

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: P675494

Luminaire Tested: **CCW-SA-2B-850-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675494
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-850-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL2 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

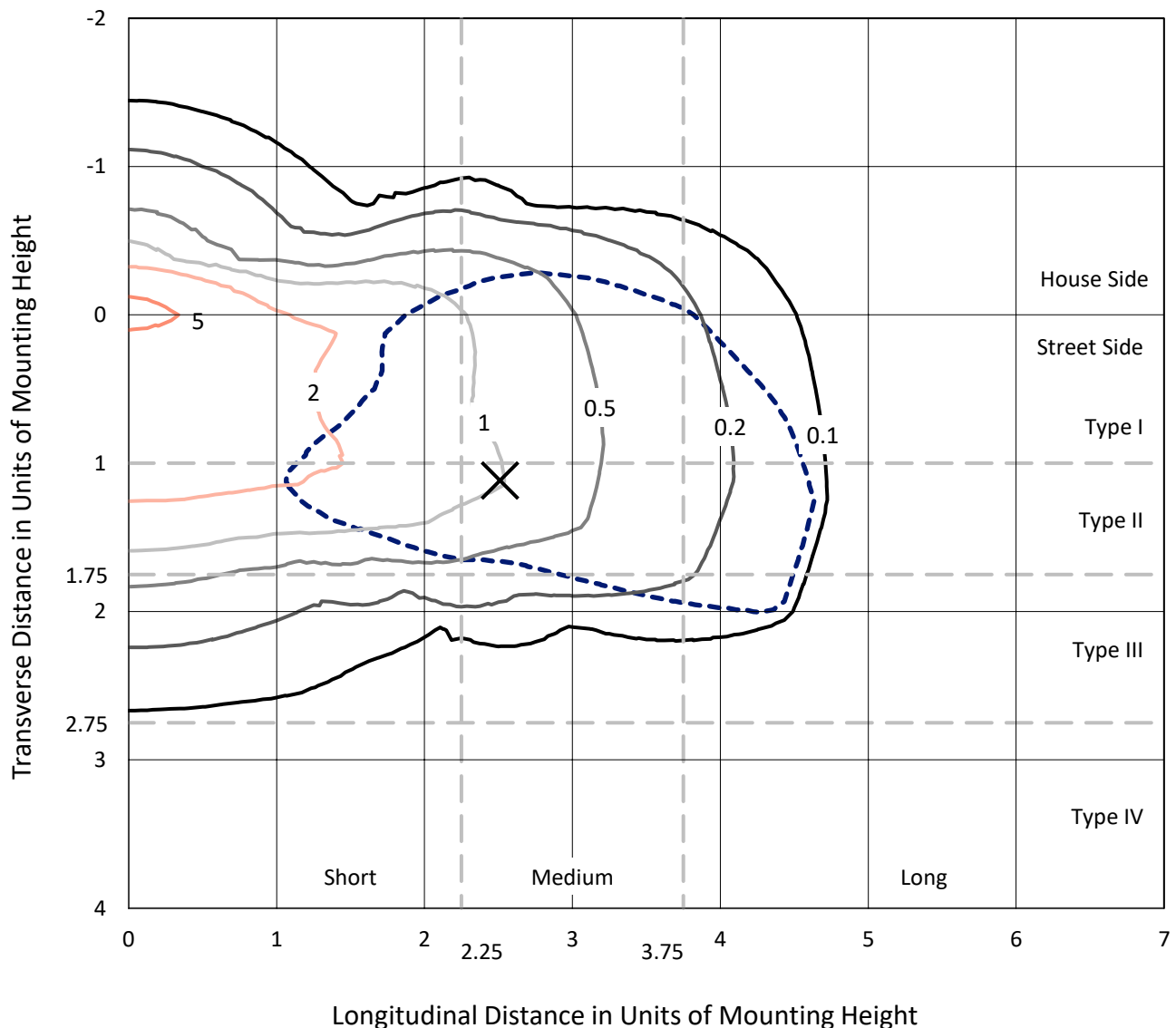
Lumens per Lamp: N/A
Luminaire Lumens: 5964.2 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

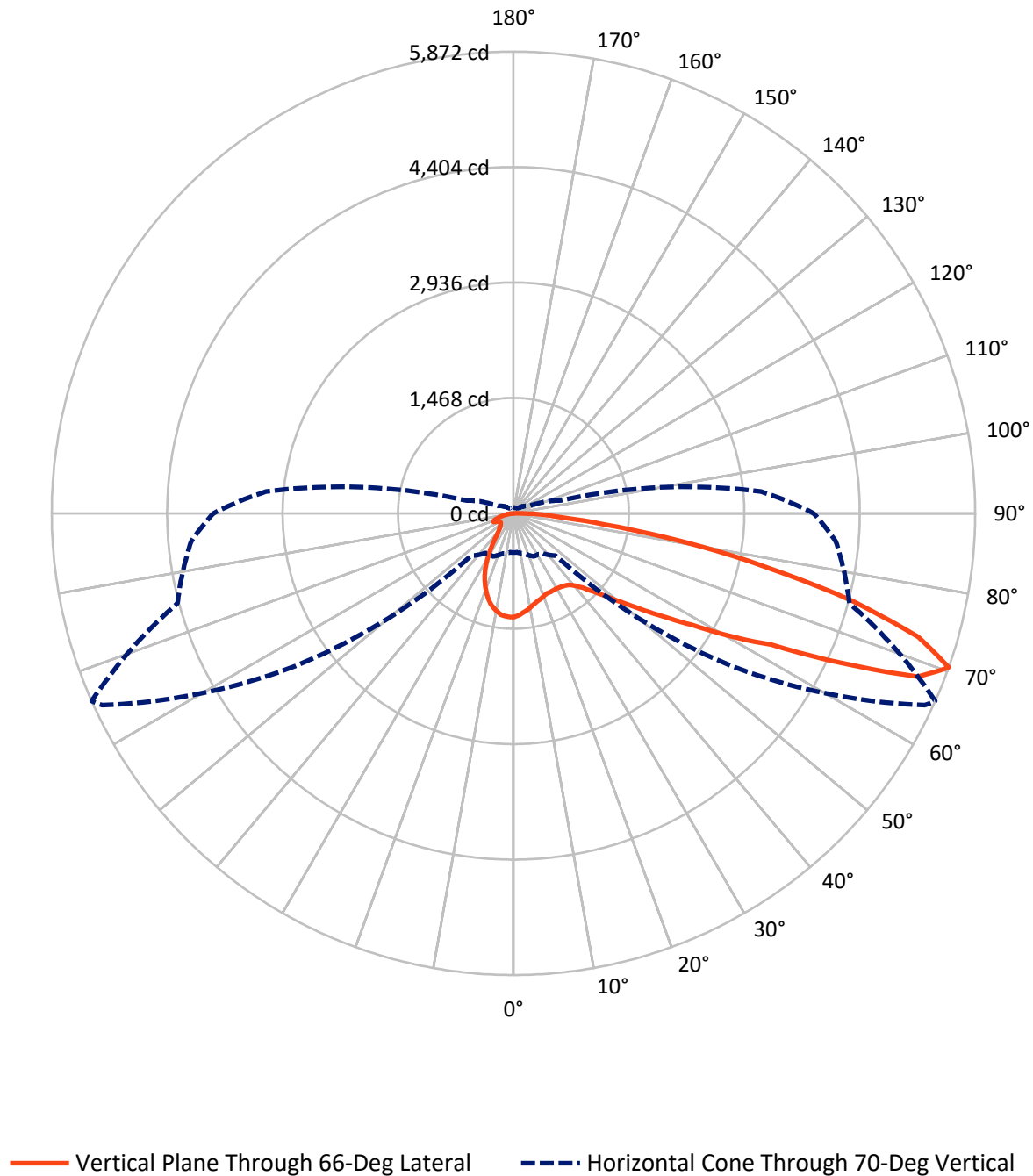
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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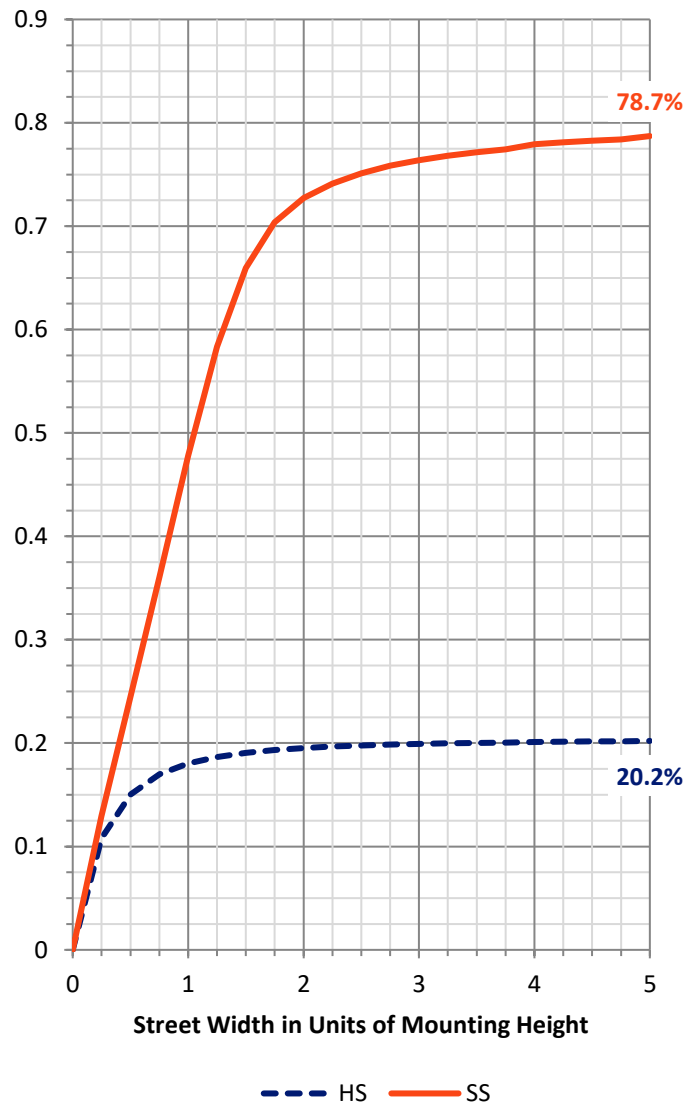
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1220.8	0.0	1220.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4743.4	0.0	4743.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	5964.2	0.0	5964.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	2.0
10°-20°	286.8	4.8
20°-30°	393.9	6.6
30°-40°	528.1	8.9
40°-50°	766.3	12.8
50°-60°	1164.8	19.5
60°-70°	1438.5	24.1
70°-80°	1069.7	17.9
80°-90°	199.5	3.3
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°	5964.2	100.0
0°-180°	5964.2	100.0

Coefficient of Utilization



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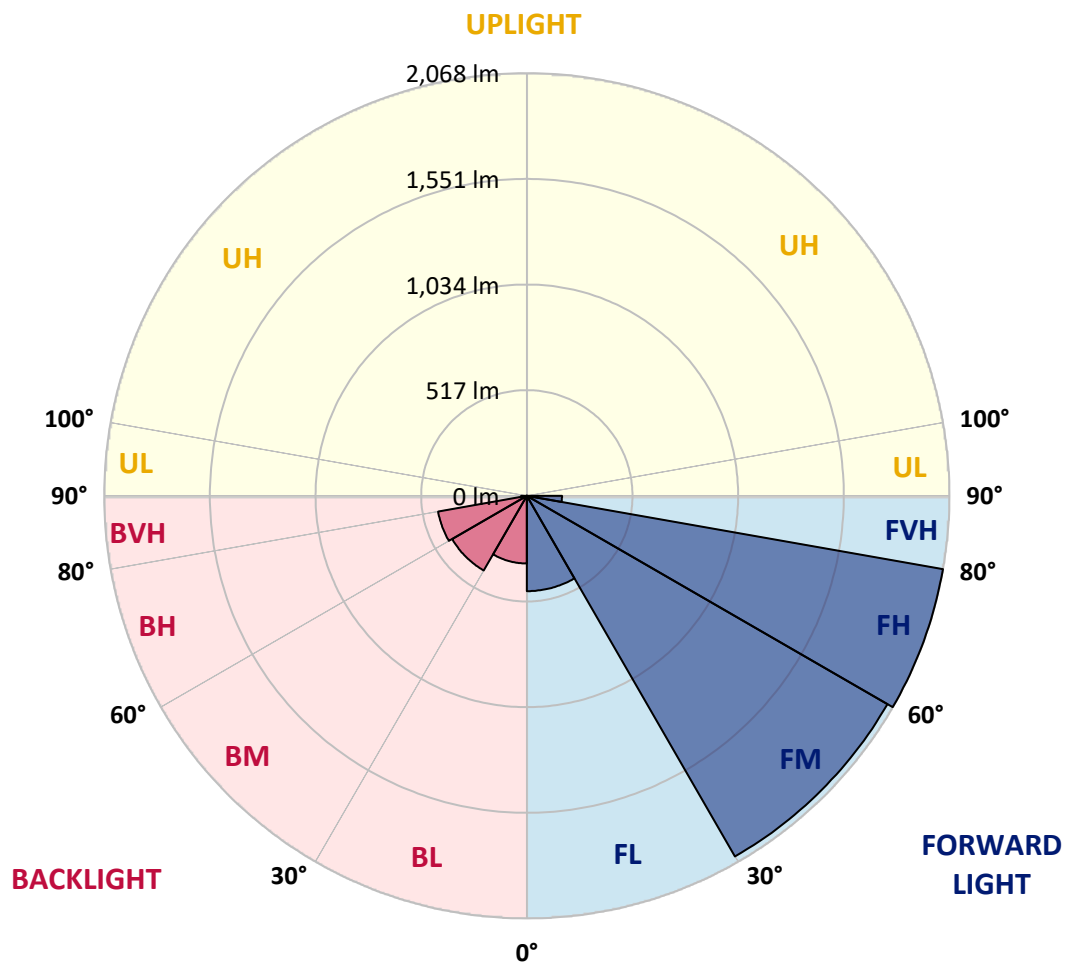
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	466.4	7.8			
FM	(30°-60°)	2037.5	34.2			
FH	(60°-80°)	2067.6	34.7			G2/5000
FVH	(80°-90°)	172.0	2.9			G2/225
BL	(0°-30°)	330.9	5.5	B1/500		
BM	(30°-60°)	421.7	7.1	B1/1000		
BH	(60°-80°)	440.7	7.4	B1/500		G1/500
BVH	(80°-90°)	27.5	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7
2.5°	1253.3	1260.0	1262.2	1266.7	1277.8	1286.6	1299.9	1306.6	1299.9	1308.8	1308.8
5°	1166.8	1158.0	1180.1	1189.0	1202.3	1220.1	1251.1	1275.5	1268.9	1295.5	1317.7
7.5°	1093.6	1093.6	1100.3	1120.3	1135.8	1162.4	1195.7	1233.4	1244.5	1280.0	1313.2
10°	1027.1	1036.0	1036.0	1067.0	1075.9	1106.9	1162.4	1209.0	1211.2	1271.1	1317.7
12.5°	991.6	987.2	1009.3	1018.2	1044.8	1075.9	1120.3	1177.9	1180.1	1244.5	1308.8
15°	962.7	967.2	978.3	1000.5	1024.9	1049.3	1091.4	1144.7	1155.7	1231.2	1304.4
17.5°	965.0	967.2	967.2	982.7	1002.7	1031.5	1071.4	1133.6	1140.2	1213.4	1297.7
20°	978.3	969.4	976.1	982.7	996.0	1022.6	1055.9	1109.2	1115.8	1211.2	1313.2
22.5°	1007.1	1000.5	998.2	996.0	993.8	1009.3	1051.5	1095.8	1102.5	1200.1	1319.9
25°	1053.7	1051.5	1036.0	1020.4	1009.3	1009.3	1042.6	1106.9	1104.7	1200.1	1324.3
27.5°	1109.2	1109.2	1106.9	1078.1	1044.8	1027.1	1049.3	1102.5	1100.3	1200.1	1335.4
30°	1184.6	1184.6	1177.9	1151.3	1091.4	1040.4	1053.7	1098.1	1104.7	1191.2	1326.6
32.5°	1266.7	1264.4	1271.1	1246.7	1184.6	1102.5	1080.3	1106.9	1113.6	1200.1	1328.8
35°	1326.6	1339.9	1362.0	1339.9	1277.8	1166.8	1118.0	1124.7	1129.1	1202.3	1337.6
37.5°	1395.3	1410.8	1441.9	1459.7	1393.1	1264.4	1177.9	1153.5	1153.5	1231.2	1339.9
40°	1495.1	1479.6	1532.9	1563.9	1537.3	1384.2	1271.1	1206.8	1209.0	1268.9	1368.7
42.5°	1568.4	1583.9	1639.3	1694.8	1661.5	1530.6	1373.1	1293.3	1293.3	1324.3	1413.1
45°	1650.4	1668.2	1745.8	1812.4	1836.8	1705.9	1512.9	1417.5	1413.1	1433.0	1492.9
47.5°	1741.4	1765.8	1854.5	1932.2	1996.5	1887.8	1692.6	1568.4	1566.1	1581.7	1626.0
50°	1845.6	1854.5	1927.7	2069.7	2198.4	2129.6	1912.2	1781.3	1770.2	1776.9	1836.8
52.5°	1876.7	1870.0	1954.3	2107.4	2342.5	2424.6	2211.7	2023.1	2018.7	2003.1	2080.8
55°	1763.6	1785.7	1867.8	2063.0	2460.1	2772.9	2540.0	2353.6	2313.7	2271.6	2364.7
57.5°	1537.3	1539.5	1632.7	1863.4	2369.2	3061.3	3096.8	2677.5	2679.7	2566.6	2673.1
60°	1195.7	1189.0	1262.2	1470.7	2109.6	3150.0	3704.6	3194.4	3172.2	2861.6	2959.2
62.5°	862.9	849.6	865.1	987.2	1577.2	3014.7	4301.3	3773.4	3680.2	3163.3	3238.7
65°	709.9	716.5	723.2	729.8	885.1	2486.7	4485.4	4718.4	4594.1	3516.0	3547.1
67.5°	587.9	592.3	621.1	661.1	656.6	1468.5	4272.5	5592.4	5545.8	3953.0	3813.3
70°	499.1	496.9	530.2	603.4	614.5	763.1	3382.9	5772.1	5871.9	4423.3	4115.0
72.5°	399.3	403.7	432.6	530.2	603.4	643.3	1947.7	5386.1	5383.9	4784.9	3953.0
75°	286.2	286.2	326.1	439.2	583.4	636.7	1078.1	4372.3	4454.4	4496.5	3429.5
77.5°	188.6	197.4	228.5	328.3	547.9	623.3	683.2	3178.8	3280.9	3363.0	2624.3
80°	128.7	133.1	153.1	228.5	463.6	627.8	559.0	2138.5	2178.4	1856.7	1064.8
82.5°	77.6	79.9	102.0	159.7	332.7	596.7	525.7	1180.1	1155.7	561.2	306.1
85°	42.1	44.4	64.3	106.5	219.6	521.3	516.9	579.0	539.1	206.3	128.7
87.5°	15.5	15.5	28.8	53.2	126.4	357.1	450.3	343.8	321.7	104.3	59.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7
2.5°	1319.9	1319.9	1319.9	1319.9	1317.7	1308.8	1315.5	1313.2	1299.9	1302.2	1293.3
5°	1315.5	1326.6	1319.9	1311.0	1299.9	1273.3	1264.4	1257.8	1240.0	1233.4	1240.0
7.5°	1326.6	1317.7	1313.2	1297.7	1253.3	1228.9	1197.9	1160.2	1133.6	1126.9	1133.6
10°	1324.3	1324.3	1304.4	1260.0	1217.9	1146.9	1106.9	1040.4	1002.7	991.6	993.8
12.5°	1315.5	1322.1	1291.1	1220.1	1140.2	1053.7	980.5	909.5	843.0	816.3	811.9
15°	1324.3	1317.7	1262.2	1171.3	1060.4	940.6	834.1	729.8	667.7	627.8	618.9
17.5°	1311.0	1304.4	1224.5	1104.7	956.1	803.0	669.9	556.8	494.7	479.2	479.2
20°	1326.6	1284.4	1180.1	1024.9	847.4	652.2	501.3	417.0	401.5	401.5	406.0
22.5°	1324.3	1280.0	1142.4	947.2	716.5	492.5	372.7	348.3	350.5	368.2	366.0
25°	1311.0	1271.1	1089.2	860.7	579.0	370.5	308.3	301.7	317.2	337.2	335.0
27.5°	1308.8	1246.7	1040.4	758.7	441.4	292.8	268.4	268.4	283.9	301.7	299.5
30°	1295.5	1226.7	980.5	643.3	332.7	255.1	246.2	246.2	252.9	261.8	261.8
32.5°	1293.3	1200.1	913.9	523.5	266.2	230.7	226.3	228.5	228.5	232.9	230.7
35°	1275.5	1164.6	845.2	406.0	230.7	217.4	213.0	210.7	210.7	208.5	208.5
37.5°	1268.9	1142.4	774.2	315.0	215.2	206.3	201.9	195.2	193.0	193.0	190.8
40°	1275.5	1120.3	705.4	255.1	201.9	197.4	190.8	181.9	179.7	179.7	179.7
42.5°	1299.9	1118.0	634.4	221.8	195.2	188.6	179.7	170.8	168.6	170.8	168.6
45°	1355.4	1135.8	565.7	206.3	186.3	179.7	168.6	161.9	159.7	161.9	161.9
47.5°	1446.3	1184.6	503.6	197.4	179.7	170.8	159.7	153.1	153.1	153.1	153.1
50°	1597.2	1277.8	443.7	190.8	175.2	164.2	153.1	144.2	142.0	142.0	144.2
52.5°	1823.5	1437.5	394.9	186.3	168.6	155.3	144.2	137.5	133.1	130.9	133.1
55°	2096.3	1670.4	379.3	181.9	159.7	148.6	137.5	128.7	124.2	124.2	122.0
57.5°	2389.1	1927.7	406.0	177.5	153.1	139.8	128.7	119.8	115.4	113.1	113.1
60°	2706.3	2231.6	503.6	175.2	146.4	130.9	119.8	113.1	106.5	104.3	104.3
62.5°	2994.7	2506.7	678.8	173.0	142.0	122.0	110.9	102.0	97.6	95.4	95.4
65°	3323.0	2812.8	849.6	181.9	139.8	115.4	102.0	93.2	88.7	86.5	86.5
67.5°	3609.2	3079.0	949.4	204.1	146.4	106.5	91.0	84.3	82.1	79.9	79.9
70°	3817.7	3161.1	636.7	224.1	157.5	99.8	82.1	77.6	73.2	73.2	73.2
72.5°	3538.2	2821.7	377.1	210.7	148.6	93.2	73.2	68.8	66.5	66.5	64.3
75°	3025.8	2402.4	290.6	170.8	119.8	79.9	64.3	59.9	57.7	57.7	55.5
77.5°	2233.8	1721.4	215.2	135.3	93.2	64.3	55.5	53.2	51.0	48.8	48.8
80°	874.0	754.2	146.4	99.8	68.8	51.0	46.6	44.4	42.1	39.9	39.9
82.5°	270.6	228.5	84.3	66.5	48.8	39.9	37.7	35.5	33.3	31.1	31.1
85°	117.6	113.1	55.5	42.1	33.3	26.6	26.6	24.4	22.2	20.0	20.0
87.5°	57.7	55.5	31.1	20.0	17.7	13.3	13.3	11.1	8.9	8.9	8.9
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)