

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: P670674

Luminaire Tested: **CCP-SA-1E-740-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670674
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-740-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6820 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

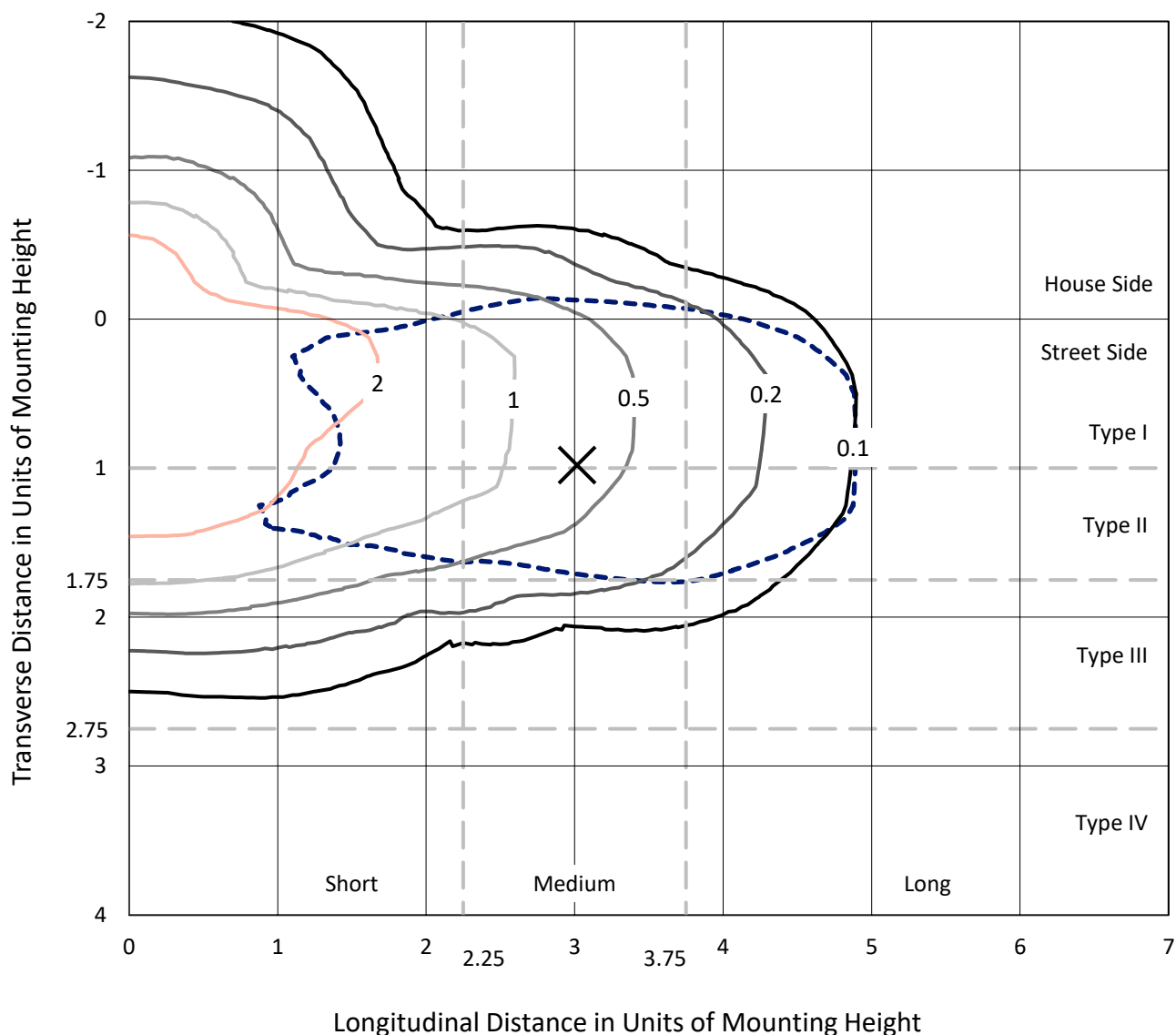
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

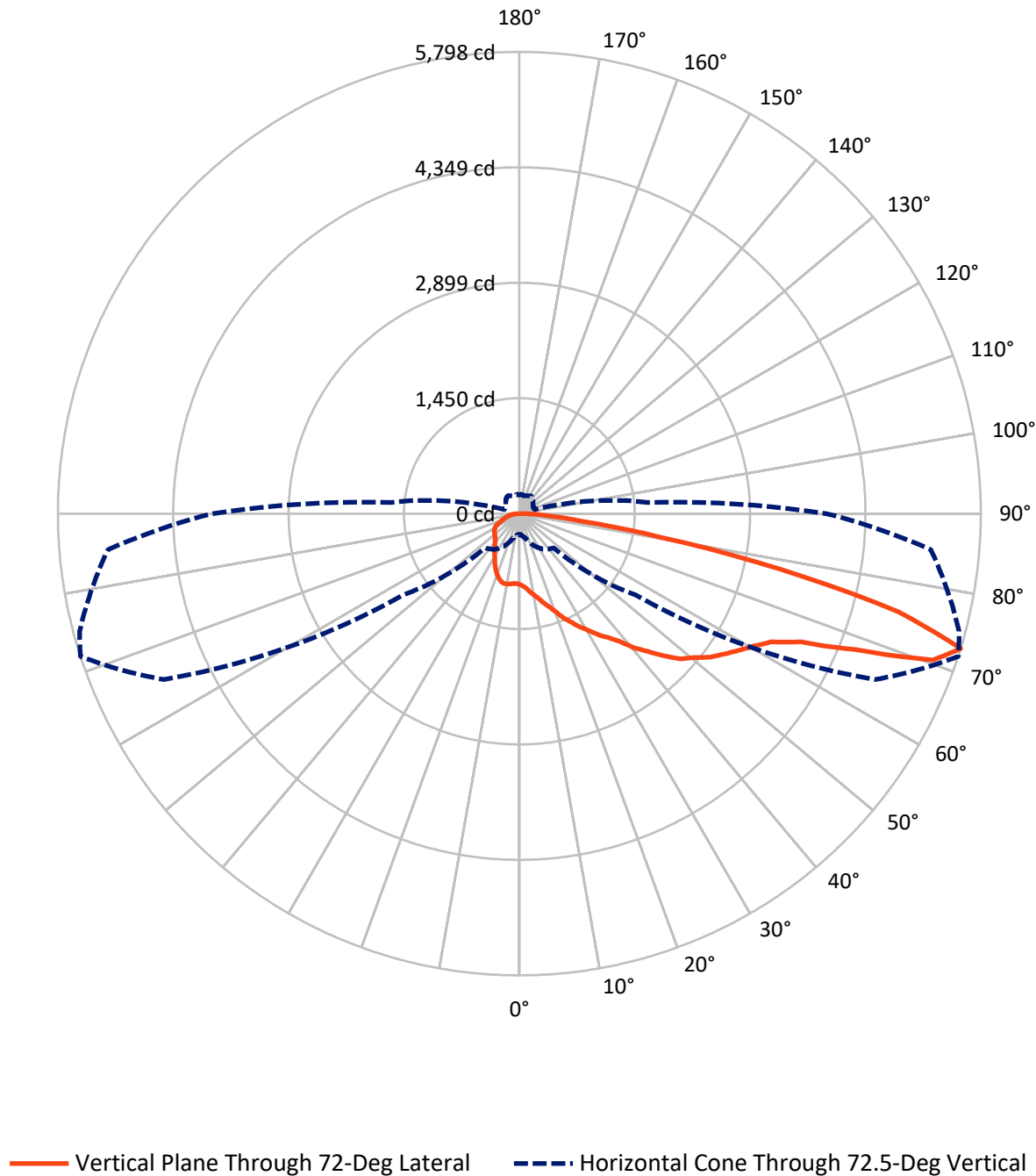


Based on 15 foot mounting height. Maximum calculated value = 5 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



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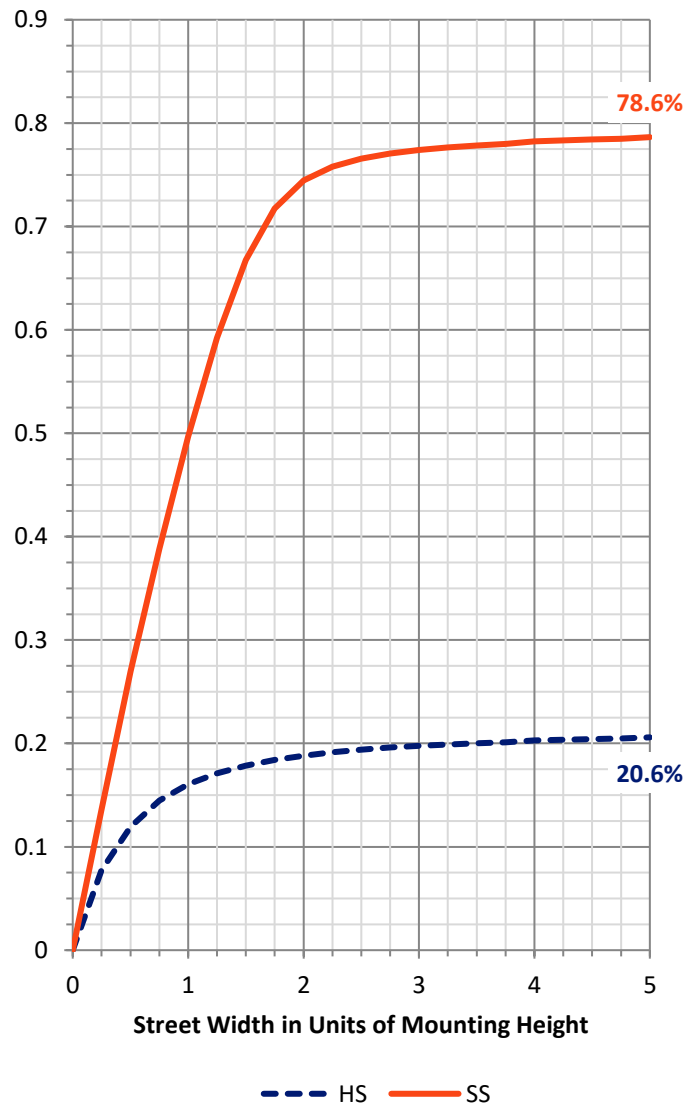
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1435.3	0.0	1435.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5384.7	0.0	5384.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	6820.0	0.0	6820.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	1.3
10°-20°	273.7	4.0
20°-30°	473.6	6.9
30°-40°	699.5	10.3
40°-50°	1040.3	15.3
50°-60°	1426.1	20.9
60°-70°	1546.9	22.7
70°-80°	1090.6	16.0
80°-90°	181.2	2.7
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°	6820.0	100.0
0°-180°	6820.0	100.0

Coefficient of Utilization



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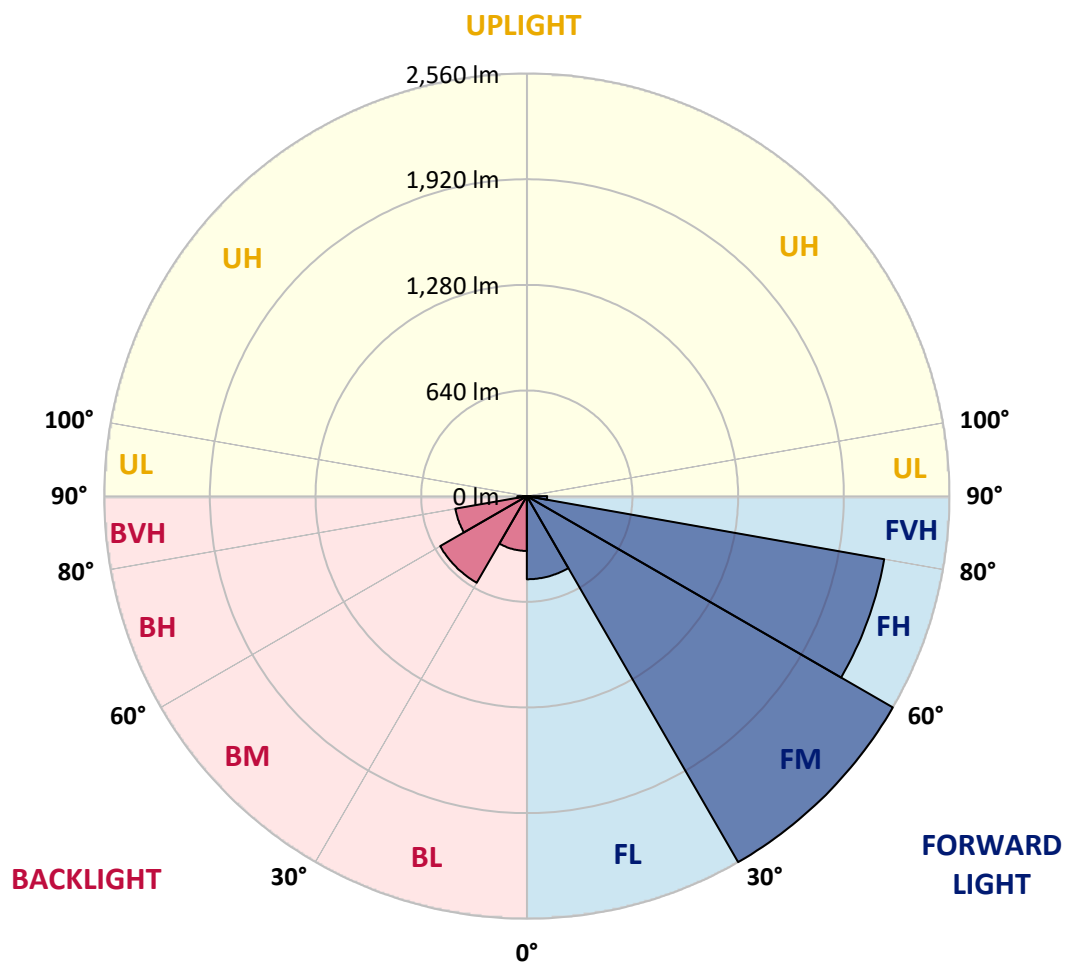
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	503.6	7.4			
FM	(30°-60°)	2559.7	37.5			
FH	(60°-80°)	2197.9	32.2			G2/5000
FVH	(80°-90°)	123.5	1.8			G2/225
BL	(0°-30°)	331.7	4.9	B1/500		
BM	(30°-60°)	606.2	8.9	B1/1000		
BH	(60°-80°)	439.7	6.4	B1/500		G1/500
BVH	(80°-90°)	57.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9
2.5°	961.3	961.3	953.8	951.3	951.3	931.1	933.7	921.1	911.0	911.0	900.9
5°	1011.7	1006.6	1006.6	1006.6	994.1	986.5	984.0	961.3	943.7	946.2	916.0
7.5°	1024.3	1026.8	1029.3	1041.9	1034.3	1039.4	1034.3	1009.2	996.6	984.0	956.3
10°	1031.8	1036.8	1036.8	1054.5	1054.5	1067.0	1074.6	1064.5	1041.9	1029.3	984.0
12.5°	1049.4	1041.9	1051.9	1064.5	1077.1	1099.8	1122.4	1112.3	1097.2	1082.1	1031.8
15°	1049.4	1051.9	1059.5	1079.6	1099.8	1122.4	1162.7	1177.8	1170.2	1142.5	1089.7
17.5°	1019.2	1011.7	1046.9	1084.7	1122.4	1150.1	1202.9	1238.2	1233.1	1223.1	1142.5
20°	1021.7	1029.3	1041.9	1074.6	1135.0	1185.3	1250.8	1308.6	1321.2	1316.2	1213.0
22.5°	1067.0	1069.6	1082.1	1097.2	1145.1	1210.5	1308.6	1401.7	1424.4	1411.8	1291.0
25°	1112.3	1132.5	1132.5	1142.5	1160.2	1228.1	1346.4	1477.2	1510.0	1512.5	1371.5
27.5°	1185.3	1190.4	1205.5	1210.5	1225.6	1265.9	1389.2	1532.6	1608.1	1598.0	1444.5
30°	1270.9	1273.4	1283.5	1278.4	1281.0	1331.3	1429.4	1595.5	1698.7	1701.2	1522.5
32.5°	1371.5	1391.7	1396.7	1364.0	1369.0	1381.6	1492.3	1671.0	1812.0	1794.3	1590.5
35°	1520.0	1527.6	1512.5	1497.4	1459.6	1452.1	1557.8	1746.5	1910.1	1930.2	1691.2
37.5°	1703.7	1723.9	1703.7	1623.2	1582.9	1552.7	1638.3	1829.6	2028.4	2096.3	1791.8
40°	1874.9	1872.4	1852.2	1779.2	1708.8	1686.1	1754.1	1945.3	2212.1	2277.5	1937.8
42.5°	2013.3	2005.7	1993.2	1937.8	1872.4	1834.6	1887.5	2066.1	2365.6	2491.4	2106.4
45°	2134.1	2124.0	2126.5	2063.6	2000.7	2020.8	2020.8	2204.5	2546.8	2702.8	2300.2
47.5°	2247.3	2252.4	2244.8	2197.0	2149.2	2202.0	2174.3	2363.1	2725.5	2899.1	2463.8
50°	2378.2	2388.3	2363.1	2332.9	2290.1	2343.0	2307.7	2511.6	2841.2	3077.8	2660.1
52.5°	2501.5	2511.6	2534.2	2496.5	2453.7	2496.5	2415.9	2650.0	2994.8	3251.5	2811.0
55°	2531.7	2526.7	2652.5	2692.8	2715.4	2587.1	2511.6	2768.3	3115.6	3362.2	2982.2
57.5°	2393.3	2405.9	2577.0	2692.8	2934.4	2823.6	2619.8	2906.7	3241.4	3508.1	3140.7
60°	2048.5	2056.1	2270.0	2544.3	2896.6	3045.1	2911.7	3085.4	3379.8	3631.5	3319.4
62.5°	1369.0	1426.9	1693.7	2124.0	2629.9	3105.5	3377.3	3387.4	3548.4	3787.5	3563.5
65°	722.3	749.9	958.8	1306.1	1993.2	2896.6	3815.2	3986.3	3885.6	4074.4	3915.8
67.5°	473.1	483.2	596.4	792.7	1150.1	2113.9	3865.5	5025.7	4562.6	4620.5	4479.6
70°	352.3	357.4	440.4	586.4	712.2	1130.0	3168.4	5511.4	5508.8	5355.3	5149.0
72.5°	259.2	266.8	324.6	448.0	548.6	609.0	1781.8	4930.0	5798.3	5720.2	5189.2
75°	203.8	208.9	239.1	347.3	442.9	400.1	903.5	3651.6	4917.4	5292.4	4748.8
77.5°	166.1	171.1	188.7	251.7	354.8	309.5	432.9	2355.5	3334.5	3810.1	3634.0
80°	138.4	138.4	151.0	178.7	274.3	234.0	256.7	1323.7	1796.9	1983.1	1648.4
82.5°	118.3	115.8	125.8	130.9	203.8	168.6	166.1	599.0	790.2	838.0	619.1
85°	75.5	78.0	118.3	113.2	133.4	115.8	93.1	284.4	372.5	380.0	231.5
87.5°	30.2	30.2	50.3	62.9	75.5	70.5	45.3	128.3	163.6	163.6	65.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9
2.5°	898.4	888.4	880.8	875.8	863.2	850.6	853.1	850.6	840.5	835.5	835.5
5°	908.5	898.4	885.8	865.7	853.1	838.0	843.1	833.0	822.9	830.5	817.9
7.5°	933.7	916.0	898.4	868.2	848.1	825.4	815.4	810.3	802.8	797.8	797.8
10°	968.9	943.7	911.0	865.7	833.0	797.8	792.7	782.7	775.1	775.1	772.6
12.5°	1004.1	976.4	921.1	848.1	792.7	767.6	765.0	767.6	772.6	775.1	777.6
15°	1049.4	1004.1	918.6	815.4	760.0	749.9	762.5	772.6	782.7	792.7	790.2
17.5°	1092.2	1039.4	895.9	775.1	732.3	734.8	757.5	777.6	797.8	807.8	810.3
20°	1150.1	1072.1	863.2	727.3	704.6	727.3	757.5	782.7	805.3	817.9	820.4
22.5°	1215.5	1109.8	820.4	684.5	682.0	704.6	734.8	772.6	797.8	820.4	817.9
25°	1273.4	1135.0	765.0	649.3	654.3	669.4	704.6	744.9	770.1	795.2	787.7
27.5°	1311.2	1140.0	707.2	624.1	624.1	639.2	671.9	697.1	719.7	739.9	742.4
30°	1353.9	1130.0	641.7	591.4	591.4	611.5	624.1	639.2	651.8	656.8	661.9
32.5°	1404.3	1107.3	601.5	566.2	566.2	581.3	588.9	583.9	581.3	568.8	576.3
35°	1452.1	1074.6	556.2	533.5	543.6	551.1	548.6	533.5	518.4	495.8	488.2
37.5°	1510.0	1041.9	515.9	498.3	515.9	518.4	518.4	500.8	480.7	453.0	453.0
40°	1598.0	1016.7	483.2	475.6	493.3	490.7	478.2	465.6	473.1	458.0	458.0
42.5°	1691.2	1006.6	453.0	455.5	463.1	465.6	453.0	437.9	468.1	450.5	453.0
45°	1806.9	1014.2	432.9	430.3	448.0	445.4	437.9	425.3	435.4	390.1	377.5
47.5°	1915.1	1029.3	422.8	412.7	432.9	437.9	427.8	400.1	385.0	357.4	352.3
50°	2013.3	1062.0	412.7	392.6	412.7	422.8	405.2	375.0	357.4	339.7	339.7
52.5°	2106.4	1109.8	407.7	369.9	387.6	400.1	390.1	359.9	339.7	332.2	324.6
55°	2202.0	1152.6	400.1	354.8	359.9	385.0	382.5	342.3	322.1	322.1	319.6
57.5°	2337.9	1210.5	390.1	329.7	339.7	367.4	367.4	334.7	312.1	314.6	317.1
60°	2476.3	1278.4	380.0	304.5	312.1	349.8	354.8	324.6	304.5	307.0	304.5
62.5°	2697.8	1404.3	359.9	274.3	289.4	327.2	339.7	312.1	294.4	299.5	299.5
65°	3032.5	1620.7	317.1	249.1	266.8	307.0	324.6	299.5	279.3	294.4	289.4
67.5°	3571.1	1917.7	266.8	229.0	251.7	286.9	307.0	284.4	266.8	289.4	281.9
70°	4054.3	2063.6	229.0	211.4	229.0	264.2	286.9	269.3	251.7	274.3	264.2
72.5°	3858.0	1618.2	198.8	191.3	208.9	239.1	266.8	249.1	231.5	244.1	234.0
75°	3329.5	1288.5	173.6	171.1	186.2	216.4	244.1	231.5	213.9	218.9	213.9
77.5°	2524.2	1064.5	148.5	146.0	158.5	193.8	218.9	208.9	191.3	188.7	188.7
80°	1127.4	523.5	123.3	123.3	130.9	166.1	186.2	181.2	163.6	161.1	158.5
82.5°	369.9	198.8	100.7	95.6	105.7	138.4	166.1	161.1	143.4	138.4	133.4
85°	148.5	95.6	73.0	73.0	83.0	115.8	148.5	138.4	115.8	103.2	103.2
87.5°	50.3	40.3	37.7	37.7	52.8	78.0	110.7	93.1	83.0	73.0	75.5
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)