Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P457931

Luminaire Tested: **GLAN-SA9B-740-U-T4W-HSS**

Issue Date: 1/4/2021

Report Generated By 670248863

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P457931
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-27)
Test Lab:	INNOVATION CENTER
Issue Date:	1/4/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA9B-740-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	37317 lumens
Efficiency:	N/A
Efficacy:	102.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	364
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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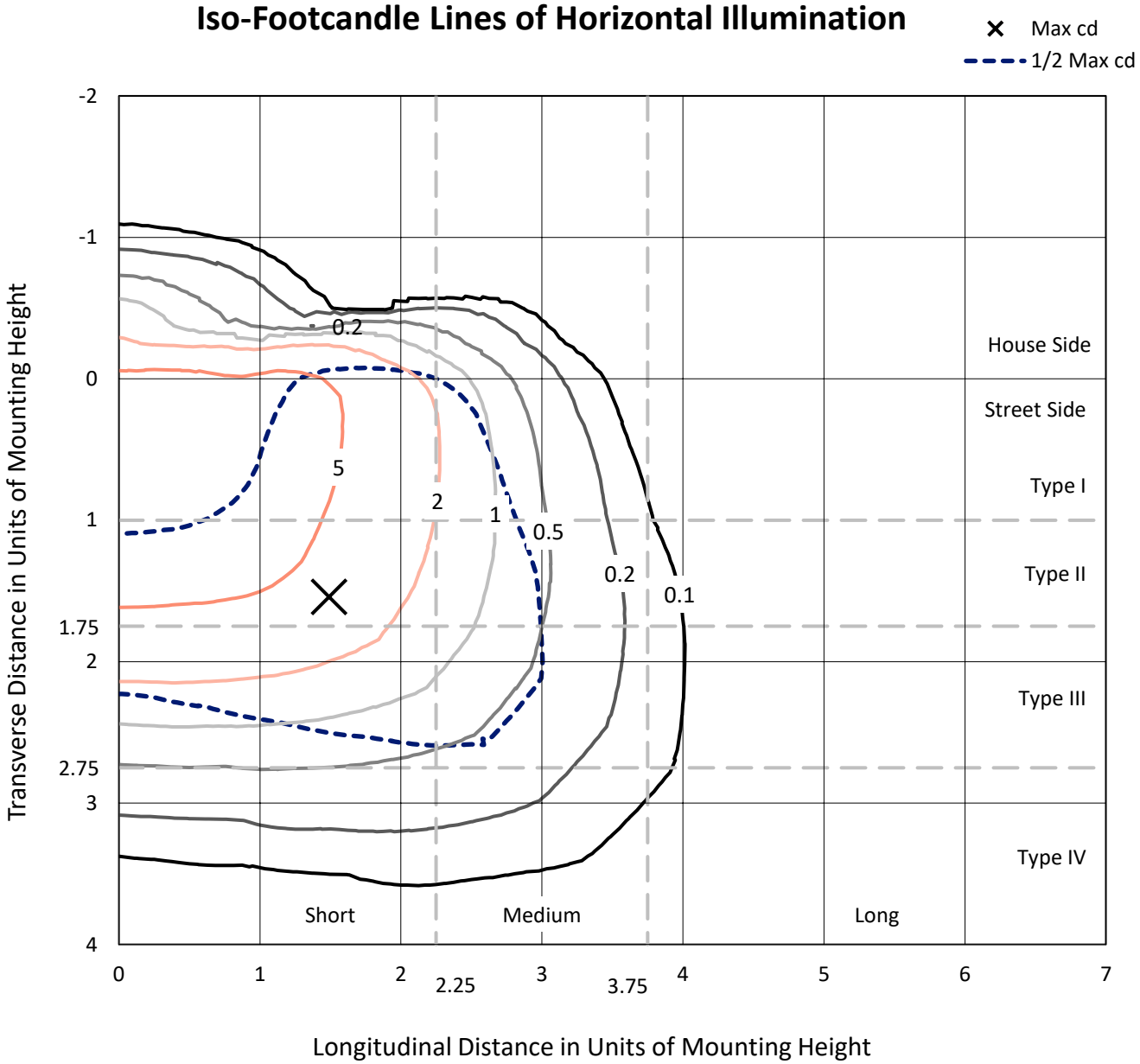
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type III - Short - N/A

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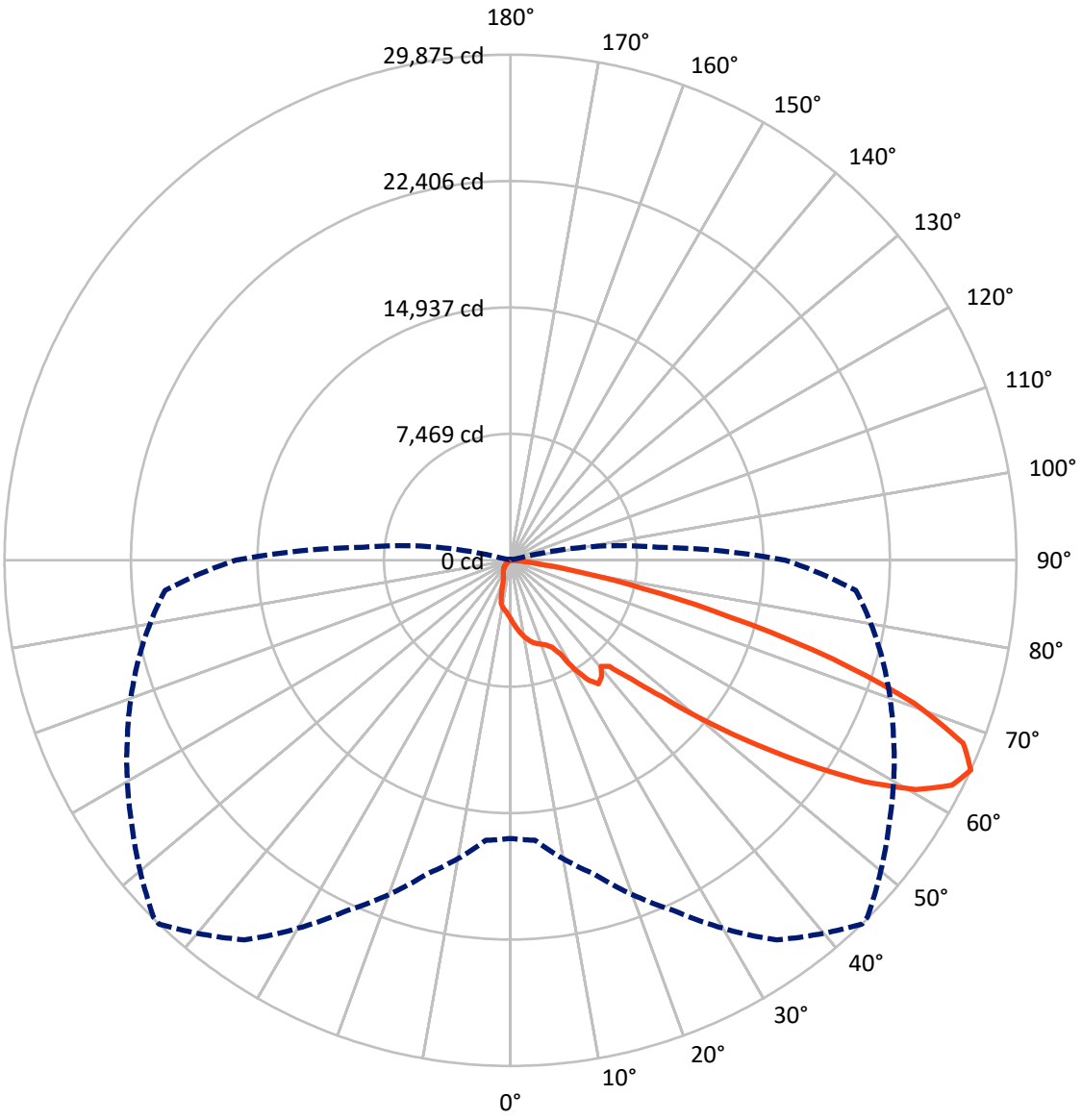
Luminous Intensity Polar Plot



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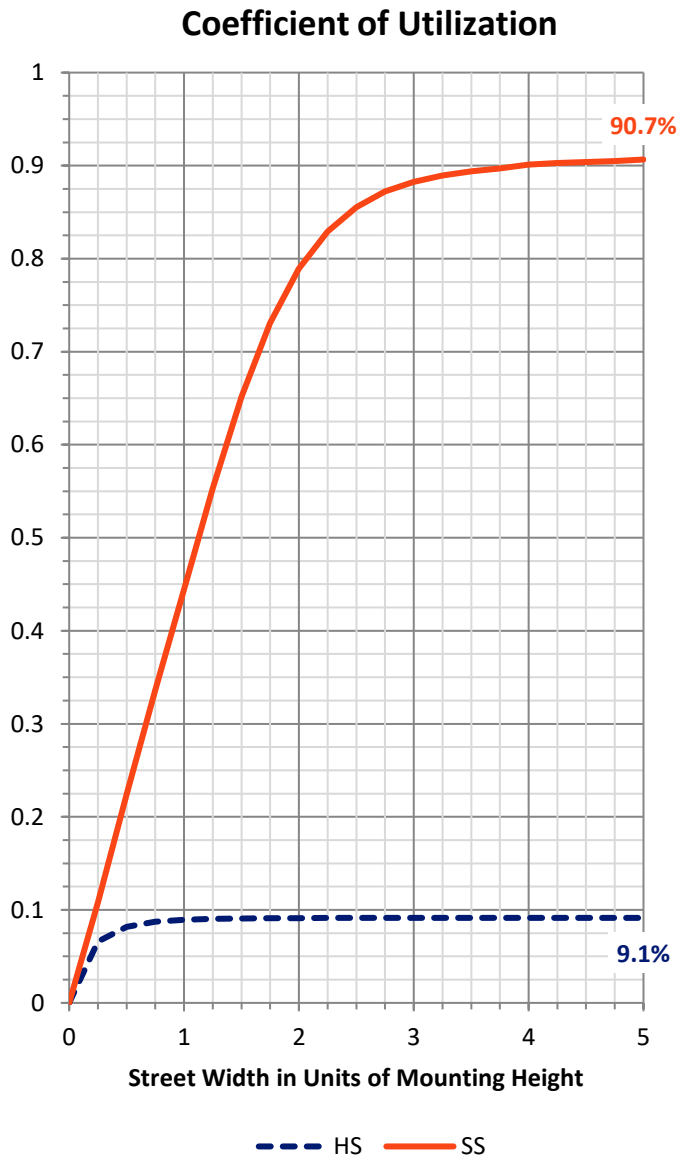
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3438.2	0.0	3438.2
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	33878.8	0.0	33878.8
	% Fixture	90.8	0.0	90.8
Total	Lumens	37317.0	0.0	37317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.4	0.9
10°-20°	1039.6	2.8
20°-30°	1762.9	4.7
30°-40°	2931.1	7.9
40°-50°	5117.7	13.7
50°-60°	9998.2	26.8
60°-70°	11600.2	31.1
70°-80°	4224.2	11.3
80°-90°	297.6	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°	37317.0	100.0
0°-180°	37317.0	100.0



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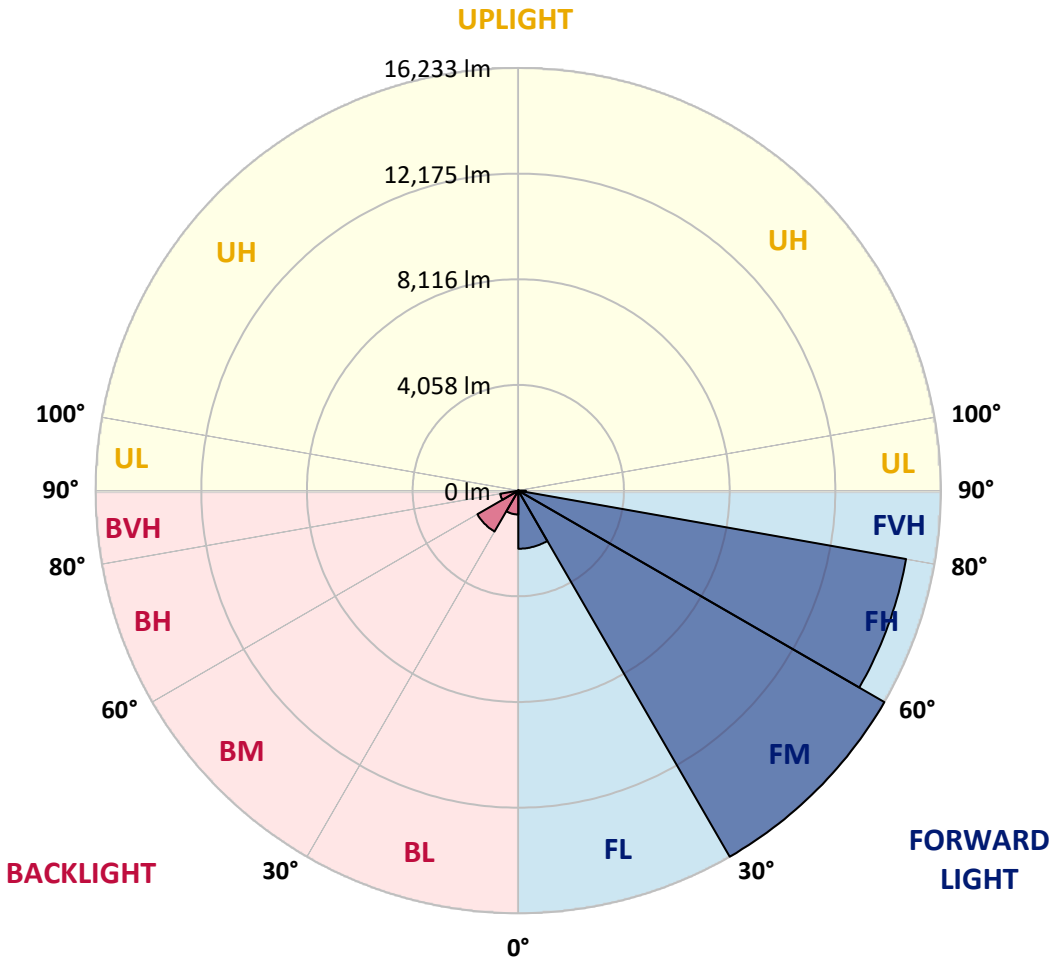
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2231.9	6.0			
FM	(30°-60°)	16233.0	43.5			
FH	(60°-80°)	15120.4	40.5			G5
FVH	(80°-90°)	293.6	0.8			G3/500
BL	(0°-30°)	916.1	2.5	B2/1000		
BM	(30°-60°)	1814.0	4.9	B2/2500		
BH	(60°-80°)	704.1	1.9	B2/1000		G2/1000
BVH	(80°-90°)	4.0	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-G5
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	3473.1	3473.1	3473.1	3473.1	3473.1	*3473.1*	3473.1	3473.1	3473.1	3473.1	3473.1
2.5°	3909.4	3892.3	3883.7	3838.1	3803.9	*3761.1*	3761.1	3706.9	3644.2	3575.8	3513.0
5°	4345.7	4317.1	4280.1	4240.1	4160.3	*4046.2*	4046.2	3932.2	3801.0	3684.1	3555.8
7.5°	4764.8	4739.2	4676.4	4599.4	4468.3	*4348.5*	4339.9	4174.6	4017.7	3840.9	3658.4
10°	5132.7	5112.7	5058.5	4910.2	4773.4	*4616.5*	4613.7	4428.3	4245.9	4029.1	3803.9
12.5°	5389.3	5392.1	5320.9	5178.3	5001.5	*4853.2*	4841.8	4659.3	4468.3	4234.4	3957.9
15°	5571.8	5571.8	5497.6	5338.0	5178.3	*5047.1*	5035.7	4876.0	4679.3	4425.5	4126.1
17.5°	5623.1	5640.2	5560.4	5417.8	5289.5	*5175.4*	5172.6	5038.6	4881.7	4636.5	4297.2
20°	5603.2	5620.3	5557.5	5446.3	5357.9	*5292.3*	5283.8	5229.6	5084.2	4853.2	4479.7
22.5°	5560.4	5577.5	5531.9	5466.3	5423.5	*5443.5*	5429.2	5474.8	5397.8	5118.4	4696.4
25°	5568.9	5586.0	5551.8	5514.8	5551.8	*5674.4*	5711.5	5908.3	5839.8	5454.9	4930.2
27.5°	5837.0	5871.2	5822.7	5839.8	5971.0	*6256.1*	6327.4	6666.8	6364.5	5882.6	5295.2
30°	6432.9	6410.1	6318.9	6401.6	6857.8	*7462.3*	7442.4	7388.2	6914.8	6375.9	5728.6
32.5°	6974.7	6954.8	6949.1	7305.5	8132.4	*8426.1*	8411.9	7887.2	7408.1	6940.5	6156.3
35°	7194.3	7117.3	7100.2	7964.2	9347.1	*8959.3*	8870.9	8092.5	8006.9	7556.4	6592.6
37.5°	7855.8	7801.6	7536.5	8072.5	8862.4	*8734.1*	8665.6	8446.1	8645.7	8101.0	7085.9
40°	9218.8	9067.7	8828.2	8303.5	8175.2	*8229.4*	8297.8	8899.5	9401.3	8845.3	7744.6
42.5°	10912.6	10878.4	10433.6	9455.5	8494.6	*8568.7*	8657.1	9846.2	10487.7	9965.9	8819.6
45°	12945.7	12994.2	12352.6	11197.8	9937.4	*10000.1*	10128.4	11243.4	11959.1	11708.2	10510.5
47.5°	14793.5	14756.4	14539.7	13339.2	12175.8	*12036.1*	12244.2	13037.0	13995.1	14035.0	12609.2
50°	16652.6	16849.4	16527.2	16056.7	15192.7	*14899.0*	14822.0	15209.8	16669.7	16478.7	15129.9
52.5°	19324.5	19427.1	18822.6	18702.8	18899.6	*17947.2*	17870.2	17964.3	19270.3	18614.4	17017.6
55°	21004.0	20944.1	20718.8	21654.1	22432.6	*21243.5*	21146.6	20767.3	21428.9	20122.9	18834.0
57.5°	21534.4	21619.9	22144.6	23835.5	25677.6	*24668.1*	24491.3	23413.5	22985.8	21528.7	20505.0
60°	21297.7	21454.5	22586.6	25101.6	27656.5	*27505.4*	27354.2	25543.5	24103.5	22703.5	21676.9
62.5°	19612.5	19832.0	21642.7	24876.3	28326.6	*29270.4*	29082.2	26872.3	24847.8	23273.8	21882.2
65°	*16435.9*	*16598.5*	*19199.0*	*22831.8*	*27374.2*	*29874.9*	*29806.5*	*27288.6*	*24964.7*	*22751.9*	*20476.5*
67.5°	11716.7	12269.9	14679.4	19241.8	24556.9	*28842.7*	28959.6	26789.6	23866.9	20496.4	16957.7
70°	7365.4	7741.8	9469.8	13775.5	19686.6	*25304.0*	25689.0	24505.6	20713.1	15976.8	11351.7
72.5°	3513.0	3792.5	5024.3	8719.8	13895.3	*19909.0*	20214.1	20117.2	16016.8	10065.7	5856.9
75°	1565.5	1671.0	2398.1	4451.2	8970.7	*13382.0*	14171.8	14303.0	10008.7	4924.5	2278.3
77.5°	798.4	801.3	1123.5	2155.7	4479.7	*7984.1*	8141.0	8600.1	5426.4	2170.0	792.7
80°	424.9	453.4	596.0	1018.0	2324.0	*3932.2*	3912.2	4300.0	2406.6	1063.6	265.2
82.5°	191.0	211.0	336.5	533.2	1134.9	*1491.3*	1608.2	1759.4	1032.2	678.7	116.9
85°	57.0	68.4	165.4	268.0	410.6	*430.6*	481.9	621.6	584.6	481.9	59.9
87.5°	8.6	8.6	68.4	74.1	59.9	*77.0*	79.8	88.4	188.2	176.8	31.4
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°	3473.1	3473.1	3473.1	3473.1	3473.1	3473.1	3473.1	3473.1	3473.1	3473.1	3473.1
2.5°	3478.8	3458.8	3387.6	3327.7	3276.3	3245.0	3207.9	3185.1	3173.7	3165.1	3168.0
5°	3493.1	3444.6	3322.0	3225.0	3150.9	3071.0	3016.9	2985.5	2971.2	2948.4	2948.4
7.5°	3572.9	3495.9	3324.8	3176.5	3048.2	2939.9	2837.2	2800.2	2774.5	2768.8	2763.1
10°	3687.0	3590.0	3356.2	3150.9	2968.4	2820.1	2674.7	2546.4	2446.6	2386.7	2378.1
12.5°	3829.5	3689.8	3404.7	3133.8	2900.0	2637.6	2252.7	1993.2	1819.2	1765.1	1773.6
15°	3960.7	3809.6	3453.1	3119.5	2774.5	2187.1	1750.8	1454.3	1365.9	1357.3	1360.2
17.5°	4117.5	3937.9	3510.2	3099.6	2429.5	1671.0	1300.3	1220.4	1237.5	1266.1	1263.2
20°	4280.1	4074.8	3578.6	2979.8	1939.0	1257.5	1149.1	1157.7	1183.4	1209.0	1214.7
22.5°	4454.0	4231.6	3658.4	2691.8	1479.9	1095.0	1089.3	1100.7	1126.3	1154.8	1160.6
25°	4693.5	4428.3	3718.3	2315.4	1120.6	1012.3	1023.7	1043.6	1066.5	1097.8	1103.5
27.5°	5001.5	4693.5	3749.7	1824.9	969.5	938.1	941.0	969.5	998.0	1026.5	1026.5
30°	5400.7	5010.0	3687.0	1380.1	895.4	866.8	855.4	872.6	909.6	938.1	941.0
32.5°	5757.1	5309.5	3521.6	1055.0	841.2	801.3	772.8	775.6	789.9	807.0	809.8
35°	6113.6	5600.3	3239.3	886.8	784.2	738.5	695.8	672.9	661.5	653.0	661.5
37.5°	6569.8	5962.4	2862.9	807.0	735.7	678.7	618.8	570.3	530.4	504.7	510.4
40°	7157.2	6464.3	2418.1	755.6	690.1	621.6	541.8	479.0	410.6	387.8	376.4
42.5°	8126.7	7225.6	1950.4	712.9	644.4	561.7	461.9	376.4	313.7	290.9	296.6
45°	9658.0	8186.6	1502.7	667.2	598.8	496.2	387.8	296.6	245.2	233.8	239.5
47.5°	11688.2	9429.8	1157.7	615.9	541.8	424.9	305.1	233.8	202.5	199.6	196.8
50°	13598.7	10587.5	966.7	558.9	473.3	353.6	250.9	196.8	176.8	173.9	173.9
52.5°	15326.7	11417.3	787.0	493.3	399.2	290.9	211.0	173.9	156.8	148.3	148.3
55°	16863.6	11959.1	638.7	413.5	313.7	231.0	182.5	156.8	136.9	125.5	122.6
57.5°	18024.2	12024.7	479.0	330.8	233.8	179.6	156.8	136.9	114.1	99.8	94.1
60°	18520.3	11457.2	353.6	250.9	173.9	142.6	125.5	111.2	85.5	71.3	68.4
62.5°	18021.3	10353.7	262.3	191.0	134.0	105.5	88.4	82.7	59.9	42.8	39.9
65°	*16233.5*	*8759.7*	*208.2*	*145.4*	*99.8*	*77.0*	*57.0*	*54.2*	*37.1*	*20.0*	*17.1*
67.5°	13005.6	6860.7	165.4	108.4	71.3	51.3	37.1	34.2	20.0	5.7	5.7
70°	8457.5	4385.6	134.0	79.8	45.6	34.2	22.8	17.1	11.4	2.9	0.0
72.5°	4183.1	2050.2	108.4	62.7	31.4	17.1	8.6	5.7	8.6	0.0	0.0
75°	1622.5	730.0	79.8	42.8	17.1	8.6	5.7	0.0	2.9	0.0	0.0
77.5°	538.9	242.4	48.5	22.8	11.4	5.7	0.0	0.0	0.0	0.0	0.0
80°	199.6	94.1	25.7	14.3	5.7	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	79.8	37.1	17.1	11.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.9	22.8	11.4	8.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	28.5	17.1	11.4	8.6	5.7	2.9	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)