

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: P322000

Luminaire Tested: **GAN-SA6B-760-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-760-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24314 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G4

Input Watts (W): 249
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: 24 FT

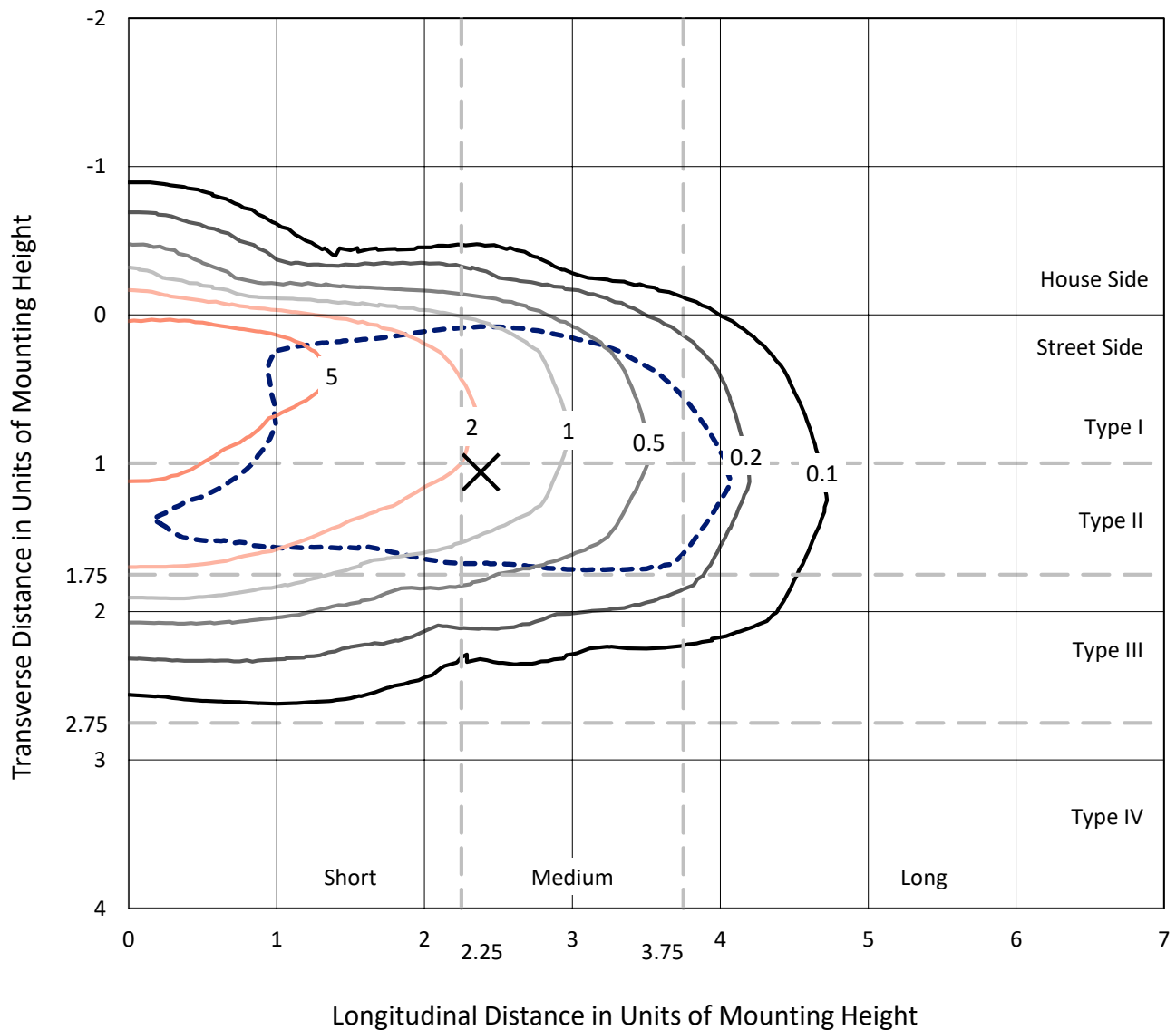


REPORT NUMBER: P322000

CATALOG NUMBER: GAN-SA6B-760-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

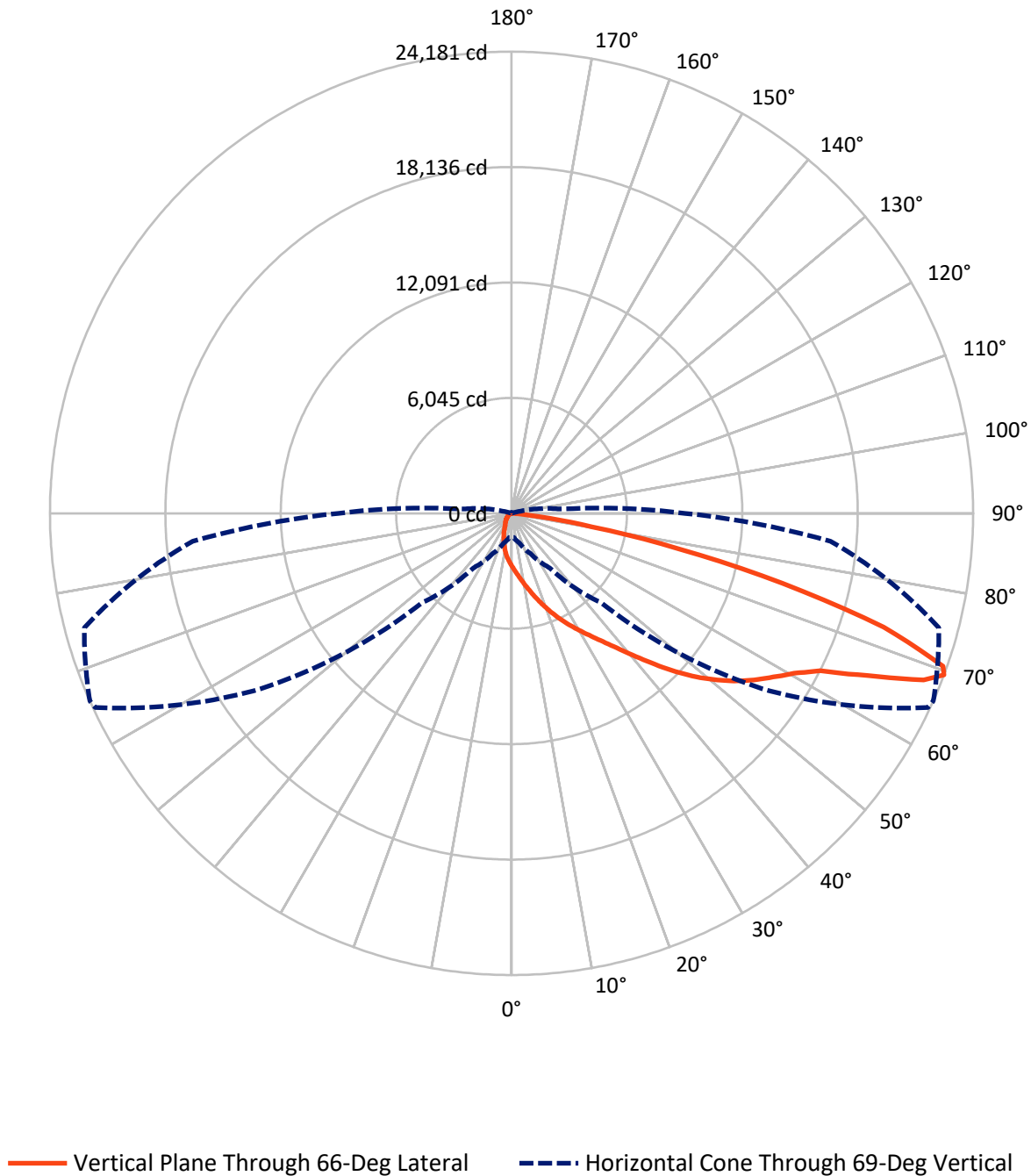
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P322000
CATALOG NUMBER: GAN-SA6B-760-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P322000

CATALOG NUMBER: GAN-SA6B-760-U-T2-HSS

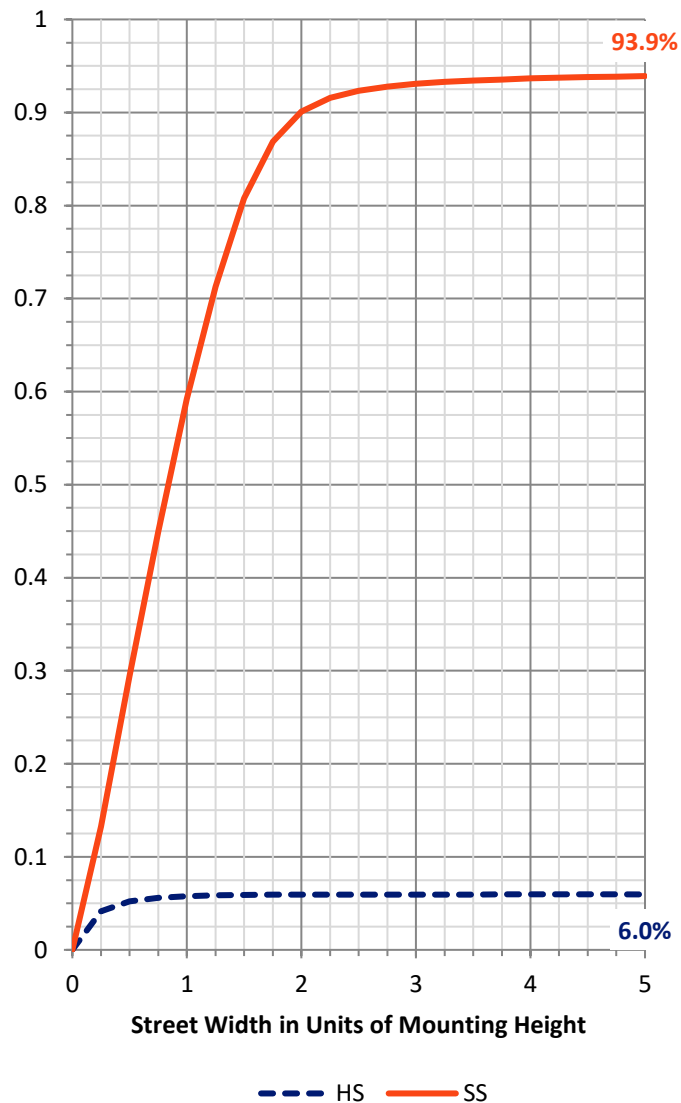
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1458.5	0.0	1458.5
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	22855.5	0.0	22855.5
	% Fixture	94.0	0.0	94.0
Total	Lumens	24314.0	0.0	24314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.5	1.1
10°-20°	796.0	3.3
20°-30°	1386.2	5.7
30°-40°	2432.1	10.0
40°-50°	4070.9	16.7
50°-60°	5983.8	24.6
60°-70°	6143.9	25.3
70°-80°	3033.1	12.5
80°-90°	200.5	0.8
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°	24314.0	100.0
0°-180°	24314.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322000

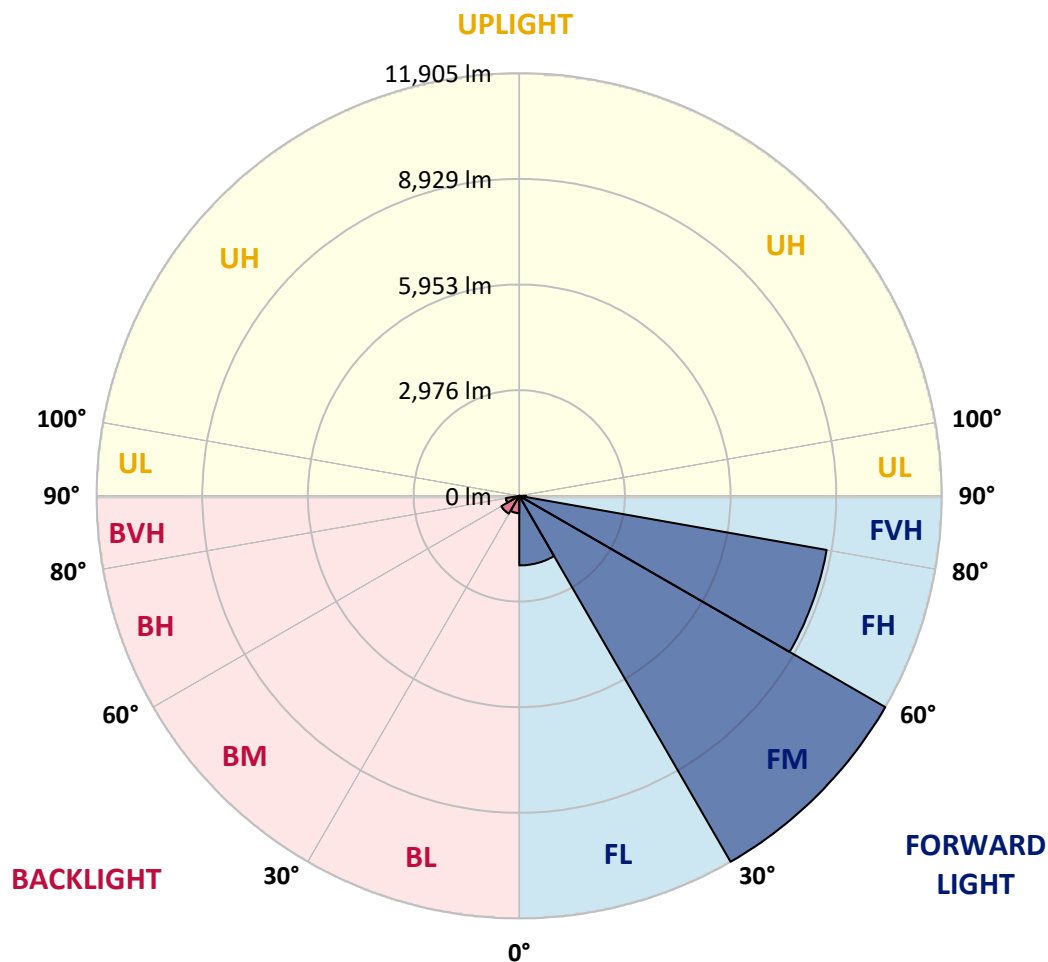
CATALOG NUMBER: GAN-SA6B-760-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1961.9	8.1			
FM	(30°-60°)	11905.3	49.0			
FH	(60°-80°)	8792.6	36.2			G4/12000
FVH	(80°-90°)	195.7	0.8			G2/225
BL	(0°-30°)	487.8	2.0	B1/500		
BM	(30°-60°)	581.5	2.4	B1/1000		
BH	(60°-80°)	384.4	1.6	B1/500		G1/500
BVH	(80°-90°)	4.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4

Type II Medium





REPORT NUMBER: P322000

CATALOG NUMBER: GAN-SA6B-760-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0
2.5°	3256.7	3242.8	3237.0	3211.6	3167.7	3134.3	3069.6	2994.5	2980.7	2907.9	2819.0
5°	3679.3	3667.8	3659.7	3623.9	3578.9	3494.6	3376.8	3237.0	3210.5	3071.9	2894.0
7.5°	3973.8	3994.6	3994.6	3971.5	3914.9	3851.4	3707.1	3516.5	3483.0	3270.5	2994.5
10°	4145.9	4171.3	4190.9	4210.6	4202.5	4177.1	4040.8	3826.0	3785.6	3503.8	3111.2
12.5°	4162.1	4187.5	4242.9	4324.9	4404.6	4462.3	4376.9	4169.0	4122.8	3774.0	3249.7
15°	4072.0	4098.5	4184.0	4343.4	4536.2	4704.8	4732.6	4548.9	4501.6	4096.2	3423.0
17.5°	3914.9	3932.3	4054.7	4275.2	4577.8	4887.3	5054.8	4956.6	4912.7	4464.6	3615.8
20°	3798.3	3811.0	3918.4	4155.1	4552.4	5001.6	5359.6	5389.7	5343.5	4859.6	3824.9
22.5°	3998.1	4021.2	4024.6	4136.7	4483.1	5058.2	5627.6	5815.8	5781.2	5278.8	4030.4
25°	4544.3	4570.9	4483.1	4413.8	4542.0	5083.6	5857.4	6252.3	6224.6	5730.3	4237.1
27.5°	5266.1	5293.8	5180.6	4973.9	4850.4	5179.5	6061.8	6695.8	6694.6	6208.5	4460.0
30°	5975.2	6002.9	5887.4	5680.7	5396.6	5450.9	6238.5	7160.0	7167.0	6701.6	4696.8
32.5°	6718.9	6753.5	6634.6	6369.0	6072.2	5919.7	6486.8	7626.6	7665.9	7273.2	4963.5
35°	7564.2	7568.9	7401.4	7123.1	6781.3	6546.8	6885.2	8149.7	8243.3	7981.1	5301.9
37.5°	8393.4	8426.9	8289.5	7850.6	7536.5	7270.9	7477.6	8803.4	8936.2	8846.1	5744.2
40°	9007.8	9078.2	9058.6	8585.1	8287.2	8097.8	8213.3	9580.6	9749.2	9853.1	6302.0
42.5°	9393.5	9446.6	9536.7	9251.5	8981.2	9012.4	9081.7	10486.0	10693.9	11001.1	6942.9
45°	9835.8	9861.2	9936.3	9810.4	9628.0	9942.1	10003.3	11505.7	11724.0	12235.6	7654.3
47.5°	10376.3	10436.3	10457.1	10341.6	10258.5	10764.3	10891.4	12433.1	12739.1	13557.9	8407.3
50°	11064.6	11080.7	11116.5	11041.5	10958.3	11471.1	11688.2	13406.6	13684.9	14884.8	9149.8
52.5°	11737.9	11795.6	11920.3	11873.0	11839.5	12072.8	12398.4	14284.3	14594.9	15991.2	9891.3
55°	11931.9	11981.5	12412.3	12706.8	12979.3	12814.2	13077.5	15070.7	15406.8	16979.7	10605.0
57.5°	11157.0	11257.4	12003.5	12770.3	13900.9	13966.7	14010.6	15878.0	16179.4	17737.3	11347.5
60°	9198.3	9218.0	10442.1	11757.5	13748.4	14972.6	15373.3	16745.3	16998.2	18442.9	12236.7
62.5°	5850.5	6050.2	7393.3	9250.3	12136.3	14827.1	17021.3	18057.2	18149.6	19289.4	13511.7
65°	2786.6	2916.0	3883.7	5715.3	8790.7	12964.3	18158.8	20430.4	20472.0	20967.4	15215.1
67.5°	1542.9	1605.2	2066.0	3076.5	5139.1	9168.3	17699.2	23241.3	23280.5	22681.2	16709.5
69°	1206.8	1259.9	1622.6	2318.9	3484.2	6589.6	16016.6	24064.7	24181.3	23172.0	16762.6
70°	1024.3	1076.3	1397.4	1958.6	2801.7	5091.7	14256.6	23860.3	23983.8	23125.8	16366.5
72.5°	627.1	657.1	930.8	1378.9	1877.8	2561.4	8791.8	20178.6	20387.7	21213.4	14066.0
75°	422.7	438.8	582.0	951.6	1343.1	1318.8	4567.4	14223.1	14675.8	16501.6	10389.0
77.5°	302.6	317.6	390.3	615.5	941.2	870.8	2068.3	8839.2	8936.2	9897.0	5665.7
80°	172.1	185.9	276.0	366.1	638.6	580.9	822.3	4222.1	4270.6	4244.1	1891.6
82.5°	90.1	101.6	151.3	241.4	410.0	379.9	341.8	1413.5	1420.5	1181.4	414.6
85°	17.3	20.8	75.1	165.1	211.3	165.1	139.7	331.4	338.4	299.1	102.8
87.5°	0.0	1.2	30.0	37.0	41.6	42.7	45.0	64.7	69.3	93.5	27.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P322000

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0	2767.0
2.5°	2779.7	2738.1	2658.5	2566.1	2494.5	2424.0	2368.6	2310.8	2290.1	2279.7	2278.5
5°	2807.4	2719.7	2551.1	2377.8	2235.8	2101.8	2006.0	1914.7	1872.0	1852.4	1844.3
7.5°	2853.6	2712.7	2441.3	2176.9	1972.5	1805.0	1672.2	1572.9	1523.2	1502.5	1494.4
10°	2907.9	2703.5	2313.2	1964.4	1703.4	1530.2	1398.5	1300.4	1246.1	1223.0	1211.4
12.5°	2971.4	2687.3	2165.3	1749.6	1473.6	1300.4	1141.0	1019.7	957.4	930.8	918.1
15°	3049.9	2671.2	2010.6	1547.5	1271.5	1060.1	885.8	803.8	791.1	786.5	787.6
17.5°	3127.3	2645.8	1842.0	1347.7	1059.0	828.0	739.1	734.5	736.8	736.8	736.8
20°	3196.6	2588.0	1658.4	1176.8	856.9	698.7	680.2	672.1	666.3	661.7	656.0
22.5°	3250.9	2510.6	1481.7	1007.0	699.8	639.8	610.9	585.5	564.7	550.9	543.9
25°	3287.8	2407.9	1320.0	844.2	629.4	582.0	530.1	487.3	455.0	435.4	427.3
27.5°	3315.6	2297.0	1175.6	706.8	580.9	515.1	446.9	396.1	362.6	345.3	338.4
30°	3335.2	2171.1	1048.6	621.3	526.6	444.6	371.9	322.2	298.0	288.7	284.1
32.5°	3353.7	2031.4	928.5	580.9	475.8	379.9	311.8	273.7	258.7	247.1	243.7
35°	3399.9	1902.0	814.2	538.2	423.8	324.5	267.9	240.2	225.2	218.3	216.0
37.5°	3509.6	1806.2	704.5	494.3	371.9	280.6	234.4	214.8	200.9	194.0	191.7
40°	3686.3	1757.7	612.1	446.9	321.0	247.1	212.5	194.0	179.0	168.6	166.3
42.5°	3946.1	1764.6	547.4	399.6	280.6	220.6	191.7	169.8	153.6	144.4	142.0
45°	4261.4	1815.4	502.4	353.4	247.1	199.8	168.6	145.5	130.5	122.4	120.1
47.5°	4603.2	1897.4	465.4	311.8	220.6	180.2	145.5	121.3	108.6	101.6	100.5
50°	4963.5	1977.1	427.3	271.4	197.5	160.5	122.4	100.5	90.1	84.3	82.0
52.5°	5328.5	2069.5	392.6	234.4	177.8	137.4	101.6	82.0	73.9	69.3	67.0
55°	5721.1	2138.8	359.2	205.6	158.2	116.6	84.3	68.1	61.2	55.4	54.3
57.5°	6183.0	2246.2	324.5	177.8	135.1	97.0	69.3	54.3	48.5	42.7	41.6
60°	6806.7	2372.1	287.6	157.1	110.9	79.7	56.6	43.9	37.0	32.3	31.2
62.5°	7628.9	2511.8	241.4	137.4	90.1	64.7	45.0	34.6	26.6	20.8	20.8
65°	8671.7	2739.3	197.5	115.5	73.9	53.1	34.6	25.4	15.0	9.2	9.2
67.5°	9280.3	2778.6	159.4	94.7	60.1	45.0	28.9	17.3	4.6	1.2	0.0
69°	9085.2	2551.1	135.1	80.8	52.0	42.7	26.6	12.7	2.3	0.0	0.0
70°	8717.9	2332.8	118.9	71.6	47.3	40.4	25.4	9.2	2.3	0.0	0.0
72.5°	7203.9	1660.7	90.1	53.1	34.6	35.8	23.1	5.8	2.3	0.0	0.0
75°	5247.6	1009.3	64.7	37.0	21.9	26.6	16.2	2.3	1.2	0.0	0.0
77.5°	2919.5	475.8	40.4	20.8	13.9	16.2	8.1	0.0	0.0	0.0	0.0
80°	948.1	129.3	18.5	11.5	8.1	9.2	3.5	0.0	0.0	0.0	0.0
82.5°	175.5	37.0	10.4	5.8	2.3	2.3	0.0	0.0	0.0	0.0	0.0
85°	38.1	15.0	5.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	4.6	1.2	0.0	0.0	0.0	0.0	0.0	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)