

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: P459638

Luminaire Tested: **GAN-SA6A-AMB-U-SL4-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-AMB-U-SL4-HSS
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES 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: 4641 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

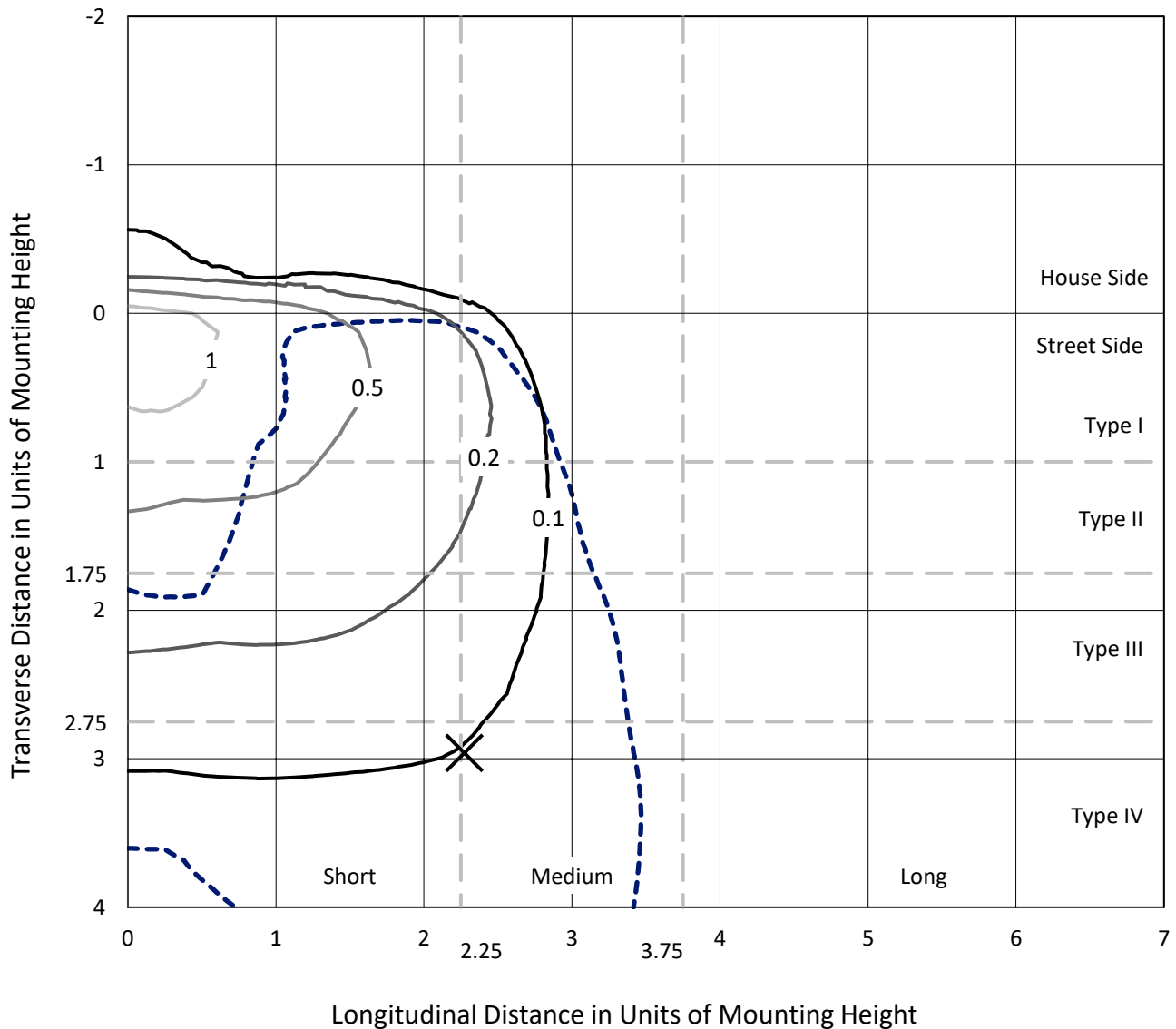
Input Watts (W): 119
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

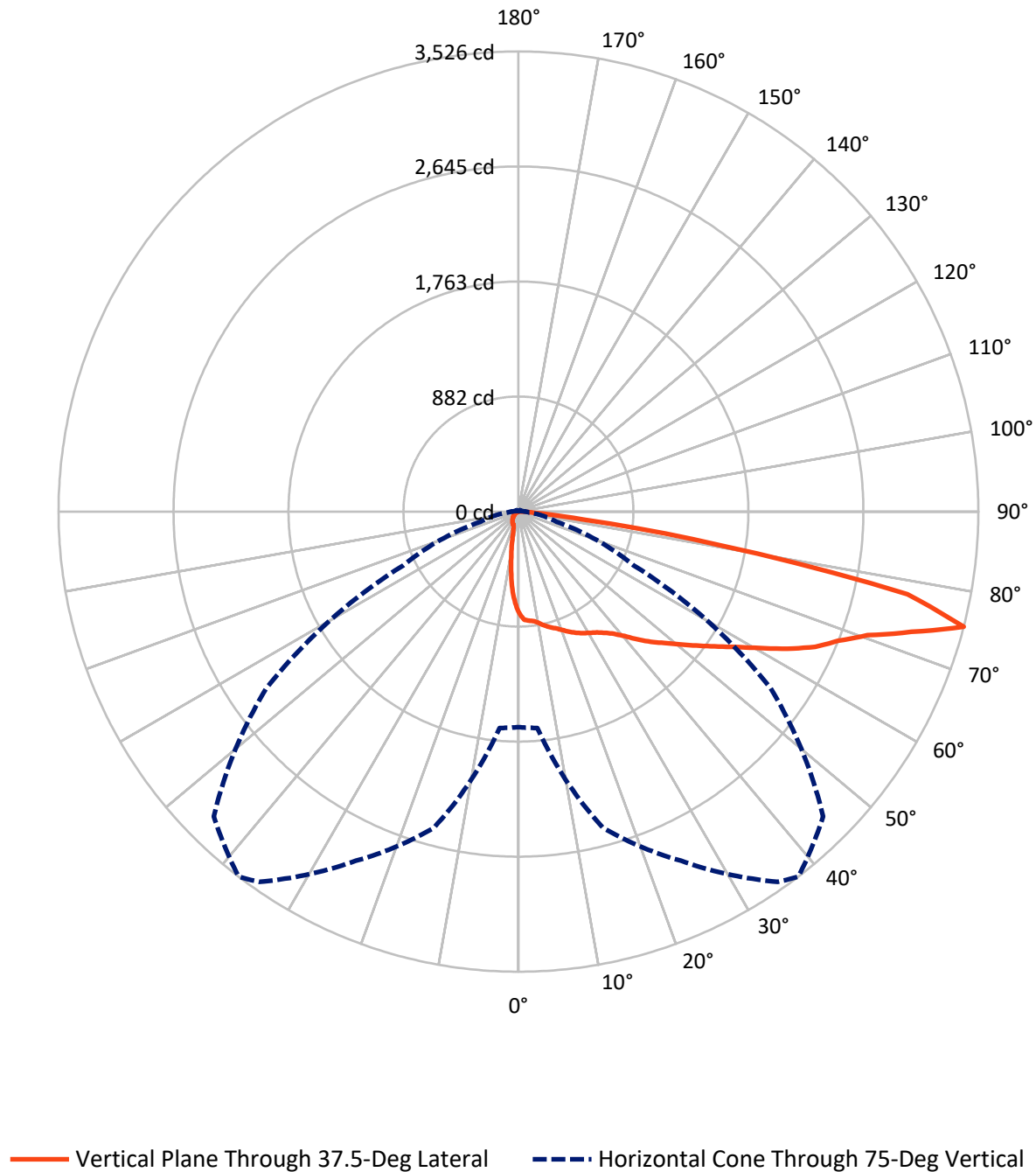
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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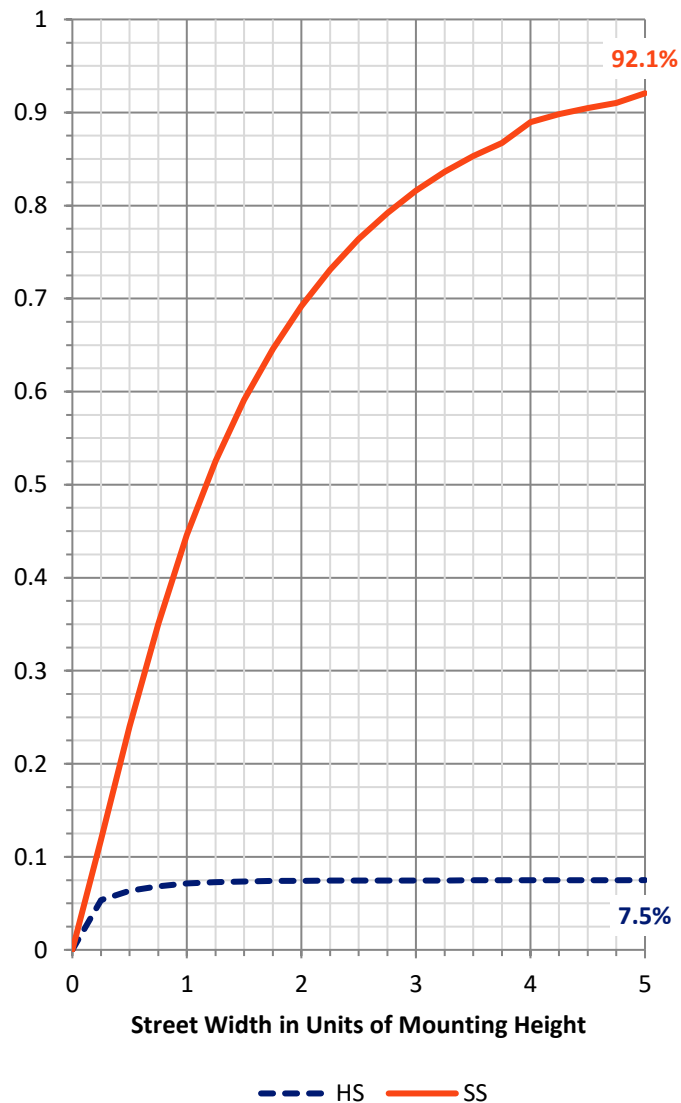
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	350.8	0.0	350.8
	% Fixture	7.6	0.0	7.6
Street Side	Lumens	4290.2	0.0	4290.2
	% Fixture	92.4	0.0	92.4
Total	Lumens	4641.0	0.0	4641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	1.4
10°-20°	167.6	3.6
20°-30°	274.3	5.9
30°-40°	407.6	8.8
40°-50°	610.2	13.1
50°-60°	876.8	18.9
60°-70°	1175.1	25.3
70°-80°	951.9	20.5
80°-90°	111.3	2.4
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°	4641.0	100.0
0°-180°	4641.0	100.0

Coefficient of Utilization



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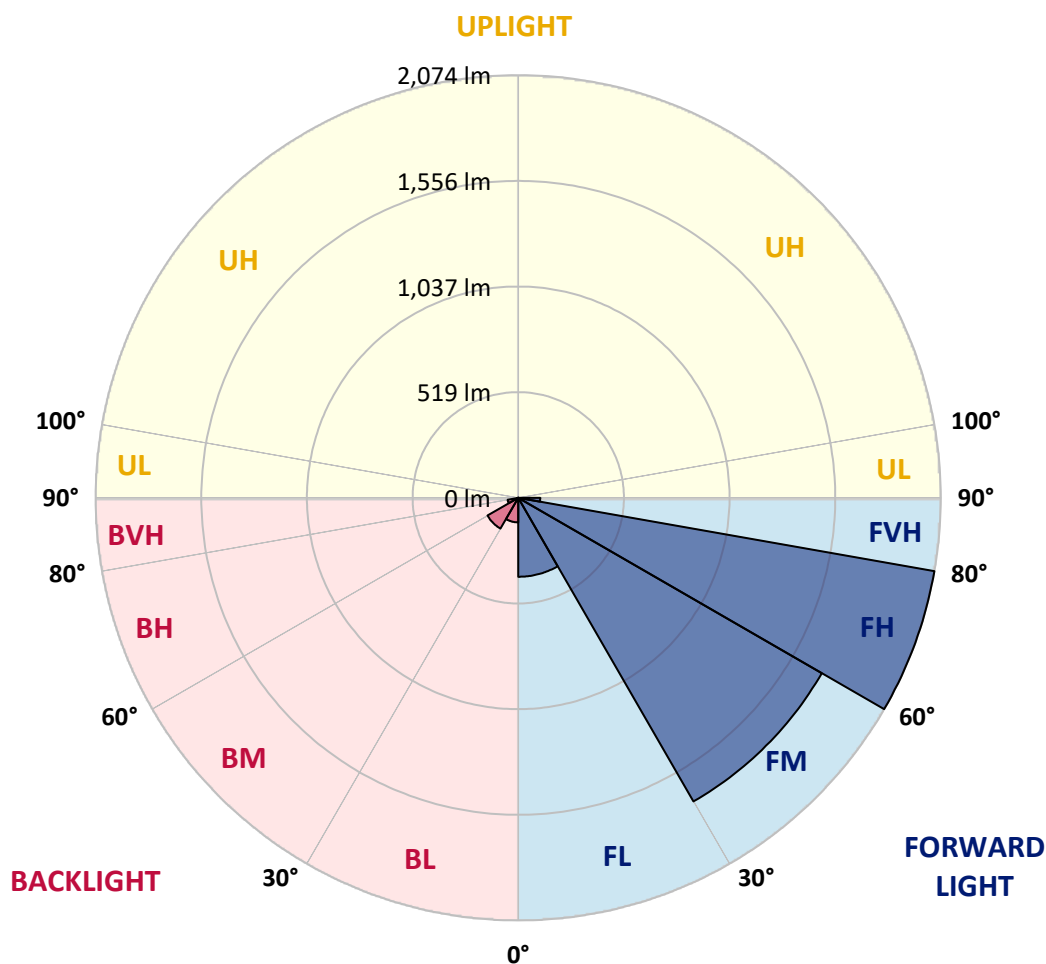
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	387.6	8.4			
FM	(30°-60°)	1720.5	37.1			
FH	(60°-80°)	2074.0	44.7			G2/5000
FVH	(80°-90°)	108.1	2.3			G2/225
BL	(0°-30°)	120.5	2.6	B1/500		
BM	(30°-60°)	174.2	3.8	B0/220		
BH	(60°-80°)	52.9	1.1	B0/110		G0/110
BVH	(80°-90°)	3.2	0.1			G0/10
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 Medium



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	45°	55°	65°	75°	85°
0°	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4
2.5°	840.1	837.5	837.5	832.3	829.7	829.7	819.3	816.7	806.4	796.0	783.0
5°	842.7	842.7	840.1	842.7	840.1	840.1	834.9	832.3	821.9	801.2	777.8
7.5°	858.2	855.6	853.0	853.0	847.8	847.8	834.9	829.7	819.3	806.4	772.7
10°	858.2	858.2	863.4	868.6	868.6	868.6	855.6	840.1	824.5	811.5	772.7
12.5°	855.6	855.6	863.4	881.5	894.5	897.1	889.3	868.6	842.7	819.3	783.0
15°	853.0	855.6	866.0	891.9	915.3	920.4	917.8	902.3	868.6	834.9	796.0
17.5°	858.2	863.4	876.4	912.7	938.6	941.2	943.8	933.4	897.1	855.6	816.7
20°	866.0	868.6	897.1	941.2	967.1	969.7	967.1	951.6	920.4	881.5	840.1
22.5°	879.0	884.1	920.4	969.7	998.2	1000.8	993.0	967.1	933.4	902.3	866.0
25°	904.9	910.1	954.1	1003.4	1024.2	1029.3	1021.6	990.4	946.4	925.6	894.5
27.5°	936.0	943.8	990.4	1037.1	1050.1	1055.3	1047.5	1011.2	964.5	956.7	930.8
30°	982.7	987.9	1031.9	1070.8	1076.0	1078.6	1073.4	1031.9	990.4	990.4	967.1
32.5°	1039.7	1047.5	1076.0	1104.5	1101.9	1104.5	1101.9	1057.9	1021.6	1042.3	1011.2
35°	1107.1	1099.3	1133.1	1146.0	1135.6	1140.8	1143.4	1099.3	1068.2	1109.7	1070.8
37.5°	1159.0	1159.0	1177.1	1190.1	1182.3	1187.5	1195.3	1153.8	1133.1	1205.6	1161.6
40°	1203.1	1203.1	1216.0	1241.9	1244.5	1254.9	1270.5	1221.2	1221.2	1317.1	1267.9
42.5°	1236.8	1241.9	1252.3	1286.0	1319.7	1337.9	1353.4	1304.2	1327.5	1459.7	1407.9
45°	1270.5	1275.7	1280.8	1330.1	1397.5	1423.4	1454.6	1407.9	1449.4	1610.1	1553.1
47.5°	1312.0	1312.0	1309.4	1387.1	1470.1	1503.8	1558.3	1519.4	1594.6	1794.2	1706.1
50°	1363.8	1358.6	1335.3	1446.8	1558.3	1599.8	1682.7	1643.8	1757.9	1986.1	1820.1
52.5°	1423.4	1410.5	1374.2	1509.0	1654.2	1706.1	1812.4	1786.4	1929.0	2139.1	1885.0
55°	1498.6	1477.9	1428.6	1584.2	1770.9	1822.7	1947.2	1962.7	2092.4	2227.2	1952.4
57.5°	1594.6	1555.7	1501.2	1677.5	1905.7	1955.0	2100.2	2133.9	2201.3	2312.8	2037.9
60°	1690.5	1649.0	1599.8	1804.6	2053.5	2120.9	2263.5	2276.5	2289.4	2432.0	2131.3
62.5°	1776.1	1752.7	1724.2	1947.2	2255.7	2315.4	2403.5	2385.4	2400.9	2572.1	2206.5
65°	1885.0	1861.6	1856.4	2110.5	2447.6	2499.5	2509.8	2517.6	2574.6	2709.5	2245.4
67.5°	1978.3	1970.5	2017.2	2305.0	2621.3	2642.1	2680.9	2725.0	2756.1	2771.7	1986.1
70°	2110.5	2097.6	2201.3	2499.5	2795.0	2839.1	2976.5	3020.6	2805.4	2271.3	1216.0
72.5°	2123.5	2146.8	2429.4	2701.7	3054.3	3150.2	3321.4	3085.4	2180.5	1218.6	378.5
75°	1651.6	1664.6	2509.8	2953.2	3464.0	3526.2	3303.2	2359.4	974.9	300.8	85.6
77.5°	920.4	969.7	1677.5	2740.6	3147.7	3049.1	2258.3	1042.3	251.5	67.4	44.1
80°	674.1	697.5	809.0	1568.6	1781.2	1566.0	941.2	396.7	137.4	46.7	31.1
82.5°	199.6	215.2	417.4	505.6	630.0	500.4	282.6	303.4	88.2	33.7	25.9
85°	54.4	57.0	142.6	199.6	181.5	116.7	103.7	261.9	36.3	23.3	20.7
87.5°	25.9	25.9	44.1	88.2	75.2	62.2	85.6	153.0	7.8	7.8	5.2
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°	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4
2.5°	775.2	770.1	749.3	738.9	728.6	710.4	700.1	692.3	689.7	684.5	687.1
5°	762.3	744.1	710.4	681.9	648.2	611.9	591.2	567.8	544.5	539.3	536.7
7.5°	751.9	726.0	674.1	619.7	562.6	500.4	443.4	407.1	370.8	365.6	363.0
10°	746.7	710.4	635.2	554.9	461.5	376.0	313.7	272.2	246.3	233.4	228.2
12.5°	746.7	702.6	604.1	490.0	370.8	277.4	215.2	173.7	155.6	147.8	145.2
15°	751.9	697.5	567.8	414.8	290.4	197.1	150.4	129.6	121.9	119.3	121.9
17.5°	764.9	697.5	534.1	350.0	220.4	145.2	119.3	116.7	114.1	114.1	114.1
20°	783.0	702.6	497.8	293.0	163.3	119.3	111.5	111.5	111.5	111.5	111.5
22.5°	803.8	705.2	456.3	238.5	132.2	108.9	106.3	106.3	106.3	106.3	106.3
25°	824.5	710.4	412.3	186.7	108.9	103.7	101.1	103.7	103.7	103.7	103.7
27.5°	850.4	715.6	368.2	147.8	101.1	98.5	98.5	98.5	98.5	98.5	98.5
30°	873.8	715.6	326.7	121.9	95.9	93.3	93.3	93.3	93.3	93.3	93.3
32.5°	902.3	713.0	282.6	101.1	90.7	88.2	85.6	88.2	88.2	88.2	85.6
35°	943.8	713.0	233.4	93.3	85.6	83.0	80.4	80.4	80.4	80.4	80.4
37.5°	998.2	723.4	184.1	85.6	77.8	75.2	75.2	75.2	72.6	72.6	72.6
40°	1078.6	741.5	147.8	80.4	72.6	70.0	67.4	67.4	64.8	62.2	62.2
42.5°	1174.5	762.3	121.9	75.2	67.4	64.8	62.2	59.6	57.0	54.4	54.4
45°	1270.5	777.8	95.9	70.0	62.2	59.6	57.0	54.4	49.3	46.7	44.1
47.5°	1371.6	777.8	77.8	64.8	59.6	54.4	51.9	46.7	41.5	36.3	36.3
50°	1431.2	749.3	70.0	59.6	54.4	49.3	46.7	38.9	33.7	28.5	28.5
52.5°	1464.9	710.4	64.8	54.4	51.9	46.7	38.9	33.7	25.9	20.7	20.7
55°	1493.4	692.3	59.6	51.9	46.7	41.5	33.7	25.9	18.1	15.6	15.6
57.5°	1529.7	663.8	54.4	46.7	41.5	36.3	28.5	20.7	13.0	10.4	10.4
60°	1560.9	624.9	49.3	44.1	38.9	31.1	23.3	15.6	7.8	5.2	5.2
62.5°	1576.4	565.2	44.1	38.9	33.7	25.9	18.1	10.4	5.2	2.6	2.6
65°	1532.3	474.5	41.5	33.7	28.5	20.7	13.0	5.2	2.6	0.0	0.0
67.5°	1252.3	305.9	33.7	28.5	23.3	15.6	10.4	5.2	2.6	0.0	0.0
70°	643.0	129.6	28.5	23.3	20.7	13.0	7.8	2.6	0.0	0.0	0.0
72.5°	168.5	46.7	23.3	20.7	18.1	13.0	5.2	2.6	0.0	0.0	0.0
75°	51.9	31.1	18.1	15.6	15.6	10.4	5.2	2.6	0.0	0.0	0.0
77.5°	36.3	23.3	15.6	13.0	13.0	10.4	5.2	2.6	0.0	0.0	0.0
80°	28.5	20.7	13.0	10.4	13.0	13.0	5.2	2.6	0.0	0.0	0.0
82.5°	23.3	18.1	10.4	10.4	13.0	13.0	7.8	2.6	0.0	0.0	0.0
85°	18.1	13.0	10.4	10.4	13.0	10.4	5.2	2.6	0.0	0.0	0.0
87.5°	5.2	5.2	2.6	2.6	2.6	5.2	5.2	2.6	0.0	0.0	0.0
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)