

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: P457198

Luminaire Tested: **GLAN-SA8C-730-U-T2R-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41394 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 429
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

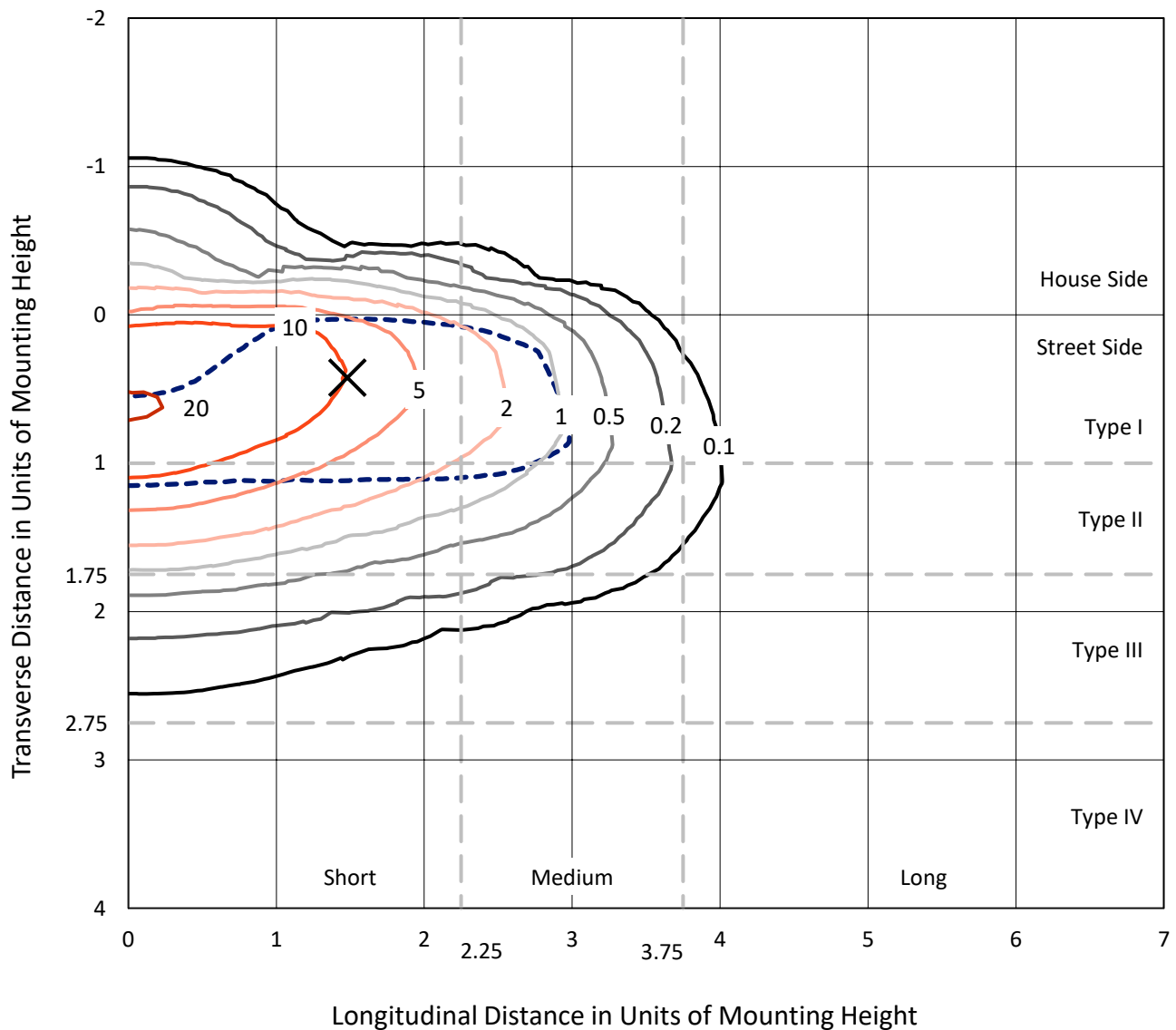


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Iso-Footcandle Lines of Horizontal Illumination

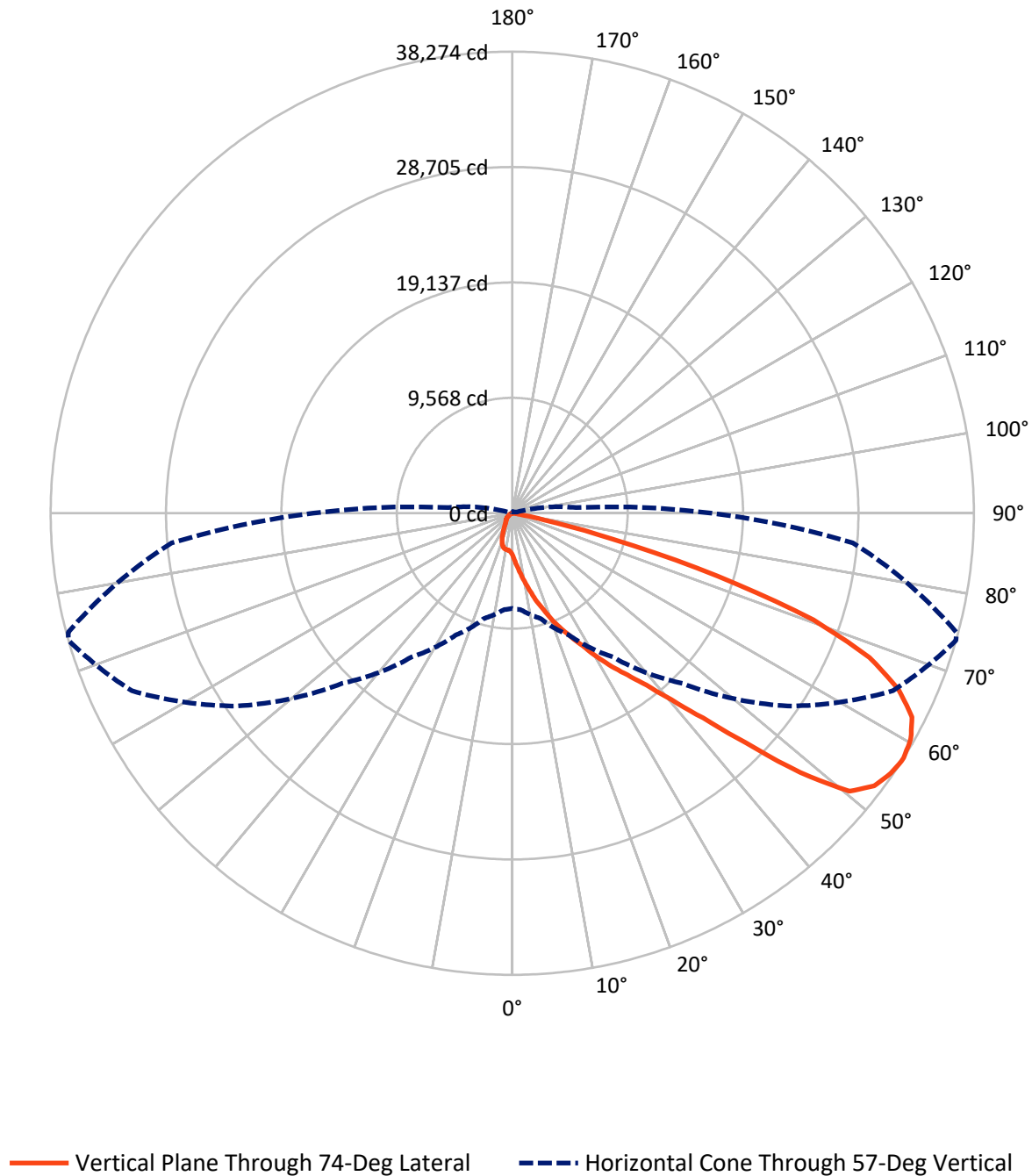
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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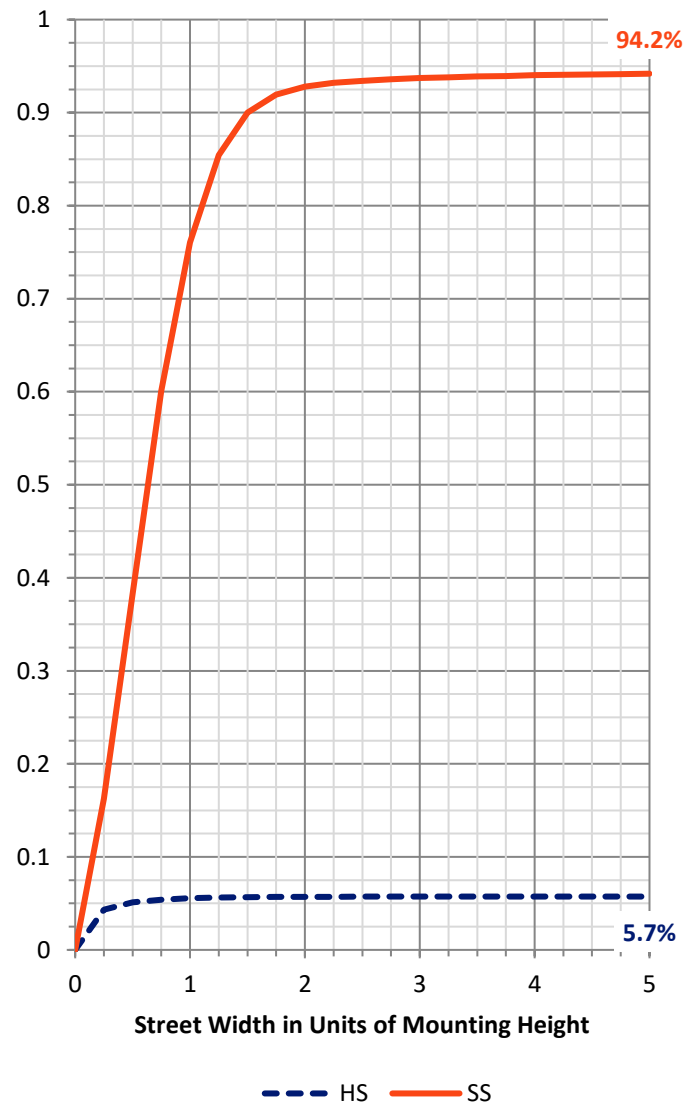
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2387.5	0.0	2387.5
	% Fixture	5.8	0.0	5.8
Street Side	Lumens	39006.5	0.0	39006.5
	% Fixture	94.2	0.0	94.2
Total	Lumens	41394.0	0.0	41394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.4	1.0
10°-20°	1649.3	4.0
20°-30°	3529.1	8.5
30°-40°	6486.5	15.7
40°-50°	9943.9	24.0
50°-60°	10519.3	25.4
60°-70°	6869.4	16.6
70°-80°	1877.0	4.5
80°-90°	101.1	0.2
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°	41394.0	100.0
0°-180°	41394.0	100.0

Coefficient of Utilization



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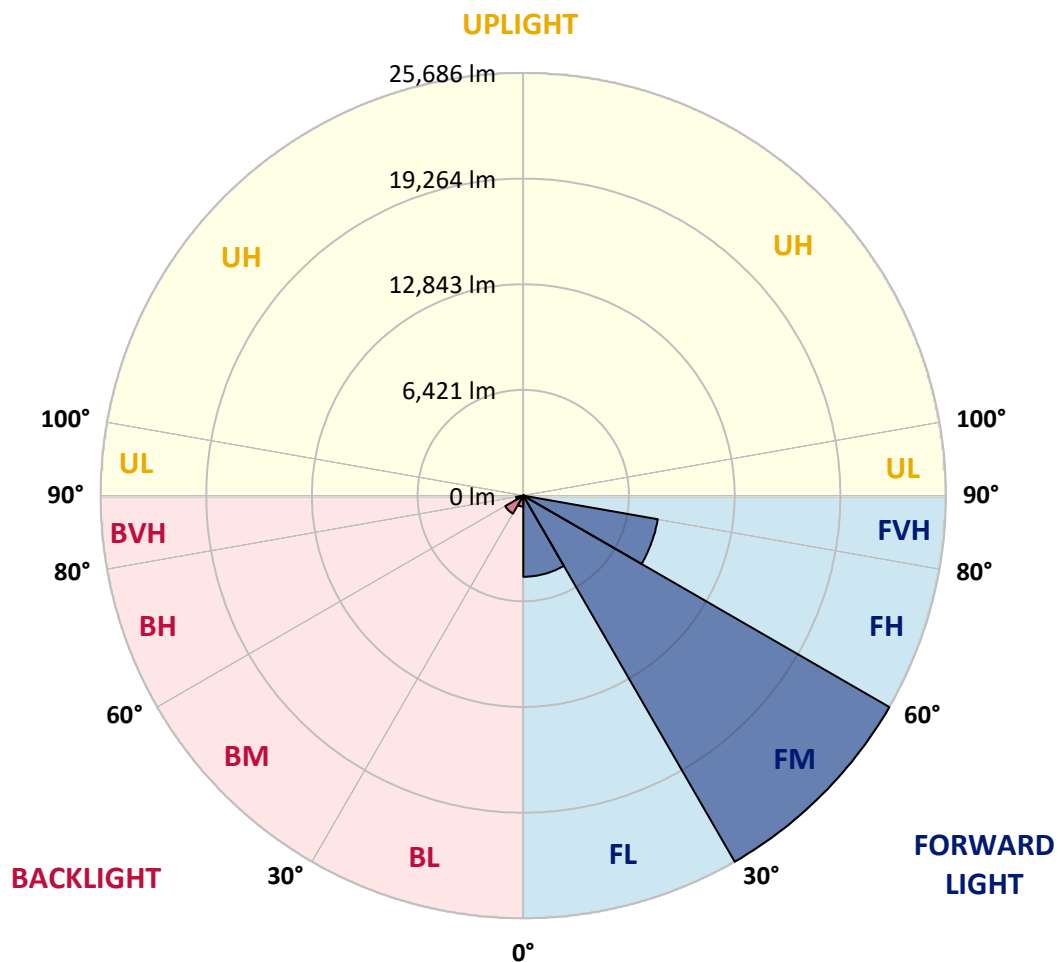
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4930.0	11.9			
FM	(30°-60°)	25685.7	62.1			
FH	(60°-80°)	8298.1	20.0			G4/12000
FVH	(80°-90°)	92.7	0.2			G1/100
BL	(0°-30°)	666.9	1.6	B2/1000		
BM	(30°-60°)	1264.0	3.1	B2/2500		
BH	(60°-80°)	448.2	1.1	B1/500		G1/500
BVH	(80°-90°)	8.4	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7
2.5°	5072.9	5027.1	4935.7	4904.2	4769.9	4561.3	4378.4	4132.6	3938.3	3918.2	3683.9
5°	6793.3	6690.5	6647.6	6441.8	6118.9	5815.9	5295.8	4901.4	4447.0	4412.7	3941.1
7.5°	8451.0	8308.1	8265.2	8070.9	7693.6	7216.3	6541.8	5824.5	5104.3	5038.6	4286.9
10°	9651.3	9671.3	9594.1	9465.5	9159.7	8673.9	7842.2	6861.9	5835.9	5753.1	4675.6
12.5°	10511.5	10508.7	10523.0	10520.1	10357.2	9988.5	9114.0	7985.1	6641.9	6479.0	5121.4
15°	11071.7	11080.3	11123.1	11271.8	11288.9	11060.3	10331.5	9059.7	7576.4	7373.5	5604.4
17.5°	11637.6	11697.6	11766.2	11906.2	12032.0	11940.5	11426.1	10180.0	8422.4	8270.9	6121.7
20°	12572.1	12655.0	12615.0	12700.7	12766.5	12775.0	12377.8	11214.6	9448.4	9194.0	6713.3
22.5°	14066.8	14064.0	13961.1	13806.8	13678.1	13672.4	13312.3	12277.8	10380.1	10134.3	7307.8
25°	15955.9	15964.5	15764.5	15324.3	15004.2	14612.7	14198.3	13209.4	11377.5	11074.6	7933.7
27.5°	18122.3	18068.0	17765.0	17159.1	16524.7	15855.9	15258.6	14292.6	12434.9	12183.4	8651.0
30°	20068.5	20048.5	19694.1	18953.9	18119.4	17447.8	16581.8	15650.1	13803.9	13495.2	9454.1
32.5°	21880.5	21909.0	21417.5	20651.5	19845.6	19071.1	18156.6	16947.6	15147.1	14709.9	10328.6
35°	23295.2	23323.7	22815.0	22177.7	21348.9	20705.8	19834.2	18330.9	16473.2	16104.5	11334.6
37.5°	24049.7	24086.8	23792.4	23312.3	22795.0	22472.1	21660.4	20111.4	18085.1	17862.2	12523.5
40°	24192.5	24235.4	24106.8	23978.2	23949.6	24181.1	23943.9	22209.1	20320.0	19971.4	14295.5
42.5°	23763.9	23821.0	23878.2	24164.0	24747.0	25595.8	26421.7	25055.6	23198.0	22729.3	16461.8
45°	22637.8	22632.1	22857.9	23598.1	24904.2	26716.1	29011.1	28619.5	27119.1	26561.8	19522.7
47.5°	20711.6	20683.0	21171.7	22226.3	24261.1	26921.9	31123.1	32946.4	32123.4	31608.9	22812.2
50°	17776.5	17916.5	18685.3	20157.1	22663.5	26298.9	31774.7	35784.4	36230.2	35684.4	25470.1
52.5°	14338.3	14332.6	15538.7	17536.4	20297.2	24927.0	31320.3	36298.8	37564.9	37147.6	26779.0
55°	10611.6	10685.9	11940.5	13955.4	17224.9	22423.5	29837.0	35770.1	38073.6	37779.2	27642.1
57°	7893.7	8025.1	9031.1	11163.2	14549.8	19945.6	27862.2	34824.1	38273.7	38113.6	28359.4
57.5°	7367.8	7373.5	8353.8	10291.5	13766.7	18993.9	27296.3	34429.7	38268.0	38179.4	28476.6
60°	4535.6	4678.5	5355.8	6956.3	10077.1	14824.2	23503.8	32163.4	37970.7	38099.3	28976.8
62.5°	2715.1	2775.1	3215.2	4192.6	6496.1	10820.2	19234.0	29262.6	37196.2	37587.8	28942.5
65°	1746.2	1760.5	1960.6	2537.9	4061.1	7313.5	14821.3	25430.0	35192.8	35913.0	27810.7
67.5°	1349.0	1371.8	1451.8	1666.2	2355.0	4555.6	10483.0	21340.3	31951.9	32880.7	25067.1
70°	1197.5	1208.9	1237.5	1306.1	1557.6	2572.2	6521.8	16670.4	26496.1	26759.0	19617.0
72.5°	977.4	1008.9	1097.5	1120.3	1234.6	1606.2	3629.6	11188.9	17802.2	17867.9	10974.5
75°	757.4	763.1	894.5	960.3	1040.3	1106.0	1620.5	5641.6	8551.0	8093.7	4229.8
77.5°	565.9	591.6	651.6	734.5	848.8	791.7	725.9	2126.3	2655.0	2606.5	1228.9
80°	363.0	377.2	454.4	551.6	660.2	517.3	408.7	623.0	583.0	600.2	294.4
82.5°	182.9	185.8	291.5	448.7	420.1	260.1	257.2	254.4	217.2	214.3	137.2
85°	20.0	42.9	188.6	257.2	188.6	85.7	120.0	117.2	114.3	117.2	80.0
87.5°	2.9	2.9	31.4	37.2	25.7	28.6	34.3	37.2	45.7	42.9	34.3
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°	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7	3466.7
2.5°	3569.6	3455.3	3243.8	3040.9	2889.4	2792.2	2666.5	2620.7	2555.0	2546.4	2515.0
5°	3723.9	3506.7	3138.0	2846.5	2612.2	2435.0	2280.6	2152.0	2049.2	2026.3	2037.7
7.5°	3944.0	3621.0	3106.6	2709.3	2383.5	2080.6	1834.8	1683.3	1574.7	1534.7	1540.4
10°	4192.6	3772.5	3100.9	2563.6	2066.3	1694.8	1426.1	1291.8	1228.9	1206.1	1180.3
12.5°	4487.0	3946.8	3086.6	2337.8	1717.6	1351.8	1160.3	1080.3	1020.3	1003.1	1003.1
15°	4818.5	4132.6	3018.0	2057.7	1394.7	1117.5	988.9	926.0	906.0	888.8	888.8
17.5°	5164.3	4315.5	2875.1	1711.9	1157.5	957.4	877.4	840.2	811.7	791.7	791.7
20°	5558.7	4495.6	2646.5	1406.1	977.4	854.5	791.7	748.8	725.9	708.8	703.1
22.5°	5933.1	4641.3	2355.0	1154.6	851.7	768.8	711.6	665.9	643.0	634.5	634.5
25°	6321.8	4729.9	2003.4	954.6	777.4	697.3	634.5	597.3	577.3	571.6	568.7
27.5°	6699.0	4781.4	1694.8	834.5	708.8	631.6	571.6	543.0	523.0	517.3	520.1
30°	7156.3	4789.9	1394.7	748.8	648.8	568.7	514.4	488.7	477.3	471.6	468.7
32.5°	7619.3	4778.5	1171.8	697.3	591.6	514.4	468.7	448.7	440.1	431.6	431.6
35°	8139.4	4718.5	997.4	645.9	537.3	468.7	428.7	411.5	400.1	391.5	388.7
37.5°	8785.3	4687.0	897.4	588.7	488.7	425.8	388.7	371.5	363.0	351.5	348.7
40°	9802.8	4827.1	866.0	537.3	440.1	385.8	351.5	331.5	320.1	308.7	305.8
42.5°	11071.7	5072.9	814.5	485.9	397.3	348.7	314.4	291.5	271.5	257.2	251.5
45°	12715.0	5395.8	734.5	431.6	360.1	308.7	277.2	248.6	222.9	211.5	208.6
47.5°	14438.4	5707.3	663.0	388.7	320.1	274.4	240.1	208.6	185.8	177.2	174.3
50°	15495.8	5770.2	617.3	340.1	280.1	237.2	202.9	174.3	160.0	151.5	151.5
52.5°	15978.8	5670.2	554.4	297.2	242.9	208.6	174.3	151.5	142.9	137.2	134.3
55°	16316.0	5515.8	471.6	257.2	208.6	177.2	154.3	137.2	125.7	120.0	117.2
57°	16513.2	5307.2	408.7	225.8	180.1	154.3	137.2	122.9	111.5	100.0	100.0
57.5°	16521.8	5227.2	391.5	222.9	171.5	148.6	134.3	120.0	105.7	94.3	91.5
60°	16267.5	4678.5	314.4	188.6	137.2	125.7	111.5	94.3	74.3	62.9	60.0
62.5°	15450.1	3981.1	260.1	160.0	111.5	97.2	80.0	71.4	51.4	37.2	37.2
65°	14212.6	3229.5	222.9	128.6	91.5	71.4	54.3	51.4	31.4	17.1	14.3
67.5°	12423.5	2515.0	188.6	105.7	77.2	51.4	37.2	34.3	17.1	5.7	0.0
70°	9465.5	1714.8	157.2	85.7	57.2	37.2	25.7	20.0	11.4	2.9	0.0
72.5°	5455.8	943.1	131.5	65.7	42.9	28.6	20.0	11.4	11.4	0.0	0.0
75°	1949.1	405.8	100.0	48.6	34.3	22.9	14.3	5.7	8.6	2.9	0.0
77.5°	620.2	217.2	65.7	37.2	28.6	17.1	11.4	5.7	5.7	2.9	0.0
80°	182.9	114.3	40.0	31.4	20.0	14.3	8.6	2.9	5.7	2.9	0.0
82.5°	100.0	57.2	31.4	22.9	20.0	11.4	8.6	2.9	2.9	2.9	0.0
85°	51.4	34.3	25.7	22.9	20.0	11.4	8.6	2.9	0.0	2.9	2.9
87.5°	28.6	25.7	25.7	22.9	20.0	14.3	8.6	2.9	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)