

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: P319450

Luminaire Tested: **GAN-SA6C-760-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41443 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 333
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

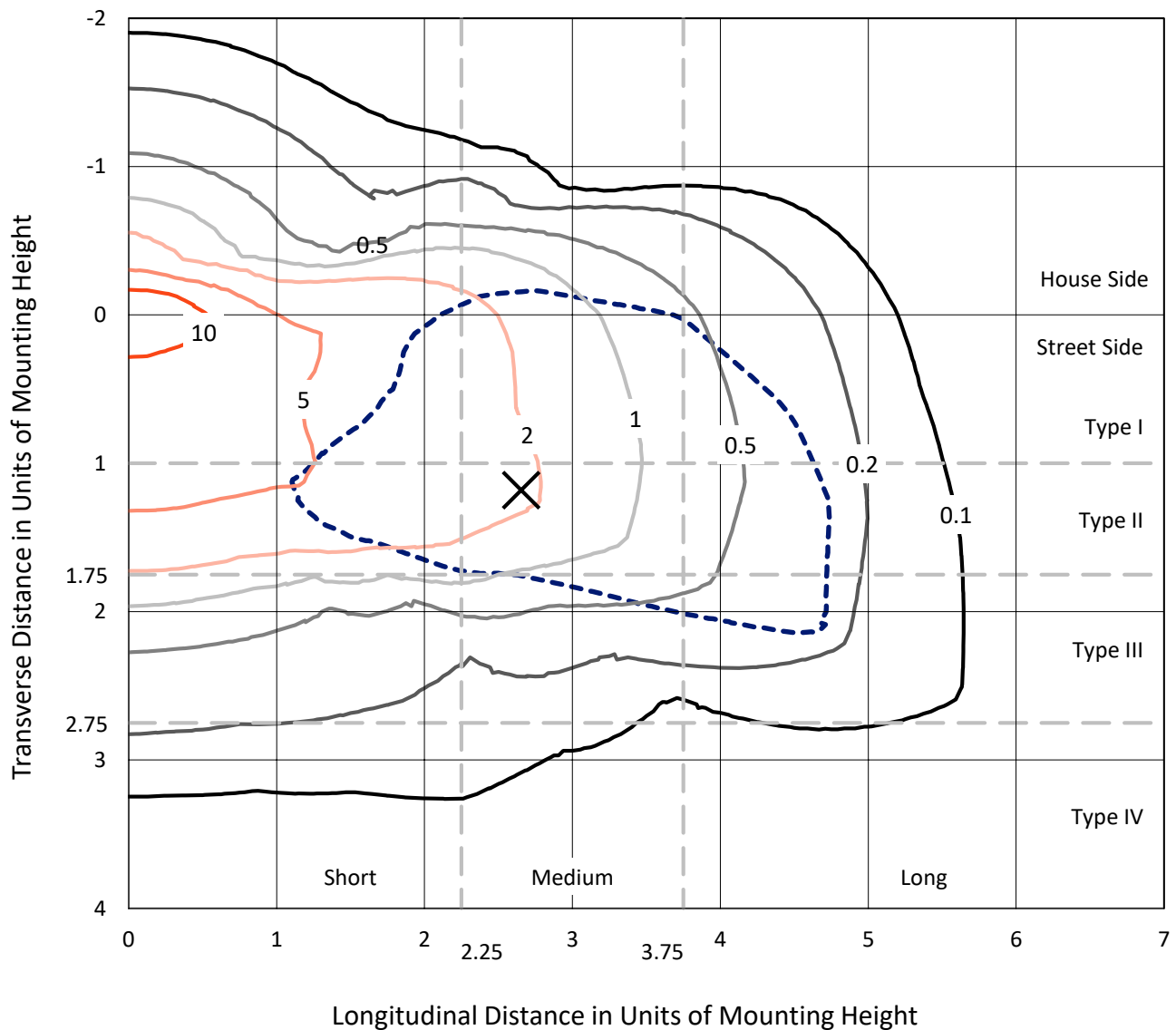


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Iso-Footcandle Lines of Horizontal Illumination

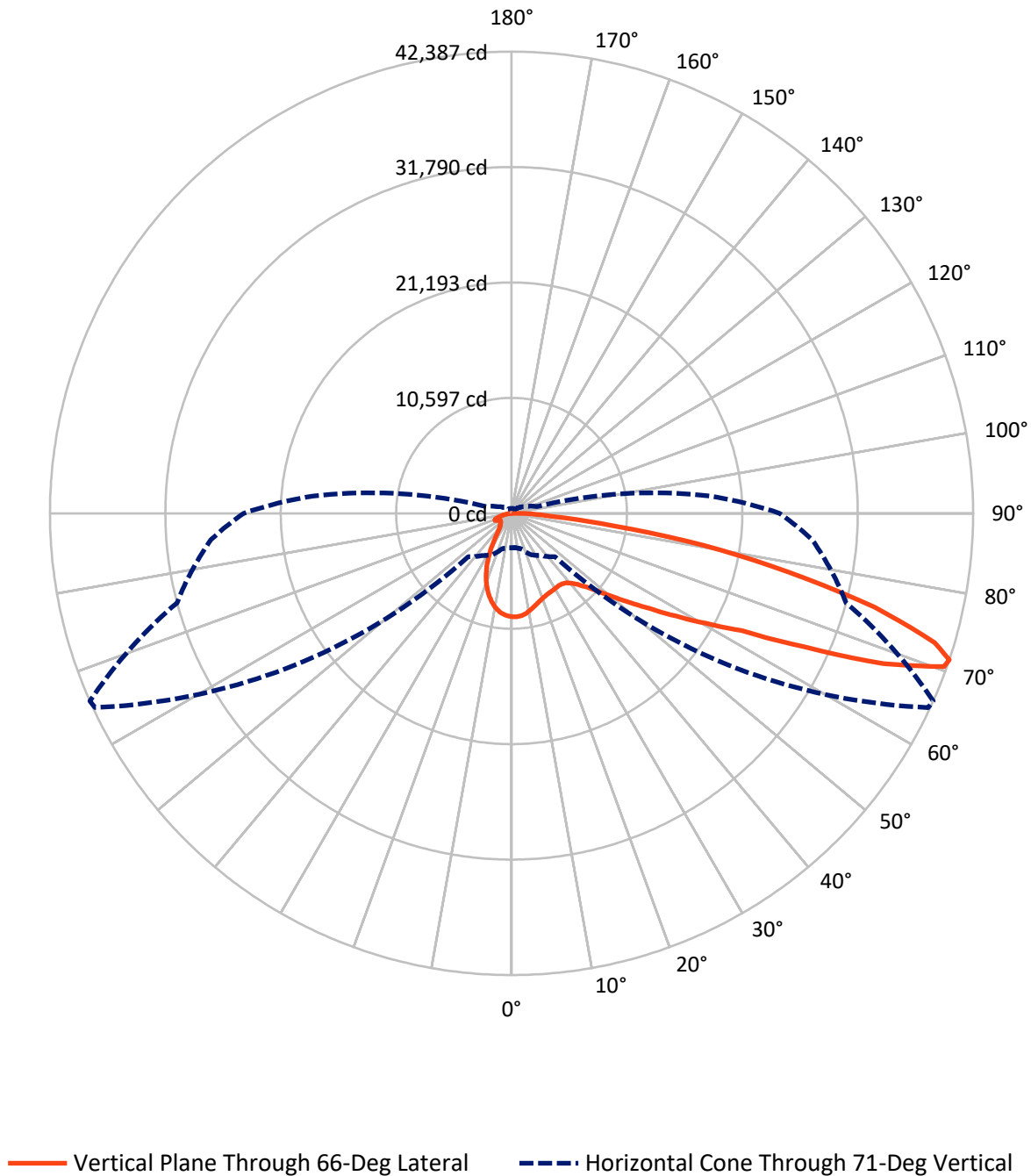
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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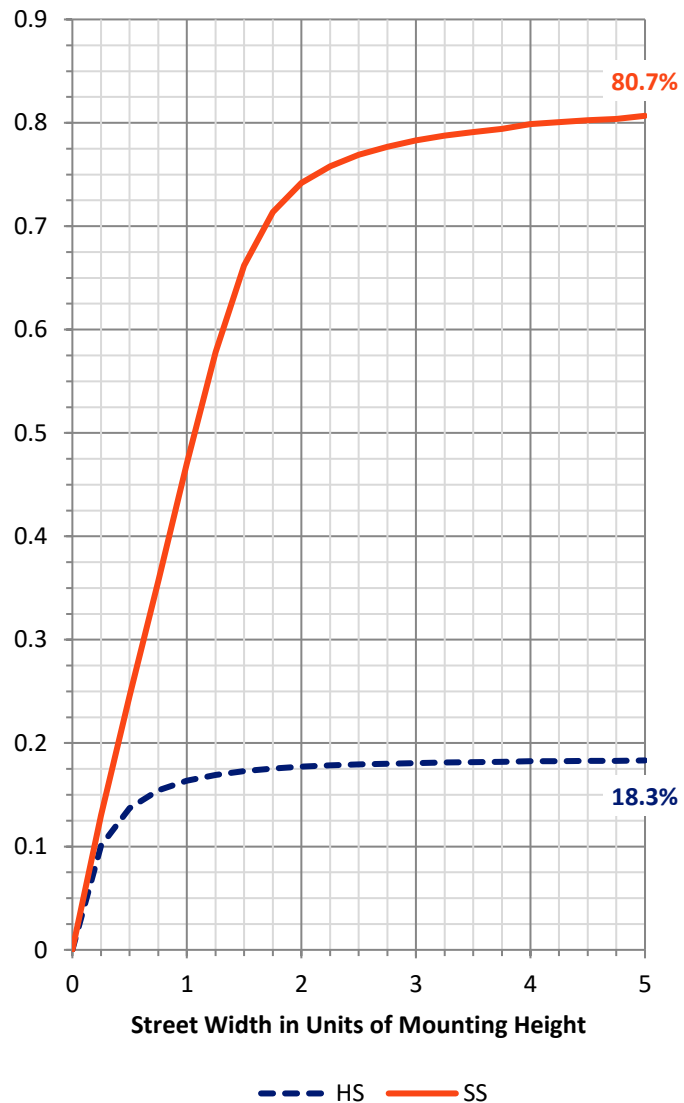
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7680.5	0.0	7680.5
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	33762.5	0.0	33762.5
	% Fixture	81.5	0.0	81.5
Total	Lumens	41443.0	0.0	41443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.7	2.0
10°-20°	2004.3	4.8
20°-30°	2692.3	6.5
30°-40°	3541.7	8.5
40°-50°	5152.2	12.4
50°-60°	8048.3	19.4
60°-70°	10081.8	24.3
70°-80°	7690.2	18.6
80°-90°	1396.5	3.4
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°	41443.0	100.0
0°-180°	41443.0	100.0

Coefficient of Utilization



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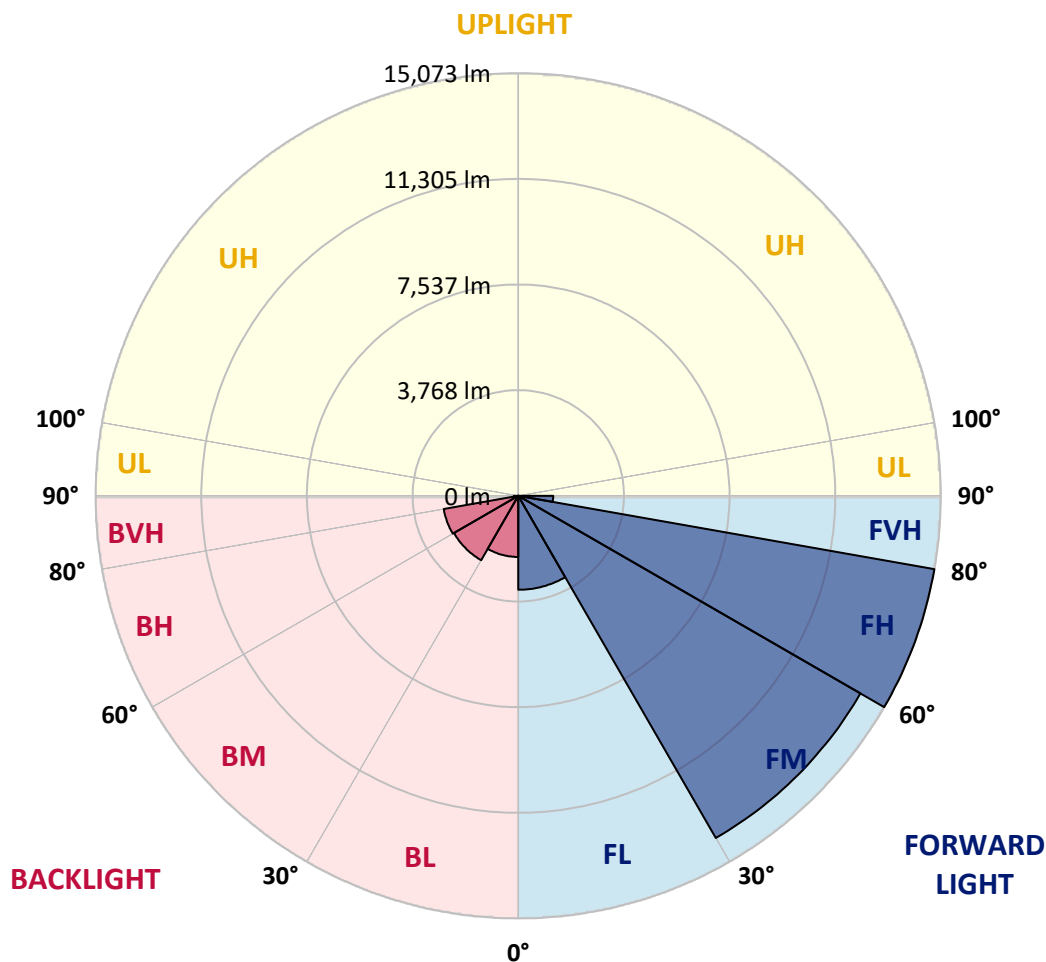
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3351.2	8.1			
FM	(30°-60°)	14092.7	34.0			
FH	(60°-80°)	15073.3	36.4			G5
FVH	(80°-90°)	1245.3	3.0			G5
BL	(0°-30°)	2181.1	5.3	B3/2500		
BM	(30°-60°)	2649.5	6.4	B3/5000		
BH	(60°-80°)	2698.8	6.5	B4/5000		G4/5000
BVH	(80°-90°)	151.2	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8
2.5°	9317.8	9303.5	9346.4	9390.8	9407.9	9436.6	9479.5	9503.8	9502.4	9506.7	9492.4
5°	8699.7	8681.1	8766.9	8837.0	8971.5	9123.2	9307.8	9439.4	9442.3	9516.7	9536.7
7.5°	8114.4	8101.6	8200.3	8313.3	8469.3	8701.1	9000.1	9283.5	9300.6	9502.4	9572.5
10°	7645.1	7642.2	7738.1	7861.2	8042.9	8301.9	8645.3	9060.2	9086.0	9433.7	9578.2
12.5°	7278.8	7284.5	7367.5	7507.7	7699.5	7969.9	8341.9	8809.8	8851.3	9324.9	9545.3
15°	7008.4	7031.3	7098.5	7240.2	7429.1	7703.8	8085.8	8578.0	8641.0	9203.3	9526.7
17.5°	6853.8	6879.6	6926.8	7044.1	7221.6	7486.3	7848.3	8387.7	8445.0	9110.3	9528.1
20°	6808.1	6829.5	6856.7	6928.2	7078.5	7318.9	7660.9	8216.0	8277.6	9035.9	9542.4
22.5°	6898.2	6913.9	6916.8	6911.1	7002.7	7198.7	7524.9	8090.1	8155.9	8987.3	9552.5
25°	7091.4	7112.8	7097.1	7044.1	7014.1	7134.3	7454.8	8007.1	8072.9	8951.5	9532.4
27.5°	7381.8	7384.7	7371.8	7303.1	7161.5	7141.4	7433.3	7958.5	8021.4	8910.0	9490.9
30°	7776.8	7795.4	7772.5	7679.5	7447.7	7255.9	7459.1	7911.3	7968.5	8857.1	9423.7
32.5°	8238.9	8284.7	8283.3	8186.0	7854.0	7512.0	7565.0	7882.6	7927.0	8801.3	9342.1
35°	8718.3	8781.2	8898.5	8857.1	8446.4	7917.0	7768.2	7928.4	7958.5	8794.1	9284.9
37.5°	9216.2	9279.2	9521.0	9632.6	9151.8	8496.5	8088.7	8090.1	8104.4	8881.4	9280.6
40°	9737.0	9804.3	10167.7	10458.2	10066.1	9230.5	8605.2	8427.8	8412.1	9096.0	9365.0
42.5°	10466.8	10526.9	10963.3	11333.9	11080.6	10170.6	9319.2	8948.6	8915.7	9516.7	9635.4
45°	11389.7	11441.2	11904.8	12301.1	12170.9	11243.7	10216.4	9665.5	9659.8	10217.8	10183.5
47.5°	12487.2	12527.2	12943.6	13327.1	13374.3	12478.6	11343.9	10771.6	10678.5	11179.3	11032.0
50°	13630.4	13674.8	13958.1	14370.2	14720.7	14131.2	12794.8	12126.6	12002.1	12448.5	12233.9
52.5°	14387.3	14446.0	14692.1	15214.4	16234.6	15942.7	14510.4	13769.2	13580.3	13986.7	13822.2
55°	14049.7	14181.3	14557.6	15394.7	17445.1	18710.0	16626.7	15685.1	15471.9	15809.6	15712.3
57.5°	12514.3	12694.6	13208.3	14500.4	17615.4	21148.2	19826.1	17941.6	17791.4	17694.1	17738.4
60°	9708.4	9881.6	10518.3	12202.4	16429.2	22928.2	24640.9	20723.2	20505.7	19585.7	19625.7
62.5°	6871.0	6783.7	7220.1	8452.1	13350.0	23137.1	30119.7	24443.5	23728.0	21583.2	21407.2
65°	5239.8	5219.8	5415.8	5807.9	8085.8	20637.4	33383.5	30696.3	29578.8	23932.6	23517.7
67.5°	4305.5	4269.7	4462.9	5033.8	5206.9	13314.2	33455.1	37950.8	36853.4	26857.3	25958.8
70°	3540.0	3499.9	3680.2	4417.1	4812.0	6752.3	28156.6	42199.1	42140.4	30560.4	27801.7
71°	3173.7	3145.0	3361.1	4179.6	4727.6	5627.6	24310.4	42210.5	42386.5	31813.9	27693.0
72.5°	2584.1	2594.2	2823.1	3720.2	4664.6	4969.4	17867.2	40243.1	40615.1	33008.6	26704.2
75°	1717.0	1725.6	2026.1	2861.7	4523.0	4862.1	9820.0	33768.4	34452.4	32293.2	24367.6
77.5°	1153.3	1150.4	1355.0	1963.1	3940.6	4862.1	5757.8	25256.2	26007.4	25695.5	18785.8
80°	794.1	788.4	932.9	1355.0	2983.4	4920.7	4451.4	17699.8	17927.3	13876.5	7635.1
82.5°	486.5	490.8	609.5	957.2	2030.4	4428.5	4202.5	9651.2	9403.6	3892.0	1907.3
85°	279.0	277.6	389.2	648.2	1303.5	3737.4	4098.0	4153.8	3810.4	1171.9	689.7
87.5°	100.2	107.3	208.9	359.1	746.9	2602.7	3477.0	2160.6	1947.4	529.4	311.9
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°	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8	9493.8
2.5°	9482.3	9490.9	9480.9	9423.7	9375.0	9296.3	9252.0	9190.4	9171.8	9163.3	9186.2
5°	9518.1	9521.0	9436.6	9286.3	9117.5	8918.6	8775.5	8599.5	8516.5	8480.7	8503.6
7.5°	9551.0	9538.1	9353.6	9066.0	8754.0	8407.8	8100.1	7818.2	7653.7	7586.4	7592.2
10°	9555.3	9500.9	9204.8	8759.8	8276.1	7768.2	7296.0	6861.0	6586.3	6407.4	6461.8
12.5°	9511.0	9419.4	8985.8	8363.4	7692.3	6999.8	6361.6	5709.2	5317.1	5135.4	5141.1
15°	9476.6	9310.6	8716.8	7896.9	6995.5	6078.3	5206.9	4440.0	4022.2	3836.1	3748.9
17.5°	9448.0	9193.3	8404.9	7371.8	6172.8	5009.5	3962.1	3278.1	3049.2	2994.8	2971.9
20°	9407.9	9068.8	8057.2	6763.7	5235.5	3813.3	2893.2	2555.5	2557.0	2619.9	2628.5
22.5°	9352.1	8927.2	7686.6	6081.2	4229.6	2777.3	2267.9	2170.6	2269.4	2389.5	2411.0
25°	9269.1	8759.8	7274.5	5327.1	3225.2	2134.9	1937.4	1933.1	2053.3	2179.2	2197.8
27.5°	9151.8	8540.8	6816.6	4517.2	2376.7	1814.3	1735.6	1765.7	1854.4	1946.0	1953.1
30°	8994.4	8286.1	6311.5	3663.0	1863.0	1615.4	1606.9	1634.0	1688.4	1752.8	1758.5
32.5°	8821.3	8027.2	5772.1	2836.0	1595.4	1508.1	1516.7	1529.6	1555.4	1581.1	1586.8
35°	8663.9	7762.4	5219.8	2154.9	1468.1	1438.0	1432.3	1429.4	1432.3	1423.7	1425.1
37.5°	8562.3	7543.5	4644.6	1715.6	1395.1	1376.5	1359.3	1337.9	1313.5	1299.2	1302.1
40°	8525.1	7380.4	4062.2	1482.4	1335.0	1322.1	1289.2	1243.4	1214.8	1206.2	1206.2
42.5°	8625.3	7296.0	3499.9	1365.0	1284.9	1263.5	1209.1	1156.1	1134.7	1133.2	1131.8
45°	8931.5	7330.3	2964.8	1300.7	1239.1	1197.6	1126.1	1081.7	1067.4	1070.3	1068.9
47.5°	9480.9	7546.4	2506.9	1257.7	1193.3	1139.0	1058.8	1023.1	1005.9	1005.9	1007.3
50°	10415.3	8051.5	2142.0	1222.0	1154.7	1084.6	1010.2	965.8	942.9	941.5	941.5
52.5°	11776.0	8955.8	1914.5	1191.9	1111.8	1035.9	961.5	905.7	878.6	872.8	870.0
55°	13481.6	10252.1	1851.5	1171.9	1054.5	983.0	902.9	847.1	817.0	804.1	802.7
57.5°	15389.0	11829.0	1976.0	1147.6	995.9	920.0	838.5	785.5	754.1	738.3	736.9
60°	17319.2	13550.3	2484.0	1113.2	947.2	851.4	772.7	724.0	692.5	675.4	672.5
62.5°	19252.3	15364.6	3521.4	1110.4	912.9	785.5	705.4	663.9	633.9	615.3	611.0
65°	21432.9	17350.7	4700.4	1186.2	901.4	725.4	636.7	603.8	578.1	560.9	559.5
67.5°	23936.9	19592.8	4587.4	1342.2	940.1	671.1	572.3	546.6	528.0	513.7	512.2
70°	25111.7	19242.3	2851.7	1452.3	994.5	618.1	510.8	492.2	477.9	467.9	463.6
71°	24619.5	18270.7	2391.0	1439.5	988.7	595.2	486.5	472.2	457.9	449.3	445.0
72.5°	23277.3	16662.4	1994.6	1339.3	924.3	553.7	455.0	440.7	427.8	417.8	415.0
75°	20887.8	14881.0	1596.8	1070.3	736.9	467.9	399.2	383.5	373.5	367.7	362.0
77.5°	15354.6	10619.9	1234.8	845.6	542.3	382.0	340.5	329.1	319.1	310.5	306.2
80°	5882.3	4113.7	831.3	631.0	397.8	301.9	274.7	269.0	259.0	253.3	253.3
82.5°	1584.0	1229.1	443.6	382.0	266.1	220.4	210.3	207.5	198.9	187.4	188.9
85°	641.0	542.3	249.0	210.3	163.1	130.2	141.7	143.1	133.1	118.8	120.2
87.5°	281.9	230.4	138.8	93.0	71.5	50.1	64.4	64.4	58.7	48.6	44.4
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)