

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: STREETWORKS

Report Number: P200628

Luminaire Tested: **GAW-AF-02-LED-E1-SL4-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24294)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAW-AF-02-LED-E1-SL4-8030-600
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6345 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
Input Voltage (V): NR
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: 28.75 FT



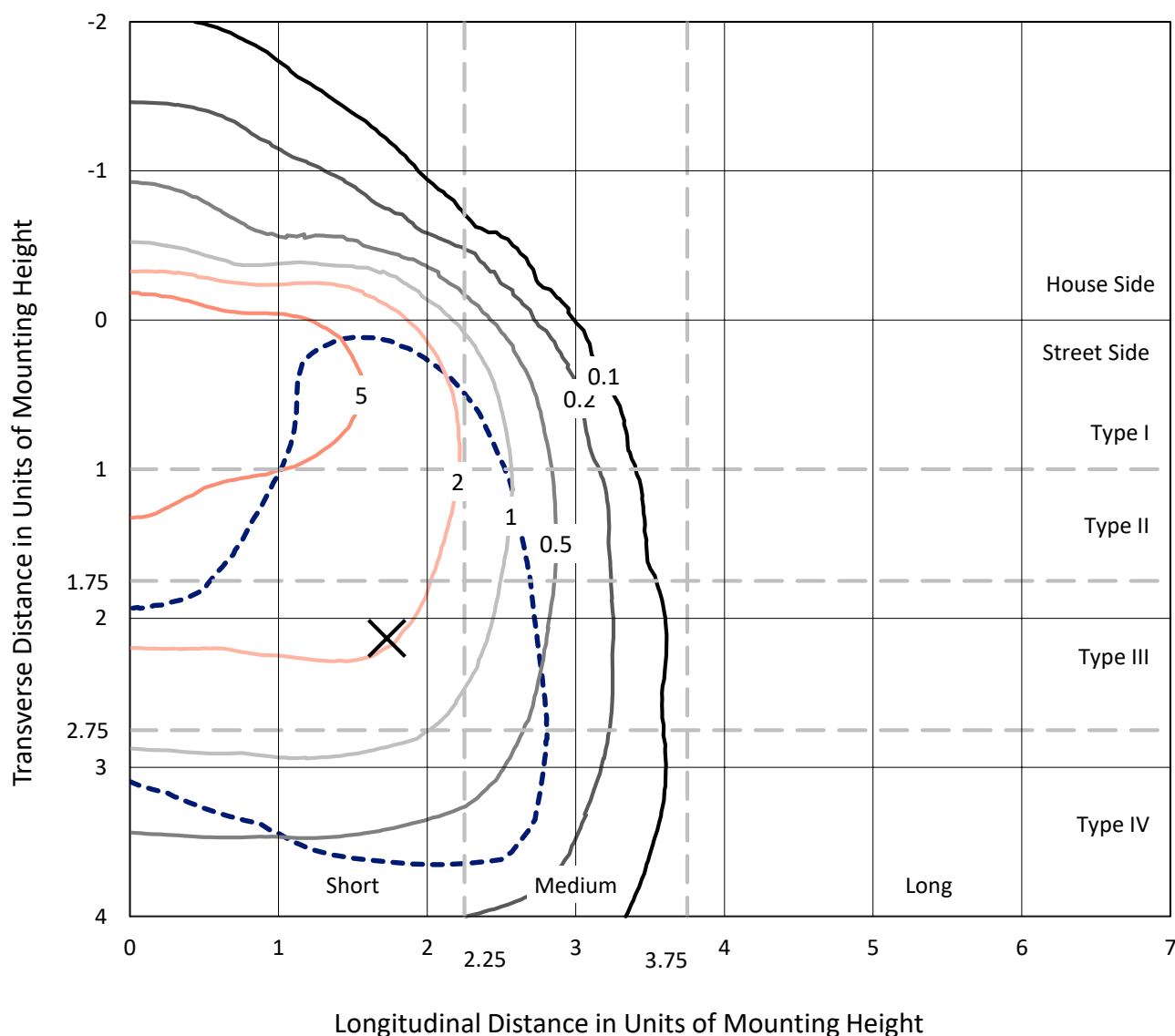
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

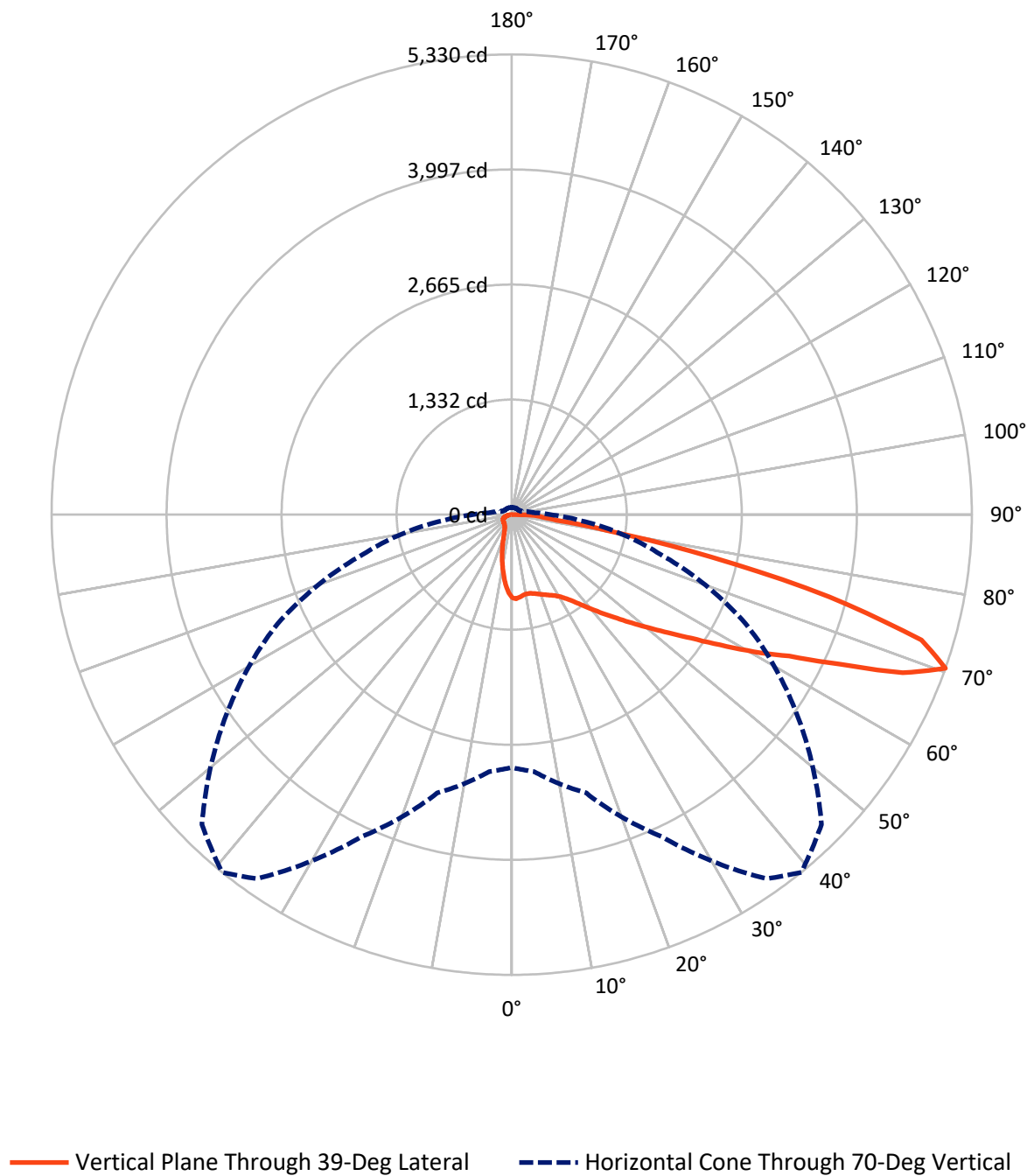


Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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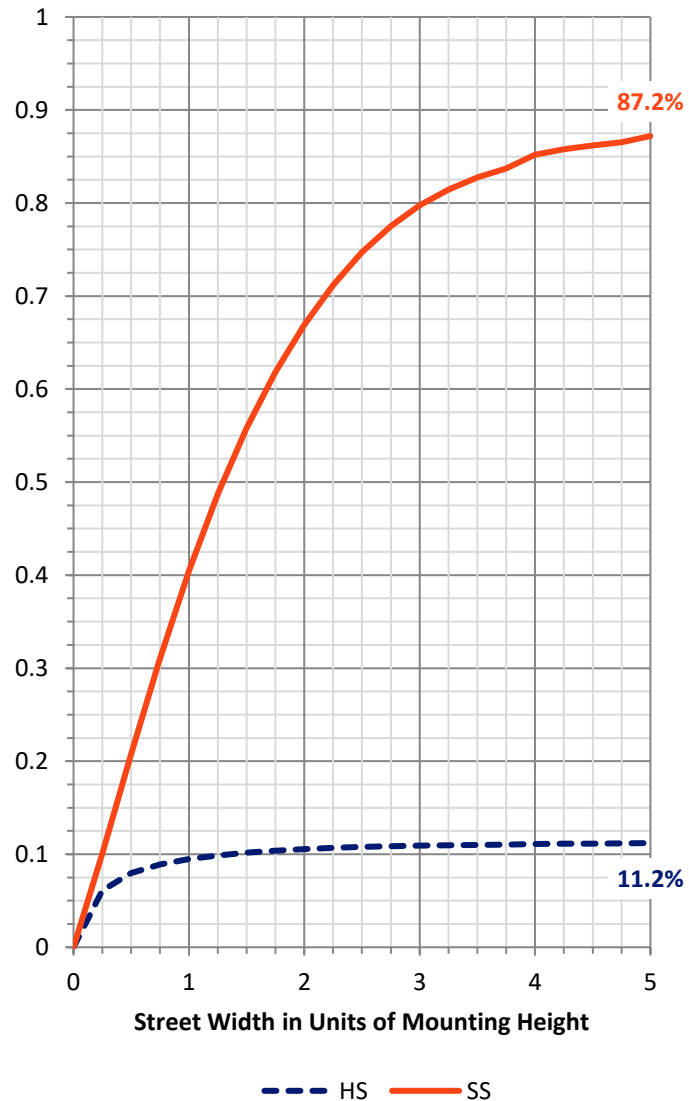
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	721.7	0.0	721.7
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	5623.4	0.0	5623.4
	% Fixture	88.6	0.0	88.6
Total	Lumens	6345.0	0.0	6345.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	1.3
10°-20°	206.6	3.3
20°-30°	321.7	5.1
30°-40°	501.2	7.9
40°-50°	841.4	13.3
50°-60°	1336.7	21.1
60°-70°	1783.0	28.1
70°-80°	1076.7	17.0
80°-90°	194.9	3.1
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°	6345.0	100.0
0°-180°	6345.0	100.0

Coefficient of Utilization



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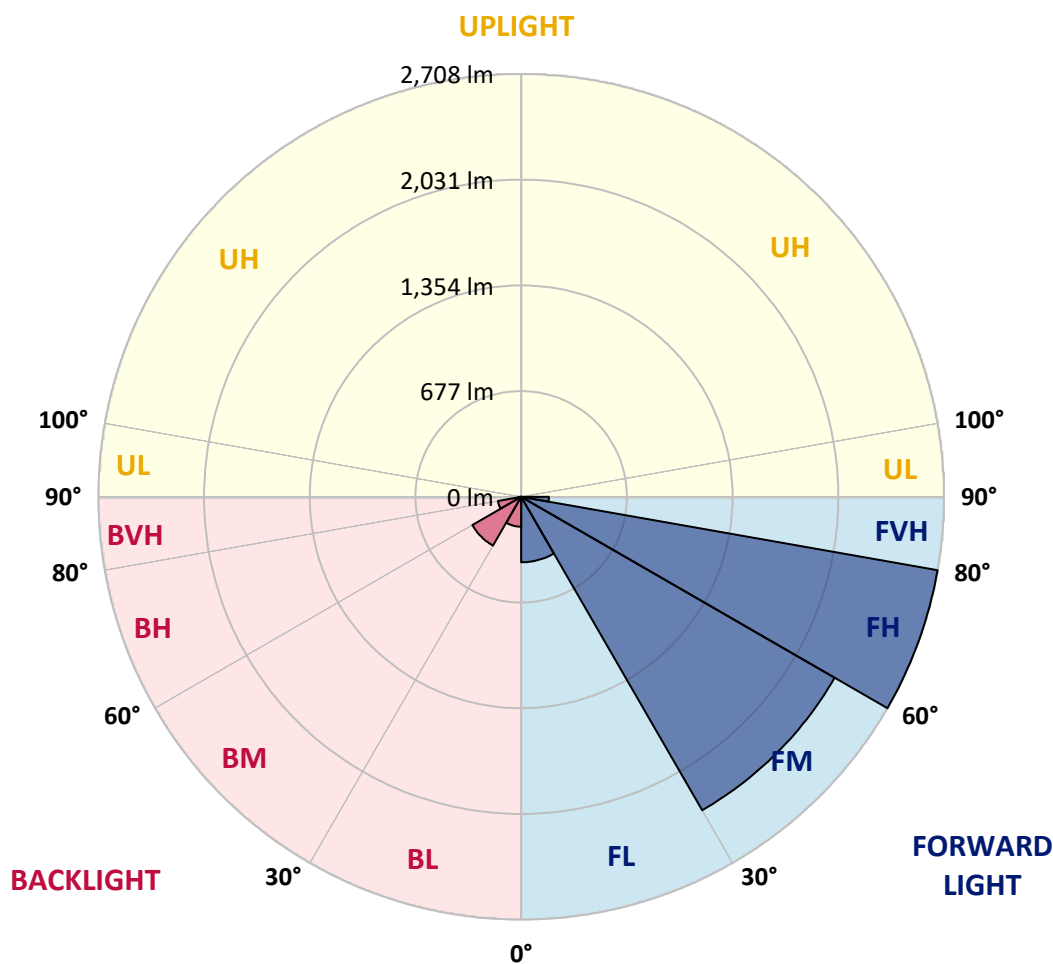
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	419.6	6.6			
FM	(30°-60°)	2318.2	36.5			
FH	(60°-80°)	2708.2	42.7			G2/5000
FVH	(80°-90°)	177.3	2.8			G2/225
BL	(0°-30°)	191.4	3.0	B1/500		
BM	(30°-60°)	361.1	5.7	B1/1000		
BH	(60°-80°)	151.5	2.4	B1/500		G1/500
BVH	(80°-90°)	17.6	0.3			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
2.5°	982.0	981.7	979.1	977.1	975.5	974.9	976.2	971.3	967.1	962.0	956.5
5°	974.6	974.2	970.0	966.2	962.3	961.0	960.7	952.0	946.8	939.1	928.8
7.5°	966.5	964.9	959.4	952.9	946.2	942.9	939.7	928.4	922.6	914.9	902.9
10°	958.1	956.2	951.0	944.6	938.1	933.3	927.8	916.8	910.7	904.9	891.0
12.5°	949.4	947.8	946.5	943.6	939.1	934.9	930.7	921.3	914.9	908.1	892.0
15°	948.1	947.5	950.4	952.3	949.7	947.1	942.6	934.6	927.8	921.0	900.0
17.5°	958.4	958.1	965.5	970.7	969.4	964.9	958.8	949.7	944.2	938.4	912.3
20°	981.0	982.6	991.7	998.4	992.0	985.5	975.5	962.9	960.0	957.5	924.9
22.5°	1023.6	1025.2	1031.7	1034.2	1017.5	1008.1	994.2	978.1	976.2	978.1	940.0
25°	1090.0	1088.4	1087.5	1077.8	1047.1	1032.6	1014.9	998.1	999.1	1007.8	961.3
27.5°	1178.1	1169.4	1155.9	1126.8	1078.1	1062.0	1040.4	1024.9	1031.0	1047.8	993.3
30°	1269.4	1259.7	1228.4	1181.0	1118.8	1101.0	1076.8	1059.4	1075.5	1102.0	1035.9
32.5°	1353.9	1352.6	1306.8	1245.9	1174.9	1159.4	1135.2	1115.5	1141.7	1182.0	1099.7
35°	1446.2	1449.1	1394.3	1321.0	1250.7	1234.6	1217.2	1202.3	1237.2	1292.6	1192.3
37.5°	1544.9	1550.7	1485.9	1403.3	1337.2	1330.4	1320.1	1313.6	1367.5	1444.3	1321.7
40°	1676.8	1671.0	1581.0	1496.2	1443.3	1443.0	1439.7	1447.5	1537.2	1642.3	1487.8
42.5°	1818.1	1801.0	1682.0	1595.9	1559.7	1570.7	1577.2	1608.8	1741.4	1883.0	1690.4
45°	1970.4	1932.0	1786.9	1701.4	1689.1	1712.3	1734.3	1803.0	1981.7	2156.9	1912.3
47.5°	2092.0	2054.9	1895.2	1812.0	1838.8	1874.0	1916.2	2024.9	2250.7	2439.8	2131.4
50°	2187.8	2163.6	2004.6	1941.1	2003.6	2057.8	2126.9	2276.2	2530.8	2715.3	2334.3
52.5°	2280.7	2262.7	2114.9	2073.3	2197.2	2272.0	2365.9	2545.9	2817.9	2986.3	2505.0
55°	2364.6	2351.7	2233.6	2238.2	2424.9	2522.4	2640.4	2853.0	3130.8	3227.9	2649.5
57.5°	2459.1	2442.7	2369.1	2444.9	2717.5	2844.0	2997.6	3198.2	3424.3	3442.7	2759.5
60°	2554.3	2540.1	2519.5	2683.7	3089.2	3222.1	3367.6	3532.7	3722.1	3609.5	2753.0
62.5°	2636.9	2638.5	2675.0	2934.3	3453.1	3606.9	3784.4	3947.6	3991.5	3638.6	2549.5
65°	2776.9	2802.4	2911.1	3289.2	3965.3	4171.2	4388.9	4362.8	4066.0	3367.2	2113.0
67.5°	2943.4	2988.2	3208.5	3762.1	4612.8	4886.0	4970.2	4456.7	3767.6	2737.2	1506.2
70°	2926.6	2988.2	3336.9	4114.7	5146.4	5329.6	5074.1	4033.4	2991.7	1788.1	800.0
72.5°	2598.8	2686.9	3075.3	3953.1	4978.3	4962.2	4405.0	3006.9	1777.5	718.1	312.6
75°	1980.7	2069.8	2404.0	3123.0	3934.7	3799.2	3125.6	1661.0	674.5	285.2	197.1
77.5°	1139.4	1208.4	1466.5	1915.2	2496.2	2357.2	1739.8	738.7	328.4	198.7	153.9
80°	636.2	674.5	831.3	971.7	1223.3	1121.3	778.4	459.1	245.2	144.2	118.7
82.5°	502.9	537.1	672.3	612.9	558.7	515.5	447.1	408.7	195.8	91.0	71.0
85°	439.4	472.0	569.1	482.6	381.6	350.0	363.2	402.3	152.3	54.8	60.6
87.5°	407.1	450.7	507.1	372.0	297.1	263.2	335.2	441.0	49.0	34.2	24.5
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°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
2.5°	951.7	946.5	938.1	930.7	919.1	912.9	906.2	901.3	897.5	894.2	899.4
5°	922.3	912.6	894.9	875.8	853.3	835.5	820.7	806.8	797.1	790.7	795.2
7.5°	894.6	878.7	851.0	816.5	777.8	744.9	717.8	693.9	677.4	666.8	671.0
10°	878.7	859.1	816.2	762.0	704.9	653.6	611.0	574.2	548.7	534.2	536.5
12.5°	874.9	849.4	790.0	715.5	637.4	566.2	506.2	455.2	419.4	400.7	401.3
15°	877.8	845.2	765.5	671.0	572.3	482.3	407.4	345.5	303.9	282.6	282.3
17.5°	882.6	842.0	739.7	622.9	506.2	401.6	318.1	257.4	220.7	203.6	202.3
20°	887.8	836.8	710.7	571.0	437.4	326.8	249.0	201.6	178.4	169.0	168.4
22.5°	895.2	832.3	680.7	516.2	370.0	266.1	204.8	172.9	160.7	155.8	155.2
25°	907.1	830.0	648.7	459.1	309.4	222.6	178.4	158.7	151.6	148.4	148.1
27.5°	927.1	833.3	618.7	403.6	260.0	193.2	163.6	151.6	146.5	143.6	143.2
30°	952.9	843.3	587.1	351.0	221.6	173.2	154.5	146.8	142.6	139.7	139.7
32.5°	995.9	860.0	553.9	305.5	194.2	159.4	147.7	142.6	139.0	136.8	136.5
35°	1059.1	891.7	522.9	267.8	174.5	149.4	141.9	138.1	135.5	134.2	134.2
37.5°	1151.0	941.7	495.5	240.7	162.6	142.6	136.5	133.6	131.9	131.9	131.9
40°	1274.6	1010.7	473.2	222.6	155.8	137.7	132.3	130.0	129.0	129.4	129.4
42.5°	1427.2	1100.4	458.4	210.0	152.6	134.8	129.4	127.4	126.5	126.1	126.5
45°	1601.0	1202.3	456.8	200.7	149.4	132.9	127.4	125.5	123.6	122.3	122.3
47.5°	1770.1	1305.9	470.0	197.4	145.8	130.7	125.8	123.9	121.0	118.1	118.1
50°	1919.4	1393.9	487.8	198.7	144.5	127.4	123.2	122.3	117.7	114.5	114.2
52.5°	2038.2	1461.7	502.3	202.6	145.8	125.2	120.0	120.3	115.5	111.9	111.6
55°	2133.3	1506.2	498.4	206.5	148.7	123.9	117.1	117.7	113.9	110.3	110.3
57.5°	2174.9	1489.7	455.5	203.2	151.0	124.2	114.8	117.4	114.2	111.0	111.0
60°	2085.6	1343.6	375.2	189.0	148.1	123.2	113.9	118.7	118.4	115.2	114.8
62.5°	1815.2	1082.0	291.0	168.1	138.1	118.4	111.3	118.4	121.9	121.0	120.7
65°	1399.1	770.7	222.3	145.5	124.5	110.3	104.5	111.0	115.8	117.1	116.8
67.5°	908.1	472.3	171.3	124.2	109.4	101.0	95.8	98.7	99.7	99.7	99.0
70°	446.5	254.2	136.5	104.5	93.9	91.0	88.1	86.5	84.8	83.6	83.6
72.5°	220.3	166.1	112.3	88.4	81.0	79.7	79.0	77.1	75.8	74.2	73.6
75°	162.9	135.2	95.5	74.5	69.7	68.4	69.7	68.1	67.7	66.5	65.8
77.5°	133.9	115.2	82.3	63.9	59.7	57.4	59.4	59.7	60.0	58.1	57.4
80°	108.7	97.4	68.7	52.9	49.0	47.4	48.7	51.3	51.9	49.0	47.7
82.5°	78.4	79.7	55.5	41.3	38.1	36.8	39.4	42.6	43.2	39.0	38.1
85°	65.8	66.5	42.6	29.4	26.1	24.2	28.4	31.6	33.9	29.7	28.7
87.5°	27.4	39.0	24.5	16.5	14.5	12.6	15.2	16.8	20.3	18.7	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)