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: P456532

Luminaire Tested: **GLAN-SA7D-740-U-T2R**

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:	P456532
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-6)
Test Lab:	INNOVATION CENTER
Issue Date:	1/4/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA7D-740-U-T2R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	54913 lumens
Efficiency:	N/A
Efficacy:	126.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G5

Input Watts (W):	433
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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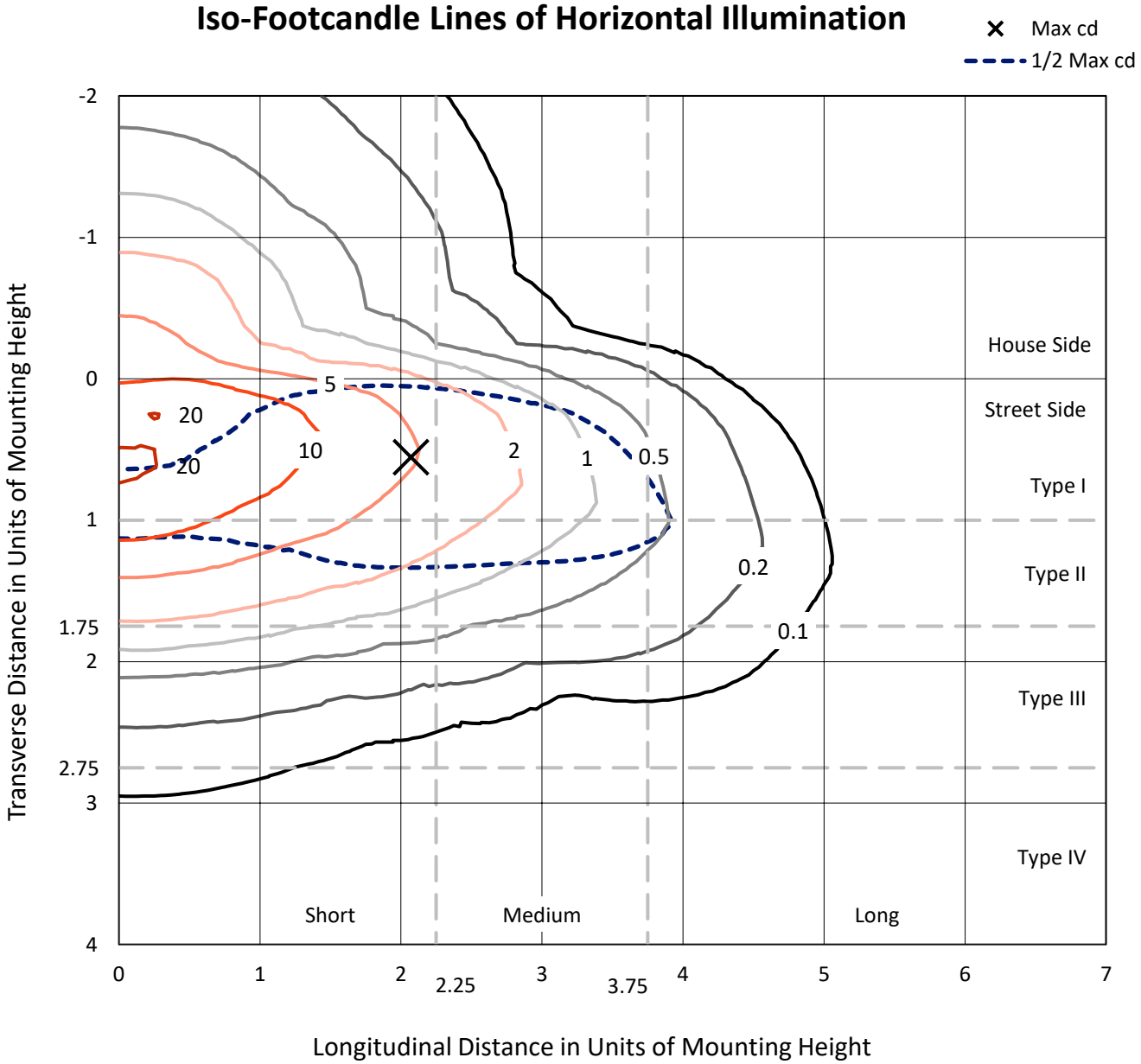
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 21.2 fc
Type II - Short - N/A

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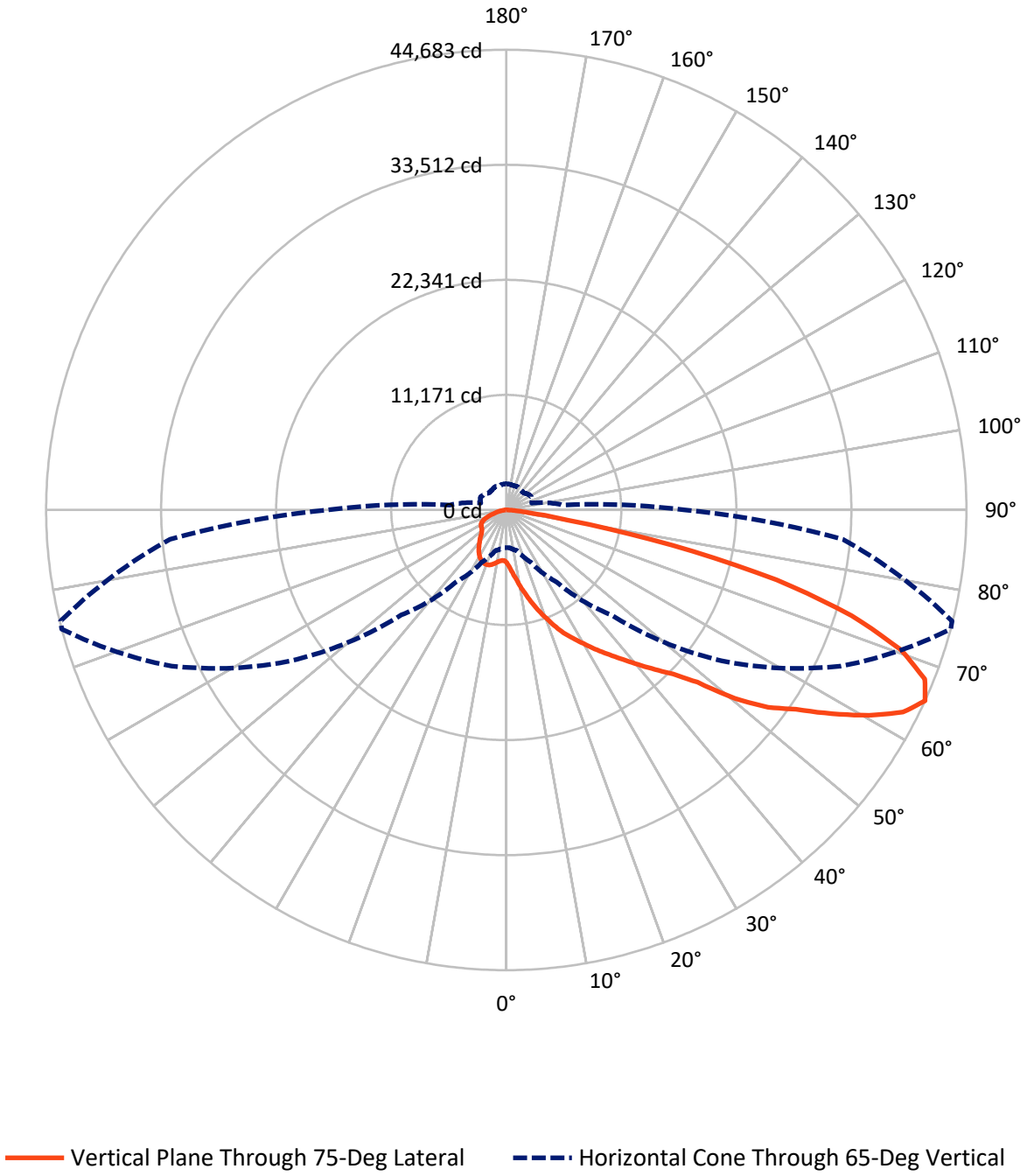
Luminous Intensity Polar Plot



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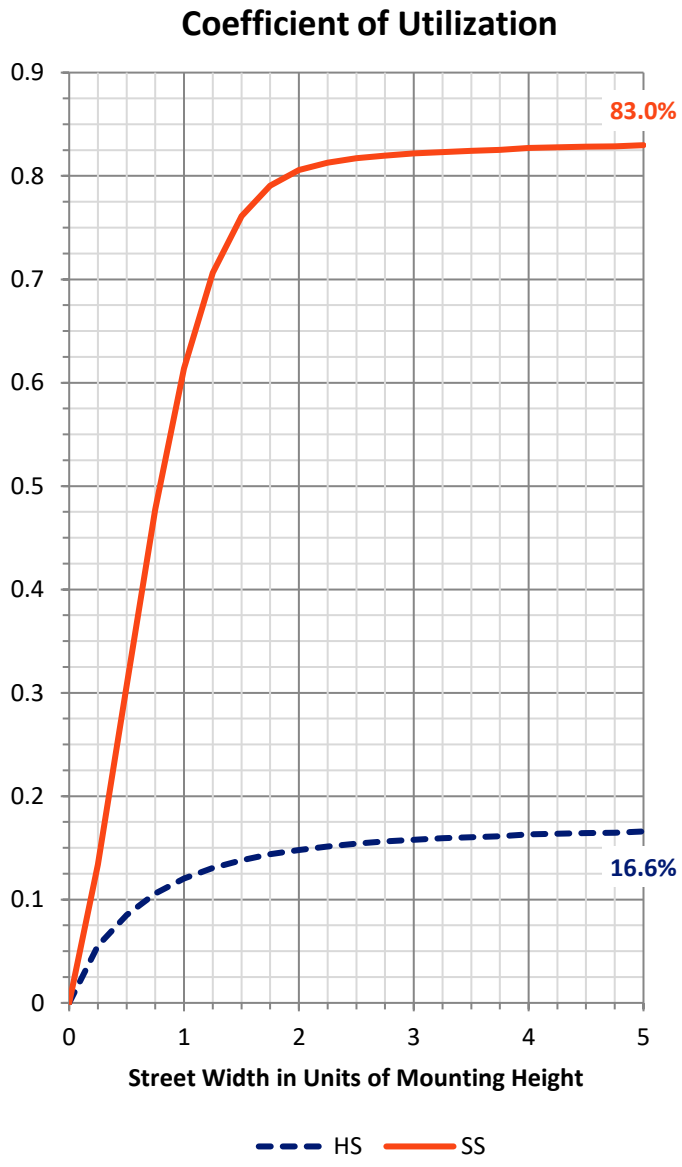
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9231.6	0.0	9231.6
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	45681.4	0.0	45681.4
	% Fixture	83.2	0.0	83.2
Total	Lumens	54913.0	0.0	54913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.9	1.1
10°-20°	2428.0	4.4
20°-30°	4690.1	8.5
30°-40°	7618.2	13.9
40°-50°	10479.5	19.1
50°-60°	12372.7	22.5
60°-70°	10840.5	19.7
70°-80°	5175.4	9.4
80°-90°	688.6	1.3
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°	54913.0	100.0
0°-180°	54913.0	100.0



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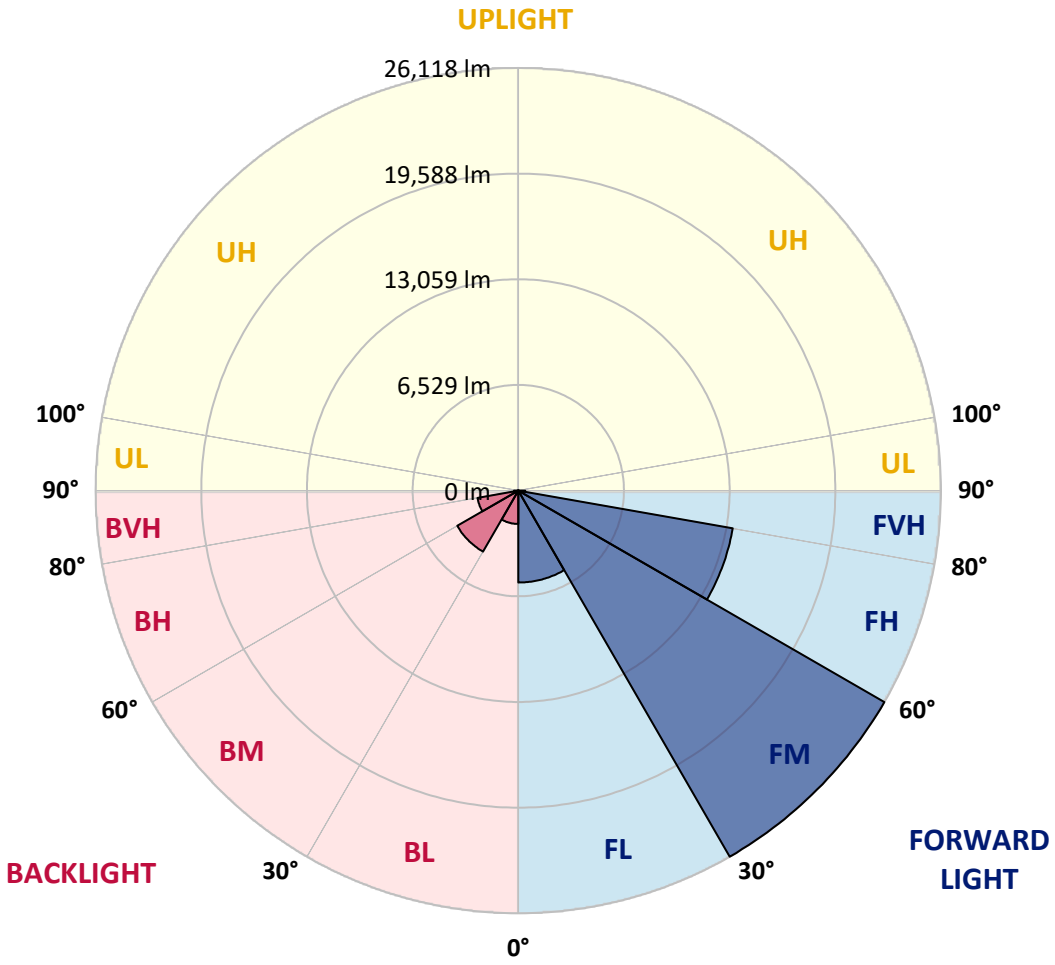
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5677.1	10.3			
FM	(30°-60°)	26117.8	47.6			
FH	(60°-80°)	13456.1	24.5			G5
FVH	(80°-90°)	430.4	0.8			G3/500
BL	(0°-30°)	2060.9	3.8	B3/2500		
BM	(30°-60°)	4352.6	7.9	B3/5000		
BH	(60°-80°)	2559.7	4.7	B4/5000		G4/5000
BVH	(80°-90°)	258.3	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	*5102.1*	5102.1	5102.1
2.5°	6779.0	6734.3	6686.7	6555.6	6415.6	6257.8	6031.4	5814.0	*5525.1*	5516.1	5301.7
5°	8658.4	8628.6	8417.1	8295.0	7970.4	7538.5	7172.1	6603.3	*6076.1*	6013.5	5596.5
7.5°	10385.9	10269.7	10189.3	9968.9	9647.2	9093.3	8384.4	7615.9	*6734.3*	6650.9	5959.9
10°	11687.5	11675.6	11633.9	11443.3	11202.0	10651.0	9864.7	8762.6	*7568.3*	7404.5	6400.7
12.5°	12661.5	12670.4	12664.4	12661.5	12488.7	12021.1	11169.2	10007.6	*8411.2*	8295.0	6910.0
15°	13301.8	13391.2	13426.9	13575.8	13590.7	13278.0	12545.3	11210.9	*9361.3*	9188.6	7458.1
17.5°	13724.8	13769.4	13936.2	14189.4	14394.9	14338.3	13686.0	12324.9	*10332.3*	10043.4	8027.0
20°	14129.8	14207.3	14335.4	14680.9	15044.2	15211.0	14752.3	13465.6	*11294.3*	11109.7	8655.4
22.5°	14972.7	15082.9	15127.6	15303.4	15613.1	15908.0	15699.5	14558.7	*12348.7*	12098.5	9322.6
25°	16399.4	16515.6	16390.5	16348.8	16450.1	16596.0	16551.3	15589.3	*13343.5*	12986.1	9954.0
27.5°	18258.0	18272.9	18028.7	17796.3	17546.1	17471.7	17334.7	16503.7	*14207.3*	13909.4	10588.4
30°	20253.6	20182.1	19777.0	19357.0	18934.1	18517.1	18124.0	17385.3	*15169.3*	14826.8	11210.9
32.5°	22106.2	22067.5	21617.7	20965.4	20250.6	19857.4	19062.2	18275.9	*16199.9*	15869.3	11851.3
35°	23494.1	23550.7	23056.3	22344.4	21564.1	21215.6	20211.9	19211.1	*17266.2*	16905.8	12548.3
37.5°	24480.0	24450.2	24012.4	23395.8	22710.8	22407.0	21555.2	20232.7	*18412.9*	18067.4	13310.8
40°	24831.5	24813.6	24488.9	24039.2	23604.3	23497.1	22961.0	21334.7	*19726.4*	19321.3	14228.1
42.5°	24608.1	24646.8	24432.4	24310.2	24229.8	24307.3	24357.9	22779.3	*21159.0*	20786.7	15222.9
45°	23923.0	23902.2	23872.4	24072.0	24524.7	25034.0	25739.9	24143.4	*22716.8*	22418.9	16557.3
47.5°	22698.9	22847.8	22922.3	23473.3	24462.1	25668.4	27330.4	25972.2	*24977.4*	24718.3	18591.6
50°	20986.3	21105.4	21546.2	22526.1	24000.5	25906.7	28885.2	28962.6	*28748.1*	28262.7	20801.6
52.5°	18311.6	18496.3	19404.7	21200.7	23053.3	25808.4	29826.4	31527.1	*31810.0*	31446.6	22978.9
55°	15318.2	15577.4	16536.4	18892.4	21748.8	25272.3	30475.7	33013.3	*34142.1*	33805.6	25075.7
57.5°	12387.4	12661.5	13647.3	15928.8	19473.2	24086.8	30901.6	34669.3	*37317.2*	36879.4	27684.8
60°	9283.9	9569.8	10415.7	12765.7	16232.6	21769.6	30612.7	36105.0	*40489.3*	40301.6	30297.0
62.5°	5989.7	6305.4	7041.1	8986.0	12476.8	18603.5	29066.8	36897.2	*43235.4*	43009.0	32203.2
65°	*3648.6*	*3684.4*	*4089.4*	*5578.7*	*8539.3*	*14403.9*	*25531.4*	*35845.8*	*44682.9*	*44614.4*	*32784.0*
67.5°	2358.9	2415.5	2600.2	3341.8	5120.0	10004.7	20414.4	32375.9	*43837.1*	43813.2	31583.6
70°	1992.6	2010.5	2093.9	2254.7	2975.5	6067.1	14335.4	26844.9	*40623.3*	40623.3	28697.5
72.5°	1781.1	1805.0	1834.7	1885.4	2123.6	3437.1	8554.2	20896.9	*35074.4*	35306.7	24426.4
75°	1617.3	1611.3	1629.2	1638.2	1810.9	2245.8	4423.0	15455.3	*27133.8*	26669.2	17689.1
77.5°	1385.0	1393.9	1385.0	1423.7	1599.4	1709.6	2245.8	10371.0	*16444.1*	15842.5	8878.8
80°	1137.8	1152.7	1167.6	1191.4	1367.1	1298.6	1349.2	4726.8	*6082.0*	5954.0	2743.2
82.5°	854.8	875.7	899.5	956.1	1075.2	857.8	851.8	2019.4	*2195.1*	2010.5	1009.7
85°	345.5	408.0	616.5	673.1	676.1	470.6	524.2	842.9	*896.5*	875.7	396.1
87.5°	80.4	95.3	199.6	300.8	277.0	175.7	193.6	274.0	*312.7*	288.9	134.0
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°	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1	5102.1
2.5°	5203.4	5099.1	4920.4	4783.4	4685.1	4598.8	4545.1	4512.4	4500.5	4497.5	4500.5
5°	5379.1	5194.4	4911.5	4732.8	4634.5	4577.9	4545.1	4542.2	4545.1	4548.1	4539.2
7.5°	5620.4	5355.3	4986.0	4819.2	4744.7	4703.0	4688.1	4682.1	4685.1	4682.1	4682.1
10°	5942.0	5578.7	5131.9	4959.1	4896.6	4848.9	4825.1	4810.2	4798.3	4786.4	4780.4
12.5°	6296.5	5825.9	5289.8	5123.0	5033.6	4959.1	4905.5	4866.8	4840.0	4813.2	4807.2
15°	6692.6	6088.0	5465.5	5233.2	5105.1	4994.9	4902.6	4840.0	4792.4	4753.6	4750.7
17.5°	7070.9	6335.2	5584.6	5283.8	5096.2	4941.3	4819.2	4732.8	4673.2	4622.6	4616.6
20°	7475.9	6570.5	5638.2	5251.0	5006.8	4819.2	4658.3	4554.1	4485.6	4429.0	4420.0
22.5°	7884.0	6770.1	5632.3	5146.8	4851.9	4631.5	4461.7	4351.5	4271.1	4214.5	4193.7
25°	8274.2	6930.9	5557.8	4980.0	4637.5	4408.1	4235.4	4134.1	4062.6	3994.1	3994.1
27.5°	8625.6	7026.2	5417.8	4777.5	4417.1	4175.8	4038.8	3946.5	3880.9	3836.3	3809.5
30°	8971.1	7070.9	5227.2	4521.3	4184.7	3979.2	3869.0	3815.4	3755.8	3705.2	3699.3
32.5°	9280.9	7061.9	4988.9	4271.1	3964.3	3818.4	3773.7	3732.0	3669.5	3598.0	3580.1
35°	9581.7	7002.4	4706.0	3997.1	3779.7	3723.1	3735.0	3675.4	3562.2	3472.9	3458.0
37.5°	9909.4	6895.1	4396.2	3773.7	3624.8	3678.4	3708.2	3577.1	3392.5	3252.5	3219.7
40°	10287.6	6773.0	4074.5	3550.3	3502.7	3636.7	3636.7	3395.5	3142.3	3055.9	3032.1
42.5°	10731.4	6671.8	3806.5	3362.7	3401.4	3535.4	3520.5	3154.2	3049.9	3005.3	2993.4
45°	11434.3	6636.0	3529.5	3198.9	3318.0	3416.3	3294.2	3070.8	3011.2	2975.5	2963.6
47.5°	12545.3	6677.7	3285.2	3076.8	3222.7	3297.2	3041.0	3014.2	2972.5	2921.9	2915.9
50°	13575.8	6639.0	3112.5	3008.3	3139.3	3154.2	2936.8	2945.7	2921.9	2865.3	2853.4
52.5°	14418.8	6516.9	3002.3	2972.5	3067.8	2904.0	2838.5	2871.2	2862.3	2790.8	2778.9
55°	15345.1	6442.4	2948.7	2972.5	3020.2	2686.6	2746.1	2793.8	2781.9	2731.3	2728.3
57.5°	16467.9	6457.3	2910.0	2981.4	2972.5	2576.4	2653.8	2710.4	2707.4	2692.5	2692.5
60°	17617.6	6463.3	2850.4	2978.5	2915.9	2490.0	2558.5	2638.9	2644.9	2653.8	2653.8
62.5°	17998.9	6204.1	2734.2	2924.9	2790.8	2406.6	2469.1	2579.4	2573.4	2597.2	2600.2
65°	*17287.0*	*5486.3*	*2561.5*	*2802.7*	*2630.0*	*2347.0*	*2400.6*	*2501.9*	*2469.1*	*2531.7*	*2543.6*
67.5°	15735.2	4539.2	2293.4	2582.3	2451.3	2284.5	2356.0	2394.7	2335.1	2457.2	2460.2
70°	13599.7	3544.4	1953.9	2269.6	2248.7	2219.0	2320.2	2260.7	2177.3	2326.2	2296.4
72.5°	11371.8	2707.4	1560.7	1855.6	1977.7	2120.7	2257.7	2087.9	1971.7	2016.4	1962.8
75°	8542.2	2001.5	1253.9	1453.5	1647.1	1980.7	2201.1	1879.4	1700.7	1659.0	1647.1
77.5°	4354.5	1307.5	938.2	1087.1	1236.1	1790.1	2123.6	1635.2	1408.8	1343.3	1313.5
80°	1554.8	813.1	661.2	750.6	834.0	1539.9	1855.6	1352.2	1093.1	1081.2	1093.1
82.5°	720.8	524.2	443.8	491.4	494.4	1027.6	1414.8	1009.7	831.0	1262.9	1066.3
85°	309.8	262.1	250.2	244.2	226.4	458.7	795.3	542.1	845.9	378.3	348.5
87.5°	92.3	104.2	92.3	68.5	50.6	50.6	80.4	29.8	20.8	14.9	14.9
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)