

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: P670821

Luminaire Tested: **CCP-SA-2B-740-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670821
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-740-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3
distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6977.9 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

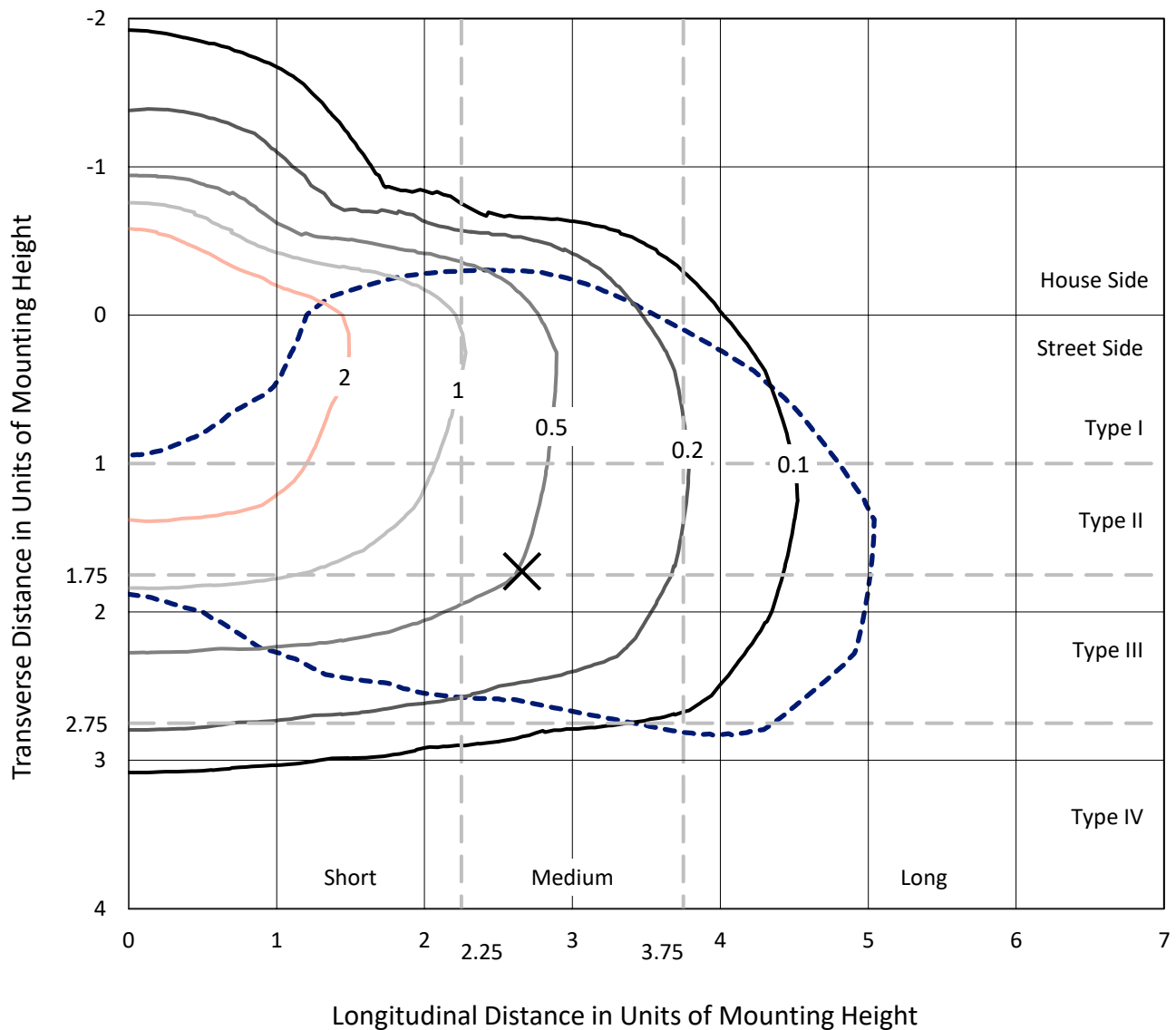
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

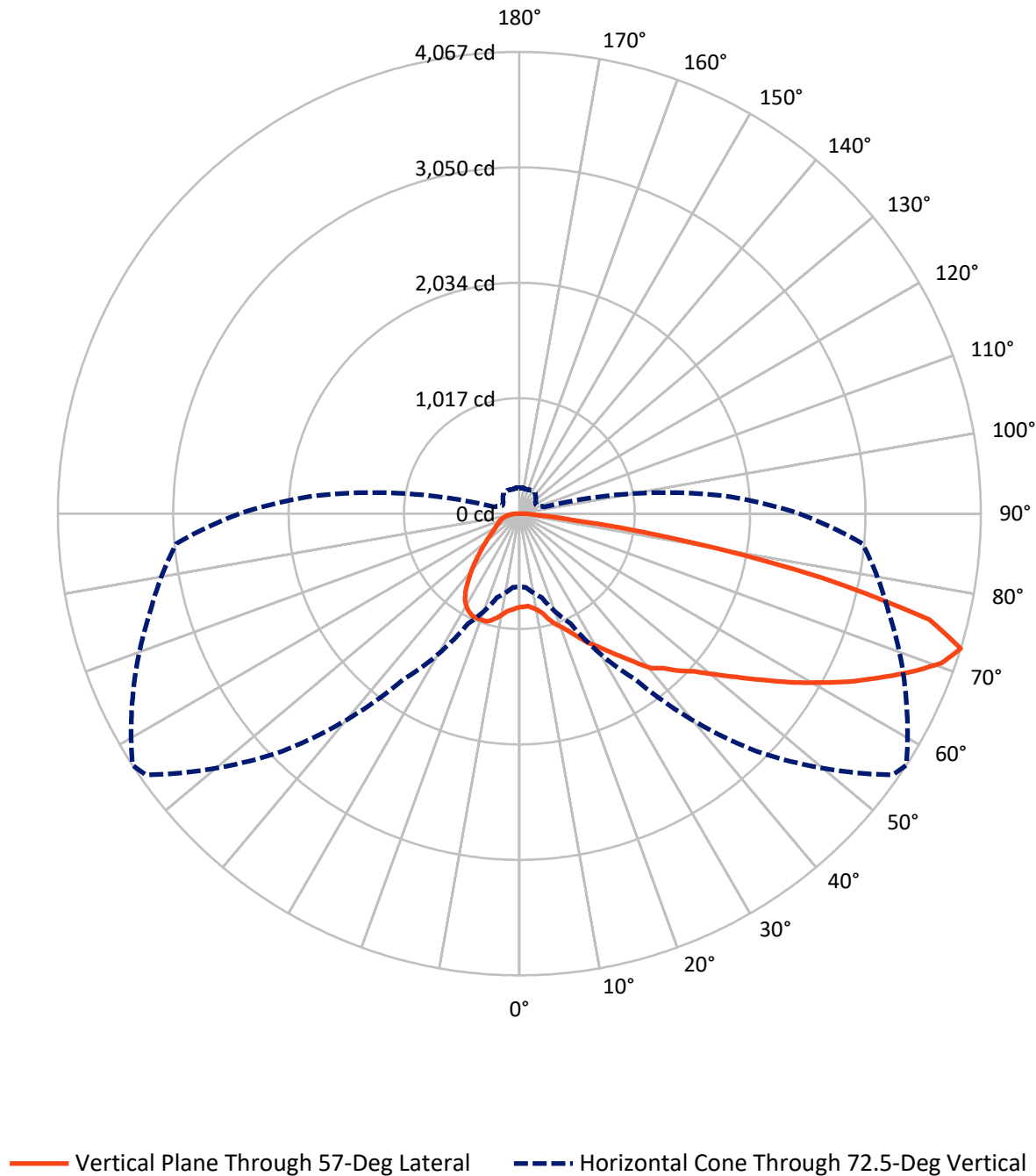
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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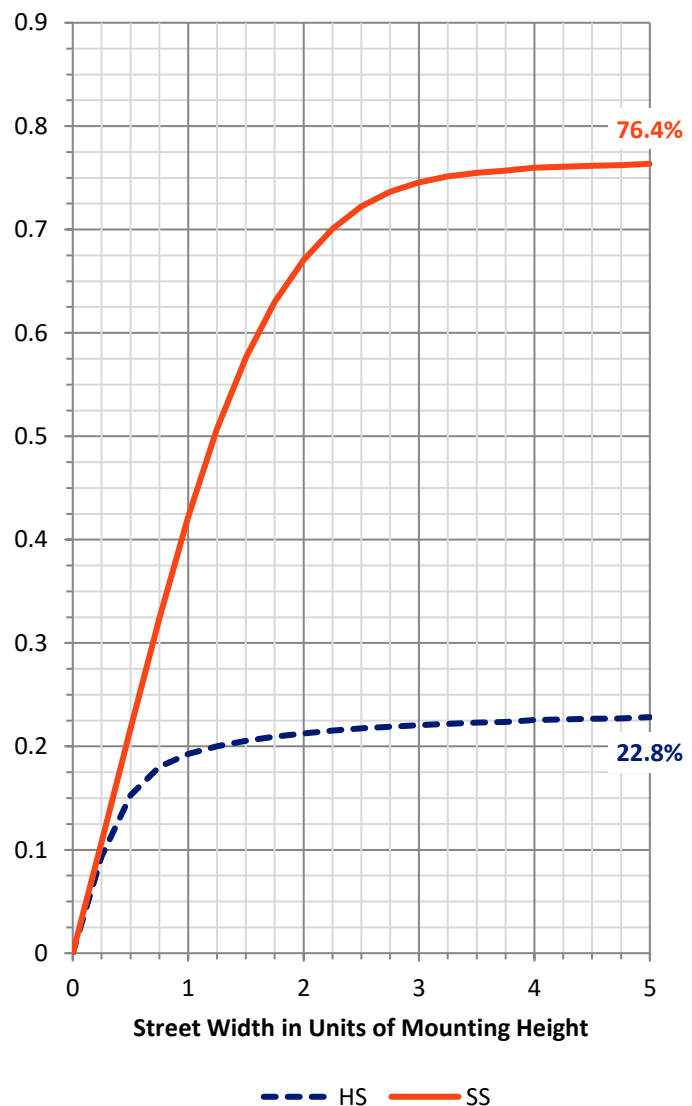
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1629.6	0.0	1629.6
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5348.3	0.0	5348.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	6977.9	0.0	6977.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	1.2
10°-20°	275.5	3.9
20°-30°	503.7	7.2
30°-40°	738.9	10.6
40°-50°	1017.4	14.6
50°-60°	1395.2	20.0
60°-70°	1681.8	24.1
70°-80°	1120.3	16.1
80°-90°	163.2	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°	6977.9	100.0
0°-180°	6977.9	100.0

Coefficient of Utilization



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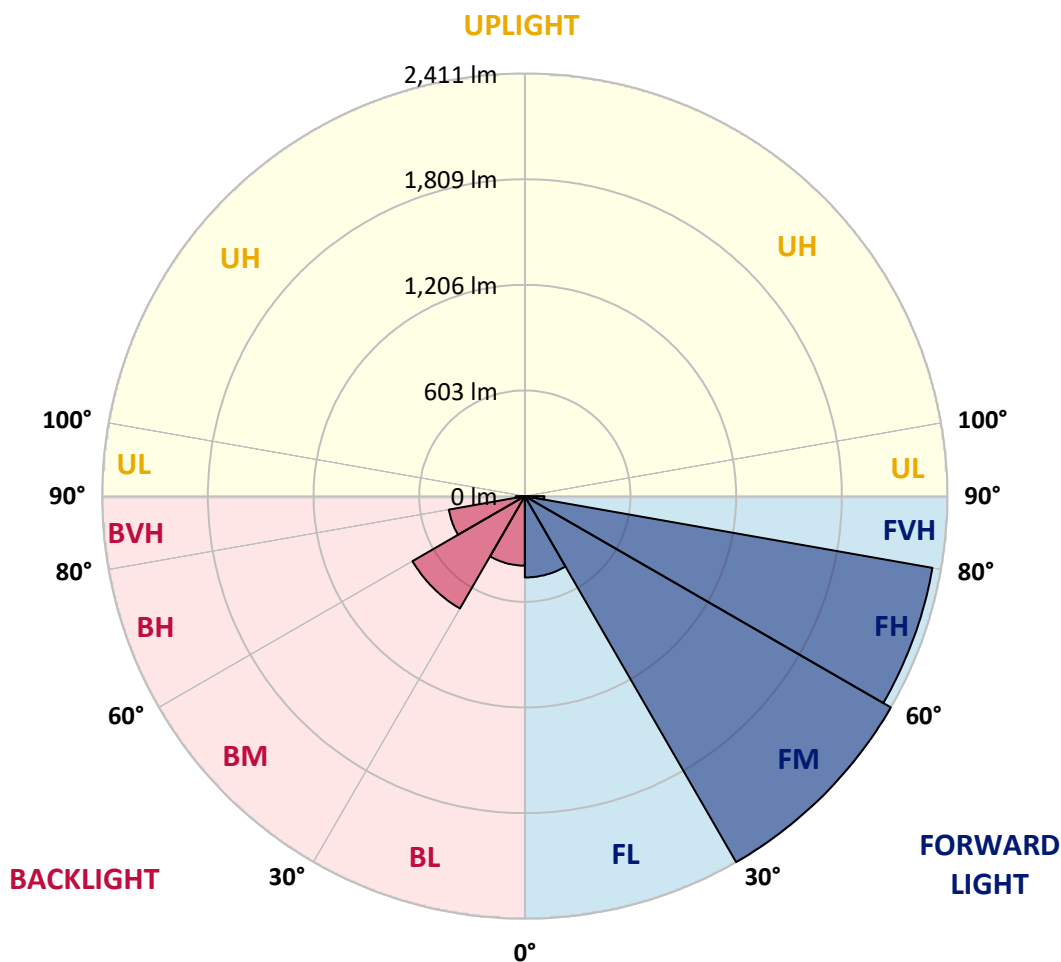
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.2	6.7			
FM	(30°-60°)	2411.4	34.6			
FH	(60°-80°)	2361.6	33.8			G2/5000
FVH	(80°-90°)	111.1	1.6			G2/225
BL	(0°-30°)	396.8	5.7	B1/500		
BM	(30°-60°)	740.2	10.6	B1/1000		
BH	(60°-80°)	440.6	6.3	B1/500		G1/500
BVH	(80°-90°)	52.1	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°	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6
2.5°	808.4	810.9	816.0	813.4	813.4	805.8	818.5	821.1	816.0	818.5	823.6
5°	808.4	813.4	821.1	816.0	818.5	816.0	810.9	818.5	818.5	821.1	828.7
7.5°	851.6	849.0	849.0	841.4	838.9	836.3	838.9	838.9	833.8	836.3	836.3
10°	899.9	899.9	894.8	894.8	889.7	877.0	864.3	861.7	854.1	856.7	856.7
12.5°	950.7	955.8	960.9	945.6	940.6	920.2	912.6	897.3	897.3	892.3	889.7
15°	1014.3	1006.6	1011.7	1006.6	993.9	973.6	960.9	963.4	945.6	940.6	932.9
17.5°	1070.2	1072.7	1065.1	1060.0	1037.1	1021.9	1024.4	1021.9	999.0	991.4	978.7
20°	1136.3	1133.7	1133.7	1118.5	1098.2	1077.8	1070.2	1067.7	1072.7	1057.5	1027.0
22.5°	1204.9	1194.8	1194.8	1182.0	1154.1	1141.4	1136.3	1126.1	1131.2	1118.5	1072.7
25°	1260.8	1260.8	1278.6	1253.2	1238.0	1212.5	1202.4	1204.9	1207.5	1182.0	1128.7
27.5°	1334.6	1321.9	1339.6	1326.9	1319.3	1291.4	1278.6	1286.3	1281.2	1253.2	1179.5
30°	1428.6	1431.2	1421.0	1403.2	1393.0	1372.7	1365.1	1357.4	1365.1	1329.5	1235.4
32.5°	1545.6	1553.2	1527.8	1507.4	1489.6	1469.3	1454.0	1446.4	1454.0	1400.7	1278.6
35°	1680.3	1687.9	1667.6	1644.7	1624.4	1573.5	1560.8	1548.1	1520.1	1433.7	1319.3
37.5°	1804.8	1794.7	1789.6	1789.6	1751.5	1677.7	1670.1	1662.5	1609.1	1499.8	1375.2
40°	1888.7	1901.4	1896.4	1891.3	1886.2	1817.6	1802.3	1789.6	1700.6	1598.9	1454.0
42.5°	1982.8	1975.2	1995.5	2003.1	1985.3	1965.0	1904.0	1860.8	1782.0	1700.6	1571.0
45°	2094.6	2089.5	2097.2	2125.1	2099.7	2107.3	2005.7	1975.2	1876.0	1827.7	1718.4
47.5°	2193.8	2206.5	2244.6	2252.2	2231.9	2267.5	2125.1	2076.8	2013.3	1975.2	1870.9
50°	2237.0	2252.2	2338.7	2392.0	2394.6	2450.5	2244.6	2224.3	2137.8	2153.1	2061.6
52.5°	2201.4	2249.7	2353.9	2493.7	2580.2	2636.1	2402.2	2392.0	2313.2	2361.5	2270.0
55°	2234.4	2280.2	2348.8	2544.6	2763.2	2775.9	2620.8	2582.7	2503.9	2570.0	2486.1
57.5°	2249.7	2224.3	2353.9	2600.5	2897.9	2931.0	2829.3	2801.3	2740.3	2803.9	2755.6
60°	2130.2	2160.7	2282.7	2585.2	2905.5	3096.2	3063.1	3022.5	2966.5	3025.0	2997.1
62.5°	1995.5	2015.8	2148.0	2493.7	2948.8	3215.7	3289.4	3258.9	3180.1	3230.9	3279.2
65°	1825.2	1827.7	1975.2	2331.0	2864.9	3284.3	3487.7	3485.1	3429.2	3416.5	3492.7
67.5°	1616.7	1637.1	1754.0	2158.2	2750.5	3360.6	3683.4	3721.5	3609.7	3510.5	3538.5
70°	1240.5	1260.8	1372.7	1769.3	2516.6	3337.7	3924.9	3945.2	3726.6	3475.0	3403.8
72.5°	645.7	650.8	765.2	1067.7	1784.5	2964.0	4013.9	4067.2	3757.1	3370.7	3035.2
75°	213.5	213.5	261.8	406.7	841.4	1896.4	3635.1	3731.7	3607.1	3111.4	2483.6
77.5°	127.1	129.6	155.1	203.4	335.5	757.5	2562.4	2732.7	2951.3	2646.3	1815.0
80°	91.5	94.1	116.9	139.8	200.8	244.0	1286.3	1522.7	1812.5	1703.2	968.5
82.5°	68.6	68.6	91.5	104.2	137.3	144.9	358.4	490.6	782.9	610.1	266.9
85°	71.2	71.2	71.2	73.7	94.1	83.9	150.0	160.1	228.8	200.8	73.7
87.5°	25.4	28.0	71.2	48.3	48.3	35.6	58.5	63.6	81.3	83.9	28.0
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°	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6
2.5°	826.2	826.2	828.7	828.7	833.8	838.9	846.5	841.4	841.4	844.0	841.4
5°	823.6	826.2	833.8	846.5	851.6	854.1	869.4	869.4	869.4	874.5	874.5
7.5°	833.8	838.9	851.6	864.3	866.8	874.5	894.8	899.9	912.6	917.7	920.2
10°	859.2	866.8	877.0	892.3	902.4	912.6	927.8	945.6	943.1	958.3	960.9
12.5°	897.3	894.8	912.6	927.8	938.0	953.3	958.3	958.3	958.3	958.3	963.4
15°	927.8	932.9	948.2	958.3	971.1	968.5	958.3	948.2	950.7	948.2	948.2
17.5°	973.6	973.6	986.3	988.8	993.9	968.5	953.3	953.3	960.9	960.9	955.8
20°	1019.4	1016.8	1021.9	1019.4	986.3	955.8	953.3	955.8	958.3	955.8	953.3
22.5°	1062.6	1057.5	1049.9	1039.7	981.2	953.3	948.2	935.5	922.8	922.8	915.1
25°	1100.7	1095.6	1075.3	1044.8	978.7	938.0	912.6	882.1	866.8	859.2	869.4
27.5°	1136.3	1126.1	1098.2	1044.8	955.8	897.3	849.0	810.9	798.2	788.0	798.2
30°	1184.6	1166.8	1128.7	1037.1	920.2	833.8	767.7	721.9	709.2	694.0	699.1
32.5°	1227.8	1187.1	1154.1	1014.3	874.5	762.6	686.3	640.6	617.7	605.0	615.2
35°	1273.6	1232.9	1164.2	978.7	803.3	676.2	599.9	556.7	538.9	521.1	521.1
37.5°	1319.3	1296.4	1179.5	912.6	716.9	594.8	526.2	493.2	462.6	429.6	429.6
40°	1415.9	1385.4	1197.3	836.3	630.4	516.0	467.7	424.5	394.0	348.3	345.7
42.5°	1517.6	1451.5	1197.3	744.8	554.2	460.1	414.4	368.6	312.7	284.7	287.2
45°	1647.2	1571.0	1164.2	663.5	477.9	414.4	363.5	305.0	279.6	261.8	261.8
47.5°	1809.9	1690.4	1123.6	574.5	416.9	373.7	310.1	274.5	256.7	241.5	239.0
50°	2003.1	1799.8	1072.7	498.2	366.1	335.5	282.2	254.2	239.0	228.8	228.8
52.5°	2206.5	1959.9	1037.1	429.6	325.4	284.7	261.8	244.0	231.3	223.7	221.2
55°	2412.4	2120.1	1011.7	355.9	287.2	261.8	256.7	241.5	236.4	228.8	223.7
57.5°	2643.7	2252.2	1006.6	305.0	256.7	251.7	261.8	249.1	241.5	233.9	226.2
60°	2892.8	2430.2	960.9	264.4	241.5	246.6	254.2	241.5	236.4	228.8	223.7
62.5°	3139.4	2562.4	836.3	233.9	226.2	231.3	241.5	231.3	223.7	226.2	228.8
65°	3241.1	2572.5	648.2	211.0	208.4	211.0	226.2	223.7	216.1	231.3	231.3
67.5°	3139.4	2481.0	457.6	190.7	190.7	203.4	228.8	233.9	226.2	246.6	244.0
70°	2908.1	2254.8	310.1	177.9	183.0	216.1	236.4	231.3	221.2	246.6	241.5
72.5°	2468.3	1804.8	226.2	165.2	172.9	205.9	233.9	228.8	221.2	231.3	221.2
75°	1853.1	1283.7	177.9	150.0	152.5	185.6	241.5	228.8	208.4	203.4	195.7
77.5°	1238.0	793.1	137.3	132.2	132.2	162.7	231.3	213.5	188.1	180.5	177.9
80°	589.8	317.8	109.3	111.8	114.4	139.8	211.0	190.7	170.3	160.1	160.1
82.5°	188.1	119.5	91.5	91.5	91.5	114.4	175.4	160.1	147.4	139.8	127.1
85°	66.1	66.1	78.8	81.3	73.7	83.9	144.9	137.3	122.0	101.7	99.1
87.5°	25.4	38.1	53.4	63.6	45.8	58.5	104.2	96.6	89.0	66.1	63.6
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)