

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: P181412

Luminaire Tested: **ICS-F04-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181412  
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-F04-LED-E1-T3-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (28) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4089.5 lumens  
Efficiency: N/A  
Efficacy: 40.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

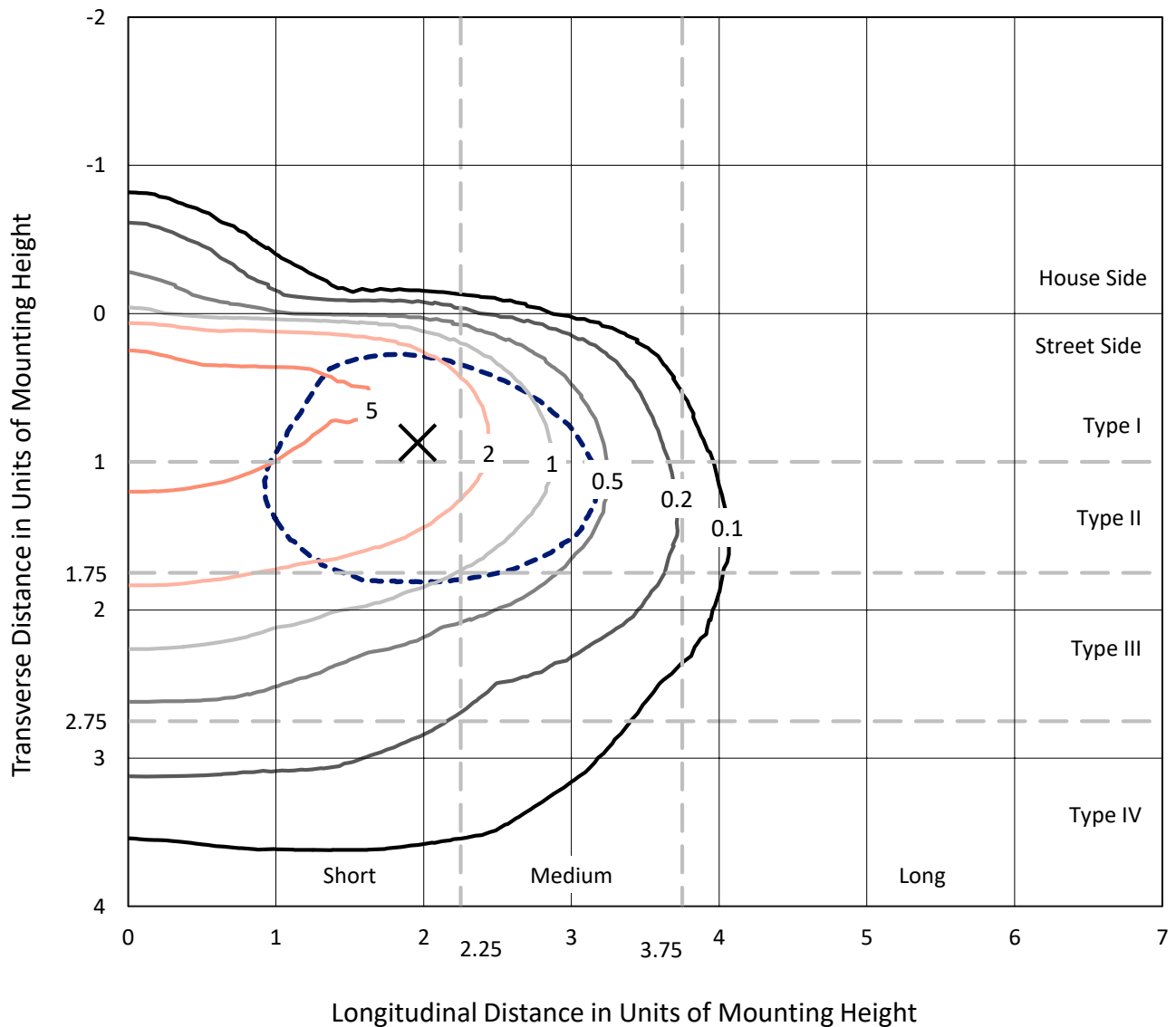
Input Watts (W): 102.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

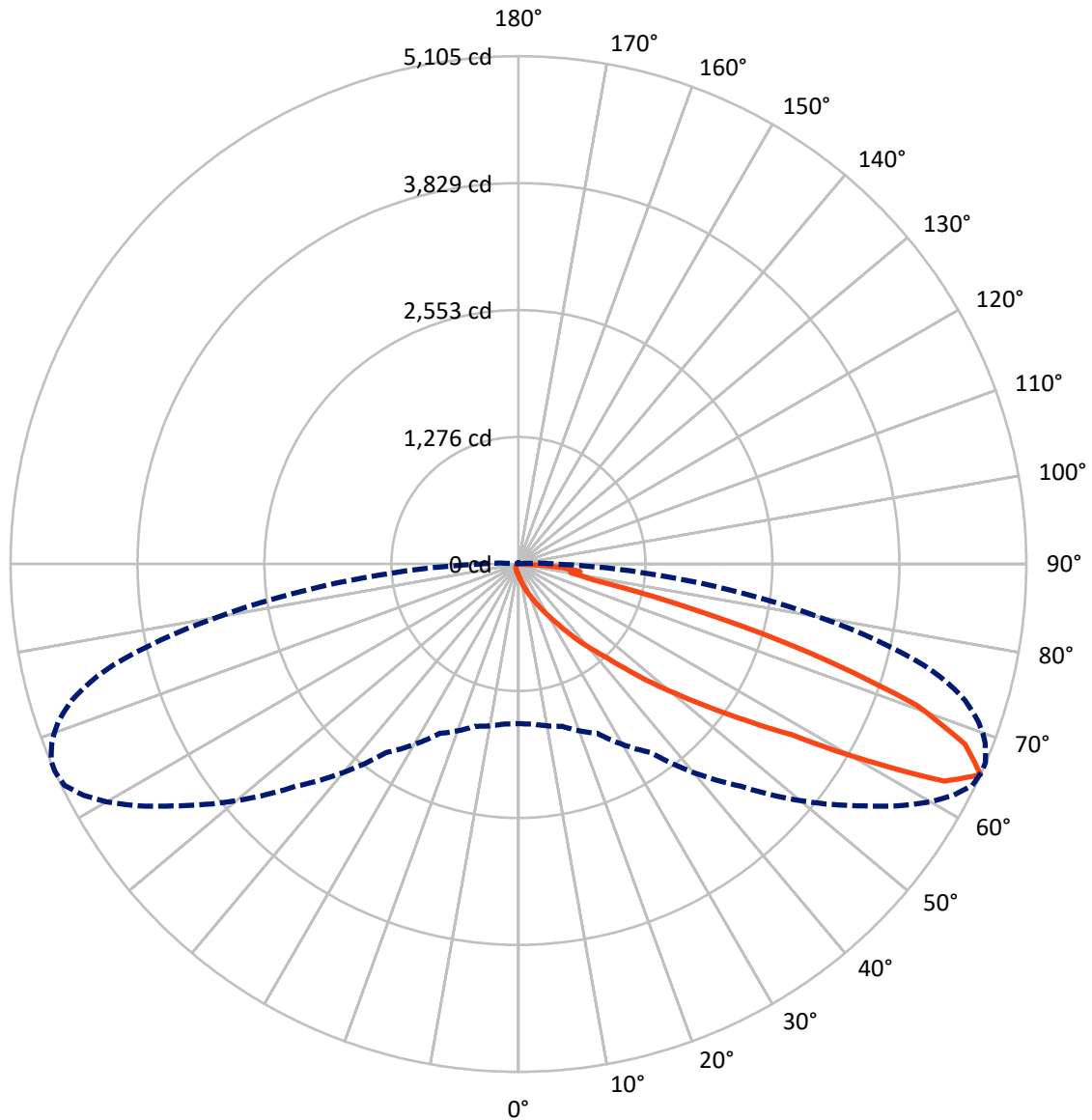
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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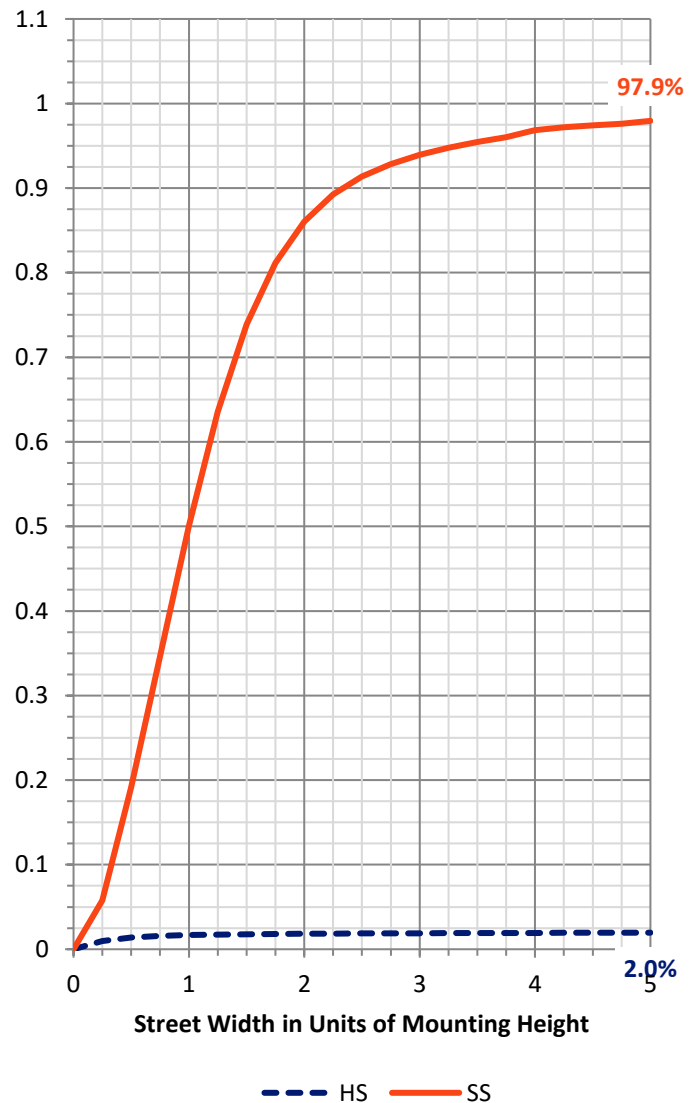
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	82.1	0.0	82.1
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	4007.3	0.0	4007.3
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	4089.5	0.0	4089.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	0.3
10°-20°	66.5	1.6
20°-30°	151.9	3.7
30°-40°	289.0	7.1
40°-50°	580.0	14.2
50°-60°	1026.3	25.1
60°-70°	1341.0	32.8
70°-80°	551.4	13.5
80°-90°	69.5	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°	4089.5	100.0
0°-180°	4089.5	100.0



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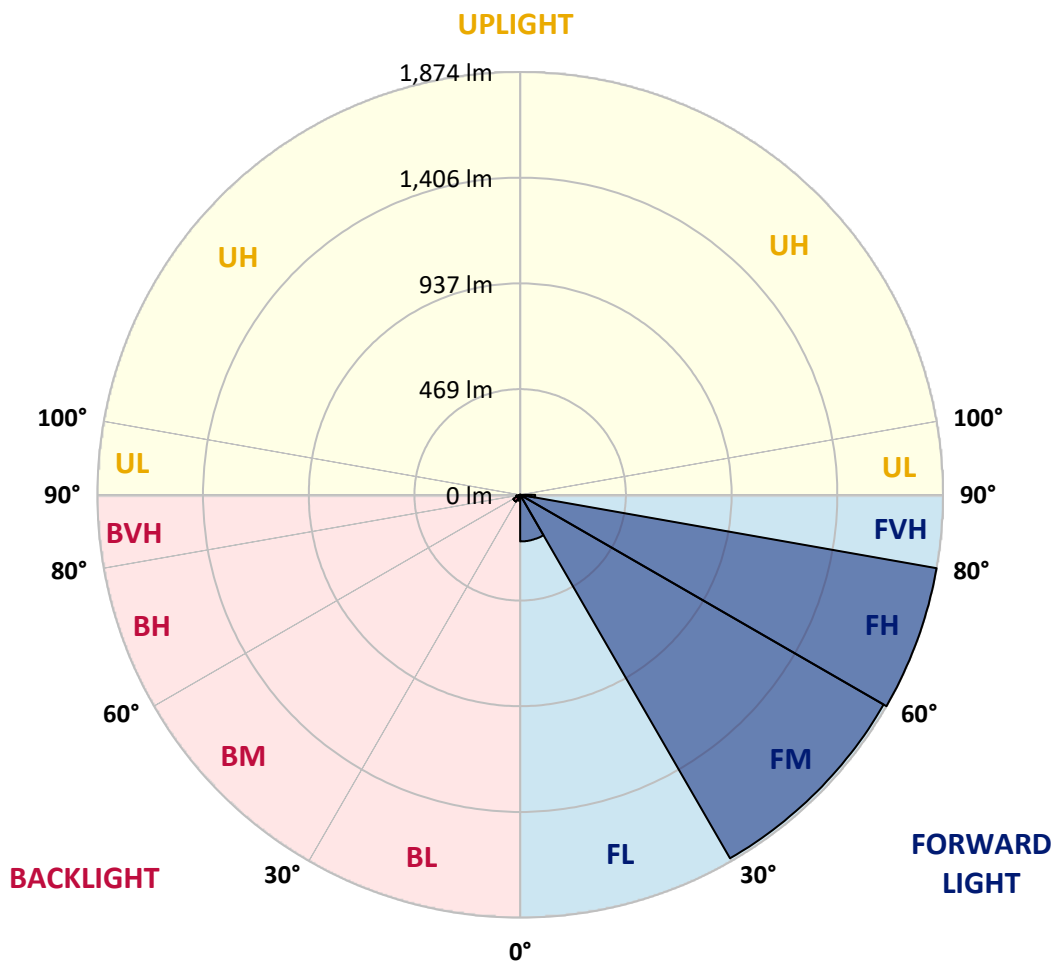
CATALOG NUMBER: ICS-F04-LED-E1-T3-HSS-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.6	5.1			
FM	(30°-60°)	1860.2	45.5			
FH	(60°-80°)	1874.2	45.8			G2/5000
FVH	(80°-90°)	66.4	1.6			G1/100
BL	(0°-30°)	25.7	0.6	B0/110		
BM	(30°-60°)	35.2	0.9	B0/220		
BH	(60°-80°)	18.2	0.4	B0/110		G0/110
BVH	(80°-90°)	3.1	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	150.5	148.0	148.8	143.8	140.5	136.3	132.9	132.1	131.3	129.6	130.4
5°	216.6	214.0	208.2	198.2	189.0	174.8	160.5	159.7	157.2	154.7	153.0
7.5°	301.0	296.8	290.1	273.4	250.8	225.8	197.3	194.8	191.5	188.1	184.8
10°	398.8	396.3	383.8	364.6	330.3	289.3	241.6	239.1	231.6	227.4	224.1
12.5°	501.7	490.8	485.8	452.3	413.0	357.0	296.0	286.8	280.9	275.1	266.7
15°	579.4	581.1	569.4	542.6	496.7	431.4	355.4	345.3	337.0	326.1	316.1
17.5°	649.7	646.3	633.8	617.1	573.6	507.5	418.9	405.5	392.1	386.3	372.1
20°	706.5	704.9	694.8	678.9	645.5	581.9	485.8	474.9	459.9	449.8	434.0
22.5°	751.7	751.7	745.8	736.6	704.0	653.0	556.9	545.2	530.1	517.6	500.0
25°	787.6	786.8	787.6	783.5	761.7	714.9	629.6	616.2	603.7	588.6	571.9
27.5°	828.6	830.3	828.6	826.1	816.9	779.3	703.2	694.0	679.8	663.9	647.2
30°	892.1	887.1	886.3	884.6	873.8	850.3	779.3	768.4	757.5	746.7	735.0
32.5°	959.0	950.7	948.2	948.2	940.6	919.7	867.1	861.2	845.3	837.0	826.9
35°	1035.1	1031.8	1028.4	1029.3	1025.9	1004.2	960.7	962.4	957.4	940.6	930.6
37.5°	1146.3	1147.2	1141.3	1130.4	1130.4	1111.2	1086.1	1082.8	1070.2	1066.1	1060.2
40°	1305.2	1301.0	1296.0	1280.1	1274.3	1241.7	1218.2	1209.9	1199.8	1199.0	1192.3
42.5°	1489.1	1484.1	1484.1	1472.4	1460.7	1421.4	1377.1	1371.3	1360.4	1363.7	1361.2
45°	1659.7	1663.9	1669.7	1678.1	1679.8	1663.1	1598.7	1591.2	1585.3	1582.0	1579.4
47.5°	1806.9	1814.4	1833.6	1869.6	1915.6	1921.4	1870.4	1850.4	1846.2	1840.3	1835.3
50°	1912.2	1923.1	1966.6	2036.8	2126.3	2181.5	2153.9	2137.1	2136.3	2120.4	2118.7
52.5°	1972.4	1984.1	2055.2	2161.4	2300.2	2408.0	2442.3	2441.5	2439.8	2425.6	2419.8
55°	1985.8	1998.3	2083.6	2228.3	2426.4	2612.9	2744.2	2747.5	2755.0	2750.9	2750.9
57.5°	1949.0	1964.9	2057.7	2236.6	2492.5	2775.1	3061.9	3081.1	3090.3	3122.9	3160.6
60°	1881.3	1893.0	1985.8	2185.6	2504.2	2923.1	3474.9	3536.0	3583.6	3648.0	3709.1
62.5°	1755.9	1779.3	1867.9	2085.3	2469.1	3093.7	3968.3	4081.1	4174.0	4271.8	4389.7
65°	1603.7	1613.7	1689.0	1878.8	2311.9	3158.9	4240.8	4351.2	4469.9	4574.5	4679.8
67.5°	1413.1	1421.4	1486.6	1567.7	1908.0	2853.7	3972.4	4094.5	4201.5	4287.7	4425.6
70°	925.6	944.0	1103.7	1184.0	1333.6	2109.6	3248.4	3366.3	3448.2	3506.7	3666.4
72.5°	678.1	689.8	754.2	919.7	956.5	1246.7	2286.0	2413.9	2444.0	2554.4	2628.8
75°	413.9	443.1	588.6	787.6	932.3	853.7	1369.6	1431.5	1500.9	1581.1	1652.2
77.5°	83.6	95.3	192.3	542.6	820.2	912.2	817.7	829.4	863.7	871.2	898.0
80°	13.4	14.2	25.1	234.1	474.9	737.5	817.7	806.9	787.6	774.3	760.9
82.5°	5.9	6.7	10.9	59.4	101.2	245.8	707.4	762.5	826.1	861.2	870.4
85°	2.5	2.5	4.2	11.7	15.1	16.7	119.6	158.0	281.8	374.6	431.4
87.5°	1.7	1.7	2.5	2.5	3.3	4.2	5.9	5.9	6.7	7.5	10.9
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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	130.4	129.6	129.6	127.1	127.1	126.3	126.3	125.4	125.4	123.7	124.6
5°	152.2	150.5	148.8	146.3	145.5	143.8	142.1	139.6	138.8	137.1	136.3
7.5°	181.4	179.8	176.4	171.4	168.1	164.7	161.4	158.0	155.5	153.0	151.3
10°	217.4	212.4	210.7	200.7	196.5	189.8	185.6	182.3	177.3	173.1	170.6
12.5°	260.9	256.7	248.3	235.0	228.3	222.4	214.9	208.2	203.2	195.7	190.6
15°	306.0	302.7	291.0	275.9	267.6	256.7	249.2	242.5	231.6	226.6	217.4
17.5°	362.9	352.8	341.1	319.4	308.5	299.3	286.0	275.9	269.2	254.2	245.8
20°	421.4	410.5	395.5	371.2	356.2	342.0	331.1	317.7	303.5	293.5	279.3
22.5°	488.3	470.7	459.0	428.9	411.4	396.3	377.9	363.7	349.5	333.6	317.7
25°	559.4	541.8	527.6	493.3	474.9	459.9	438.1	418.1	400.5	382.9	364.6
27.5°	633.8	617.9	602.0	566.9	551.0	530.1	510.0	486.6	464.1	448.2	423.1
30°	719.9	706.5	689.0	651.3	633.8	612.0	591.1	563.6	541.8	520.1	495.8
32.5°	812.7	801.8	783.5	750.0	729.1	710.7	688.1	661.4	630.4	607.9	579.4
35°	925.6	907.2	896.3	864.6	848.7	828.6	805.2	781.8	749.2	717.4	693.2
37.5°	1054.4	1046.0	1031.8	1001.7	990.0	969.1	954.0	930.6	905.5	865.4	839.5
40°	1186.5	1180.6	1168.1	1138.0	1126.3	1112.1	1094.5	1071.9	1041.8	1020.9	982.5
42.5°	1354.5	1345.3	1335.3	1306.9	1284.3	1266.7	1259.2	1240.0	1208.2	1181.4	1151.3
45°	1567.7	1563.6	1550.2	1521.8	1499.2	1487.5	1475.8	1443.2	1422.3	1395.5	1374.6
47.5°	1825.3	1811.9	1805.2	1773.4	1765.9	1756.7	1726.6	1708.2	1678.1	1657.2	1631.3
50°	2103.7	2089.5	2090.3	2051.9	2053.5	2046.8	2024.3	2002.5	1976.6	1958.2	1942.3
52.5°	2403.0	2409.7	2393.0	2404.7	2391.3	2376.3	2372.1	2345.3	2322.8	2321.9	2300.2
55°	2770.9	2760.1	2764.2	2775.9	2757.6	2774.3	2765.9	2731.6	2732.5	2739.2	2714.1
57.5°	3166.4	3182.3	3216.6	3224.1	3255.9	3234.1	3291.0	3250.0	3275.1	3275.1	3258.4
60°	3746.7	3810.2	3893.0	3957.4	4016.8	3997.5	4071.9	4025.1	4058.6	4030.1	4015.9
62.5°	4445.7	4530.1	4628.0	4732.5	4792.7	4807.7	4796.9	4817.8	4785.2	4764.3	4709.9
65°	4781.8	4865.4	4950.7	5076.1	5092.9	5105.4	5100.4	5065.3	5025.1	4965.8	4894.7
67.5°	4502.6	4619.6	4667.3	4811.9	4860.4	4842.9	4848.7	4803.6	4740.8	4682.3	4577.8
70°	3733.3	3867.1	3892.2	4099.5	4157.2	4240.8	4210.7	4197.4	4128.8	4079.5	3964.1
72.5°	2718.3	2822.8	2814.4	3047.7	3037.7	3071.9	3153.0	3149.7	3077.8	3061.9	2964.9
75°	1673.1	1735.8	1732.5	1898.0	1828.6	1818.6	1841.2	1831.1	1763.4	1693.2	1633.0
77.5°	886.3	914.7	884.6	835.3	830.3	774.3	758.4	757.5	705.7	642.1	595.3
80°	746.7	717.4	682.3	610.4	568.6	530.9	495.8	463.2	428.1	381.3	324.4
82.5°	872.1	857.9	832.8	742.5	699.0	623.8	567.7	515.1	450.7	402.2	329.4
85°	424.8	423.9	444.0	434.8	418.9	415.6	360.4	348.7	322.7	296.0	247.5
87.5°	11.7	8.4	10.0	8.4	10.0	10.9	7.5	17.6	10.9	10.0	11.7
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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	123.7	122.9	122.1	122.1	121.2	121.2	120.4	119.6	119.6	118.7	118.7
5°	134.6	132.9	132.1	131.3	129.6	128.8	127.1	126.3	124.6	123.7	122.1
7.5°	148.0	146.3	143.0	141.3	138.8	138.0	133.8	132.1	130.4	128.8	126.3
10°	164.7	160.5	157.2	153.8	149.7	146.3	143.0	140.5	137.1	132.9	131.3
12.5°	185.6	179.8	174.8	168.9	163.9	158.9	153.0	148.8	143.8	139.6	135.5
15°	209.0	200.7	194.0	185.6	177.3	171.4	165.6	159.7	153.0	147.2	142.1
17.5°	235.8	224.9	215.7	205.7	196.5	188.1	178.1	170.6	163.0	154.7	148.0
20°	264.2	253.3	240.8	229.9	216.6	207.4	194.8	184.8	173.9	165.6	156.4
22.5°	301.8	287.6	271.7	256.7	242.5	228.3	214.9	202.3	189.0	176.4	167.2
25°	346.2	328.6	308.5	293.5	273.4	257.5	240.8	224.9	210.7	194.8	179.8
27.5°	401.3	377.9	356.2	335.3	313.5	293.5	271.7	253.3	234.1	215.7	199.0
30°	465.7	443.1	410.5	387.1	365.4	337.8	316.1	291.8	270.1	243.3	224.9
32.5°	551.0	521.7	487.5	456.5	428.1	397.2	367.1	336.1	307.7	283.4	255.9
35°	662.2	627.9	587.0	547.7	515.9	478.3	439.8	404.7	372.1	337.0	302.7
37.5°	802.7	770.9	726.6	678.9	636.3	591.1	551.0	501.7	458.2	415.6	372.1
40°	942.3	913.1	867.1	816.1	760.9	709.0	658.0	602.0	546.8	493.3	448.2
42.5°	1114.6	1071.1	1021.7	964.1	910.5	848.7	785.1	720.7	654.7	590.3	525.9
45°	1331.1	1297.7	1228.3	1166.4	1102.9	1030.1	951.5	877.9	793.5	717.4	632.1
47.5°	1594.5	1534.3	1483.3	1426.4	1347.0	1276.8	1176.4	1089.5	984.1	883.0	780.9
50°	1905.5	1872.1	1804.4	1733.3	1647.2	1563.6	1465.7	1340.3	1214.1	1106.2	966.6
52.5°	2269.3	2221.6	2178.9	2105.4	2017.6	1910.6	1799.3	1663.1	1508.4	1356.2	1207.4
55°	2700.7	2667.2	2626.3	2567.7	2455.7	2334.5	2200.7	2037.6	1854.5	1649.7	1476.6
57.5°	3257.6	3222.4	3183.1	3062.7	2986.6	2837.8	2643.8	2474.9	2277.6	2015.1	1800.2
60°	4017.6	3969.9	3914.8	3816.9	3658.1	3464.9	3256.7	3006.7	2765.1	2478.3	2196.5
62.5°	4667.3	4591.2	4473.3	4347.0	4156.4	3934.8	3673.1	3378.8	3103.7	2781.0	2467.4
65°	4801.0	4696.5	4557.7	4393.0	4196.5	3946.5	3673.1	3391.3	3067.8	2764.2	2449.0
67.5°	4453.2	4332.0	4189.8	4005.9	3818.6	3561.1	3325.3	3038.5	2734.1	2471.6	2189.8
70°	3881.3	3701.5	3556.1	3360.4	3170.6	2968.3	2719.9	2505.0	2257.5	2015.9	1800.2
72.5°	2914.7	2737.5	2605.4	2449.0	2336.1	2122.1	1939.8	1779.3	1633.0	1452.4	1292.7
75°	1571.1	1438.1	1349.5	1278.4	1177.3	1036.0	949.0	838.6	776.8	701.5	628.8
77.5°	512.5	451.5	385.5	321.1	275.9	207.4	200.7	159.7	150.5	146.3	112.9
80°	262.5	202.3	146.3	105.4	80.3	71.1	67.7	64.4	61.0	58.5	54.3
82.5°	263.4	190.6	131.3	91.1	66.1	55.2	51.8	50.2	47.7	45.2	41.8
85°	192.3	142.1	97.8	66.9	46.0	36.8	35.1	32.6	30.9	30.1	26.8
87.5°	12.5	9.2	8.4	7.5	7.5	7.5	8.4	7.5	8.4	8.4	7.5
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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CATALOG NUMBER: ICS-F04-LED-E1-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	117.9	117.1	117.1	116.2	115.4	115.4	114.5	114.5	112.0	107.9	104.5
5°	121.2	119.6	118.7	117.9	117.1	115.4	114.5	113.7	109.5	101.2	94.5
7.5°	123.7	122.1	121.2	119.6	117.1	116.2	114.5	112.9	106.2	94.5	87.0
10°	127.9	125.4	122.9	120.4	117.9	116.2	113.7	112.0	102.0	88.6	81.1
12.5°	132.1	128.8	125.4	121.2	118.7	116.2	113.7	110.4	98.7	83.6	75.3
15°	137.1	132.1	127.9	123.7	119.6	116.2	112.0	109.5	95.3	79.4	71.9
17.5°	142.1	136.3	130.4	124.6	120.4	115.4	112.0	107.9	92.0	76.1	67.7
20°	148.0	139.6	133.8	127.1	121.2	115.4	110.4	106.2	88.6	71.9	63.5
22.5°	156.4	146.3	137.1	129.6	122.1	116.2	110.4	104.5	85.3	68.6	60.2
25°	167.2	154.7	143.8	134.6	125.4	117.9	111.2	105.4	82.8	66.1	56.0
27.5°	183.1	167.2	155.5	143.0	131.3	122.1	113.7	107.0	81.1	63.5	53.5
30°	202.3	186.5	168.1	153.0	140.5	127.9	118.7	108.7	79.4	61.0	50.2
32.5°	230.8	208.2	186.5	168.1	150.5	136.3	122.9	112.9	78.6	56.9	46.8
35°	271.7	240.8	214.9	190.6	166.4	148.8	132.9	119.6	77.8	53.5	43.5
37.5°	330.3	293.5	260.0	225.8	195.7	170.6	148.8	131.3	77.8	51.0	40.1
40°	393.0	345.3	302.7	260.0	221.6	189.8	160.5	138.8	76.1	47.7	36.8
42.5°	464.1	405.5	347.0	294.3	246.7	205.7	171.4	144.7	71.9	44.3	33.4
45°	559.4	482.4	412.2	344.5	282.6	229.1	185.6	151.3	67.7	41.8	30.1
47.5°	678.9	589.5	498.3	413.0	331.9	264.2	206.5	162.2	65.2	38.5	27.6
50°	857.0	729.9	609.5	500.8	398.0	309.4	237.5	178.1	62.7	36.0	25.1
52.5°	1052.7	896.3	755.0	615.4	487.5	370.4	273.4	199.0	60.2	33.4	22.6
55°	1291.0	1098.7	926.4	745.0	581.1	441.5	317.7	222.4	56.9	30.9	20.9
57.5°	1585.3	1342.0	1138.0	916.4	710.7	533.4	377.1	261.7	53.5	27.6	18.4
60°	1913.9	1638.8	1382.1	1122.1	872.9	655.5	464.9	317.7	50.2	24.2	15.9
62.5°	2150.5	1848.7	1555.2	1263.4	990.0	746.7	536.0	361.2	45.2	20.9	14.2
65°	2148.0	1842.0	1546.8	1259.2	993.3	750.0	538.5	369.6	40.1	18.4	12.5
67.5°	1913.9	1656.4	1393.0	1134.6	902.2	682.3	498.3	342.8	34.3	16.7	10.9
70°	1574.4	1369.6	1161.4	956.5	770.1	584.5	430.6	298.5	29.3	15.1	9.2
72.5°	1149.7	1000.0	872.9	728.3	601.2	461.5	343.6	234.1	23.4	12.5	8.4
75°	571.1	510.9	438.1	393.0	335.3	274.3	213.2	136.3	19.2	10.0	7.5
77.5°	108.7	97.0	92.8	80.3	73.6	65.2	57.7	41.0	15.1	7.5	6.7
80°	50.2	46.0	41.8	37.6	33.4	28.4	25.1	21.7	11.7	5.9	7.5
82.5°	39.3	36.0	31.8	28.4	25.1	21.7	18.4	15.9	7.5	5.0	7.5
85°	25.9	22.6	20.1	17.6	15.1	13.4	11.7	10.0	5.0	5.0	5.0
87.5°	7.5	7.5	6.7	6.7	5.9	5.9	5.0	5.0	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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**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	101.2	97.0	95.3	94.5	94.5	95.3	94.5
5°	89.5	85.3	83.6	81.9	81.9	81.9	82.8
7.5°	81.9	77.8	75.3	74.4	73.6	74.4	74.4
10°	75.3	71.9	68.6	66.9	66.9	66.9	66.9
12.5°	70.2	66.1	62.7	61.9	61.0	61.0	61.0
15°	66.1	61.0	58.5	56.9	56.0	56.0	56.9
17.5°	61.0	56.9	53.5	52.7	52.7	52.7	52.7
20°	57.7	52.7	50.2	48.5	48.5	48.5	48.5
22.5°	53.5	49.3	46.0	44.3	44.3	44.3	44.3
25°	50.2	46.0	42.6	41.0	41.0	41.0	41.0
27.5°	46.8	42.6	39.3	37.6	37.6	37.6	37.6
30°	43.5	39.3	36.0	34.3	34.3	34.3	34.3
32.5°	41.0	36.0	32.6	30.9	30.9	31.8	30.9
35°	36.8	32.6	29.3	27.6	27.6	27.6	27.6
37.5°	33.4	29.3	25.9	24.2	24.2	24.2	23.4
40°	30.9	25.9	22.6	20.9	20.1	20.1	20.1
42.5°	26.8	21.7	19.2	17.6	16.7	16.7	16.7
45°	24.2	19.2	15.9	14.2	14.2	14.2	14.2
47.5°	21.7	16.7	13.4	11.7	11.7	12.5	12.5
50°	19.2	14.2	10.9	10.9	10.9	11.7	11.7
52.5°	16.7	12.5	10.0	10.0	10.9	11.7	11.7
55°	15.1	10.9	9.2	10.0	10.9	11.7	11.7
57.5°	13.4	9.2	9.2	10.0	10.9	11.7	11.7
60°	11.7	8.4	8.4	9.2	10.9	11.7	11.7
62.5°	10.0	8.4	8.4	9.2	10.9	11.7	11.7
65°	9.2	8.4	8.4	9.2	10.9	11.7	11.7
67.5°	8.4	7.5	8.4	9.2	10.0	10.9	10.9
70°	7.5	7.5	8.4	9.2	10.0	10.9	10.9
72.5°	7.5	7.5	7.5	8.4	9.2	10.0	10.0
75°	7.5	7.5	7.5	8.4	9.2	10.0	10.0
77.5°	7.5	6.7	6.7	7.5	9.2	10.0	10.0
80°	7.5	6.7	6.7	7.5	8.4	10.0	10.0
82.5°	5.9	5.9	6.7	7.5	8.4	9.2	9.2
85°	5.0	5.9	5.9	6.7	7.5	9.2	9.2
87.5°	4.2	4.2	5.0	5.9	6.7	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)