

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: P454865

Luminaire Tested: **GLAN-SA6A-730-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20213 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 182
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



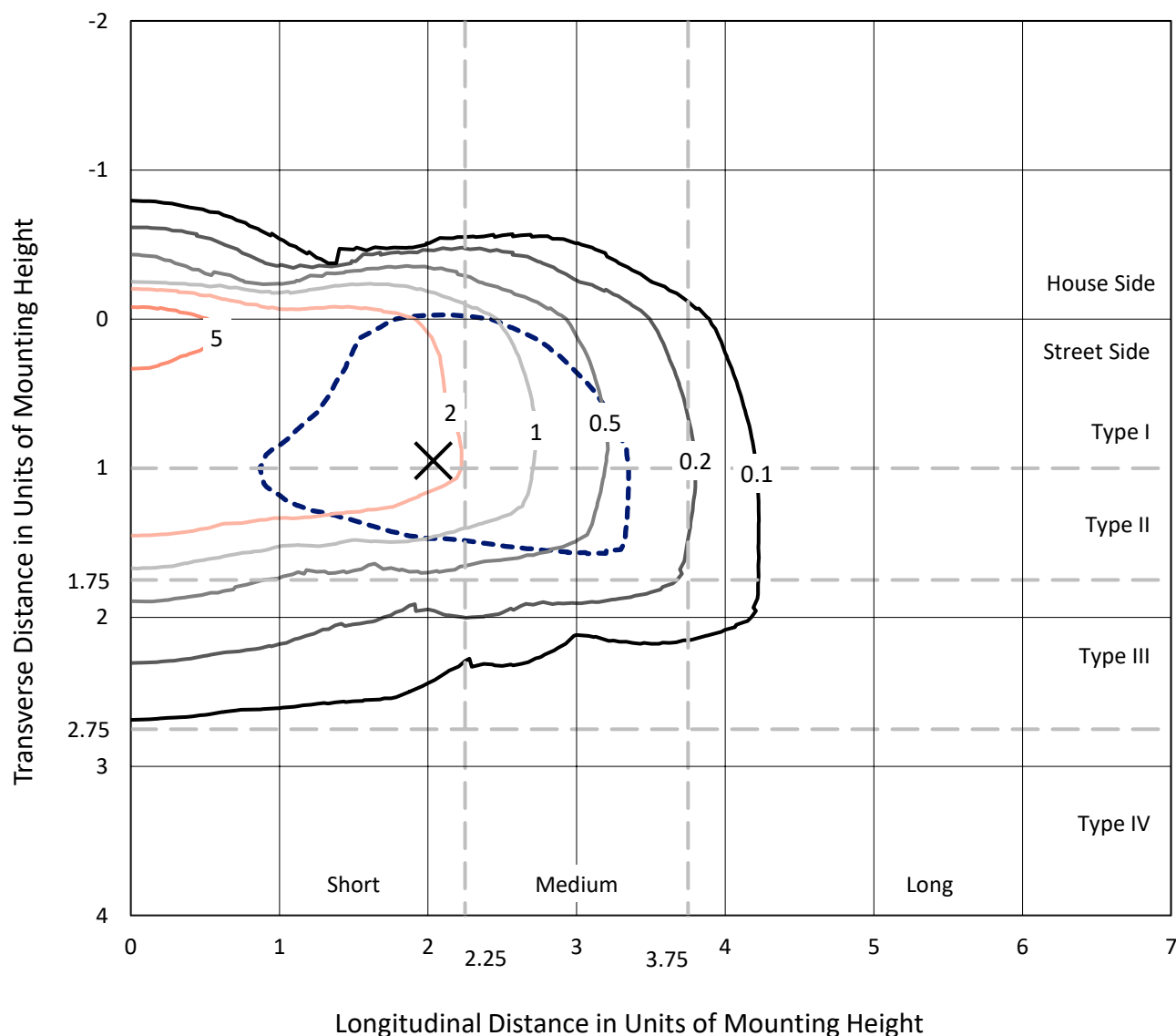
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

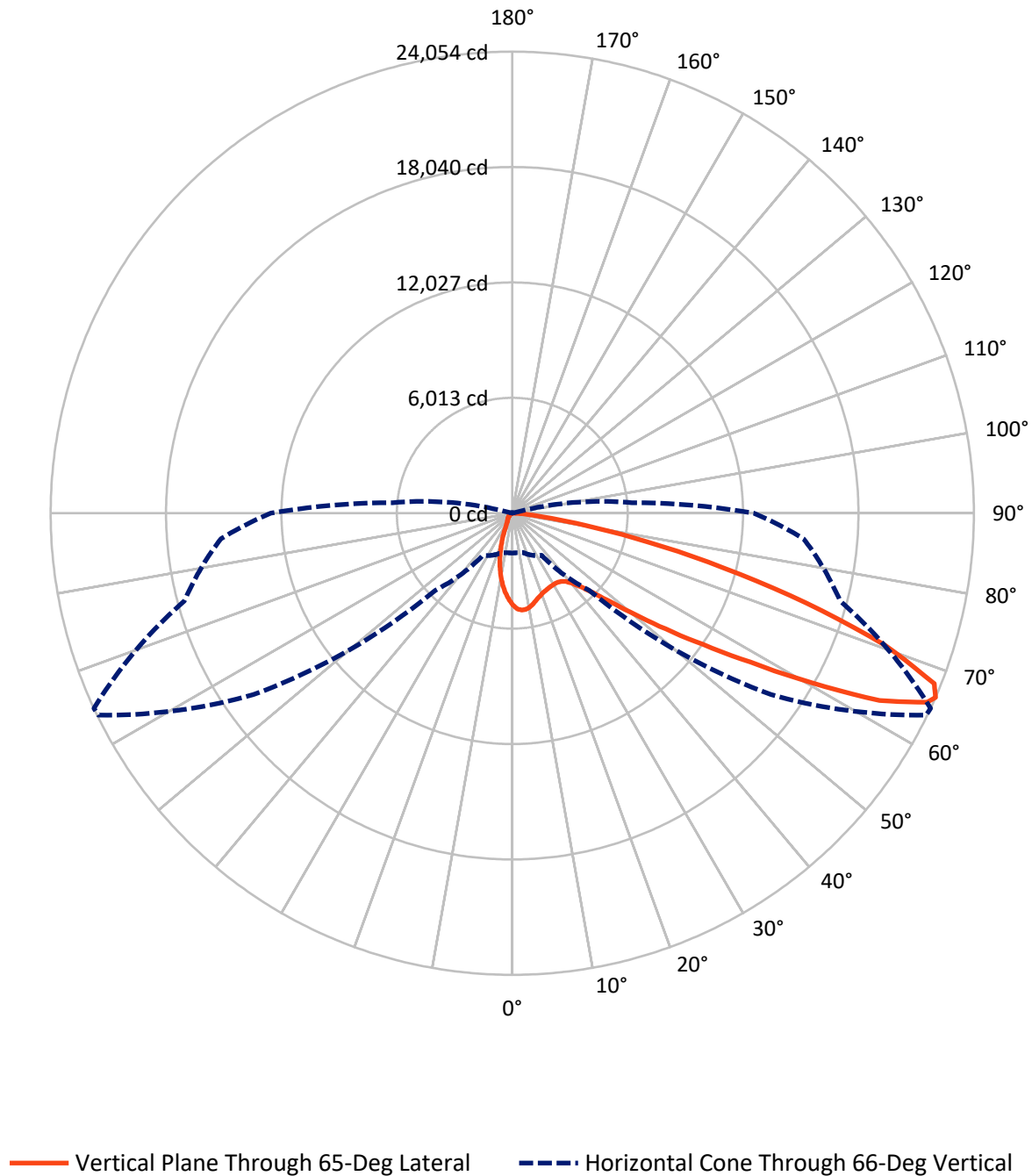
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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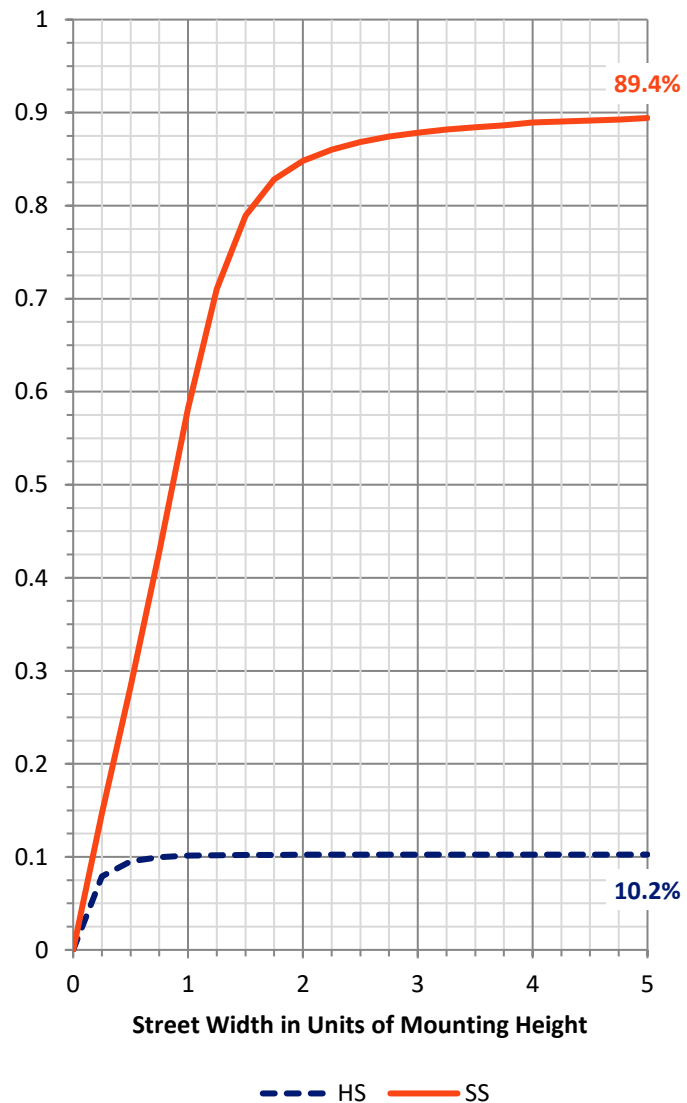
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2090.3	0.0	2090.3
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	18122.7	0.0	18122.7
	% Fixture	89.7	0.0	89.7
Total	Lumens	20213.0	0.0	20213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.0	1.9
10°-20°	854.1	4.2
20°-30°	1223.6	6.1
30°-40°	1787.1	8.8
40°-50°	2996.7	14.8
50°-60°	5001.0	24.7
60°-70°	5308.4	26.3
70°-80°	2404.2	11.9
80°-90°	246.0	1.2
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°	20213.0	100.0
0°-180°	20213.0	100.0

Coefficient of Utilization



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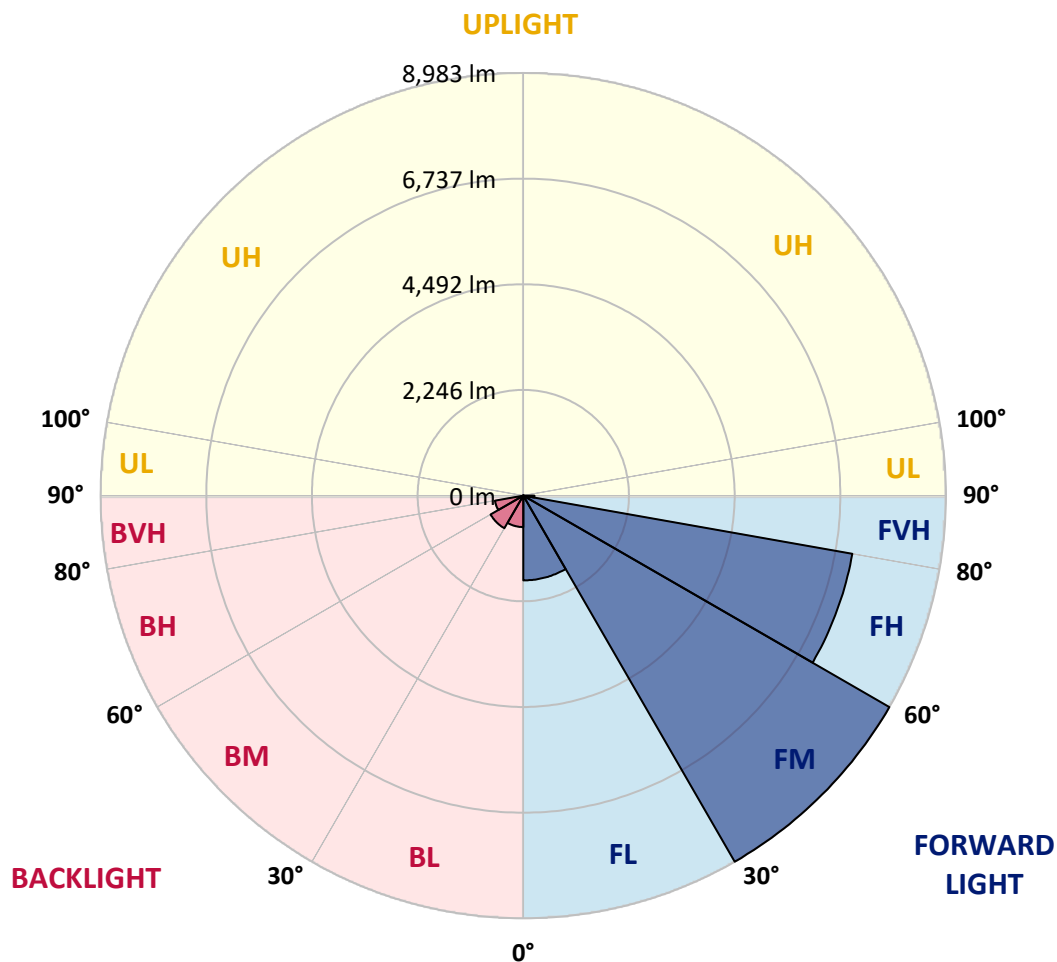
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1801.0	8.9			
FM	(30°-60°)	8983.1	44.4			
FH	(60°-80°)	7100.4	35.1			G3/7500
FVH	(80°-90°)	238.2	1.2			G3/500
BL	(0°-30°)	668.7	3.3	B2/1000		
BM	(30°-60°)	801.7	4.0	B1/1000		
BH	(60°-80°)	612.2	3.0	B2/1000		G2/1000
BVH	(80°-90°)	7.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2
2.5°	5051.3	5056.7	5063.6	5073.1	5079.9	5059.5	5030.8	4998.0	4991.2	4921.6	4836.9
5°	4781.0	4789.2	4849.2	4882.0	4955.7	5022.6	5064.9	5070.4	5067.7	5002.1	4867.0
7.5°	4396.0	4419.2	4477.9	4535.2	4673.1	4800.1	4950.2	5055.4	5062.2	5044.4	4876.5
10°	4083.3	4098.4	4128.4	4241.7	4356.4	4550.2	4760.5	4958.4	4974.8	5045.8	4868.3
12.5°	3839.0	3860.8	3897.7	3985.0	4122.9	4305.9	4544.8	4811.0	4845.1	5019.9	4845.1
15°	3668.3	3679.2	3716.1	3802.1	3935.9	4105.2	4346.8	4656.7	4686.8	4985.7	4841.0
17.5°	3587.8	3600.1	3626.0	3694.3	3804.8	3961.8	4198.0	4532.5	4570.7	4963.9	4856.0
20°	3609.6	3620.5	3621.9	3657.4	3732.5	3864.9	4088.8	4416.5	4465.6	4950.2	4880.6
22.5°	3733.8	3735.2	3718.8	3702.4	3728.4	3823.9	4021.9	4342.7	4393.2	4947.5	4909.3
25°	3919.5	3923.6	3896.3	3839.0	3787.1	3836.2	4006.9	4294.9	4340.0	4940.7	4927.0
27.5°	4176.2	4174.8	4166.6	4071.1	3923.6	3890.8	4019.2	4269.0	4307.2	4921.6	4933.9
30°	4535.2	4524.3	4506.6	4398.7	4173.4	4023.3	4071.1	4252.6	4288.1	4894.3	4916.1
32.5°	4888.8	4929.8	4927.0	4824.6	4543.4	4259.5	4178.9	4274.5	4300.4	4876.5	4890.2
35°	5301.1	5299.7	5404.9	5366.6	5037.6	4561.2	4363.2	4346.8	4367.3	4888.8	4877.9
37.5°	5683.4	5718.9	5882.7	5922.3	5621.9	4987.1	4624.0	4502.5	4509.3	4972.1	4907.9
40°	6159.8	6228.1	6472.5	6604.9	6340.0	5619.2	5009.0	4787.8	4789.2	5176.9	5021.2
42.5°	6774.2	6882.0	7110.0	7331.2	7189.2	6367.3	5586.4	5239.7	5236.9	5537.3	5280.6
45°	7520.9	7596.0	7855.4	8206.3	8116.2	7411.7	6427.4	5940.0	5904.5	6128.4	5740.7
47.5°	8165.3	8267.7	8531.2	8931.2	9340.8	8686.8	7432.2	6902.5	6879.3	7069.1	6529.8
50°	8446.5	8536.7	8813.8	9374.9	10367.4	10360.6	8928.5	8307.3	8267.7	8370.1	7750.3
52.5°	8138.0	8222.7	8502.5	9201.5	10850.7	12400.2	11096.4	10069.8	10022.0	9890.9	9208.3
55°	7081.3	7151.0	7564.6	8367.4	10665.0	13759.9	14083.5	12247.3	12061.6	11552.4	10858.9
57.5°	5638.3	5602.8	5859.5	6791.9	9575.6	14215.9	17149.8	14960.0	14628.2	12988.6	12255.5
60°	3907.2	4016.4	4120.2	4734.5	7200.1	13425.5	19056.9	18370.2	17933.4	14401.6	13593.4
62.5°	2872.4	2944.8	3013.0	3297.0	4527.0	10719.6	19394.2	21873.4	21485.7	15902.0	14869.9
65°	2271.7	2277.2	2304.5	2584.3	2983.0	6970.8	17773.7	23848.8	23749.2	17346.3	15387.3
66°	2069.7	2071.0	2113.3	2413.7	2677.2	5676.5	16475.3	23999.0	24053.6	17693.1	15235.7
67.5°	1808.9	1803.4	1864.9	2169.3	2438.3	4092.9	14151.8	23390.1	23713.7	17959.3	14691.0
70°	1402.1	1395.2	1470.3	1819.8	2245.8	2730.4	9406.3	20083.6	20605.1	17414.6	12998.2
72.5°	933.8	939.3	1067.6	1436.2	2143.4	2404.1	5658.8	15278.1	16015.3	14381.1	10225.4
75°	544.7	554.3	700.4	1067.6	1860.8	2292.2	3202.8	10894.4	11365.4	9930.5	6370.1
77.5°	285.3	289.4	391.8	704.4	1426.6	2128.4	2133.8	6959.8	7181.0	4826.0	2521.5
80°	151.5	147.4	210.2	424.6	981.6	1869.0	1731.1	3684.7	3830.8	1433.5	637.6
82.5°	57.3	62.8	111.9	278.5	580.2	1342.0	1490.8	1628.7	1578.2	315.4	267.6
85°	10.9	13.7	47.8	165.2	292.2	561.1	1099.0	798.6	739.9	118.8	154.3
87.5°	1.4	2.7	13.7	39.6	42.3	189.8	324.9	221.2	191.1	43.7	64.2
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°	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2	4793.2
2.5°	4796.0	4759.1	4636.2	4514.7	4390.5	4278.6	4202.1	4077.9	4046.5	4001.4	3975.5
5°	4786.4	4700.4	4464.2	4206.2	3965.9	3706.5	3508.6	3317.5	3215.1	3163.2	3144.1
7.5°	4759.1	4622.6	4254.0	3849.9	3464.9	3077.2	2740.0	2483.3	2318.1	2204.8	2128.4
10°	4704.5	4516.1	4009.6	3454.0	2872.4	2360.4	1933.1	1608.2	1357.0	1277.8	1280.6
12.5°	4648.5	4397.3	3736.6	3014.4	2293.6	1647.8	1194.6	937.9	817.8	778.2	770.0
15°	4596.7	4284.0	3469.0	2588.4	1707.9	1067.6	770.0	679.9	647.1	640.3	638.9
17.5°	4569.4	4178.9	3183.7	2101.1	1191.8	724.9	617.1	592.5	582.9	576.1	573.4
20°	4546.1	4087.4	2910.6	1645.1	815.0	593.9	552.9	529.7	513.3	506.5	502.4
22.5°	4529.8	3993.2	2628.0	1273.7	623.9	527.0	490.1	460.1	436.9	428.7	423.2
25°	4505.2	3889.5	2342.7	931.1	525.6	468.3	425.9	390.4	360.4	345.4	342.7
27.5°	4469.7	3772.1	2030.1	689.4	469.6	416.4	364.5	320.8	290.8	274.4	275.8
30°	4412.4	3649.2	1717.4	547.4	424.6	363.1	307.2	264.9	236.2	223.9	222.5
32.5°	4344.1	3500.4	1430.7	469.6	383.6	315.4	256.7	219.8	198.0	188.4	187.0
35°	4279.9	3350.2	1138.6	421.8	341.3	271.7	215.7	184.3	167.9	159.7	161.1
37.5°	4244.4	3216.4	887.4	383.6	307.2	233.5	185.7	158.4	143.3	136.5	135.2
40°	4267.6	3107.2	705.8	349.5	268.9	200.7	159.7	136.5	121.5	111.9	111.9
42.5°	4376.9	3059.4	569.3	316.7	233.5	173.4	139.3	117.4	101.0	91.5	92.8
45°	4710.0	3109.9	476.5	286.7	200.7	150.2	120.1	96.9	81.9	75.1	73.7
47.5°	5262.9	3299.7	412.3	255.3	172.0	128.3	101.0	80.5	65.5	60.1	58.7
50°	6229.4	3691.5	364.5	223.9	146.1	109.2	83.3	64.2	51.9	46.4	46.4
52.5°	7559.2	4546.1	330.4	188.4	122.9	92.8	68.3	51.9	41.0	36.9	35.5
55°	8948.9	5447.2	312.6	158.4	102.4	76.5	54.6	41.0	31.4	27.3	25.9
57.5°	10285.5	6154.4	292.2	128.3	81.9	58.7	42.3	31.4	21.8	19.1	17.7
60°	11567.4	6726.4	248.5	102.4	64.2	42.3	31.4	21.8	15.0	12.3	12.3
62.5°	12714.2	7059.5	195.2	81.9	49.1	30.0	20.5	16.4	10.9	8.2	8.2
65°	12848.0	6626.7	147.4	62.8	35.5	19.1	12.3	12.3	8.2	5.5	5.5
66°	12579.0	6259.5	129.7	57.3	31.4	16.4	10.9	9.6	6.8	4.1	4.1
67.5°	11978.3	5632.9	111.9	49.1	25.9	12.3	8.2	8.2	5.5	2.7	2.7
70°	10349.6	4600.8	88.7	36.9	19.1	9.6	5.5	5.5	4.1	2.7	2.7
72.5°	7888.2	3434.9	72.4	27.3	13.7	6.8	4.1	4.1	4.1	2.7	2.7
75°	4757.8	1849.9	56.0	20.5	12.3	5.5	2.7	4.1	5.5	4.1	2.7
77.5°	1752.9	629.4	43.7	16.4	9.6	5.5	2.7	2.7	5.5	4.1	4.1
80°	430.0	163.8	31.4	13.7	9.6	5.5	2.7	2.7	5.5	5.5	5.5
82.5°	199.3	69.6	21.8	12.3	9.6	5.5	2.7	2.7	4.1	5.5	5.5
85°	114.7	32.8	17.7	13.7	9.6	5.5	2.7	2.7	4.1	5.5	5.5
87.5°	46.4	16.4	16.4	13.7	10.9	6.8	2.7	2.7	2.7	4.1	4.1
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)