

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: P200633

Luminaire Tested: **GAW-AF-01-LED-E1-SL4-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200633
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-01-LED-E1-SL4-8030-1200
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE 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: 5407 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

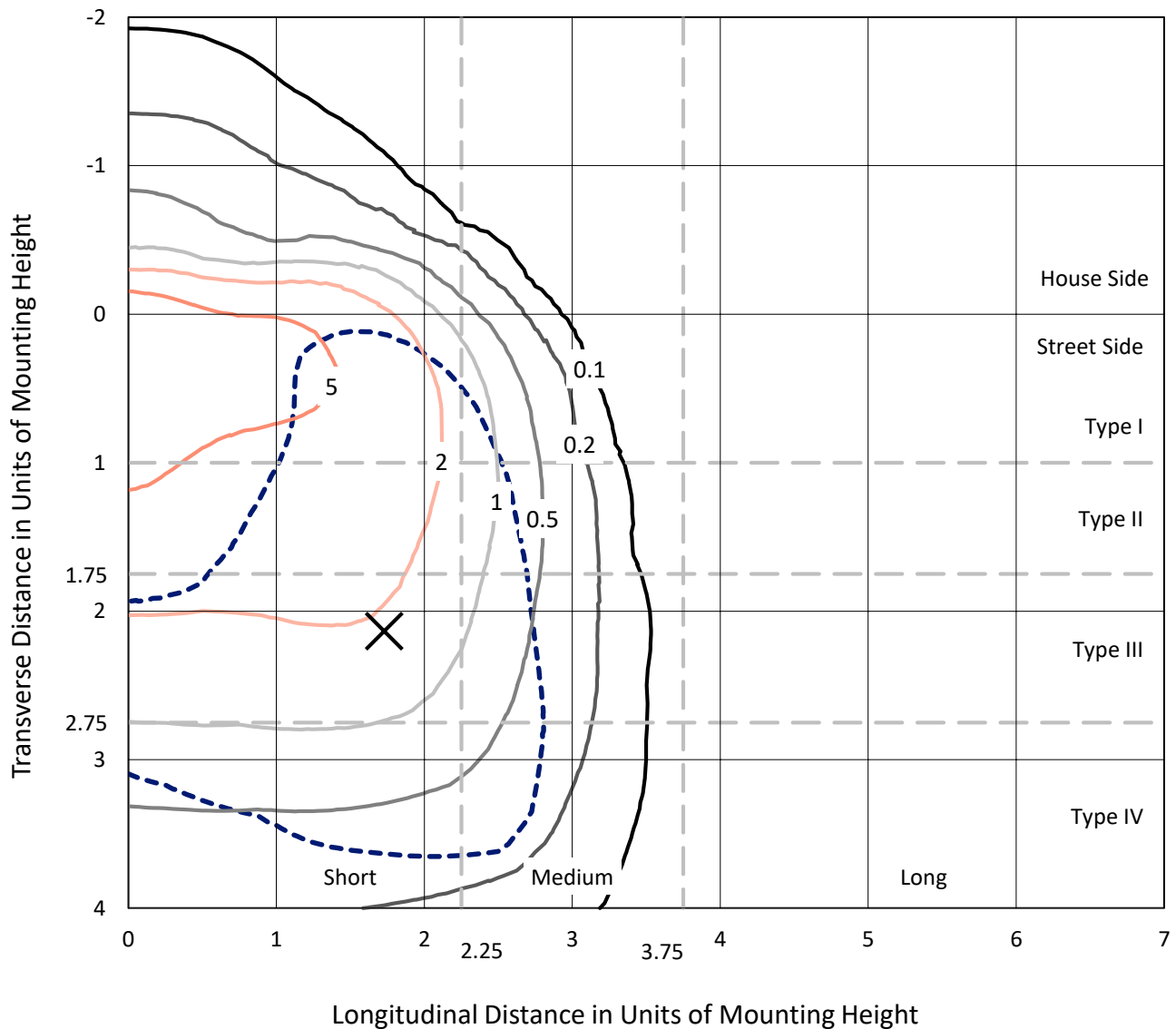


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

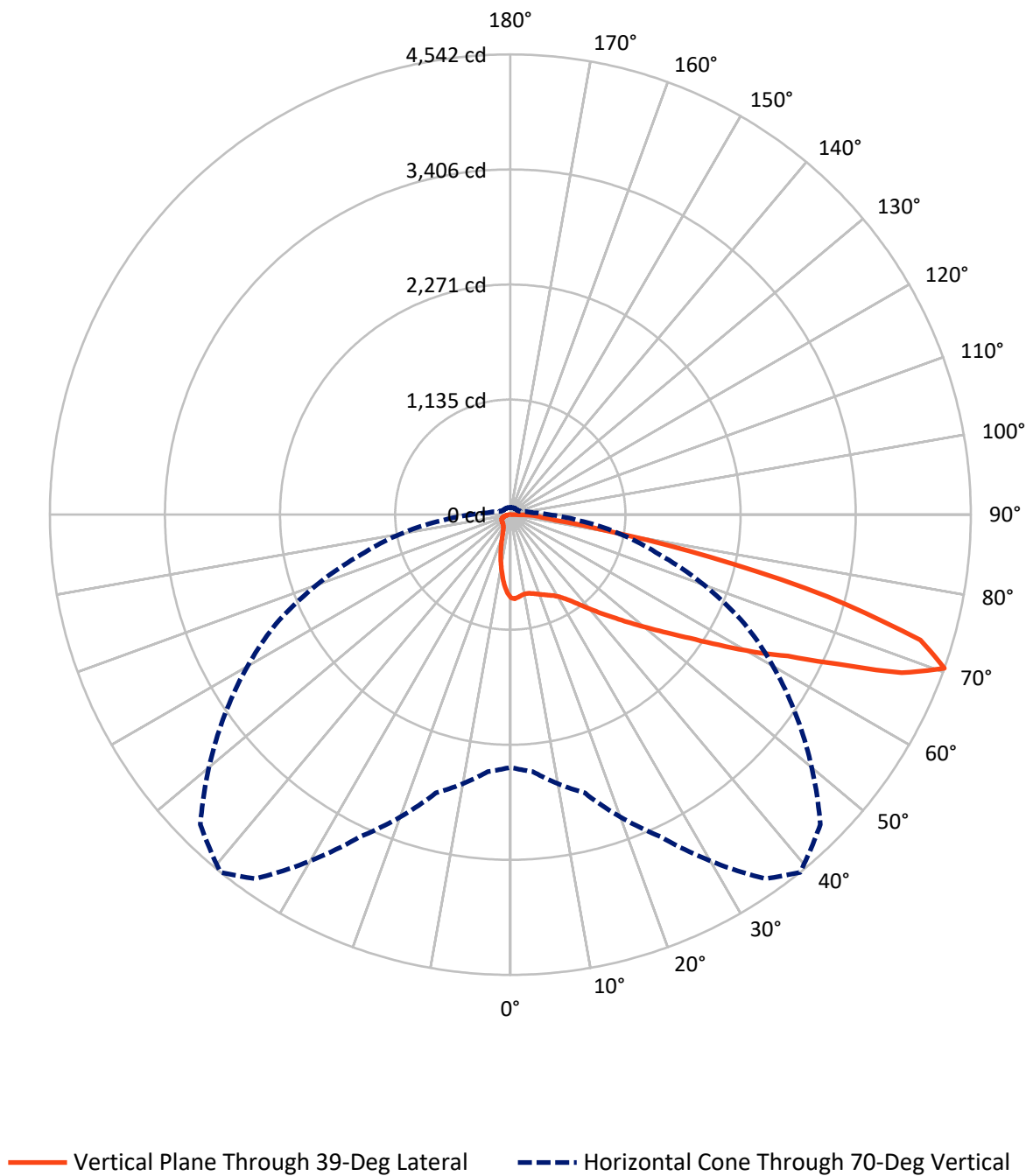


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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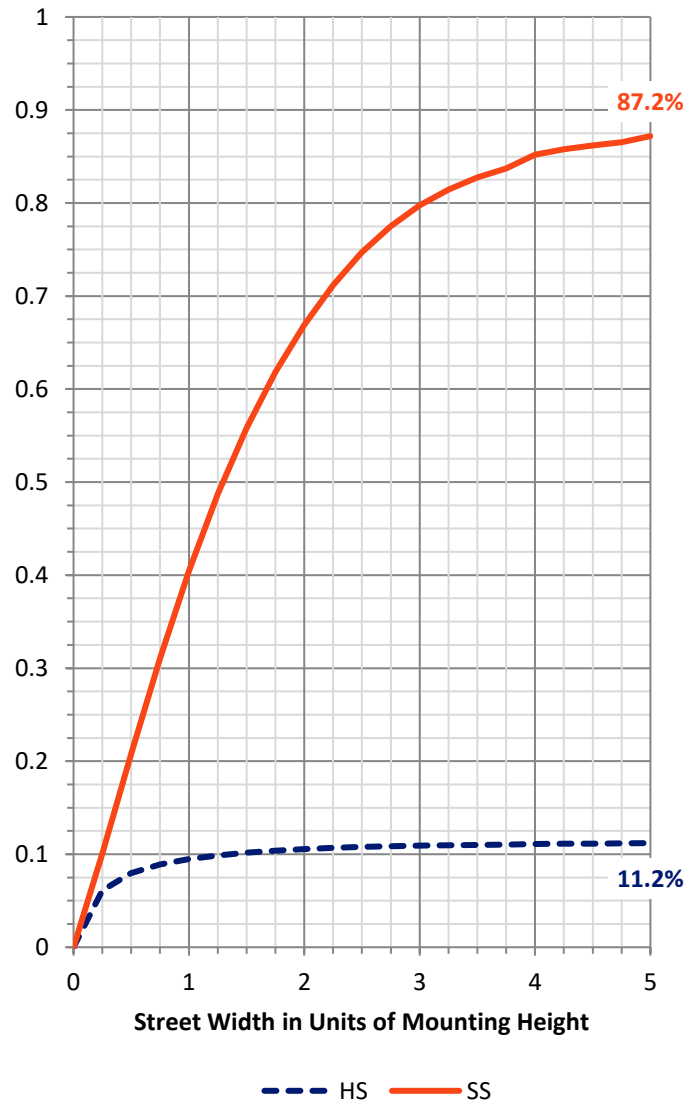
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.0	0.0	615.0
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	4792.0	0.0	4792.0
	% Fixture	88.6	0.0	88.6
Total	Lumens	5407.0	0.0	5407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.3
10°-20°	176.1	3.3
20°-30°	274.2	5.1
30°-40°	427.1	7.9
40°-50°	717.0	13.3
50°-60°	1139.1	21.1
60°-70°	1519.4	28.1
70°-80°	917.5	17.0
80°-90°	166.1	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°	5407.0	100.0
0°-180°	5407.0	100.0

Coefficient of Utilization



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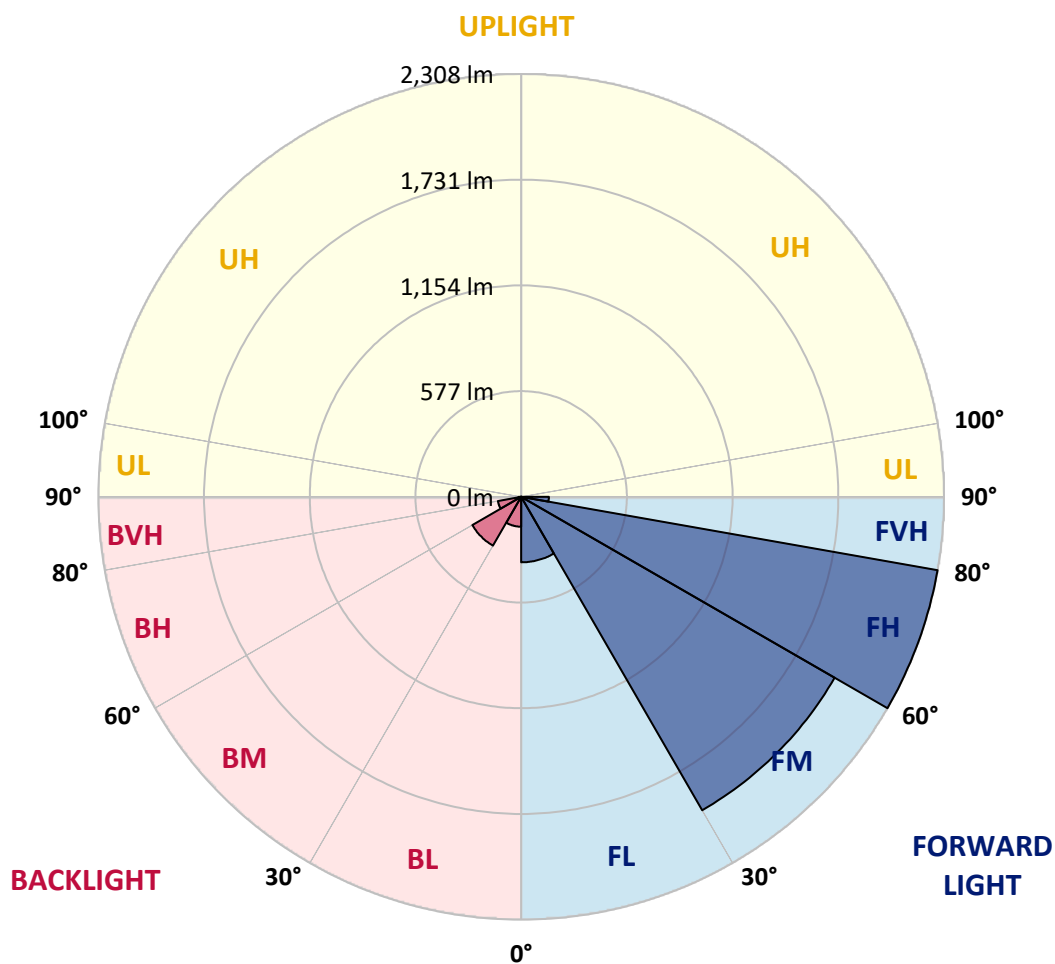
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	357.6	6.6			
FM	(30°-60°)	1975.5	36.5			
FH	(60°-80°)	2307.9	42.7			G2/5000
FVH	(80°-90°)	151.1	2.8			G2/225
BL	(0°-30°)	163.1	3.0	B1/500		
BM	(30°-60°)	307.8	5.7	B1/1000		
BH	(60°-80°)	129.1	2.4	B1/500		G1/500
BVH	(80°-90°)	15.0	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°	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9
2.5°	836.8	836.5	834.3	832.7	831.3	830.8	831.9	827.7	824.2	819.8	815.1
5°	830.5	830.2	826.6	823.3	820.0	818.9	818.7	811.2	806.8	800.2	791.5
7.5°	823.6	822.2	817.6	812.1	806.3	803.5	800.8	791.2	786.2	779.6	769.5
10°	816.5	814.8	810.4	804.9	799.4	795.3	790.6	781.3	776.1	771.1	759.3
12.5°	809.0	807.7	806.6	804.1	800.2	796.7	793.1	785.1	779.6	773.9	760.1
15°	807.9	807.4	809.9	811.5	809.3	807.1	803.3	796.4	790.6	784.9	767.0
17.5°	816.7	816.5	822.8	827.2	826.1	822.2	817.0	809.3	804.6	799.7	777.4
20°	836.0	837.4	845.1	850.8	845.3	839.8	831.3	820.6	818.1	815.9	788.2
22.5°	872.3	873.6	879.1	881.3	867.1	859.1	847.3	833.5	831.9	833.5	801.1
25°	928.9	927.5	926.7	918.5	892.3	880.0	864.9	850.6	851.4	858.8	819.2
27.5°	1004.0	996.5	985.0	960.2	918.7	905.0	886.6	873.4	878.6	892.9	846.4
30°	1081.8	1073.5	1046.8	1006.4	953.4	938.3	917.6	902.8	916.5	939.1	882.7
32.5°	1153.8	1152.7	1113.6	1061.7	1001.2	988.0	967.4	950.6	972.9	1007.3	937.2
35°	1232.4	1234.9	1188.1	1125.7	1065.8	1052.1	1037.2	1024.6	1054.3	1101.5	1016.0
37.5°	1316.5	1321.5	1266.2	1195.8	1139.5	1133.7	1124.9	1119.4	1165.3	1230.7	1126.3
40°	1429.0	1424.0	1347.3	1275.0	1229.9	1229.7	1226.9	1233.5	1309.9	1399.5	1267.9
42.5°	1549.4	1534.8	1433.4	1360.0	1329.2	1338.5	1344.0	1371.0	1483.9	1604.6	1440.5
45°	1679.1	1646.4	1522.7	1449.8	1439.4	1459.2	1477.9	1536.4	1688.7	1838.0	1629.6
47.5°	1782.8	1751.1	1615.1	1544.1	1567.0	1596.9	1632.9	1725.6	1918.0	2079.1	1816.3
50°	1864.4	1843.8	1708.3	1654.1	1707.4	1753.6	1812.4	1939.7	2156.6	2313.9	1989.2
52.5°	1943.6	1928.2	1802.3	1766.8	1872.4	1936.2	2016.2	2169.6	2401.3	2544.8	2134.6
55°	2015.1	2004.1	1903.4	1907.3	2066.5	2149.5	2250.1	2431.3	2668.0	2750.7	2257.8
57.5°	2095.6	2081.6	2018.9	2083.5	2315.8	2423.6	2554.4	2725.4	2918.1	2933.8	2351.5
60°	2176.7	2164.6	2147.0	2286.9	2632.5	2745.8	2869.7	3010.5	3171.9	3075.9	2346.0
62.5°	2247.1	2248.4	2279.5	2500.5	2942.6	3073.7	3224.9	3364.0	3401.4	3100.7	2172.6
65°	2366.4	2388.1	2480.7	2802.9	3379.1	3554.5	3740.1	3717.8	3464.9	2869.5	1800.6
67.5°	2508.2	2546.4	2734.2	3205.9	3930.9	4163.7	4235.5	3797.8	3210.6	2332.6	1283.5
70°	2493.9	2546.4	2843.6	3506.4	4385.6	4541.7	4324.0	3437.1	2549.5	1523.8	681.8
72.5°	2214.6	2289.7	2620.7	3368.7	4242.3	4228.6	3753.8	2562.4	1514.7	611.9	266.4
75°	1687.9	1763.8	2048.6	2661.4	3353.0	3237.6	2663.6	1415.5	574.8	243.0	168.0
77.5°	971.0	1029.8	1249.7	1632.1	2127.2	2008.7	1482.6	629.5	279.9	169.3	131.1
80°	542.1	574.8	708.4	828.0	1042.4	955.6	663.3	391.2	208.9	122.9	101.2
82.5°	428.6	457.7	572.9	522.3	476.1	439.3	381.0	348.3	166.9	77.5	60.5
85°	374.4	402.2	484.9	411.3	325.2	298.3	309.5	342.8	129.8	46.7	51.7
87.5°	346.9	384.0	432.2	317.0	253.2	224.3	285.6	375.8	41.8	29.1	20.9
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°	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9	820.9
2.5°	811.0	806.6	799.4	793.1	783.2	778.0	772.2	768.1	764.8	762.0	766.4
5°	786.0	777.7	762.6	746.4	727.1	712.0	699.4	687.5	679.3	673.8	677.6
7.5°	762.3	748.8	725.2	695.8	662.8	634.8	611.7	591.3	577.3	568.2	571.8
10°	748.8	732.1	695.5	649.3	600.7	557.0	520.7	489.3	467.6	455.2	457.2
12.5°	745.5	723.8	673.2	609.7	543.2	482.5	431.3	387.9	357.4	341.4	342.0
15°	748.0	720.3	652.3	571.8	487.7	411.0	347.2	294.4	259.0	240.8	240.5
17.5°	752.1	717.5	630.4	530.8	431.3	342.3	271.1	219.4	188.0	173.5	172.4
20°	756.5	713.1	605.6	486.6	372.8	278.5	212.2	171.8	152.0	144.1	143.5
22.5°	762.9	709.3	580.0	439.8	315.3	226.8	174.6	147.3	136.9	132.8	132.2
25°	773.0	707.3	552.8	391.2	263.6	189.7	152.0	135.3	129.2	126.5	126.2
27.5°	790.1	710.1	527.3	343.9	221.6	164.7	139.4	129.2	124.8	122.3	122.1
30°	812.1	718.6	500.3	299.1	188.9	147.6	131.7	125.1	121.5	119.0	119.0
32.5°	848.6	732.9	472.0	260.3	165.5	135.8	125.9	121.5	118.5	116.6	116.3
35°	902.5	759.8	445.6	228.2	148.7	127.3	121.0	117.7	115.5	114.4	114.4
37.5°	980.9	802.4	422.3	205.1	138.6	121.5	116.3	113.8	112.4	112.4	112.4
40°	1086.1	861.3	403.3	189.7	132.8	117.4	112.7	110.8	110.0	110.2	110.2
42.5°	1216.2	937.7	390.6	179.0	130.0	114.9	110.2	108.6	107.8	107.5	107.8
45°	1364.4	1024.6	389.3	171.0	127.3	113.3	108.6	106.9	105.3	104.2	104.2
47.5°	1508.4	1112.8	400.5	168.2	124.3	111.3	107.2	105.6	103.1	100.6	100.6
50°	1635.7	1187.9	415.7	169.3	123.2	108.6	105.0	104.2	100.3	97.6	97.3
52.5°	1736.8	1245.6	428.0	172.6	124.3	106.7	102.3	102.5	98.4	95.4	95.1
55°	1817.9	1283.5	424.7	175.9	126.7	105.6	99.8	100.3	97.0	94.0	94.0
57.5°	1853.4	1269.5	388.2	173.2	128.7	105.8	97.9	100.1	97.3	94.6	94.6
60°	1777.3	1145.0	319.7	161.1	126.2	105.0	97.0	101.2	100.9	98.1	97.9
62.5°	1546.9	922.0	248.0	143.2	117.7	100.9	94.8	100.9	103.9	103.1	102.8
65°	1192.3	656.7	189.4	124.0	106.1	94.0	89.1	94.6	98.7	99.8	99.5
67.5°	773.9	402.5	146.0	105.8	93.2	86.0	81.6	84.1	84.9	84.9	84.4
70°	380.5	216.6	116.3	89.1	80.0	77.5	75.0	73.7	72.3	71.2	71.2
72.5°	187.8	141.6	95.7	75.3	69.0	67.9	67.4	65.7	64.6	63.2	62.7
75°	138.8	115.2	81.4	63.5	59.4	58.3	59.4	58.0	57.7	56.6	56.1
77.5°	114.1	98.1	70.1	54.4	50.9	48.9	50.6	50.9	51.1	49.5	48.9
80°	92.6	83.0	58.6	45.1	41.8	40.4	41.5	43.7	44.3	41.8	40.7
82.5°	66.8	67.9	47.3	35.2	32.4	31.3	33.5	36.3	36.8	33.3	32.4
85°	56.1	56.6	36.3	25.0	22.3	20.6	24.2	26.9	28.9	25.3	24.5
87.5°	23.4	33.3	20.9	14.0	12.4	10.7	12.9	14.3	17.3	15.9	15.7
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)