0	303.0	302.7
5°	312.9	312.6	311.7	311.7	311.1	311.1	310.2	309.9	309.3	309.3	309.0
7.5°	323.4	323.1	321.9	321.9	321.0	320.7	320.1	319.2	319.2	318.6	318.0
10°	337.8	336.9	336.6	335.1	335.4	334.8	334.2	333.3	332.7	332.1	331.5
12.5°	354.0	354.0	352.5	351.6	352.2	351.6	350.4	350.1	349.2	349.2	348.3
15°	369.3	369.3	368.7	367.5	367.8	366.9	366.6	366.0	364.8	365.1	364.8
17.5°	382.5	382.5	381.6	381.0	381.0	380.1	380.4	379.8	379.2	378.9	378.0
20°	393.0	393.0	392.4	391.8	392.1	392.1	391.2	391.2	391.2	390.6	390.6
22.5°	403.2	403.5	403.5	403.5	403.8	404.1	403.8	404.4	404.1	404.7	404.7
25°	416.7	417.6	418.2	418.2	419.7	420.0	420.3	421.2	421.2	422.1	422.4
27.5°	436.8	437.4	439.8	440.4	440.7	443.1	443.4	444.6	445.8	446.1	446.4
30°	464.4	465.9	467.7	468.9	468.9	471.9	473.1	472.5	475.8	476.7	477.9
32.5°	501.3	502.5	504.3	505.5	506.7	508.2	508.5	510.0	512.7	515.1	513.6
35°	547.8	550.8	547.8	551.1	552.0	554.1	553.5	555.3	556.5	557.4	557.1
37.5°	615.3	613.8	613.2	612.0	609.9	617.1	613.5	613.2	611.4	616.5	613.2
40°	704.1	705.0	705.9	701.1	698.4	698.4	697.5	694.2	692.7	697.2	696.6
42.5°	796.8	797.7	793.5	790.5	783.6	782.7	778.5	777.6	776.1	778.5	776.1
45°	881.1	881.7	872.4	873.9	868.5	869.4	862.8	865.5	861.9	864.3	868.8
47.5°	975.4	976.6	968.5	971.8	966.4	963.1	962.8	964.6	960.7	963.1	964.3
50°	1060.9	1059.4	1055.2	1056.1	1053.7	1054.3	1050.7	1054.0	1049.5	1054.3	1053.7
52.5°	1136.8	1135.0	1134.1	1137.1	1135.0	1135.0	1132.9	1134.4	1135.0	1142.2	1143.7
55°	1228.9	1230.4	1231.9	1237.3	1239.7	1235.8	1239.7	1247.2	1247.5	1264.6	1273.9
57.5°	1376.8	1387.3	1392.7	1396.0	1410.1	1408.6	1417.6	1435.6	1437.4	1477.0	1500.1
60°	1634.8	1653.4	1671.1	1661.5	1690.0	1698.7	1704.1	1737.7	1748.2	1785.7	1805.8
62.5°	1960.6	1962.7	1990.3	1981.6	1997.8	1993.9	2000.5	2015.8	2029.6	2060.5	2079.4
65°	2188.0	2197.9	2208.7	2197.6	2197.3	2184.1	2175.7	2175.4	2183.8	2190.4	2211.4
67°	2249.8	2259.7	2262.4	2254.3	2242.6	2225.8	2210.2	2202.1	2196.7	2199.7	2212.9
67.5°	2249.2	2258.5	2261.8	2254.0	2237.8	2223.7	2207.2	2197.9	2190.7	2192.2	2203.3
70°	2121.4	2141.5	2152.3	2154.7	2152.6	2128.0	2113.9	2105.5	2099.5	2084.8	2083.9
72.5°	1797.4	1821.7	1830.1	1843.6	1849.6	1813.3	1798.0	1807.3	1786.3	1739.8	1741.9
75°	1319.8	1321.6	1293.4	1288.0	1267.9	1185.7	1161.1	1138.6	1102.6	1046.5	993.7
77.5°	687.9	687.6	655.2	638.7	614.7	565.2	562.8	522.6	494.4	443.1	424.5
80°	488.7	496.5	507.3	512.7	504.3	485.1	458.7	430.2	397.5	365.4	327.0
82.5°	454.5	459.3	465.0	444.0	432.3	405.3	385.2	343.8	320.7	284.1	245.4
85°	221.1	235.8	224.4	211.2	206.7	161.7	156.3	130.5	118.5	97.5	90.9
87.5°	14.1	17.4	15.6	14.1	12.3	6.9	9.3	6.6	6.9	5.1	4.5
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5
2.5°	302.7	302.4	302.1	301.8	301.5	301.5	301.2	300.9	300.6	300.0	300.0
5°	308.4	308.4	308.1	307.5	307.5	306.9	306.0	305.7	305.7	305.1	304.5
7.5°	317.7	317.4	316.8	316.5	315.9	315.3	314.7	314.1	313.8	312.9	312.6
10°	331.8	331.2	329.7	329.1	328.8	328.2	327.6	327.0	326.1	325.5	325.2
12.5°	347.7	347.4	346.2	346.8	345.3	344.7	344.1	342.6	343.2	342.0	341.4
15°	363.6	363.9	363.3	363.3	362.1	361.2	360.6	359.4	359.1	358.5	357.9
17.5°	377.7	378.3	377.4	376.8	376.2	375.6	374.4	373.2	373.2	372.0	371.4
20°	390.6	391.2	390.9	390.3	389.4	389.1	388.5	387.6	387.6	387.0	386.1
22.5°	405.3	405.6	405.6	405.3	404.4	404.7	404.1	403.2	403.5	402.3	402.3
25°	423.0	423.6	424.2	424.5	423.9	424.2	423.6	423.0	422.7	423.0	422.7
27.5°	447.3	447.9	449.7	448.2	449.7	450.0	449.1	447.9	448.8	450.3	449.4
30°	479.4	478.8	481.2	481.5	481.2	481.5	480.9	480.0	480.6	483.3	481.8
32.5°	515.4	516.6	517.2	517.8	518.7	519.9	519.0	518.1	519.6	518.7	520.8
35°	558.9	561.6	562.5	561.6	562.2	564.3	564.0	564.3	567.3	564.3	568.2
37.5°	613.8	616.5	618.6	617.4	618.9	618.9	621.3	627.9	623.7	629.1	633.3
40°	693.6	697.8	698.1	697.8	699.3	701.1	703.5	710.7	705.9	711.6	715.5
42.5°	775.8	780.9	782.7	779.7	783.0	786.9	787.2	793.5	793.8	794.7	796.8
45°	868.5	873.0	876.6	875.1	875.4	880.5	879.3	885.3	880.8	880.8	882.0
47.5°	967.3	971.5	973.9	976.3	973.3	977.8	979.9	978.7	973.3	972.1	964.9
50°	1057.3	1060.9	1064.5	1071.1	1070.8	1072.9	1074.4	1069.0	1067.8	1061.2	1053.1
52.5°	1152.7	1162.0	1170.1	1183.9	1186.0	1193.2	1190.5	1181.5	1180.0	1169.2	1158.4
55°	1285.6	1312.3	1324.0	1345.3	1359.7	1359.4	1353.4	1351.9	1340.5	1318.9	1306.0
57.5°	1516.9	1558.6	1578.7	1606.3	1610.8	1608.1	1600.3	1586.5	1566.7	1530.4	1507.0
60°	1850.8	1876.6	1900.0	1906.6	1909.9	1904.8	1877.5	1846.9	1808.2	1758.1	1716.4
62.5°	2103.1	2129.5	2146.9	2144.2	2123.5	2097.4	2057.5	2006.2	1951.9	1895.8	1833.4
65°	2231.5	2242.6	2239.9	2218.9	2183.5	2137.9	2079.7	2016.4	1952.5	1886.2	1821.4
67°	2224.6	2224.9	2206.6	2165.8	2120.5	2063.2	1992.1	1923.1	1848.1	1778.5	1701.4
67.5°	2212.3	2211.1	2185.6	2140.9	2092.0	2032.9	1959.1	1887.7	1810.0	1739.8	1660.0
70°	2073.1	2056.3	1998.7	1927.3	1859.2	1779.4	1702.0	1620.1	1532.5	1472.2	1380.4
72.5°	1703.5	1646.8	1547.5	1472.8	1399.9	1295.5	1247.2	1145.5	1084.0	1045.6	976.3
75°	986.5	939.1	862.2	792.3	756.9	695.1	665.7	591.0	575.4	574.8	550.8
77.5°	376.5	328.5	279.0	224.7	191.1	151.8	133.8	119.7	108.9	116.4	105.6
80°	282.3	232.2	181.5	132.0	94.2	69.6	59.7	55.2	52.5	50.4	48.9
82.5°	210.3	165.9	128.7	84.0	58.8	44.4	38.4	36.0	34.8	32.7	30.9
85°	71.1	57.0	45.0	31.2	24.6	20.1	18.6	18.0	17.1	15.6	14.7
87.5°	3.9	3.6	3.9	3.0	3.6	3.0	3.3	3.3	3.3	3.0	3.0
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-E01-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5
2.5°	299.7	299.7	299.7	299.1	298.2	296.4	294.6	293.1	291.6	290.7	290.1
5°	304.2	303.6	303.3	303.0	300.9	297.3	294.0	291.0	288.0	285.6	284.7
7.5°	312.3	311.1	310.8	309.9	307.2	301.8	297.0	292.2	288.0	284.7	283.2
10°	324.6	324.6	322.8	321.6	318.6	311.4	304.5	298.2	292.5	288.9	288.0
12.5°	340.2	340.2	338.7	337.8	334.2	324.9	316.5	309.0	303.6	300.0	299.7
15°	356.4	356.1	354.9	353.7	349.8	339.9	331.5	324.9	320.4	316.2	315.0
17.5°	370.8	370.8	369.3	368.1	364.2	355.8	348.3	343.5	338.4	329.7	323.1
20°	385.2	385.5	384.3	383.1	379.8	372.6	369.3	364.5	353.1	334.2	318.6
22.5°	401.1	402.3	400.8	399.6	396.9	393.9	392.7	381.3	357.3	327.0	304.2
25°	421.5	423.6	421.8	421.2	419.7	420.6	417.0	390.6	351.3	311.4	282.9
27.5°	449.4	449.4	449.7	449.7	449.1	452.4	439.2	390.9	338.1	291.3	257.4
30°	482.1	483.9	483.3	483.3	485.7	487.8	451.5	384.3	321.3	266.4	226.2
32.5°	521.4	522.9	523.5	520.8	530.4	519.6	456.0	372.3	300.6	235.5	189.0
35°	568.8	570.9	572.4	572.7	579.0	547.2	453.6	354.6	270.9	196.8	148.2
37.5°	630.6	634.8	638.1	639.6	639.9	570.6	447.0	331.2	232.2	153.6	110.4
40°	712.8	717.3	716.4	719.4	702.3	584.4	432.0	297.3	184.2	112.8	85.2
42.5°	792.0	792.6	793.8	791.1	756.3	591.6	411.0	255.9	138.0	84.3	72.9
45°	880.5	875.4	869.7	865.5	806.1	594.3	382.2	205.5	97.5	70.8	67.5
47.5°	963.7	956.8	945.1	933.1	850.5	590.1	345.3	153.9	74.1	64.8	63.9
50°	1045.3	1032.4	1015.9	1002.1	893.1	583.8	304.5	111.0	64.8	61.8	60.9
52.5°	1146.4	1124.8	1103.2	1085.2	948.7	573.9	261.6	84.3	60.9	59.4	58.2
55°	1285.0	1255.0	1220.2	1195.0	1024.0	558.9	216.6	71.4	59.1	57.9	56.1
57.5°	1477.0	1432.0	1392.7	1351.6	1126.9	543.6	177.9	66.3	58.8	57.0	54.6
60°	1673.2	1619.2	1569.1	1510.3	1231.9	528.3	150.9	65.7	59.7	57.0	53.4
62.5°	1775.2	1719.4	1659.1	1599.4	1277.2	492.3	132.3	66.6	61.8	57.9	53.4
65°	1751.8	1683.7	1622.5	1561.6	1224.7	424.2	111.9	67.8	66.0	61.5	54.3
67°	1634.2	1563.1	1504.3	1446.1	1107.7	355.2	96.0	69.0	70.5	65.7	56.1
67.5°	1592.8	1521.7	1463.8	1407.1	1073.2	340.8	92.1	69.6	71.4	66.9	56.7
70°	1320.7	1268.5	1207.0	1163.2	868.8	252.3	75.6	70.8	76.8	73.8	59.4
72.5°	950.5	900.6	854.4	830.1	639.9	176.4	63.6	69.6	80.1	77.7	60.6
75°	505.2	502.2	485.4	497.4	396.0	115.2	56.1	65.1	76.5	71.1	56.4
77.5°	102.0	105.0	123.3	121.5	127.8	64.2	48.0	55.8	59.1	52.2	45.9
80°	47.4	46.5	45.6	46.2	45.3	41.1	39.0	43.8	41.1	33.6	30.6
82.5°	29.4	28.8	27.9	27.6	30.6	32.7	34.2	34.5	27.3	23.4	22.5
85°	14.1	14.1	13.8	14.4	18.0	26.7	28.8	25.5	18.3	16.8	15.9
87.5°	2.7	2.7	3.0	2.7	3.6	6.3	7.2	8.4	6.9	7.2	8.1
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):

	165°	175°	180°
0°	298.5	298.5	298.5
2.5°	289.5	288.9	288.9
5°	283.5	283.2	283.2
7.5°	282.0	282.3	282.0
10°	287.7	287.4	288.6
12.5°	300.3	301.2	300.9
15°	313.5	314.1	314.1
17.5°	317.4	315.3	315.0
20°	307.2	303.3	302.4
22.5°	288.0	280.8	281.1
25°	263.7	255.0	255.6
27.5°	235.5	226.2	225.9
30°	201.6	191.4	186.3
32.5°	160.8	148.5	148.5
35°	120.9	111.0	107.4
37.5°	91.8	86.1	84.3
40°	76.5	73.8	73.2
42.5°	69.6	68.7	68.4
45°	66.0	65.4	65.1
47.5°	62.7	62.4	62.1
50°	60.3	60.0	59.7
52.5°	58.2	57.6	57.3
55°	55.2	55.2	55.2
57.5°	53.4	53.4	53.1
60°	51.6	51.3	51.3
62.5°	50.1	49.5	49.8
65°	49.2	48.3	48.3
67°	48.6	46.8	46.8
67.5°	48.6	46.2	46.2
70°	47.7	43.8	43.2
72.5°	46.8	41.1	40.2
75°	44.4	39.0	38.1
77.5°	38.1	34.8	34.2
80°	29.4	25.5	26.1
82.5°	21.3	18.3	18.0
85°	15.3	13.2	13.2
87.5°	8.1	6.9	7.2
90°	0.0	0.0	0.0

(END OF REPORT)