

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: P671981

Luminaire Tested: **CCP-SA-1E-750-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671981
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-750-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL
distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7057.6 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

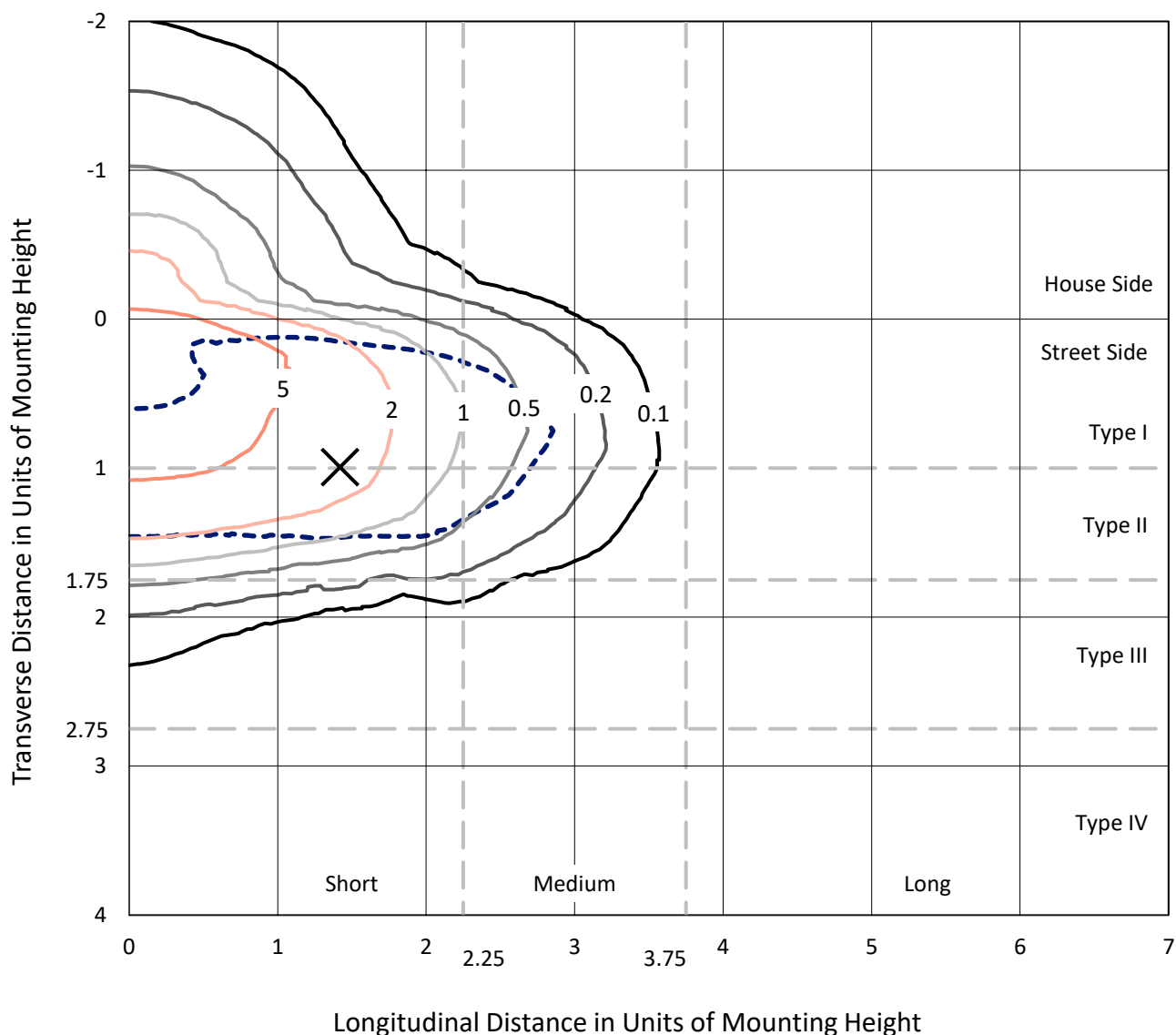
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

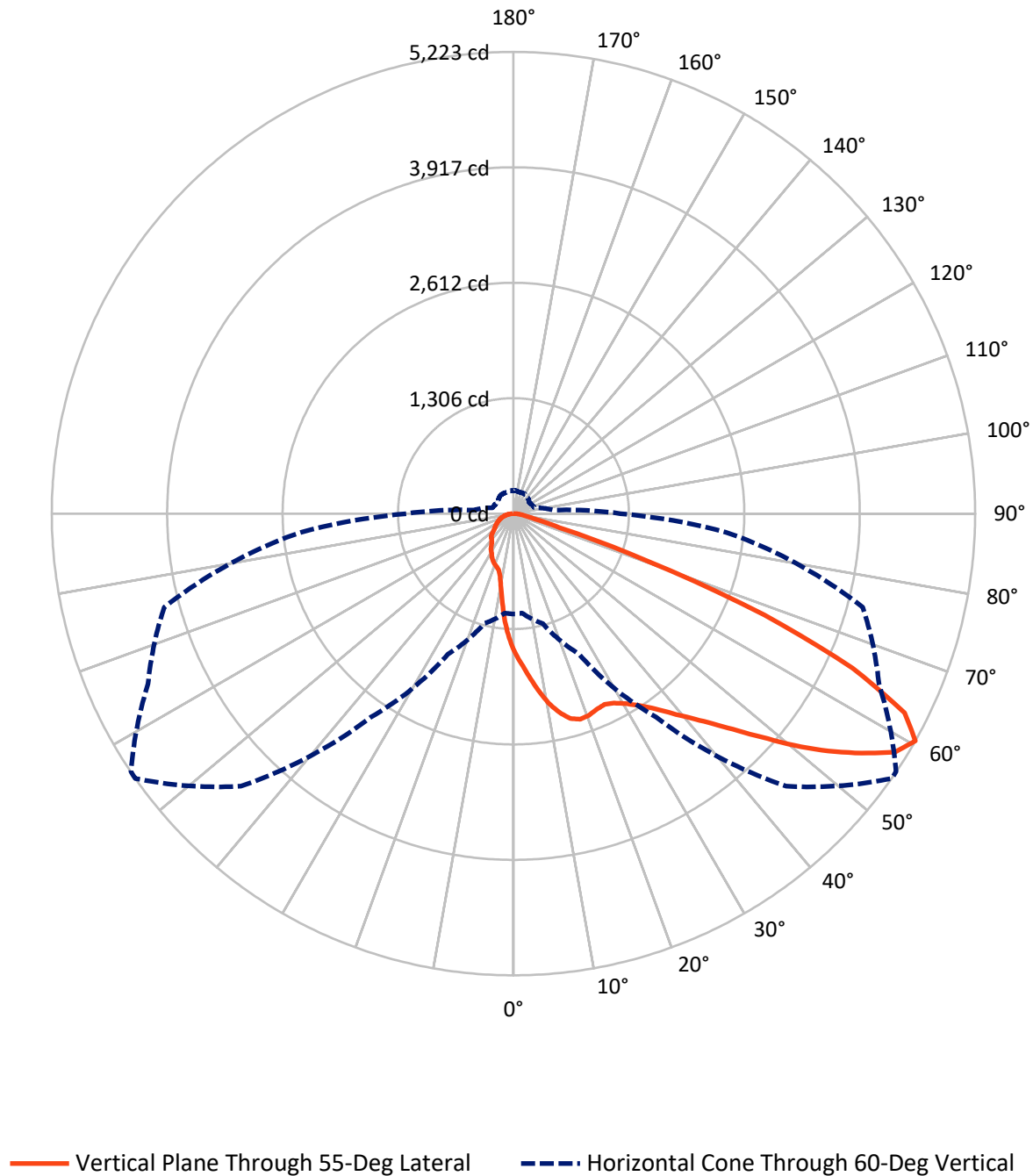


Based on 15 foot mounting height. Maximum calculated value = 9.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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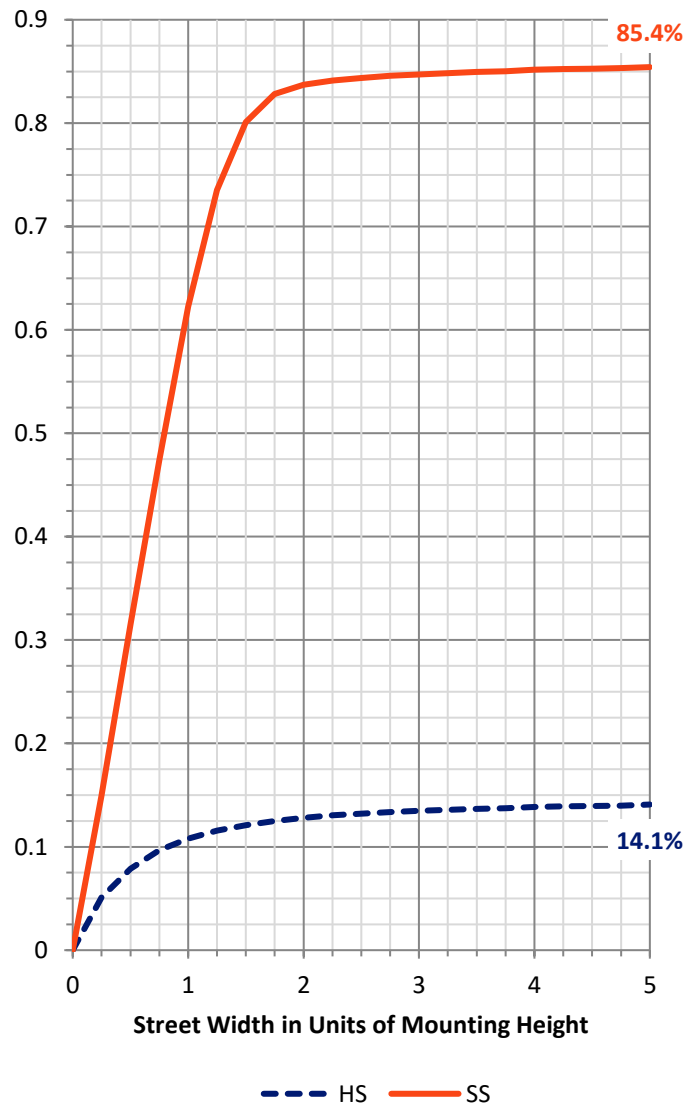
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1014.5	0.0	1014.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6043.0	0.0	6043.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	7057.6	0.0	7057.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	2.1
10°-20°	415.0	5.9
20°-30°	675.7	9.6
30°-40°	1009.9	14.3
40°-50°	1484.3	21.0
50°-60°	1739.7	24.6
60°-70°	1147.0	16.3
70°-80°	365.2	5.2
80°-90°	74.3	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°	7057.6	100.0
0°-180°	7057.6	100.0

Coefficient of Utilization



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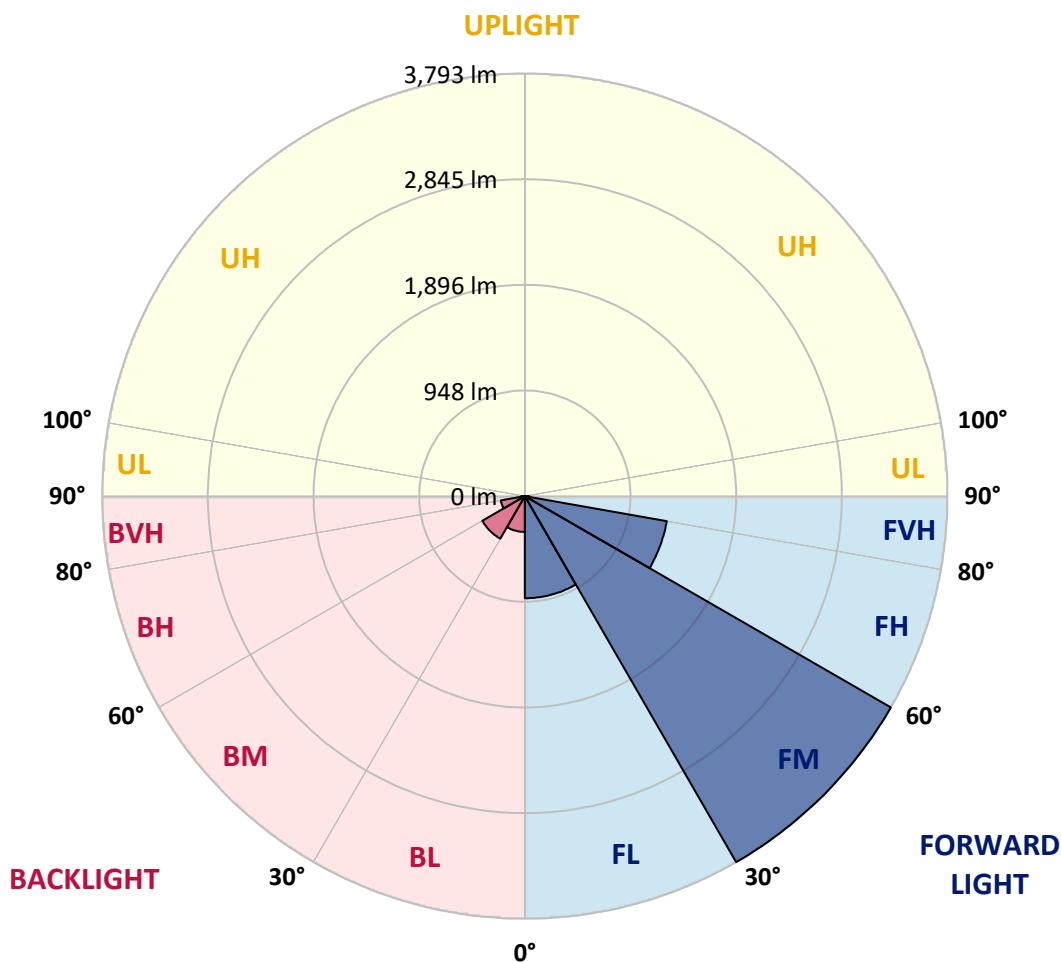
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	916.0	13.0			
FM	(30°-60°)	3792.9	53.7			
FH	(60°-80°)	1293.4	18.3			G1/1800
FVH	(80°-90°)	40.7	0.6			G1/100
BL	(0°-30°)	321.1	4.6	B1/500		
BM	(30°-60°)	441.0	6.2	B1/1000		
BH	(60°-80°)	218.9	3.1	B1/500		G1/500
BVH	(80°-90°)	33.5	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2
2.5°	1821.5	1814.8	1814.8	1798.0	1772.9	1738.1	1696.7	1686.4	1670.6	1630.2	1578.0
5°	2099.2	2092.1	2082.4	2052.7	2006.1	1936.6	1849.1	1833.2	1776.5	1693.1	1599.0
7.5°	2282.9	2278.8	2275.7	2250.1	2204.1	2135.5	2018.4	2000.5	1904.3	1766.2	1618.9
10°	2263.9	2276.2	2297.7	2315.6	2324.8	2289.5	2179.5	2158.6	2039.4	1851.2	1648.6
12.5°	2086.4	2103.8	2143.7	2216.9	2301.3	2369.3	2306.9	2295.1	2183.6	1941.2	1685.9
15°	1954.5	1961.6	1981.1	2035.3	2161.1	2342.7	2405.6	2394.9	2318.2	2056.8	1728.9
17.5°	1913.6	1916.6	1921.2	1939.1	2025.1	2238.9	2446.0	2456.3	2448.6	2177.0	1777.5
20°	1934.0	1936.1	1936.6	1939.6	1980.6	2151.9	2435.3	2452.7	2563.2	2297.2	1825.6
22.5°	2012.8	2010.2	2006.6	1994.9	2017.9	2136.6	2406.6	2434.3	2651.7	2406.6	1870.1
25°	2150.4	2146.8	2121.7	2097.2	2106.9	2191.8	2391.3	2421.0	2720.7	2510.0	1902.8
27.5°	2314.1	2310.5	2284.9	2238.4	2228.1	2283.9	2427.1	2445.5	2771.4	2601.5	1917.1
30°	2483.9	2483.9	2452.2	2398.5	2365.7	2389.3	2493.1	2507.9	2809.7	2690.0	1926.3
32.5°	2669.1	2674.2	2625.1	2563.7	2527.4	2513.6	2585.7	2598.5	2865.5	2794.4	1945.8
35°	2906.9	2895.7	2835.8	2755.0	2696.7	2665.5	2700.3	2715.1	2947.3	2924.3	1977.0
37.5°	3174.4	3154.5	3080.8	2984.1	2882.4	2830.2	2853.2	2856.8	3068.5	3093.6	2033.8
40°	3395.4	3391.8	3329.4	3237.9	3109.5	3039.4	3028.1	3030.2	3236.8	3294.1	2119.7
42.5°	3581.6	3568.3	3557.0	3524.8	3388.7	3273.7	3227.6	3228.1	3419.4	3501.3	2206.1
45°	3663.9	3661.4	3694.6	3777.5	3679.8	3544.2	3478.8	3488.0	3628.6	3714.1	2289.5
47.5°	3628.6	3630.7	3719.7	3937.1	3994.9	3891.0	3774.9	3769.3	3831.2	3877.2	2363.2
50°	3313.6	3346.8	3587.7	3951.9	4201.5	4253.2	4122.2	4101.3	4008.7	4007.2	2408.2
52.5°	3075.7	3074.2	3222.0	3801.0	4274.7	4580.1	4462.4	4415.3	4155.5	4080.3	2411.8
55°	2754.5	2752.4	2862.4	3359.6	4129.4	4808.2	4783.1	4724.3	4290.0	4104.3	2387.2
57.5°	2085.9	2124.8	2234.3	2689.5	3669.1	4771.9	5089.5	5040.4	4421.5	4093.6	2382.6
60°	1135.0	1130.4	1289.0	1752.9	2809.2	4359.6	5223.0	5220.5	4561.1	4089.5	2410.7
62.5°	523.3	518.2	549.9	780.6	1610.7	3492.6	4965.2	5002.0	4690.5	4052.2	2408.2
65°	391.3	378.0	335.0	363.2	616.4	2084.9	4217.4	4315.6	4491.0	3898.7	2296.7
67.5°	348.8	336.1	285.9	268.0	309.5	735.5	3059.3	3149.9	3755.5	3611.3	2116.1
70°	319.7	308.4	258.3	230.2	232.2	325.8	1601.5	1779.5	2752.4	3013.8	1803.6
72.5°	291.6	281.8	236.3	202.6	195.4	215.3	545.8	658.3	1712.0	2196.4	1344.8
75°	261.9	252.7	212.8	181.6	167.8	159.6	259.8	279.8	905.4	1212.8	721.7
77.5°	227.6	222.5	189.8	160.1	148.3	120.7	172.9	181.6	387.7	476.2	343.7
80°	198.0	193.9	169.3	145.3	133.0	93.1	119.2	125.3	191.3	237.9	192.3
82.5°	128.9	139.1	140.2	124.8	117.1	74.7	78.8	83.4	126.9	140.2	83.9
85°	53.2	64.5	96.7	85.9	81.3	63.4	52.2	53.2	77.7	81.8	30.2
87.5°	24.0	26.6	47.6	48.1	41.9	24.0	26.1	28.6	39.9	39.4	13.3
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°	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2	1565.2
2.5°	1563.7	1540.2	1498.2	1444.5	1406.1	1378.0	1347.3	1324.8	1299.7	1277.7	1281.3
5°	1560.1	1514.6	1420.5	1320.7	1223.5	1143.7	1077.2	1028.1	977.5	957.5	955.0
7.5°	1563.2	1485.9	1331.5	1168.3	1020.5	918.7	841.4	794.9	765.7	748.8	749.9
10°	1562.1	1458.8	1235.3	1010.2	848.6	755.5	708.4	693.1	690.5	692.6	695.7
12.5°	1563.7	1422.0	1127.4	868.0	725.3	677.7	679.8	693.6	702.3	707.9	711.5
15°	1570.3	1391.8	1016.9	756.0	660.9	662.4	684.4	705.9	718.7	724.8	727.9
17.5°	1580.1	1354.0	918.7	671.1	633.8	657.3	685.9	709.0	718.7	722.3	724.8
20°	1581.1	1310.5	819.4	612.8	615.9	646.5	671.6	690.0	702.3	706.4	708.4
22.5°	1576.5	1251.7	717.6	570.3	595.4	626.1	647.6	668.5	652.2	638.9	635.3
25°	1557.0	1177.5	630.7	535.5	569.8	598.5	623.0	600.0	592.3	582.1	583.1
27.5°	1515.1	1084.9	548.8	502.8	539.6	580.6	562.7	559.6	549.9	539.6	539.6
30°	1459.8	987.2	480.3	468.5	503.3	523.8	527.9	523.3	517.6	504.3	505.4
32.5°	1410.2	883.9	431.7	439.9	480.3	480.3	498.2	498.2	477.7	440.4	440.4
35°	1361.1	786.7	395.9	415.9	442.5	451.2	475.7	443.5	414.3	397.4	396.4
37.5°	1322.8	703.8	372.4	395.4	405.6	427.6	428.1	404.6	394.9	379.5	378.0
40°	1300.3	634.3	358.1	385.2	386.2	406.6	372.9	379.5	377.5	365.7	364.2
42.5°	1288.0	580.6	347.3	376.5	371.4	351.4	345.3	356.5	360.1	354.0	351.4
45°	1278.3	538.6	338.6	346.3	359.6	323.3	320.7	329.4	337.1	336.6	334.5
47.5°	1273.1	509.5	330.9	327.4	329.9	306.4	301.3	305.4	315.1	321.2	320.7
50°	1253.2	487.0	319.7	307.9	291.6	291.6	289.0	289.0	300.8	313.0	314.1
52.5°	1217.9	460.4	303.3	289.5	270.6	278.8	279.8	277.7	290.0	303.3	304.3
55°	1179.0	440.4	281.3	272.6	253.2	267.0	271.6	269.6	277.7	287.0	286.4
57.5°	1179.5	439.9	262.4	255.8	236.8	252.2	263.4	263.9	263.4	270.1	270.1
60°	1209.2	450.1	247.6	233.2	217.9	236.3	254.7	254.7	251.2	260.9	261.9
62.5°	1217.9	449.1	238.4	211.8	201.0	222.0	241.9	245.0	242.5	256.3	257.8
65°	1141.2	425.1	229.2	192.3	185.7	206.1	226.1	234.8	232.2	250.1	252.2
67.5°	1034.8	393.9	214.8	174.9	169.8	190.8	209.7	218.9	218.4	241.9	243.0
70°	892.1	355.5	196.9	157.0	154.5	172.9	189.8	199.5	204.1	231.2	230.7
72.5°	691.0	304.9	169.8	138.1	137.6	154.5	169.3	180.1	188.7	214.8	214.8
75°	445.5	239.9	138.6	119.7	117.6	133.5	148.8	161.1	187.7	229.2	228.6
77.5°	272.1	183.1	111.5	99.7	99.2	113.6	128.9	149.9	205.1	204.1	198.5
80°	163.2	131.5	89.0	79.8	79.8	93.1	110.0	160.6	170.3	194.4	183.6
82.5°	84.9	80.8	66.5	58.8	61.4	73.1	100.3	128.4	139.1	118.2	108.4
85°	34.8	43.0	40.9	37.3	38.9	50.6	96.7	102.8	82.4	86.4	87.0
87.5°	11.8	18.9	18.9	14.8	16.4	35.8	57.3	34.3	41.4	24.6	18.4
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)