

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: P269807

Luminaire Tested: **GAP-AF-01-LED-U-SL4-7027-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-SL4-7027-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4917.2 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - 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

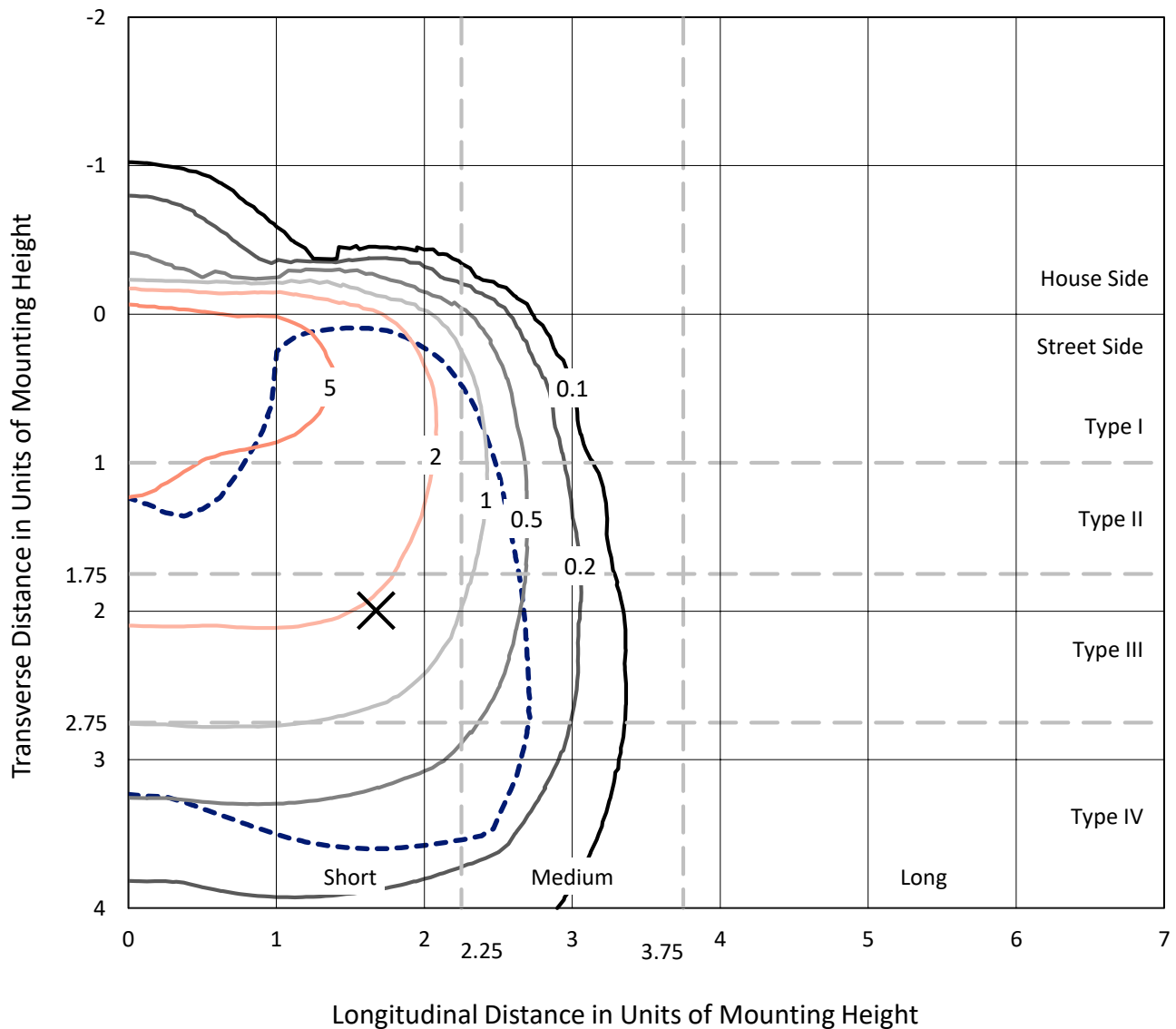


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

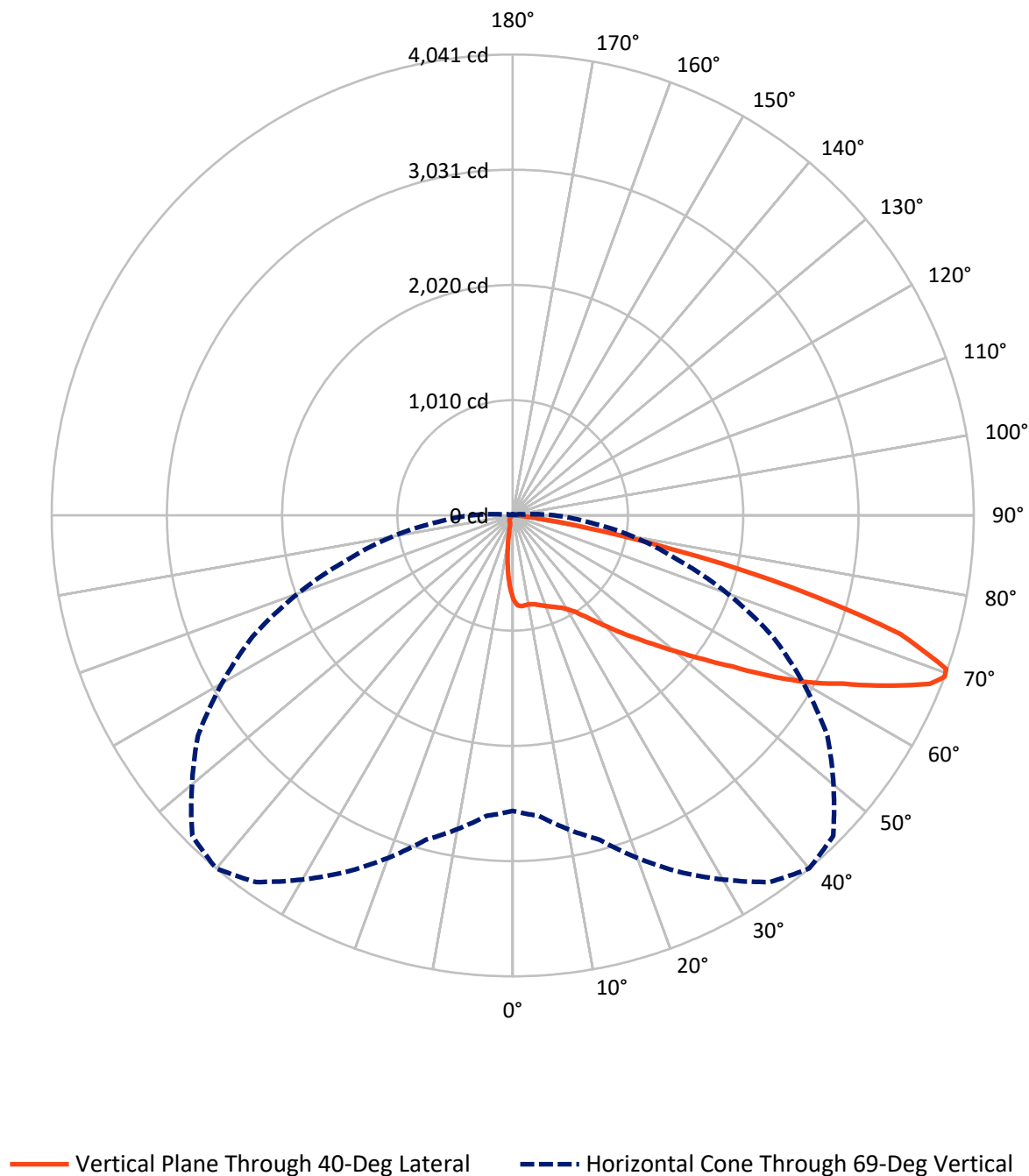


Based on 10 foot mounting height. Maximum calculated value = 8 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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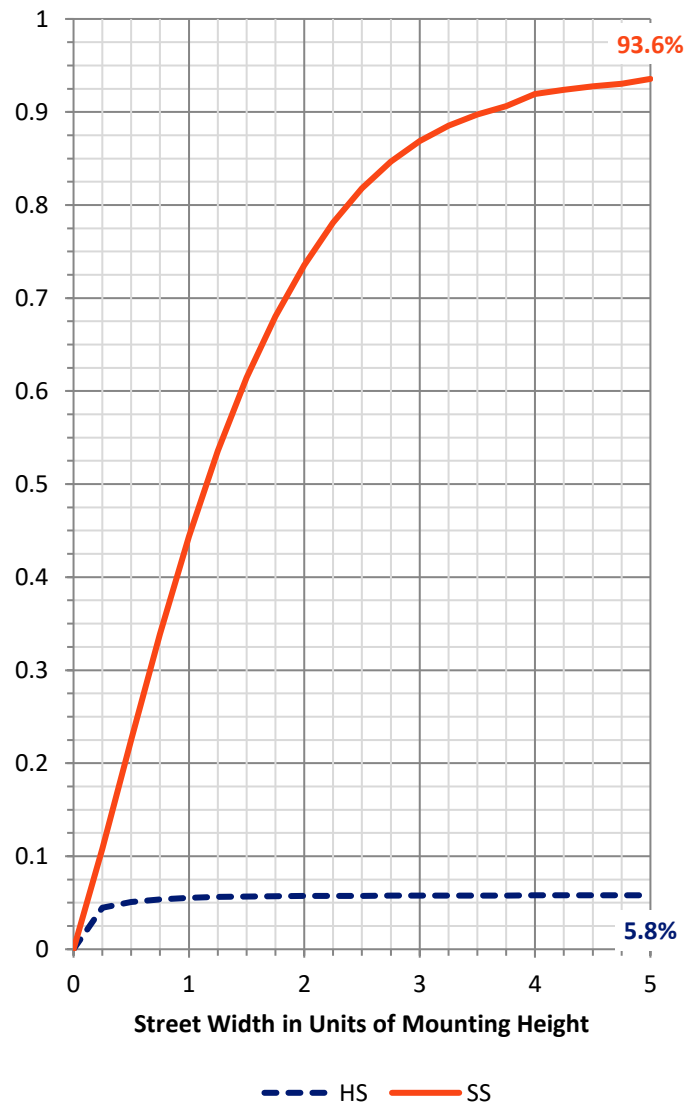
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.7	0.0	287.7
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	4629.5	0.0	4629.5
	% Fixture	94.1	0.0	94.1
Total	Lumens	4917.2	0.0	4917.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.2
10°-20°	146.5	3.0
20°-30°	246.7	5.0
30°-40°	403.9	8.2
40°-50°	699.4	14.2
50°-60°	1101.5	22.4
60°-70°	1438.6	29.3
70°-80°	740.9	15.1
80°-90°	80.2	1.6
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°	4917.2	100.0
0°-180°	4917.2	100.0

Coefficient of Utilization



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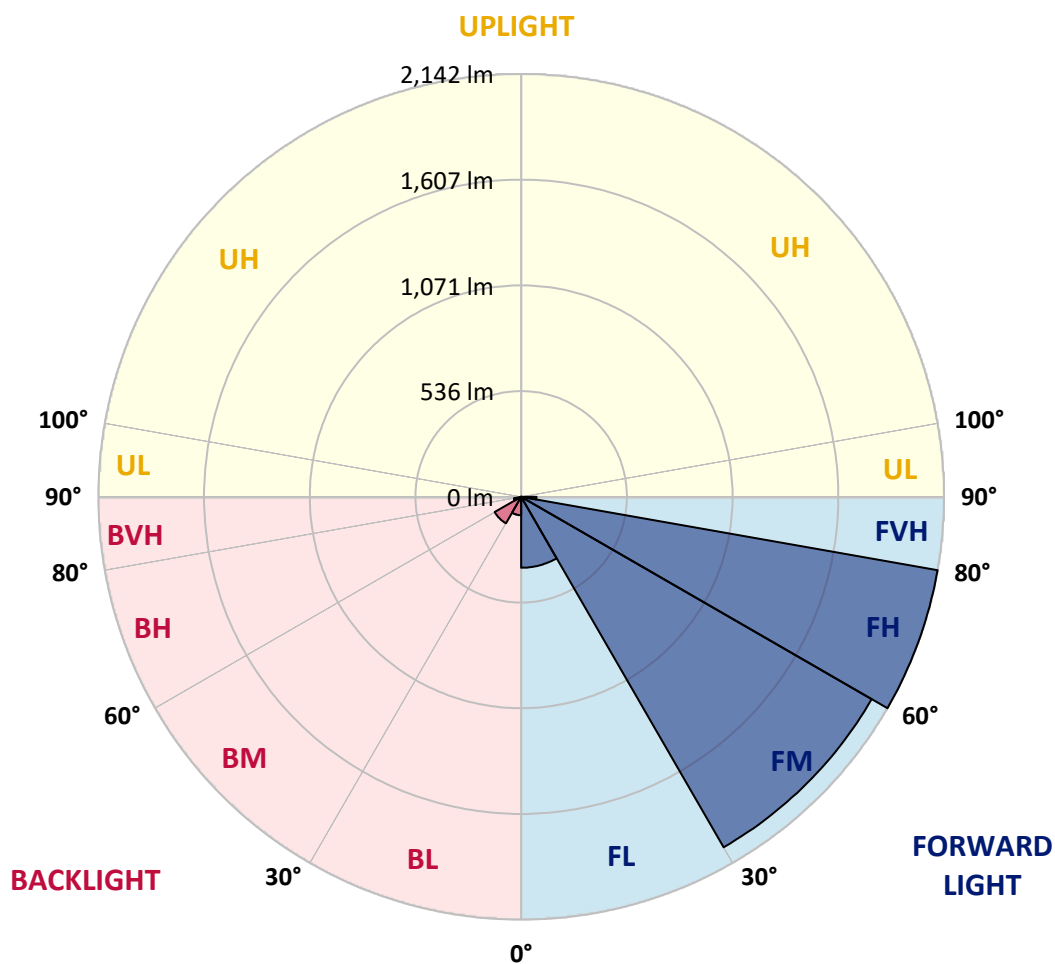
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.6	7.3			
FM	(30°-60°)	2050.2	41.7			
FH	(60°-80°)	2142.1	43.6			G2/5000
FVH	(80°-90°)	77.6	1.6			G1/100
BL	(0°-30°)	93.2	1.9	B0/110		
BM	(30°-60°)	154.6	3.1	B0/220		
BH	(60°-80°)	37.4	0.8	B0/110		G0/110
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6
2.5°	806.7	802.2	799.6	796.1	791.8	788.0	786.5	775.6	765.4	751.3	735.3
5°	821.6	820.2	815.4	810.8	805.5	799.6	796.3	783.5	768.9	748.4	720.4
7.5°	823.0	821.3	815.4	809.1	801.6	794.7	789.2	776.2	762.8	742.0	707.8
10°	820.7	818.6	814.3	807.2	798.1	791.4	785.8	773.6	762.2	743.4	705.3
12.5°	818.0	816.0	814.0	810.5	802.5	797.9	793.3	781.4	771.3	755.5	713.9
15°	820.7	819.6	821.9	820.4	816.0	811.9	807.2	796.6	787.4	774.2	729.5
17.5°	831.8	831.8	839.1	840.0	836.0	830.0	823.3	812.7	804.9	793.8	747.7
20°	857.9	857.1	866.3	868.1	858.2	849.1	839.1	826.4	820.2	813.1	766.0
22.5°	902.6	898.6	904.1	902.3	882.8	868.8	856.4	840.6	837.4	834.2	786.1
25°	960.8	958.6	962.4	945.0	910.5	891.6	876.9	859.0	859.0	862.3	809.1
27.5°	1045.4	1036.7	1023.9	993.3	941.7	917.3	901.4	882.5	887.4	899.5	839.1
30°	1132.1	1122.5	1092.9	1046.0	979.3	953.9	935.5	915.6	927.2	949.1	879.5
32.5°	1217.7	1206.8	1164.9	1105.9	1033.5	1008.1	990.2	968.3	987.9	1024.7	938.6
35°	1300.4	1290.8	1242.4	1172.7	1105.5	1084.4	1068.1	1049.0	1074.2	1125.7	1022.1
37.5°	1393.5	1383.0	1324.1	1248.6	1192.9	1177.8	1165.8	1146.7	1190.7	1266.3	1138.3
40°	1508.0	1490.1	1410.8	1335.6	1294.3	1287.0	1278.7	1276.1	1344.4	1448.8	1293.1
42.5°	1639.0	1609.9	1501.4	1427.1	1405.5	1410.8	1408.7	1420.4	1536.6	1676.0	1481.7
45°	1770.2	1732.4	1602.4	1525.0	1527.8	1546.3	1557.8	1604.6	1777.6	1936.4	1684.4
47.5°	1881.4	1844.3	1699.4	1630.7	1665.6	1702.0	1733.0	1821.8	2025.0	2192.9	1842.2
50°	1976.5	1941.4	1802.1	1746.8	1825.8	1884.4	1934.7	2066.1	2291.4	2388.1	1952.8
52.5°	2054.5	2031.0	1908.7	1880.0	2008.7	2094.5	2168.2	2325.7	2527.4	2546.8	2039.0
55°	2130.2	2113.5	2023.2	2038.3	2223.6	2340.4	2433.8	2601.1	2730.5	2679.0	2121.4
57.5°	2217.5	2202.3	2153.6	2239.0	2506.0	2653.0	2754.8	2845.2	2909.4	2814.2	2199.3
60°	2306.4	2297.7	2298.9	2462.2	2830.3	2971.5	3027.6	3051.1	3085.0	2941.6	2203.7
62.5°	2391.3	2407.9	2464.8	2710.4	3140.8	3249.2	3277.6	3300.7	3260.8	2961.7	2036.0
65°	2534.9	2562.2	2697.7	3042.5	3482.5	3598.4	3627.6	3548.3	3288.7	2700.7	1656.0
67.5°	2605.3	2655.0	2896.8	3352.2	3813.8	3942.7	3931.7	3564.5	2951.2	2059.4	1062.8
69°	2590.6	2643.6	2942.8	3447.1	3923.8	4040.7	3971.9	3367.4	2514.3	1491.8	652.3
70°	2532.7	2586.2	2919.0	3443.6	3937.9	4030.3	3897.4	3124.1	2125.7	1090.8	408.0
72.5°	2115.0	2161.2	2591.5	3112.4	3627.6	3552.3	3260.6	2164.5	1035.8	297.1	91.8
75°	1302.0	1327.7	1859.5	2344.8	2739.9	2546.8	2172.5	1076.8	308.7	84.0	50.9
77.5°	687.8	699.5	1018.0	1382.1	1736.9	1437.1	1113.4	420.0	142.2	52.7	36.9
80°	406.6	415.3	548.2	631.9	751.6	627.8	445.2	257.9	101.9	33.1	32.8
82.5°	232.8	238.2	397.5	351.2	296.3	253.0	221.5	244.3	61.2	22.3	34.0
85°	85.5	86.6	223.6	267.2	176.2	104.8	110.0	202.6	16.3	14.1	26.6
87.5°	39.9	38.9	115.1	163.6	103.0	66.5	85.8	44.5	6.5	9.1	7.4
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°	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6	734.6
2.5°	725.9	715.1	695.5	675.3	654.8	639.0	623.5	611.1	607.1	599.3	600.0
5°	703.6	683.7	642.7	601.1	557.8	522.2	488.5	461.3	448.2	434.6	434.6
7.5°	684.2	655.4	591.3	523.6	453.6	394.9	341.9	302.1	280.1	262.6	262.2
10°	677.1	637.7	548.2	451.3	353.8	273.7	210.7	170.4	149.6	136.2	135.6
12.5°	680.2	631.6	515.2	384.7	262.2	175.9	122.1	95.9	87.2	83.2	83.2
15°	689.5	629.9	482.1	319.3	185.3	110.0	81.0	74.0	73.5	73.5	73.5
17.5°	700.9	630.5	448.2	255.7	126.1	78.7	70.0	69.1	69.7	69.7	69.7
20°	712.7	630.8	411.6	197.0	89.0	68.5	65.8	65.5	66.1	66.1	66.5
22.5°	727.1	632.1	375.0	147.2	73.5	64.7	62.6	62.6	62.9	62.9	62.6
25°	743.4	635.1	336.9	109.1	67.1	62.1	60.2	59.9	60.2	59.9	59.6
27.5°	763.9	639.2	294.5	85.5	64.0	59.4	57.9	57.9	57.6	57.4	57.1
30°	789.7	643.9	246.8	72.7	61.2	57.1	55.7	55.3	55.1	54.4	54.4
32.5°	828.9	654.1	199.7	65.8	57.9	53.9	52.7	52.7	52.1	51.6	51.3
35°	889.2	674.4	157.5	61.8	54.4	50.3	48.9	48.9	48.2	48.0	47.7
37.5°	972.7	705.1	122.3	57.9	50.9	46.5	45.0	44.7	44.1	43.6	43.3
40°	1083.5	743.2	96.3	54.4	47.4	42.7	41.5	41.1	39.9	38.9	38.9
42.5°	1222.9	786.5	78.2	50.7	43.3	39.3	38.4	37.5	35.5	34.6	34.2
45°	1368.7	825.5	66.1	46.3	39.3	35.8	35.2	33.6	31.0	30.2	30.2
47.5°	1473.7	834.4	58.2	42.1	35.5	31.9	31.6	28.9	26.6	26.1	25.7
50°	1539.2	816.6	51.8	38.1	31.9	28.3	27.5	24.3	22.8	22.3	22.0
52.5°	1583.4	784.7	46.5	34.6	28.7	25.2	23.1	20.8	19.7	19.0	19.0
55°	1618.8	739.7	41.2	31.4	26.1	22.5	19.7	17.8	16.7	16.1	16.1
57.5°	1628.8	678.5	36.0	28.7	23.4	19.9	16.7	15.5	14.1	13.7	13.7
60°	1556.6	568.1	31.9	25.4	21.1	17.2	14.6	13.1	11.7	11.4	11.0
62.5°	1366.1	439.6	28.0	22.5	18.4	14.9	12.5	10.8	9.6	9.6	9.6
65°	1041.9	294.7	24.7	19.7	16.1	12.5	10.8	8.8	8.3	8.3	8.4
67.5°	623.8	160.3	21.1	16.7	13.7	10.5	9.1	7.6	7.4	7.6	7.6
69°	365.6	94.2	19.0	14.9	11.9	9.3	7.9	6.7	7.4	7.6	7.6
70°	225.7	63.5	17.5	13.5	10.8	8.4	7.4	6.5	7.0	7.4	7.4
72.5°	62.9	32.8	14.1	10.5	8.8	7.0	5.8	5.8	6.7	7.0	7.0
75°	41.1	24.3	10.8	7.9	6.7	5.6	5.0	5.6	6.5	6.7	6.7
77.5°	34.0	19.9	8.8	6.5	5.6	5.3	4.8	5.0	5.8	6.2	6.2
80°	31.0	14.1	7.0	5.8	5.0	4.8	4.4	4.1	5.3	5.6	5.6
82.5°	29.6	11.0	6.2	5.3	4.8	4.1	3.9	4.1	4.8	5.0	5.3
85°	18.4	7.4	5.6	5.0	4.1	3.9	3.9	3.9	4.4	4.8	4.8
87.5°	6.7	5.8	5.0	4.1	3.6	3.6	3.6	3.6	3.9	4.4	4.4
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)