

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: P650349

Luminaire Tested: **GLAN-SA4B-835-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-835-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10287.8 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

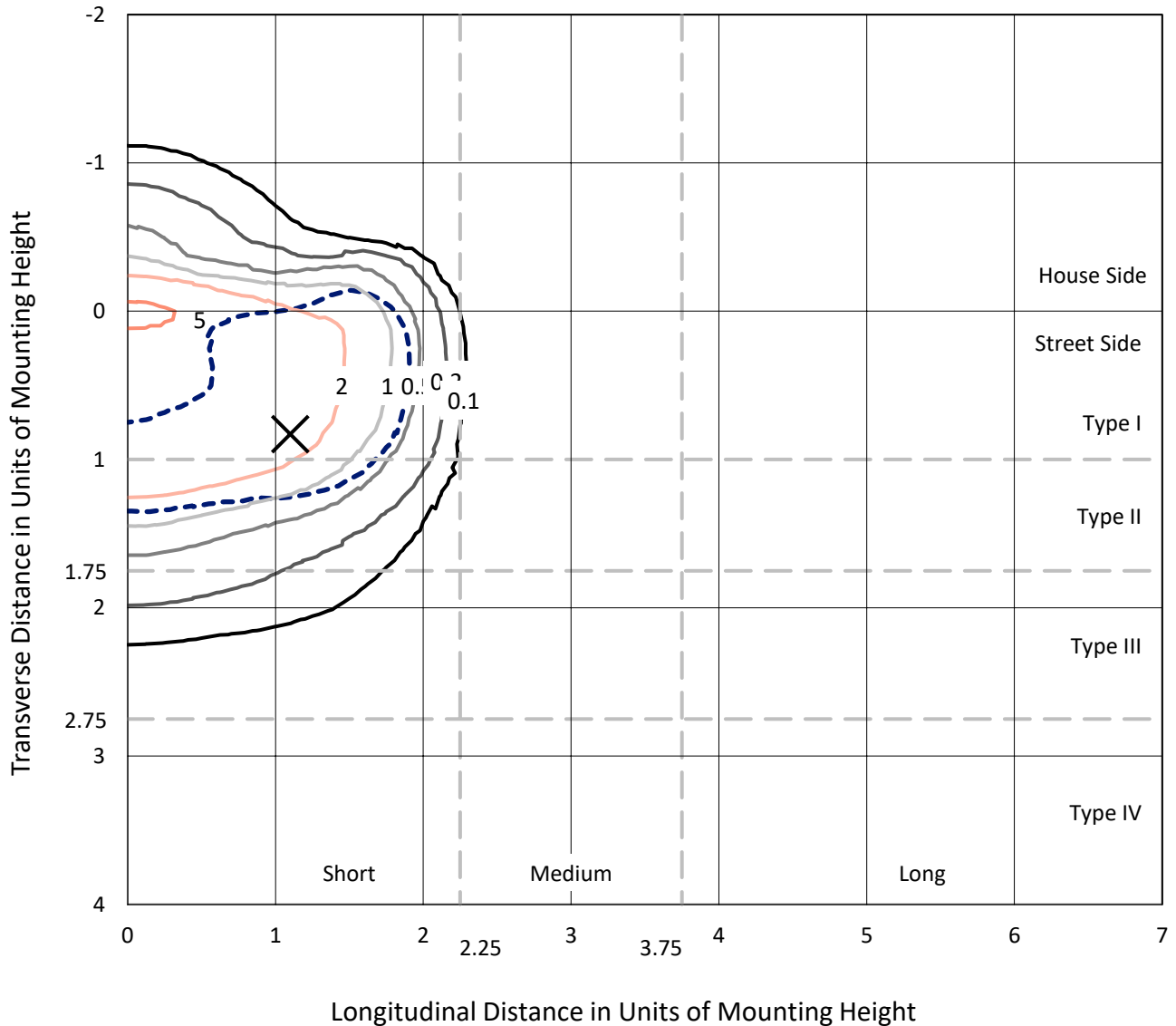
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

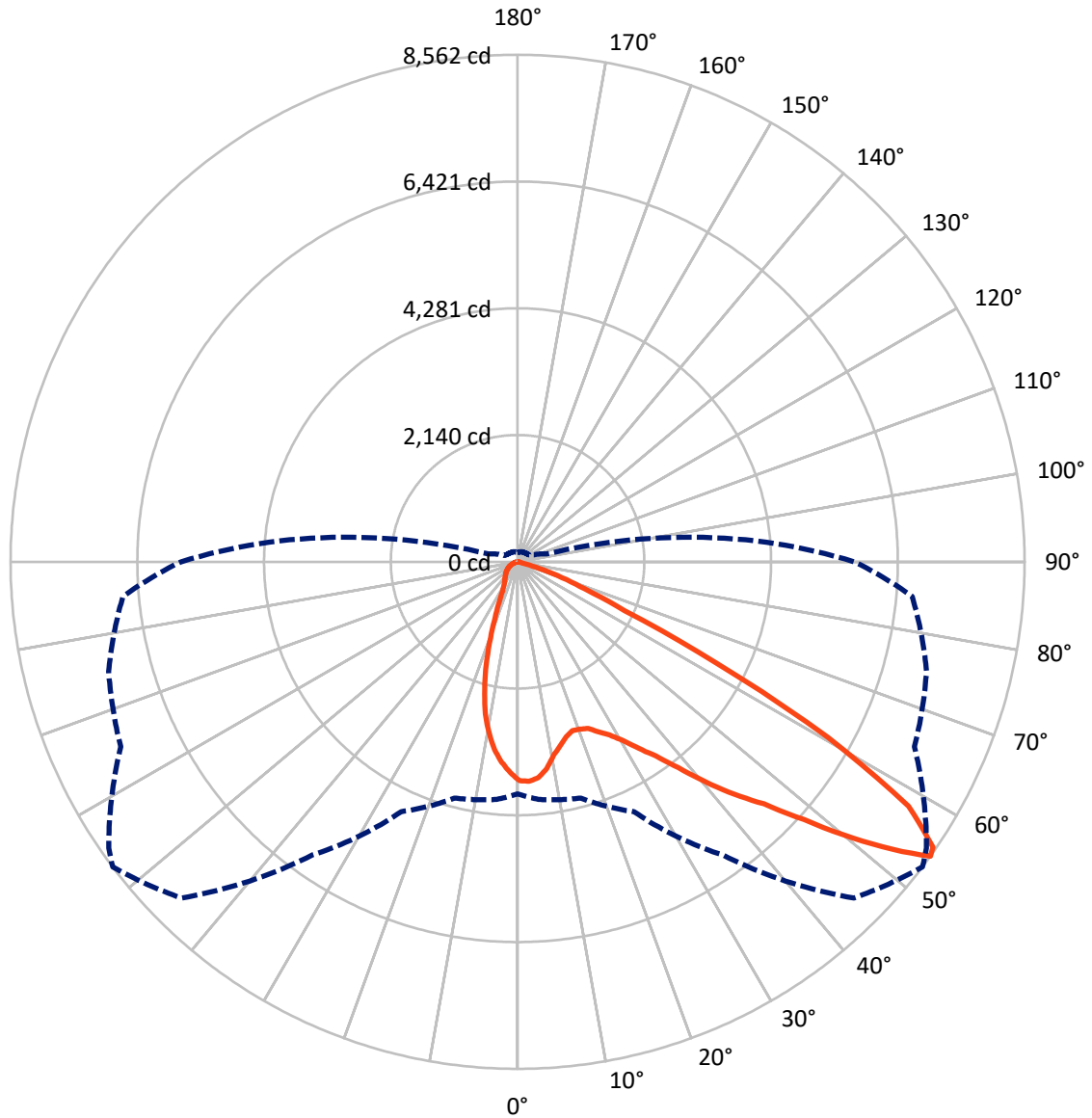
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1702.1	0.0	1702.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8585.7	0.0	8585.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	10287.8	0.0	10287.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.0	3.1
10°-20°	726.9	7.1
20°-30°	1033.0	10.0
30°-40°	1594.3	15.5
40°-50°	2499.7	24.3
50°-60°	2903.7	28.2
60°-70°	1097.2	10.7
70°-80°	104.3	1.0
80°-90°	11.7	0.1
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°	10287.8	100.0
0°-180°	10287.8	100.0

Coefficient of Utilization

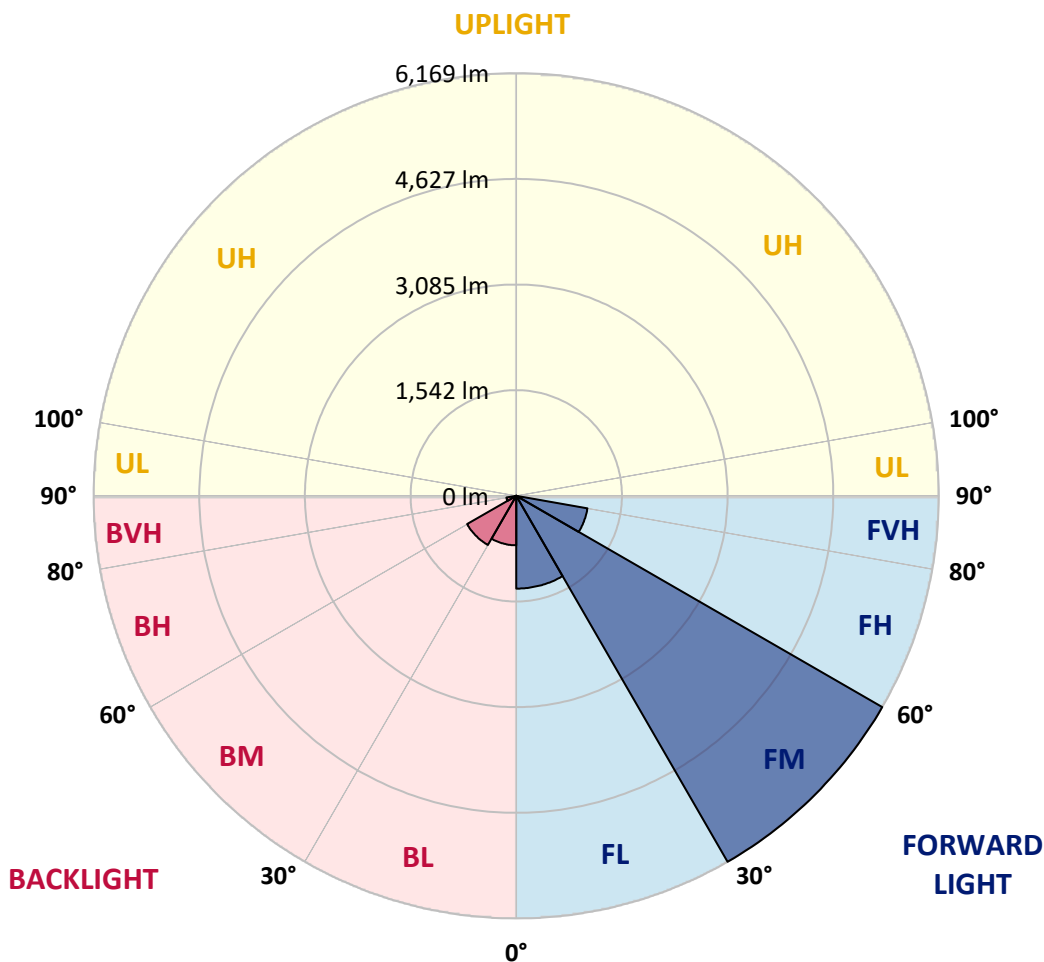


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1354.6	13.2			
FM (30°-60°)	6169.3	60.0			
FH (60°-80°)	1055.7	10.3			G1/1800
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	722.3	7.0	B2/1000		
BM (30°-60°)	828.3	8.1	B1/1000		
BH (60°-80°)	145.8	1.4	B1/500		G1/500
BVH (80°-90°)	5.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2
2.5°	3676.0	3643.5	3676.0	3679.9	3702.9	3723.9	3710.6	3741.3	3723.9	3704.8	3699.0
5°	3379.0	3423.0	3425.0	3494.0	3478.6	3605.2	3660.7	3645.4	3739.3	3733.6	3720.1
7.5°	3112.6	3095.4	3118.3	3198.8	3300.4	3446.1	3526.6	3524.7	3658.8	3754.6	3745.0
10°	2865.3	2863.4	2911.4	2974.5	3060.8	3214.1	3325.3	3380.9	3589.8	3735.5	3756.5
12.5°	2698.6	2690.9	2742.7	2794.4	2930.5	3049.3	3191.1	3218.0	3457.6	3668.4	3702.9
15°	2589.3	2606.6	2610.4	2710.1	2796.3	2953.5	3064.7	3120.3	3396.3	3614.7	3747.0
17.5°	2570.2	2593.1	2595.1	2677.5	2769.5	2901.7	2999.5	3074.2	3344.5	3641.6	3748.8
20°	2608.5	2595.1	2606.6	2658.4	2748.4	2874.9	3016.7	3041.6	3327.2	3655.0	3770.0
22.5°	2717.7	2713.9	2685.1	2727.3	2790.6	2922.9	3057.0	3095.4	3377.1	3723.9	3787.2
25°	2838.5	2859.6	2832.7	2827.0	2871.1	3001.4	3179.7	3229.5	3543.8	3848.5	3840.8
27.5°	3064.7	3043.6	3043.6	3016.7	3005.2	3068.5	3311.9	3394.3	3729.7	4009.5	3902.2
30°	3281.2	3304.3	3287.0	3296.6	3219.9	3214.1	3499.7	3601.3	4059.4	4254.9	4032.5
32.5°	3624.3	3593.7	3622.4	3597.5	3495.9	3392.4	3754.6	3860.0	4458.0	4536.6	4228.0
35°	3909.9	3896.4	4019.1	4015.3	3850.5	3748.8	4024.9	4182.0	4735.9	4873.9	4458.0
37.5°	4316.2	4291.3	4431.2	4498.3	4350.7	4199.3	4412.0	4594.1	4994.7	5144.2	4693.8
40°	4734.0	4797.3	4985.1	5096.2	4939.1	4737.9	4885.5	4941.0	5167.2	5320.5	4854.8
42.5°	5263.0	5355.0	5546.7	5642.5	5629.1	5410.6	5366.5	5364.6	5291.7	5270.7	4973.6
45°	5770.9	5736.4	6031.5	6240.5	6409.2	6345.9	5830.3	5772.8	5489.1	5345.4	5004.2
47.5°	5993.2	5981.7	6183.0	6554.8	7129.8	7208.4	6504.9	6282.6	5822.6	5659.8	5171.0
50°	5705.7	5765.2	5964.5	6376.5	7258.2	7858.1	7333.0	7033.9	6211.7	6043.0	5565.8
52.5°	4766.6	4806.8	4996.6	5519.8	6821.2	8241.4	8126.4	7953.9	6926.7	6646.8	6253.9
54°	3919.5	4026.8	4130.3	4655.4	6043.0	8028.6	8561.5	8429.2	7392.4	7148.9	6687.1
55°	3413.5	3476.8	3551.5	4074.7	5504.5	7668.3	8511.7	8523.1	7704.7	7306.1	6978.3
57.5°	2493.5	2537.6	2460.9	2692.8	3779.5	6227.0	7785.3	8095.8	8126.4	7541.9	7156.6
60°	1905.1	1924.3	1838.0	1874.4	2349.8	4274.0	6022.0	6395.7	7331.0	6591.2	6062.2
62.5°	1477.7	1481.5	1479.6	1542.9	1619.6	2514.6	3766.2	4097.7	5054.1	4680.4	4116.9
65°	1088.6	1071.4	1102.1	1293.7	1381.8	1581.2	1983.7	2225.2	2746.5	2319.1	1657.8
67.5°	705.3	711.0	741.7	962.2	1184.4	1213.2	1220.9	1201.7	1203.6	663.1	415.9
70°	423.6	433.2	423.6	544.3	847.1	870.1	795.4	776.2	605.7	157.1	155.3
72.5°	251.1	237.6	212.7	233.8	352.7	421.6	379.5	377.6	237.6	92.0	92.0
75°	105.4	95.8	78.6	70.9	93.9	90.0	90.0	80.5	63.3	61.3	57.5
77.5°	21.1	21.1	15.3	17.2	23.0	26.9	32.6	32.6	38.4	38.4	36.4
80°	0.0	1.9	5.7	11.5	17.2	24.9	28.7	28.7	32.6	32.6	26.9
82.5°	0.0	1.9	5.7	11.5	15.3	23.0	28.7	28.7	32.6	34.5	28.7
85°	0.0	1.9	5.7	9.6	15.3	19.2	19.2	17.2	13.4	11.5	7.7
87.5°	0.0	0.0	1.9	3.8	1.9	3.8	3.8	3.8	3.8	3.8	3.8
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°	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2
2.5°	3712.4	3710.6	3664.5	3589.8	3572.5	3509.3	3501.7	3463.3	3484.4	3413.5	3405.8
5°	3681.8	3658.8	3603.2	3555.3	3415.4	3315.7	3237.2	3141.3	3085.7	3095.4	3058.9
7.5°	3725.9	3666.5	3568.8	3402.0	3231.4	3057.0	2963.1	2767.6	2696.7	2591.3	2575.9
10°	3679.9	3635.8	3484.4	3208.4	2972.7	2721.6	2501.1	2284.6	2119.7	2048.9	2033.5
12.5°	3676.0	3599.4	3346.4	3039.8	2698.6	2338.3	2018.2	1748.0	1585.0	1493.0	1472.0
15°	3616.6	3524.7	3191.1	2779.1	2307.6	1859.1	1510.3	1249.6	1125.0	1071.4	1086.7
17.5°	3622.4	3484.4	3035.9	2503.1	1922.3	1364.6	1031.1	897.0	864.4	877.8	877.8
20°	3616.6	3394.3	2848.1	2185.0	1472.0	946.8	757.1	709.2	730.2	772.4	762.8
22.5°	3586.0	3352.2	2675.6	1849.5	1082.9	701.5	607.5	609.5	642.1	693.8	705.3
25°	3609.0	3258.2	2457.1	1510.3	789.7	559.6	527.0	540.5	575.0	613.3	621.0
27.5°	3591.7	3191.1	2229.0	1172.9	576.9	481.1	479.1	494.5	509.8	538.5	538.5
30°	3610.9	3129.8	2004.8	872.0	475.3	440.8	433.2	444.7	460.0	465.7	463.8
32.5°	3681.8	3083.8	1746.0	651.6	419.8	402.5	402.5	402.5	400.6	408.3	410.1
35°	3837.0	3091.5	1517.9	504.1	383.4	369.9	364.2	356.5	352.7	356.5	358.4
37.5°	4005.7	3087.7	1282.2	429.3	356.5	345.0	331.6	320.1	318.1	322.0	316.3
40°	4080.4	3124.1	1063.7	385.2	331.6	318.1	297.1	287.5	289.4	293.2	289.4
42.5°	4182.0	3135.6	921.9	350.7	308.6	287.5	274.0	262.5	260.7	266.4	264.5
45°	4180.1	3070.4	772.4	331.6	287.5	264.5	247.3	237.6	237.6	241.5	243.4
47.5°	4302.8	3060.8	663.1	314.3	272.2	249.2	228.1	220.4	218.5	218.5	214.7
50°	4588.4	3195.0	578.8	295.2	253.0	231.9	214.7	205.1	197.4	193.6	191.7
52.5°	5146.1	3612.8	513.6	272.2	231.9	214.7	199.4	191.7	182.0	172.5	170.6
54°	5686.5	4044.0	509.8	253.0	214.7	203.2	189.7	185.9	174.4	161.0	157.1
55°	5930.0	4295.1	523.2	237.6	203.2	195.5	184.0	180.2	168.7	153.3	151.4
57.5°	6131.2	4392.9	515.6	197.4	184.0	182.0	172.5	166.8	153.3	132.2	128.4
60°	4935.2	3321.5	369.9	174.4	168.7	164.8	157.1	153.3	136.1	113.1	111.2
62.5°	3118.3	1910.8	235.8	153.3	147.6	141.8	132.2	128.4	113.1	90.0	84.3
65°	1328.2	791.5	159.1	136.1	126.5	116.9	109.2	103.5	90.0	67.1	65.1
67.5°	345.0	281.7	132.2	118.9	105.4	92.0	86.2	76.7	61.3	46.0	44.1
70°	155.3	141.8	111.2	99.7	84.3	70.9	63.3	53.6	40.2	30.7	28.7
72.5°	92.0	90.0	84.3	74.8	63.3	53.6	46.0	36.4	26.9	17.2	17.2
75°	57.5	55.6	57.5	51.8	44.1	40.2	34.5	24.9	15.3	7.7	7.7
77.5°	34.5	34.5	34.5	32.6	30.7	30.7	24.9	15.3	7.7	1.9	1.9
80°	26.9	26.9	28.7	26.9	26.9	26.9	21.1	11.5	3.8	0.0	0.0
82.5°	26.9	28.7	32.6	30.7	26.9	23.0	19.2	11.5	3.8	0.0	0.0
85°	7.7	5.7	9.6	13.4	19.2	17.2	13.4	9.6	3.8	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	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)