

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: P672029

Luminaire Tested: **CCP-SA-2C-835-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672029
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7518.4 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

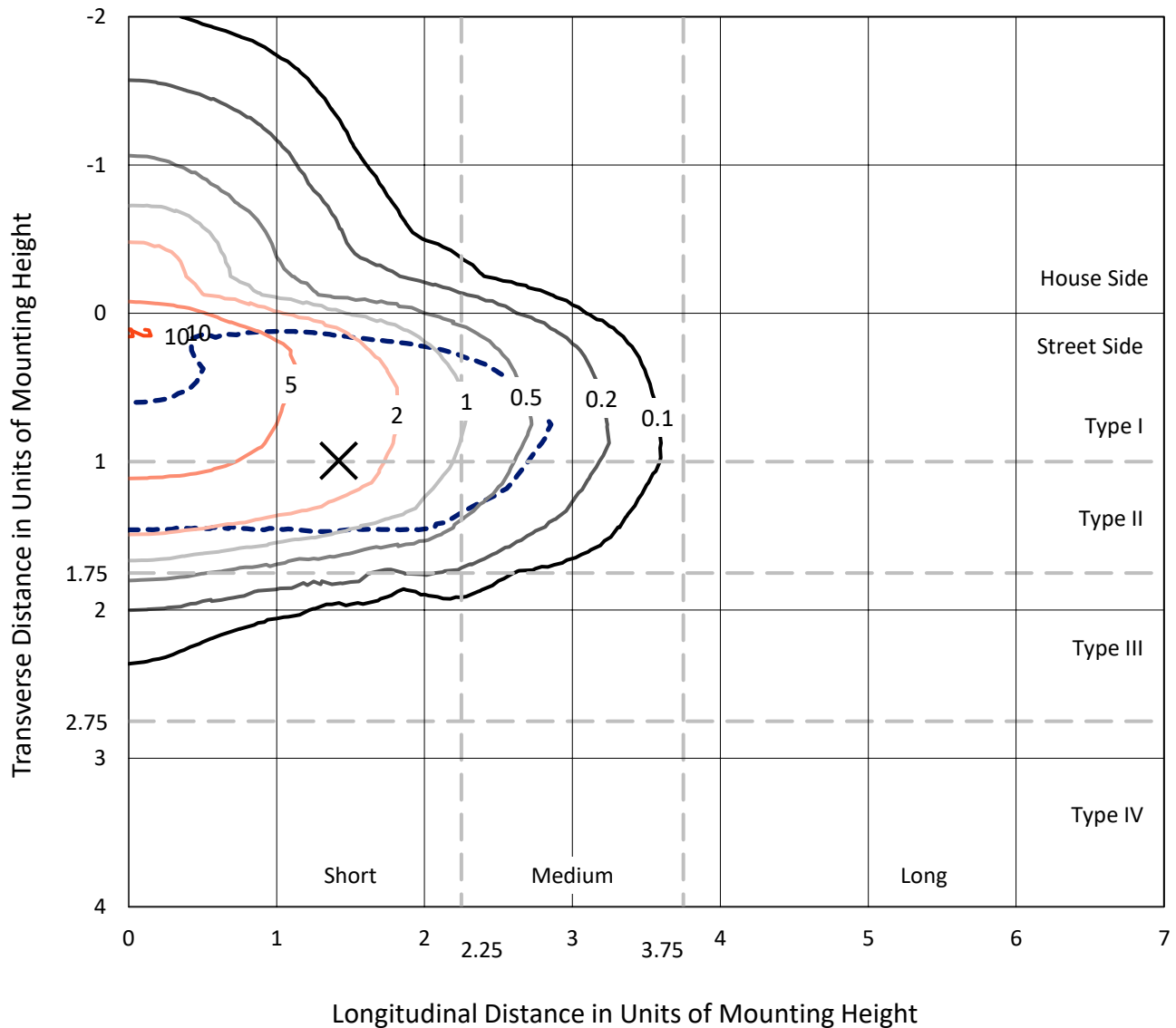
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

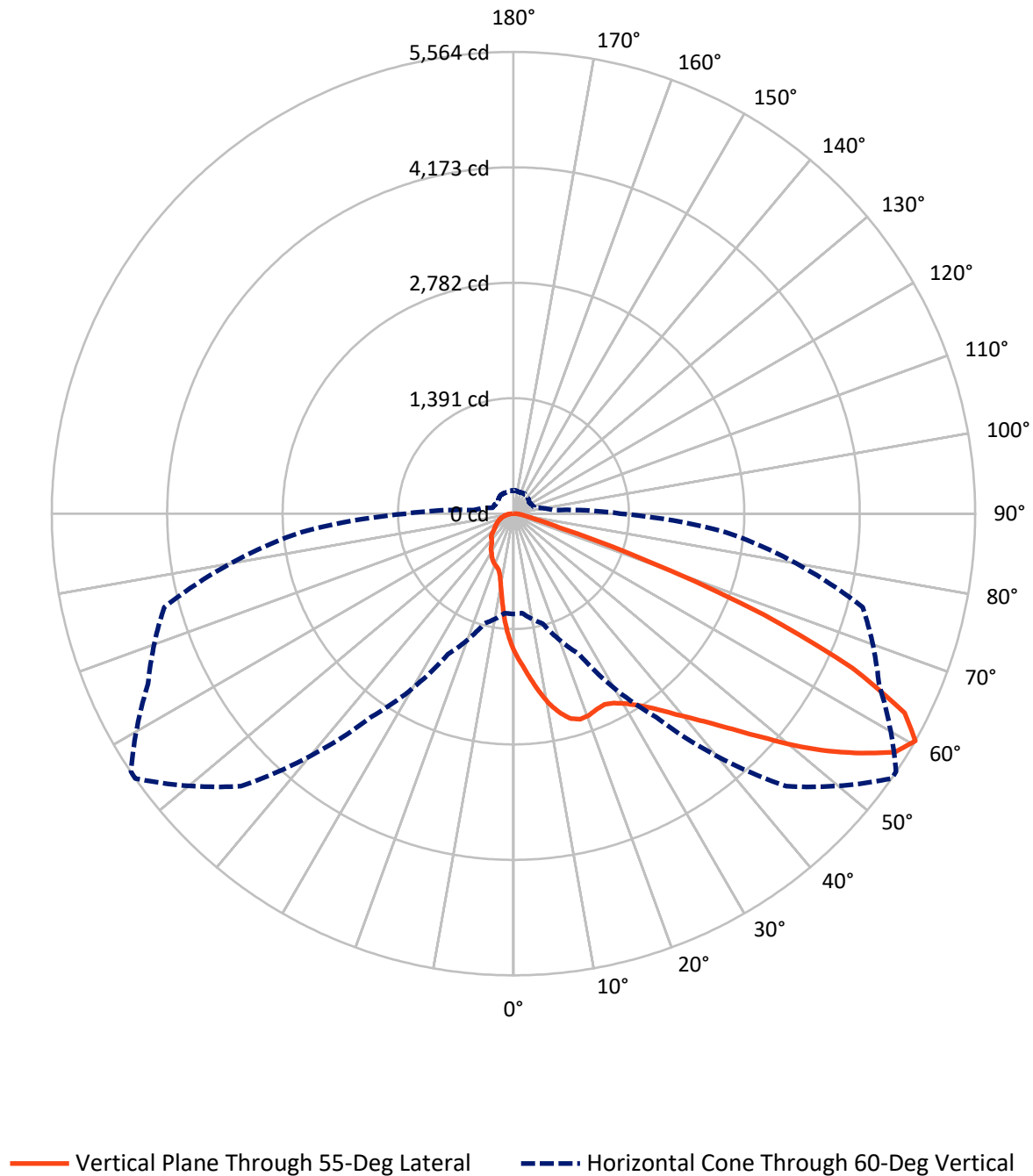


Based on 15 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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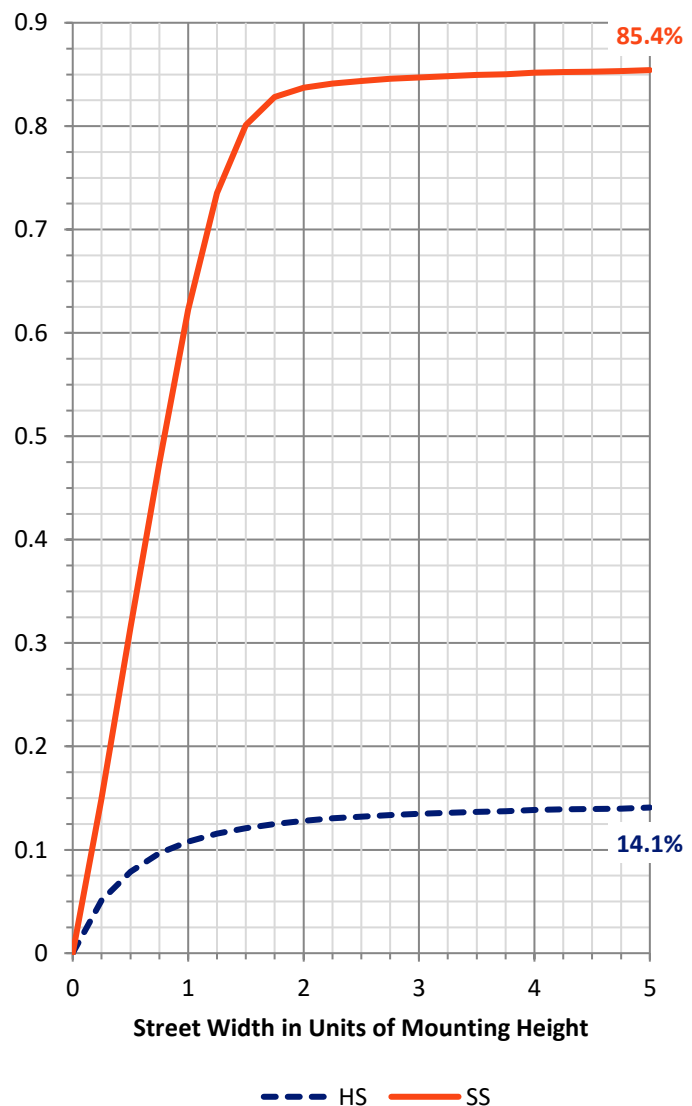
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1080.8	0.0	1080.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6437.6	0.0	6437.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	7518.4	0.0	7518.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	2.1
10°-20°	442.1	5.9
20°-30°	719.8	9.6
30°-40°	1075.8	14.3
40°-50°	1581.2	21.0
50°-60°	1853.3	24.6
60°-70°	1221.9	16.3
70°-80°	389.1	5.2
80°-90°	79.1	1.1
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°	7518.4	100.0
0°-180°	7518.4	100.0

Coefficient of Utilization



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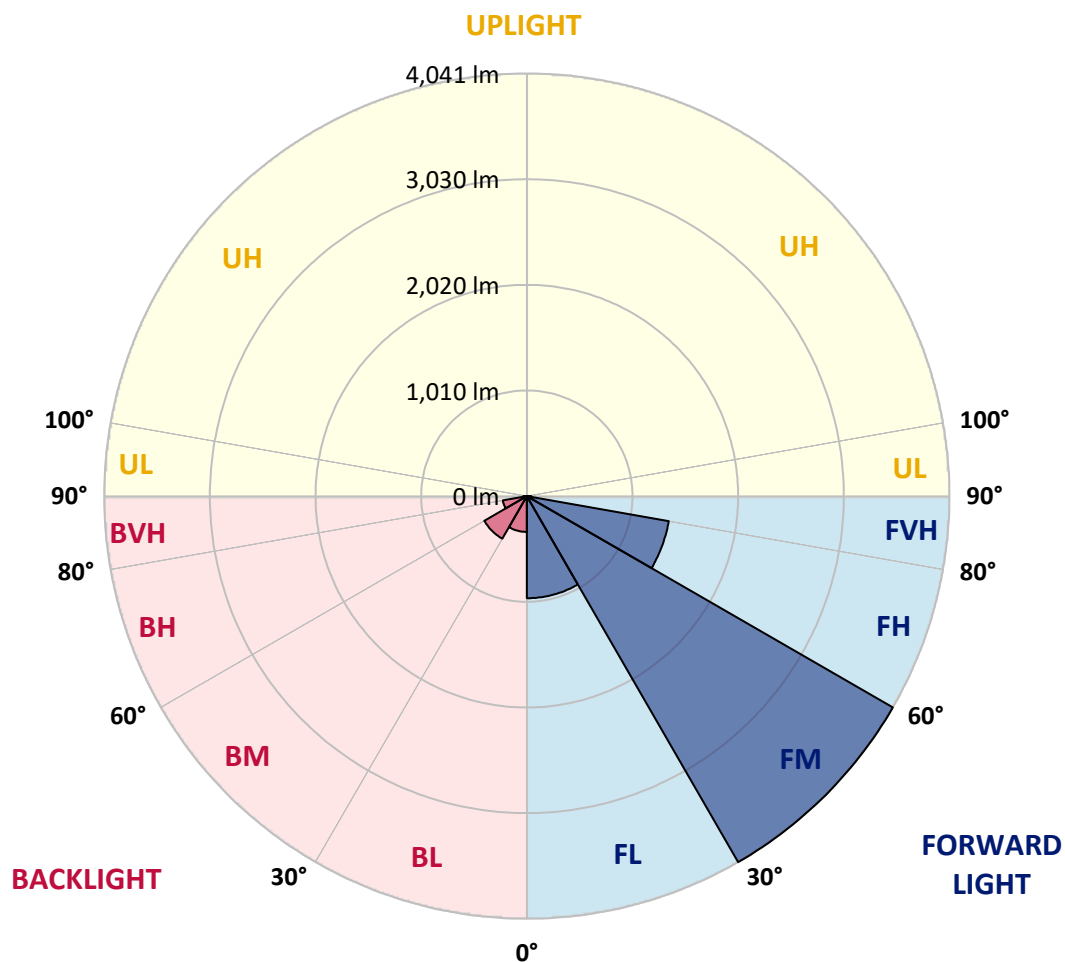
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	975.8	13.0			
FM	(30°-60°)	4040.6	53.7			
FH	(60°-80°)	1377.8	18.3			G1/1800
FVH	(80°-90°)	43.4	0.6			G1/100
BL	(0°-30°)	342.1	4.6	B1/500		
BM	(30°-60°)	469.7	6.2	B1/1000		
BH	(60°-80°)	233.2	3.1	B1/500		G1/500
BVH	(80°-90°)	35.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4
2.5°	1940.4	1933.3	1933.3	1915.3	1888.6	1851.6	1807.5	1796.6	1779.7	1736.6	1681.0
5°	2236.3	2228.7	2218.3	2186.7	2137.1	2063.0	1969.8	1952.9	1892.5	1803.6	1703.4
7.5°	2431.9	2427.6	2424.3	2397.0	2348.0	2275.0	2150.2	2131.1	2028.7	1881.6	1724.6
10°	2411.8	2424.8	2447.7	2466.8	2476.6	2439.0	2321.8	2299.5	2172.5	1972.0	1756.2
12.5°	2222.7	2241.2	2283.7	2361.6	2451.5	2524.0	2457.5	2445.0	2326.2	2067.9	1796.0
15°	2082.1	2089.7	2110.4	2168.2	2302.2	2495.7	2562.7	2551.2	2469.5	2191.1	1841.8
17.5°	2038.5	2041.8	2046.7	2065.7	2157.3	2385.1	2605.7	2616.6	2608.5	2319.1	1893.5
20°	2060.3	2062.5	2063.0	2066.3	2109.9	2292.4	2594.3	2612.8	2730.5	2447.2	1944.8
22.5°	2144.2	2141.5	2137.7	2125.1	2149.7	2276.1	2563.8	2593.2	2824.8	2563.8	1992.2
25°	2290.8	2287.0	2260.3	2234.1	2244.5	2334.9	2547.4	2579.0	2898.4	2673.9	2027.0
27.5°	2465.2	2461.3	2434.1	2384.5	2373.6	2433.0	2585.6	2605.2	2952.3	2771.4	2042.3
30°	2646.1	2646.1	2612.3	2555.1	2520.2	2545.3	2655.9	2671.7	2993.2	2865.7	2052.1
32.5°	2843.3	2848.8	2796.5	2731.1	2692.4	2677.7	2754.5	2768.1	3052.6	2976.8	2072.8
35°	3096.7	3084.7	3021.0	2934.9	2872.7	2839.5	2876.6	2892.4	3139.7	3115.2	2106.1
37.5°	3381.7	3360.4	3282.0	3179.0	3070.5	3015.0	3039.5	3043.3	3268.9	3295.6	2166.5
40°	3617.1	3613.3	3546.8	3449.3	3312.5	3237.8	3225.8	3228.0	3448.2	3509.2	2258.1
42.5°	3815.4	3801.3	3789.3	3754.9	3610.0	3487.4	3438.4	3438.9	3642.7	3729.9	2350.2
45°	3903.2	3900.4	3935.9	4024.1	3920.1	3775.7	3705.9	3715.7	3865.6	3956.6	2439.0
47.5°	3865.6	3867.7	3962.6	4194.1	4255.7	4145.1	4021.4	4015.4	4081.3	4130.4	2517.5
50°	3529.9	3565.3	3822.0	4209.9	4475.9	4530.9	4391.4	4369.1	4270.4	4268.8	2565.4
52.5°	3276.5	3274.9	3432.4	4049.2	4553.8	4879.1	4753.8	4703.6	4426.8	4346.7	2569.2
55°	2934.3	2932.1	3049.3	3578.9	4399.0	5122.1	5095.4	5032.7	4570.1	4372.3	2543.1
57.5°	2222.1	2263.5	2380.1	2865.1	3908.6	5083.4	5421.8	5369.5	4710.2	4360.9	2538.2
60°	1209.1	1204.2	1373.2	1867.4	2992.6	4644.2	5564.0	5561.3	4858.9	4356.5	2568.1
62.5°	557.4	552.0	585.8	831.5	1715.9	3720.6	5289.4	5328.6	4996.8	4316.7	2565.4
65°	416.9	402.7	356.9	386.9	656.6	2221.0	4492.7	4597.4	4784.3	4153.3	2446.6
67.5°	371.6	358.0	304.6	285.5	329.7	783.6	3259.1	3355.5	4000.7	3847.0	2254.3
70°	340.6	328.6	275.2	245.2	247.4	347.1	1706.1	1895.7	2932.1	3210.6	1921.3
72.5°	310.6	300.2	251.7	215.8	208.2	229.4	581.4	701.3	1823.8	2339.8	1432.6
75°	279.0	269.2	226.7	193.4	178.7	170.0	276.8	298.1	964.5	1292.0	768.9
77.5°	242.5	237.0	202.2	170.6	158.0	128.6	184.2	193.4	413.0	507.3	366.2
80°	210.9	206.5	180.4	154.8	141.7	99.2	127.0	133.5	203.8	253.4	204.9
82.5°	137.3	148.2	149.3	133.0	124.8	79.6	83.9	88.8	135.1	149.3	89.4
85°	56.7	68.7	103.0	91.5	86.6	67.6	55.6	56.7	82.8	87.2	32.1
87.5°	25.6	28.3	50.7	51.2	44.7	25.6	27.8	30.5	42.5	42.0	14.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4
2.5°	1665.8	1640.7	1596.0	1538.8	1497.9	1468.0	1435.3	1411.3	1384.6	1361.2	1365.0
5°	1662.0	1613.5	1513.2	1406.9	1303.4	1218.4	1147.6	1095.3	1041.3	1020.1	1017.3
7.5°	1665.2	1583.0	1418.4	1244.6	1087.1	978.7	896.4	846.8	815.7	797.7	798.8
10°	1664.1	1554.1	1315.9	1076.2	904.0	804.8	754.7	738.3	735.6	737.8	741.1
12.5°	1665.8	1514.8	1201.0	924.7	772.7	722.0	724.2	738.9	748.2	754.1	758.0
15°	1672.9	1482.7	1083.3	805.4	704.0	705.7	729.1	752.0	765.6	772.1	775.4
17.5°	1683.2	1442.4	978.7	714.9	675.1	700.2	730.7	755.2	765.6	769.4	772.1
20°	1684.3	1396.0	872.9	652.8	656.1	688.8	715.5	735.1	748.2	752.5	754.7
22.5°	1679.4	1333.4	764.5	607.6	634.3	667.0	689.9	712.2	694.8	680.6	676.8
25°	1658.7	1254.4	671.9	570.5	607.0	637.5	663.7	639.2	631.0	620.1	621.2
27.5°	1614.0	1155.7	584.7	535.6	574.9	618.5	599.4	596.1	585.8	574.9	574.9
30°	1555.2	1051.7	511.7	499.1	536.2	558.0	562.3	557.4	551.4	537.3	538.4
32.5°	1502.3	941.6	459.9	468.6	511.7	511.7	530.7	530.7	508.9	469.2	469.2
35°	1450.0	838.1	421.8	443.0	471.3	480.6	506.8	472.4	441.4	423.4	422.3
37.5°	1409.1	749.8	396.7	421.2	432.1	455.5	456.1	431.0	420.7	404.3	402.7
40°	1385.1	675.7	381.4	410.3	411.4	433.2	397.2	404.3	402.1	389.6	388.0
42.5°	1372.1	618.5	370.0	401.1	395.6	374.4	367.8	379.8	383.6	377.1	374.4
45°	1361.7	573.8	360.7	368.9	383.1	344.4	341.7	350.9	359.1	358.5	356.4
47.5°	1356.3	542.7	352.6	348.7	351.5	326.4	320.9	325.3	335.7	342.2	341.7
50°	1335.0	518.8	340.6	328.0	310.6	310.6	307.9	307.9	320.4	333.5	334.6
52.5°	1297.4	490.4	323.1	308.4	288.3	297.0	298.1	295.9	309.0	323.1	324.2
55°	1256.0	469.2	299.7	290.4	269.7	284.4	289.3	287.2	295.9	305.7	305.1
57.5°	1256.6	468.6	279.5	272.5	252.3	268.6	280.6	281.2	280.6	287.7	287.7
60°	1288.2	479.5	263.7	248.5	232.1	251.7	271.4	271.4	267.5	277.9	279.0
62.5°	1297.4	478.4	253.9	225.6	214.1	236.5	257.7	261.0	258.3	273.0	274.6
65°	1215.7	452.8	244.1	204.9	197.8	219.6	240.8	250.1	247.4	266.5	268.6
67.5°	1102.3	419.6	228.9	186.4	180.9	203.2	223.4	233.2	232.7	257.7	258.8
70°	950.3	378.7	209.8	167.3	164.6	184.2	202.2	212.5	217.4	246.3	245.8
72.5°	736.2	324.8	180.9	147.1	146.6	164.6	180.4	191.8	201.1	228.9	228.9
75°	474.6	255.6	147.7	127.5	125.3	142.2	158.6	171.6	200.0	244.1	243.6
77.5°	289.9	195.1	118.8	106.3	105.7	121.0	137.3	159.7	218.5	217.4	211.4
80°	173.8	140.0	94.8	85.0	85.0	99.2	117.2	171.1	181.5	207.1	195.6
82.5°	90.5	86.1	70.8	62.7	65.4	77.9	106.8	136.8	148.2	125.9	115.5
85°	37.1	45.8	43.6	39.8	41.4	53.9	103.0	109.5	87.7	92.1	92.6
87.5°	12.5	20.2	20.2	15.8	17.4	38.1	61.0	36.5	44.1	26.2	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)