

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: P671930

Luminaire Tested: **CCP-SA-2C-722-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671930
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-722-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6720.9 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

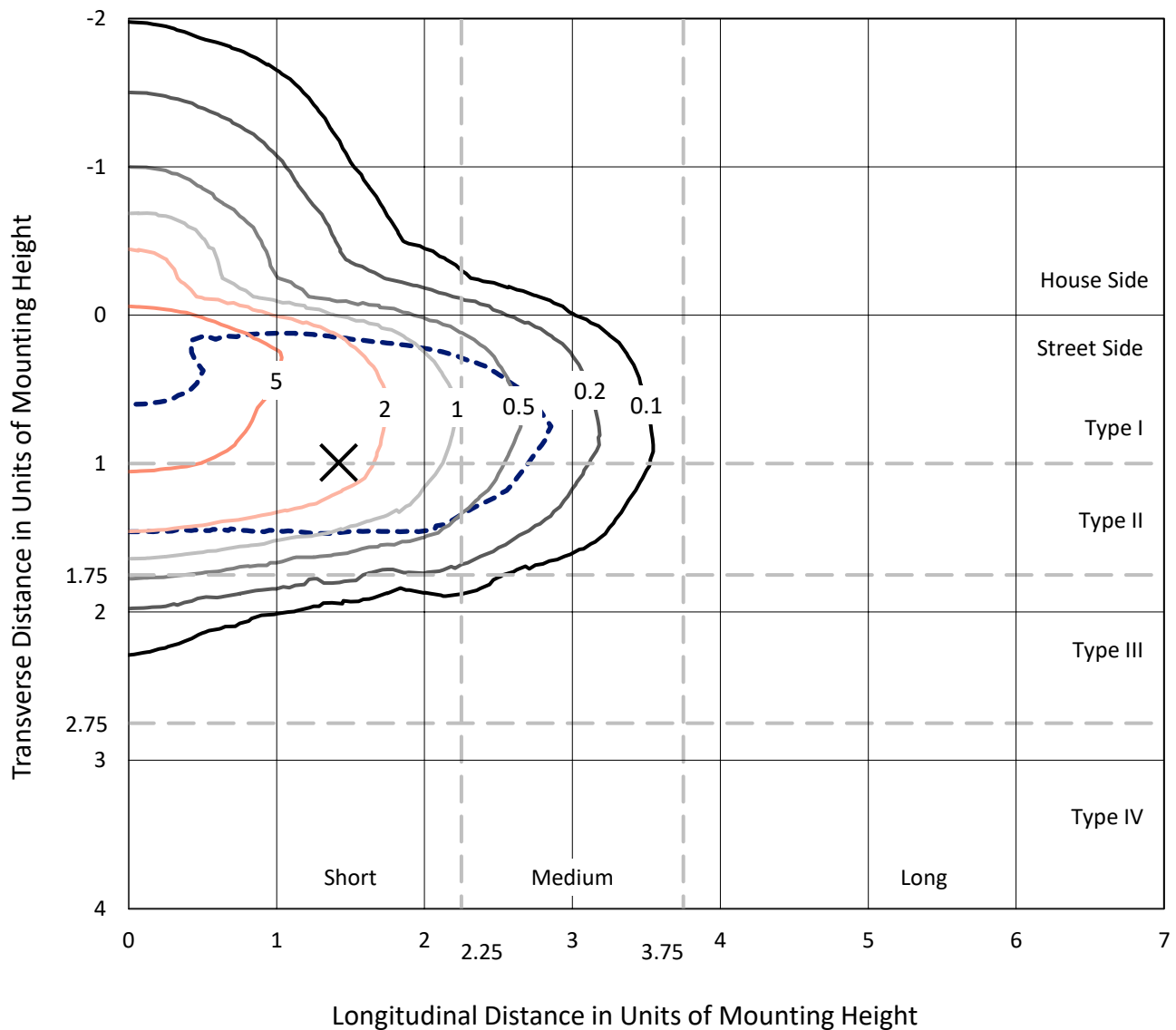
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

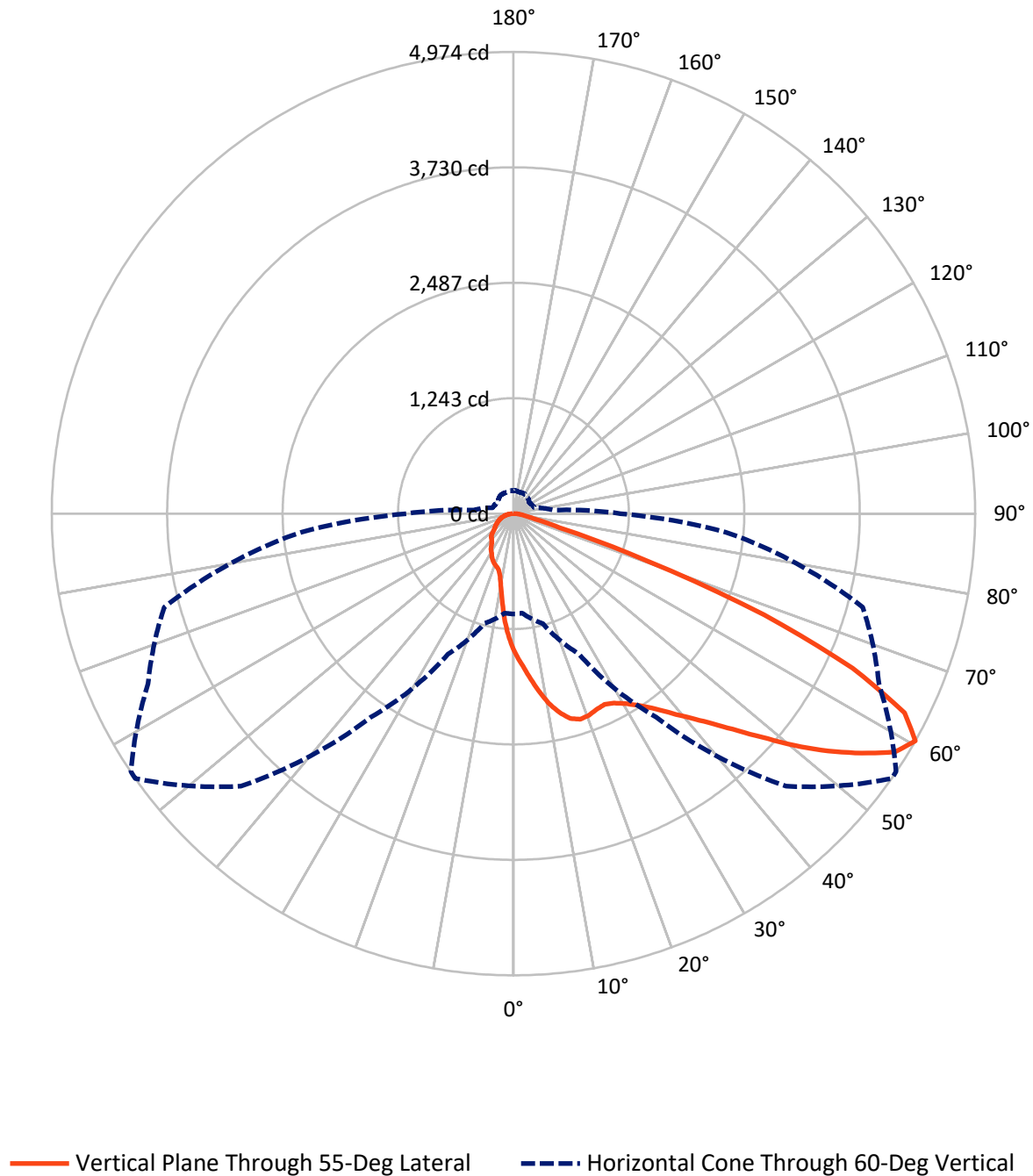
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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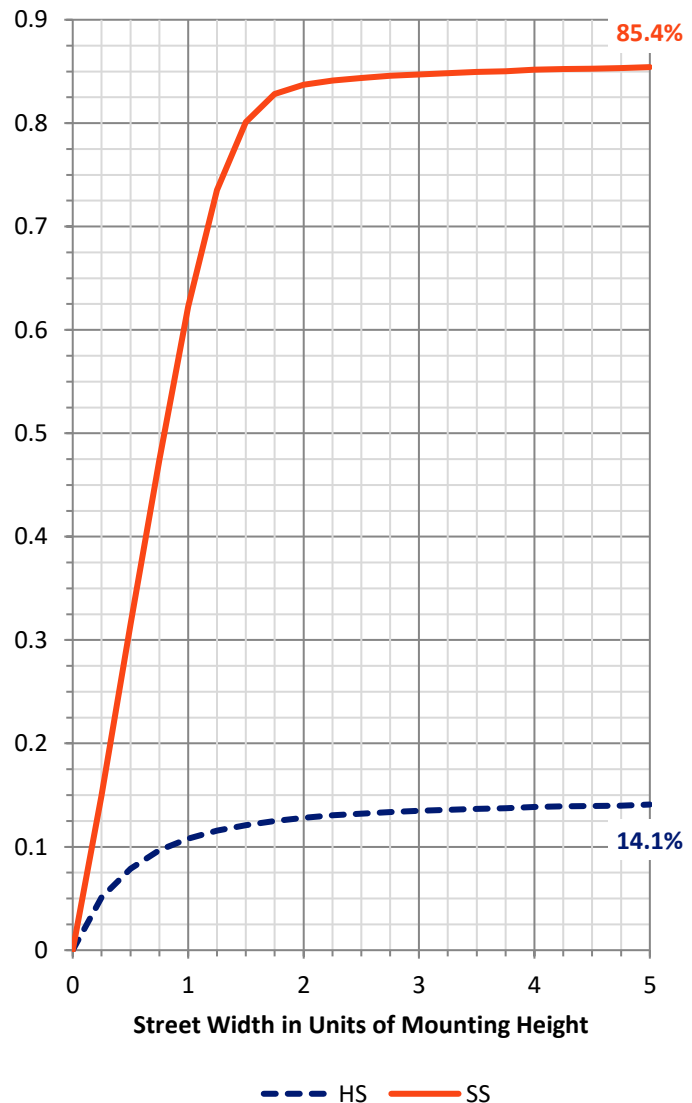
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	966.2	0.0	966.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5754.8	0.0	5754.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	6720.9	0.0	6720.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	2.1
10°-20°	395.2	5.9
20°-30°	643.5	9.6
30°-40°	961.7	14.3
40°-50°	1413.5	21.0
50°-60°	1656.7	24.6
60°-70°	1092.3	16.3
70°-80°	347.8	5.2
80°-90°	70.7	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°	6720.9	100.0
0°-180°	6720.9	100.0



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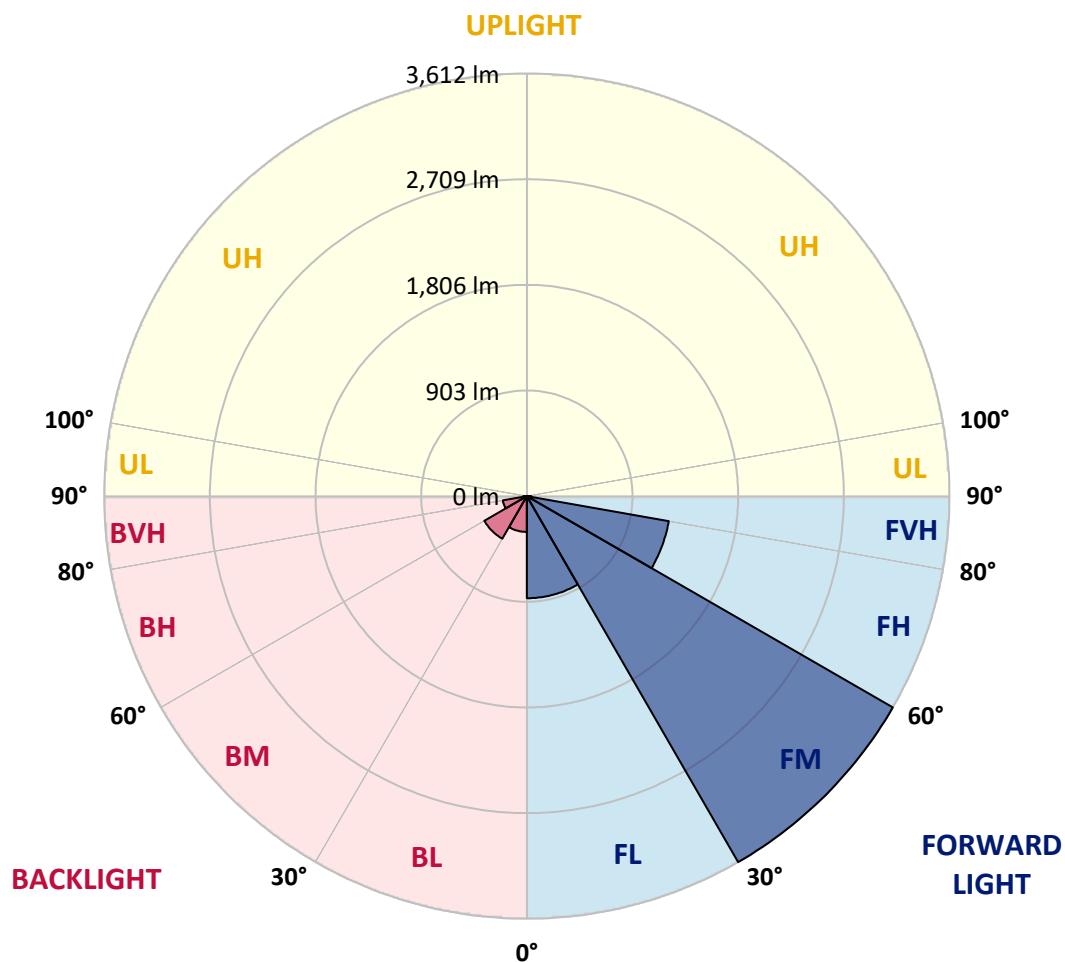
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	872.3	13.0			
FM	(30°-60°)	3612.0	53.7			
FH	(60°-80°)	1231.7	18.3			G1/1800
FVH	(80°-90°)	38.8	0.6			G1/100
BL	(0°-30°)	305.8	4.6	B1/500		
BM	(30°-60°)	419.9	6.2	B1/1000		
BH	(60°-80°)	208.5	3.1	B1/500		G1/500
BVH	(80°-90°)	31.9	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°	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6
2.5°	1734.6	1728.3	1728.3	1712.2	1688.3	1655.2	1615.7	1606.0	1590.9	1552.4	1502.7
5°	1999.1	1992.3	1983.0	1954.8	1910.4	1844.2	1760.9	1745.8	1691.7	1612.3	1522.7
7.5°	2174.0	2170.1	2167.1	2142.8	2099.0	2033.7	1922.1	1905.1	1813.5	1682.0	1541.7
10°	2155.9	2167.6	2188.1	2205.1	2213.9	2180.3	2075.6	2055.6	1942.1	1762.8	1570.0
12.5°	1986.9	2003.5	2041.5	2111.1	2191.5	2256.3	2196.9	2185.7	2079.5	1848.6	1605.5
15°	1861.2	1868.1	1886.6	1938.2	2058.0	2231.0	2290.9	2280.6	2207.6	1958.7	1646.4
17.5°	1822.3	1825.2	1829.6	1846.6	1928.5	2132.1	2329.4	2339.1	2331.8	2073.1	1692.7
20°	1841.8	1843.7	1844.2	1847.1	1886.1	2049.3	2319.1	2335.7	2440.9	2187.6	1738.5
22.5°	1916.8	1914.3	1910.9	1899.7	1921.6	2034.7	2291.8	2318.1	2525.2	2291.8	1780.9
25°	2047.8	2044.4	2020.5	1997.1	2006.4	2087.3	2277.2	2305.5	2590.9	2390.2	1812.0
27.5°	2203.7	2200.3	2175.9	2131.6	2121.8	2174.9	2311.3	2328.9	2639.2	2477.4	1825.7
30°	2365.4	2365.4	2335.2	2284.1	2252.9	2275.3	2374.2	2388.3	2675.7	2561.7	1834.5
32.5°	2541.7	2546.6	2499.8	2441.4	2406.8	2393.7	2462.3	2474.5	2728.8	2661.1	1853.0
35°	2768.2	2757.5	2700.5	2623.6	2568.0	2538.3	2571.4	2585.6	2806.7	2784.8	1882.7
37.5°	3023.0	3004.0	2933.9	2841.8	2744.9	2695.2	2717.1	2720.5	2922.2	2946.0	1936.7
40°	3233.4	3230.0	3170.6	3083.4	2961.1	2894.4	2883.7	2885.6	3082.4	3137.0	2018.6
42.5°	3410.7	3398.1	3387.4	3356.7	3227.1	3117.5	3073.7	3074.1	3256.3	3334.3	2100.9
45°	3489.2	3486.7	3518.4	3597.3	3504.3	3375.2	3312.8	3321.6	3455.5	3536.9	2180.3
47.5°	3455.5	3457.5	3542.3	3749.3	3804.3	3705.4	3594.9	3589.5	3648.4	3692.3	2250.4
50°	3155.5	3187.2	3416.6	3763.4	4001.1	4050.3	3925.6	3905.6	3817.5	3816.0	2293.3
52.5°	2929.0	2927.5	3068.3	3619.7	4070.8	4361.6	4249.5	4204.7	3957.3	3885.7	2296.7
55°	2623.1	2621.1	2725.9	3199.3	3932.4	4578.8	4555.0	4498.9	4085.4	3908.6	2273.3
57.5°	1986.4	2023.4	2127.7	2561.2	3494.0	4544.2	4846.7	4800.0	4210.6	3898.3	2269.0
60°	1080.9	1076.5	1227.5	1669.3	2675.2	4151.6	4973.9	4971.4	4343.5	3894.4	2295.7
62.5°	498.3	493.4	523.6	743.3	1533.9	3326.0	4728.4	4763.4	4466.8	3858.9	2293.3
65°	372.6	360.0	319.1	345.8	587.0	1985.5	4016.2	4109.7	4276.8	3712.7	2187.1
67.5°	332.2	320.0	272.3	255.2	294.7	700.5	2913.4	2999.6	3576.4	3439.0	2015.2
70°	304.4	293.7	246.0	219.2	221.1	310.3	1525.1	1694.7	2621.1	2870.0	1717.5
72.5°	277.7	268.4	225.0	192.9	186.1	205.1	519.7	626.9	1630.4	2091.6	1280.6
75°	249.4	240.6	202.6	172.9	159.8	152.0	247.5	266.4	862.2	1154.9	687.3
77.5°	216.8	211.9	180.7	152.5	141.3	115.0	164.6	172.9	369.2	453.5	327.3
80°	188.5	184.6	161.2	138.3	126.6	88.7	113.5	119.3	182.2	226.5	183.2
82.5°	122.8	132.5	133.5	118.9	111.5	71.1	75.0	79.4	120.8	133.5	79.9
85°	50.7	61.4	92.1	81.8	77.5	60.4	49.7	50.7	74.0	77.9	28.7
87.5°	22.9	25.3	45.3	45.8	39.9	22.9	24.8	27.3	38.0	37.5	12.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6	1490.6
2.5°	1489.1	1466.7	1426.7	1375.6	1339.1	1312.3	1283.0	1261.6	1237.7	1216.8	1220.2
5°	1485.7	1442.3	1352.7	1257.7	1165.2	1089.2	1025.9	979.1	930.9	911.9	909.4
7.5°	1488.6	1415.1	1267.9	1112.6	971.8	874.8	801.3	757.0	729.2	713.1	714.1
10°	1487.6	1389.2	1176.4	962.0	808.1	719.5	674.6	660.0	657.6	659.5	662.5
12.5°	1489.1	1354.2	1073.6	826.6	690.7	645.4	647.4	660.5	668.8	674.2	677.6
15°	1495.4	1325.4	968.4	719.9	629.3	630.8	651.8	672.2	684.4	690.2	693.2
17.5°	1504.7	1289.4	874.8	639.1	603.5	625.9	653.2	675.1	684.4	687.8	690.2
20°	1505.7	1248.0	780.3	583.6	586.5	615.7	639.6	657.1	668.8	672.7	674.6
22.5°	1501.3	1192.0	683.4	543.1	567.0	596.2	616.7	636.7	621.1	608.4	605.0
25°	1482.8	1121.3	600.6	510.0	542.6	569.9	593.3	571.4	564.1	554.3	555.3
27.5°	1442.8	1033.2	522.7	478.8	513.9	552.9	535.8	532.9	523.6	513.9	513.9
30°	1390.2	940.1	457.4	446.2	479.3	498.8	502.7	498.3	493.0	480.3	481.3
32.5°	1343.0	841.7	411.1	418.9	457.4	457.4	474.4	474.4	455.0	419.4	419.4
35°	1296.2	749.2	377.0	396.0	421.3	429.6	453.0	422.3	394.6	378.5	377.5
37.5°	1259.7	670.3	354.6	376.5	386.3	407.2	407.7	385.3	376.0	361.4	360.0
40°	1238.2	604.0	341.0	366.8	367.8	387.3	355.1	361.4	359.5	348.3	346.8
42.5°	1226.5	552.9	330.7	358.5	353.6	334.6	328.8	339.5	342.9	337.1	334.6
45°	1217.3	512.9	322.5	329.8	342.4	307.9	305.4	313.7	321.0	320.5	318.6
47.5°	1212.4	485.2	315.2	311.7	314.2	291.8	286.9	290.8	300.1	305.9	305.4
50°	1193.4	463.7	304.4	293.2	277.7	277.7	275.2	275.2	286.4	298.1	299.1
52.5°	1159.8	438.4	288.9	275.7	257.7	265.5	266.4	264.5	276.2	288.9	289.8
55°	1122.8	419.4	267.9	259.6	241.1	254.3	258.7	256.7	264.5	273.3	272.8
57.5°	1123.3	418.9	249.9	243.6	225.5	240.1	250.9	251.3	250.9	257.2	257.2
60°	1151.5	428.7	235.8	222.1	207.5	225.0	242.6	242.6	239.2	248.4	249.4
62.5°	1159.8	427.7	227.0	201.7	191.4	211.4	230.4	233.3	230.9	244.0	245.5
65°	1086.7	404.8	218.2	183.2	176.8	196.3	215.3	223.6	221.1	238.2	240.1
67.5°	985.4	375.1	204.6	166.6	161.7	181.7	199.7	208.5	208.0	230.4	231.4
70°	849.5	338.5	187.5	149.5	147.1	164.6	180.7	190.0	194.4	220.2	219.7
72.5°	658.1	290.3	161.7	131.5	131.0	147.1	161.2	171.5	179.7	204.6	204.6
75°	424.3	228.5	132.0	114.0	112.0	127.1	141.7	153.4	178.8	218.2	217.7
77.5°	259.1	174.4	106.2	95.0	94.5	108.1	122.8	142.7	195.3	194.4	189.0
80°	155.4	125.2	84.8	76.0	76.0	88.7	104.7	153.0	162.2	185.1	174.9
82.5°	80.9	77.0	63.3	56.0	58.5	69.7	95.5	122.3	132.5	112.5	103.3
85°	33.1	40.9	39.0	35.6	37.0	48.2	92.1	97.9	78.4	82.3	82.8
87.5°	11.2	18.0	18.0	14.1	15.6	34.1	54.6	32.6	39.5	23.4	17.5
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)