

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: P670832

Luminaire Tested: **CCP-SA-2B-750-U-T3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670832
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-750-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3
distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7137.7 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

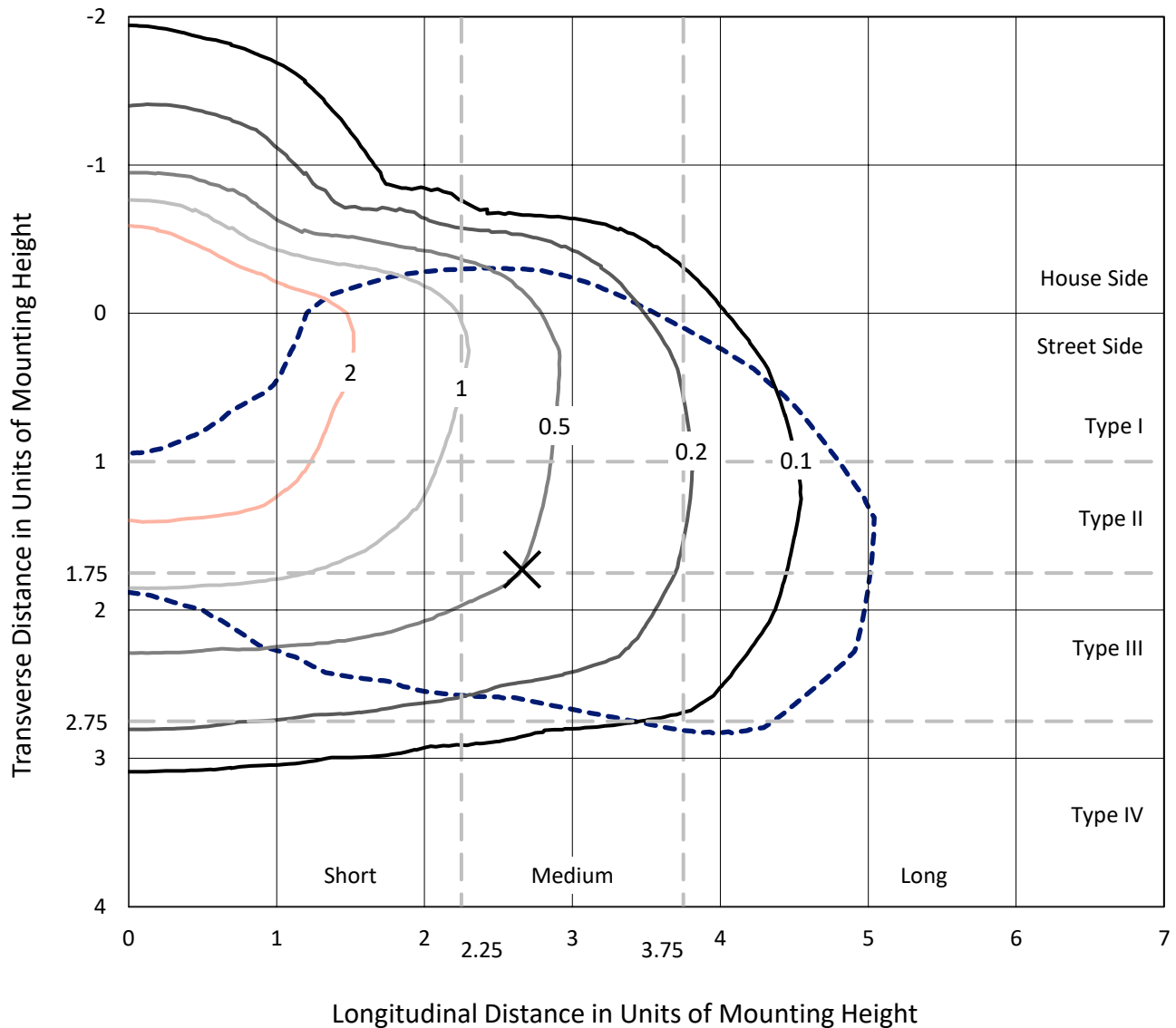
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

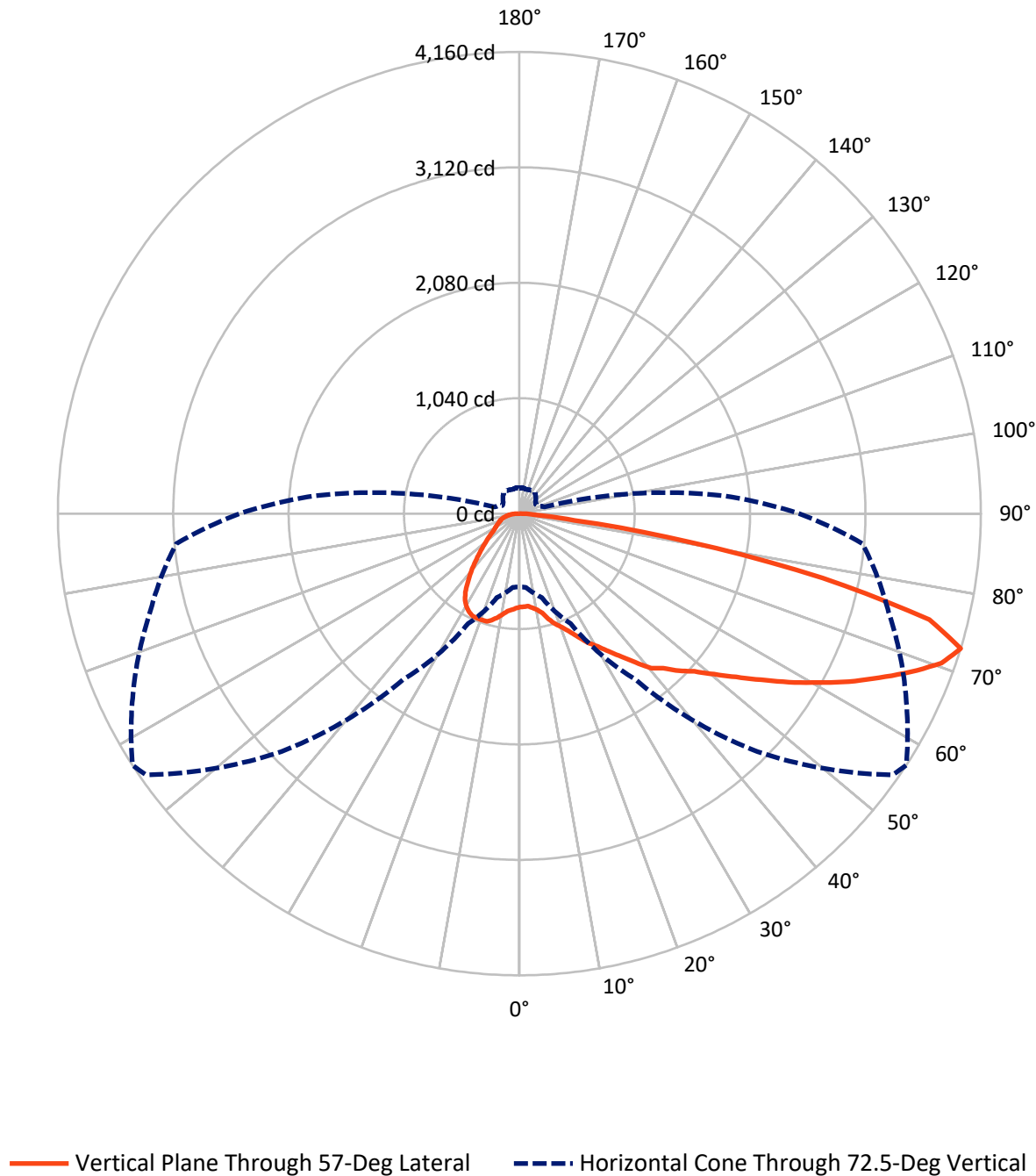
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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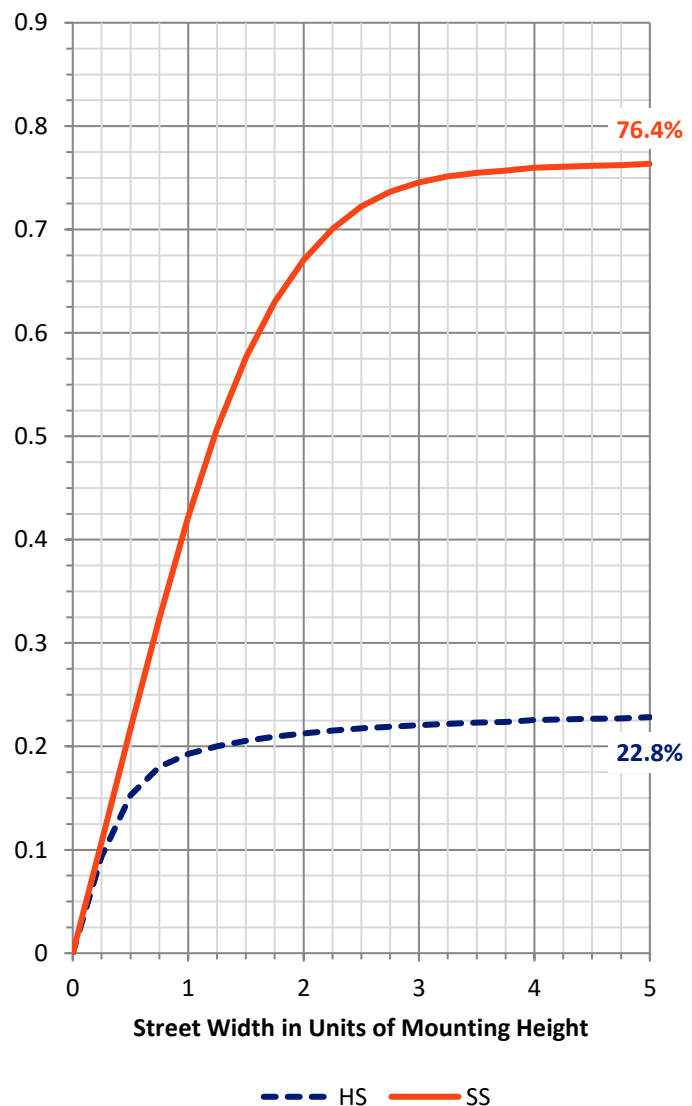
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1666.9	0.0	1666.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5470.8	0.0	5470.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	7137.7	0.0	7137.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.2
10°-20°	281.8	3.9
20°-30°	515.2	7.2
30°-40°	755.9	10.6
40°-50°	1040.7	14.6
50°-60°	1427.2	20.0
60°-70°	1720.3	24.1
70°-80°	1146.0	16.1
80°-90°	166.9	2.3
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°	7137.7	100.0
0°-180°	7137.7	100.0

Coefficient of Utilization



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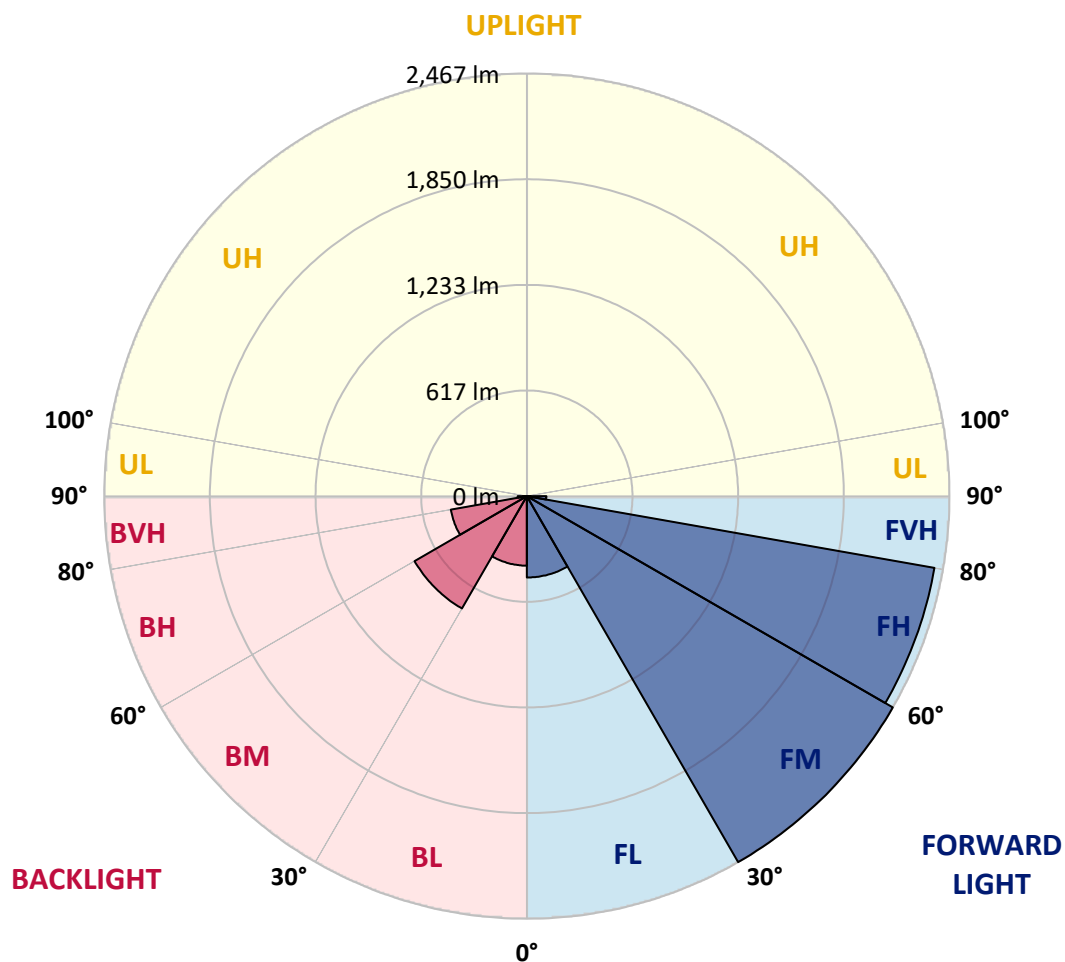
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	474.8	6.7			
FM	(30°-60°)	2466.6	34.6			
FH	(60°-80°)	2415.7	33.8			G2/5000
FVH	(80°-90°)	113.7	1.6			G2/225
BL	(0°-30°)	405.8	5.7	B1/500		
BM	(30°-60°)	757.1	10.6	B1/1000		
BH	(60°-80°)	450.7	6.3	B1/500		G1/500
BVH	(80°-90°)	53.3	0.7			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°	57°	65°	75°	85°
0°	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5
2.5°	826.9	829.5	834.7	832.1	832.1	824.3	837.3	839.9	834.7	837.3	842.5
5°	826.9	832.1	839.9	834.7	837.3	834.7	829.5	837.3	837.3	839.9	847.7
7.5°	871.1	868.5	868.5	860.7	858.1	855.5	858.1	858.1	852.9	855.5	855.5
10°	920.5	920.5	915.3	915.3	910.1	897.1	884.1	881.5	873.7	876.3	876.3
12.5°	972.5	977.7	982.9	967.3	962.1	941.3	933.5	917.9	917.9	912.7	910.1
15°	1037.5	1029.7	1034.9	1029.7	1016.7	995.9	982.9	985.5	967.3	962.1	954.3
17.5°	1094.7	1097.3	1089.5	1084.3	1060.9	1045.3	1047.9	1045.3	1021.9	1014.1	1001.1
20°	1162.3	1159.7	1159.7	1144.1	1123.3	1102.5	1094.7	1092.1	1097.3	1081.7	1050.5
22.5°	1232.5	1222.1	1222.1	1209.1	1180.5	1167.5	1162.3	1151.9	1157.1	1144.1	1097.3
25°	1289.7	1289.7	1307.9	1281.9	1266.3	1240.3	1229.9	1232.5	1235.1	1209.1	1154.5
27.5°	1365.1	1352.1	1370.3	1357.3	1349.5	1320.9	1307.9	1315.7	1310.5	1281.9	1206.5
30°	1461.3	1463.9	1453.5	1435.3	1424.9	1404.1	1396.3	1388.5	1396.3	1359.9	1263.7
32.5°	1580.9	1588.7	1562.7	1541.9	1523.7	1502.9	1487.3	1479.5	1487.3	1432.7	1307.9
35°	1718.8	1726.6	1705.8	1682.4	1661.6	1609.5	1596.5	1583.5	1554.9	1466.5	1349.5
37.5°	1846.2	1835.8	1830.6	1830.6	1791.6	1716.2	1708.4	1700.6	1646.0	1534.1	1406.7
40°	1932.0	1945.0	1939.8	1934.6	1929.4	1859.2	1843.6	1830.6	1739.6	1635.6	1487.3
42.5°	2028.2	2020.4	2041.2	2049.0	2030.8	2010.0	1947.6	1903.4	1822.8	1739.6	1606.9
45°	2142.6	2137.4	2145.2	2173.8	2147.8	2155.6	2051.6	2020.4	1919.0	1869.6	1757.8
47.5°	2244.0	2257.0	2296.0	2303.8	2283.0	2319.4	2173.8	2124.4	2059.4	2020.4	1913.8
50°	2288.2	2303.8	2392.2	2446.8	2449.4	2506.6	2296.0	2275.2	2186.8	2202.4	2108.8
52.5°	2251.8	2301.2	2407.8	2550.8	2639.2	2696.4	2457.2	2446.8	2366.2	2415.6	2322.0
55°	2285.6	2332.4	2402.6	2602.8	2826.5	2839.5	2680.8	2641.8	2561.2	2628.8	2543.0
57.5°	2301.2	2275.2	2407.8	2660.0	2964.3	2998.1	2894.1	2865.5	2803.1	2868.1	2818.7
60°	2179.0	2210.2	2335.0	2644.4	2972.1	3167.1	3133.3	3091.7	3034.5	3094.3	3065.7
62.5°	2041.2	2062.0	2197.2	2550.8	3016.3	3289.3	3364.7	3333.5	3252.9	3304.9	3354.3
65°	1867.0	1869.6	2020.4	2384.4	2930.5	3359.5	3567.5	3564.9	3507.7	3494.7	3572.7
67.5°	1653.8	1674.6	1794.2	2207.6	2813.5	3437.5	3767.7	3806.8	3692.3	3590.9	3619.5
70°	1268.9	1289.7	1404.1	1809.8	2574.2	3414.1	4014.8	4035.6	3812.0	3554.5	3481.7
72.5°	660.5	665.7	782.7	1092.1	1825.4	3031.9	4105.8	4160.4	3843.2	3447.9	3104.7
75°	218.4	218.4	267.8	416.0	860.7	1939.8	3718.3	3817.2	3689.7	3182.7	2540.4
77.5°	130.0	132.6	158.6	208.0	343.2	774.9	2621.0	2795.3	3018.9	2706.9	1856.6
80°	93.6	96.2	119.6	143.0	205.4	249.6	1315.7	1557.5	1854.0	1742.2	990.7
82.5°	70.2	70.2	93.6	106.6	140.4	148.2	366.6	501.8	800.9	624.1	273.0
85°	72.8	72.8	72.8	75.4	96.2	85.8	153.4	163.8	234.0	205.4	75.4
87.5°	26.0	28.6	72.8	49.4	49.4	36.4	59.8	65.0	83.2	85.8	28.6
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°	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5	842.5
2.5°	845.1	845.1	847.7	847.7	852.9	858.1	865.9	860.7	860.7	863.3	860.7
5°	842.5	845.1	852.9	865.9	871.1	873.7	889.3	889.3	889.3	894.5	894.5
7.5°	852.9	858.1	871.1	884.1	886.7	894.5	915.3	920.5	933.5	938.7	941.3
10°	878.9	886.7	897.1	912.7	923.1	933.5	949.1	967.3	964.7	980.3	982.9
12.5°	917.9	915.3	933.5	949.1	959.5	975.1	980.3	980.3	980.3	980.3	985.5
15°	949.1	954.3	969.9	980.3	993.3	990.7	980.3	969.9	972.5	969.9	969.9
17.5°	995.9	995.9	1008.9	1011.5	1016.7	990.7	975.1	975.1	982.9	982.9	977.7
20°	1042.7	1040.1	1045.3	1042.7	1008.9	977.7	975.1	977.7	980.3	977.7	975.1
22.5°	1086.9	1081.7	1073.9	1063.5	1003.7	975.1	969.9	956.9	943.9	943.9	936.1
25°	1125.9	1120.7	1099.9	1068.7	1001.1	959.5	933.5	902.3	886.7	878.9	889.3
27.5°	1162.3	1151.9	1123.3	1068.7	977.7	917.9	868.5	829.5	816.5	806.1	816.5
30°	1211.7	1193.5	1154.5	1060.9	941.3	852.9	785.3	738.5	725.5	709.9	715.1
32.5°	1255.9	1214.3	1180.5	1037.5	894.5	780.1	702.1	655.3	631.9	618.9	629.3
35°	1302.7	1261.1	1190.9	1001.1	821.7	691.7	613.7	569.5	551.3	533.0	533.0
37.5°	1349.5	1326.1	1206.5	933.5	733.3	608.5	538.2	504.4	473.2	439.4	439.4
40°	1448.3	1417.1	1224.7	855.5	644.9	527.8	478.4	434.2	403.0	356.2	353.6
42.5°	1552.3	1484.7	1224.7	761.9	566.9	470.6	423.8	377.0	319.8	291.2	293.8
45°	1685.0	1606.9	1190.9	678.7	488.8	423.8	371.8	312.0	286.0	267.8	267.8
47.5°	1851.4	1729.2	1149.3	587.7	426.4	382.2	317.2	280.8	262.6	247.0	244.4
50°	2049.0	1841.0	1097.3	509.6	374.4	343.2	288.6	260.0	244.4	234.0	234.0
52.5°	2257.0	2004.8	1060.9	439.4	332.8	291.2	267.8	249.6	236.6	228.8	226.2
55°	2467.6	2168.6	1034.9	364.0	293.8	267.8	262.6	247.0	241.8	234.0	228.8
57.5°	2704.3	2303.8	1029.7	312.0	262.6	257.4	267.8	254.8	247.0	239.2	231.4
60°	2959.1	2485.8	982.9	270.4	247.0	252.2	260.0	247.0	241.8	234.0	228.8
62.5°	3211.3	2621.0	855.5	239.2	231.4	236.6	247.0	236.6	228.8	231.4	234.0
65°	3315.3	2631.4	663.1	215.8	213.2	215.8	231.4	228.8	221.0	236.6	236.6
67.5°	3211.3	2537.8	468.0	195.0	195.0	208.0	234.0	239.2	231.4	252.2	249.6
70°	2974.7	2306.4	317.2	182.0	187.2	221.0	241.8	236.6	226.2	252.2	247.0
72.5°	2524.8	1846.2	231.4	169.0	176.8	210.6	239.2	234.0	226.2	236.6	226.2
75°	1895.6	1313.1	182.0	153.4	156.0	189.8	247.0	234.0	213.2	208.0	200.2
77.5°	1266.3	811.3	140.4	135.2	135.2	166.4	236.6	218.4	192.4	184.6	182.0
80°	603.3	325.0	111.8	114.4	117.0	143.0	215.8	195.0	174.2	163.8	163.8
82.5°	192.4	122.2	93.6	93.6	93.6	117.0	179.4	163.8	150.8	143.0	130.0
85°	67.6	67.6	80.6	83.2	75.4	85.8	148.2	140.4	124.8	104.0	101.4
87.5°	26.0	39.0	54.6	65.0	46.8	59.8	106.6	98.8	91.0	67.6	65.0
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)