

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: P530063

Luminaire Tested: **GLAN-SA5B-730-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-730-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15497 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

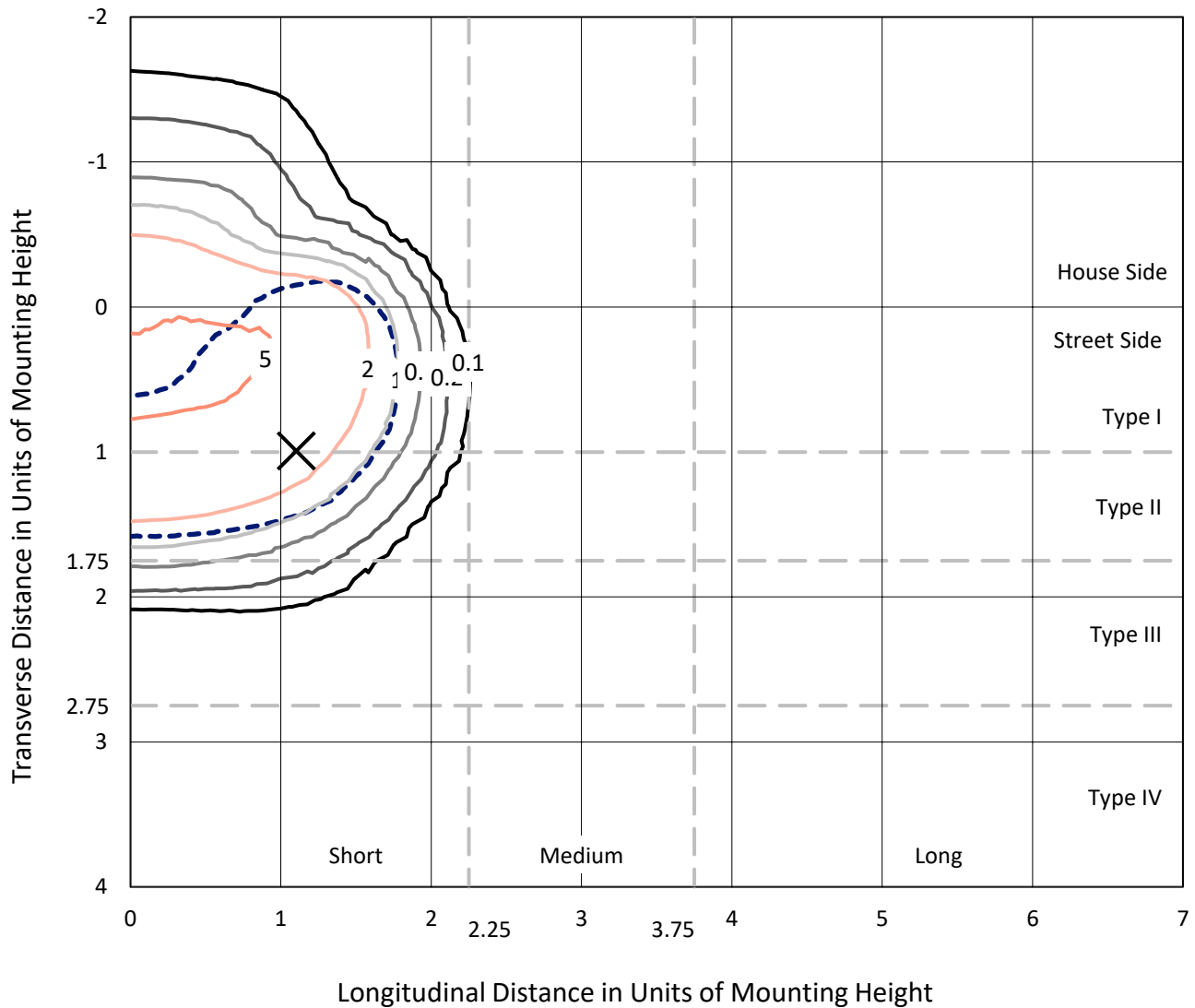
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

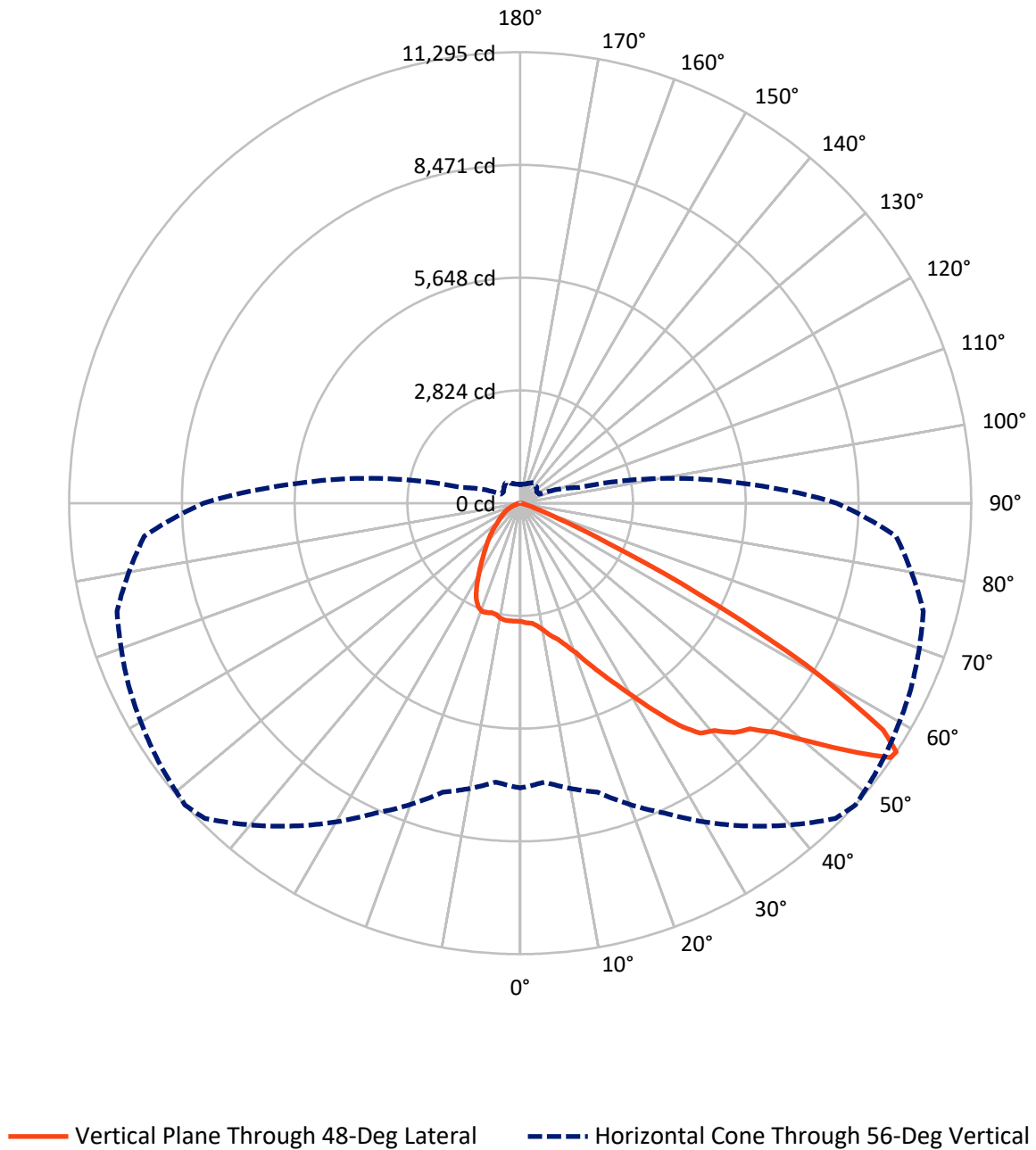
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	3370.3	0.0	3370.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	12126.7	0.0	12126.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	15497.0	0.0	15497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.3	1.9
10°-20°	921.5	5.9
20°-30°	1671.3	10.8
30°-40°	2625.3	16.9
40°-50°	3829.9	24.7
50°-60°	4614.3	29.8
60°-70°	1351.0	8.7
70°-80°	171.4	1.1
80°-90°	24.0	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°	15497.0	100.0
0°-180°	15497.0	100.0

Coefficient of Utilization



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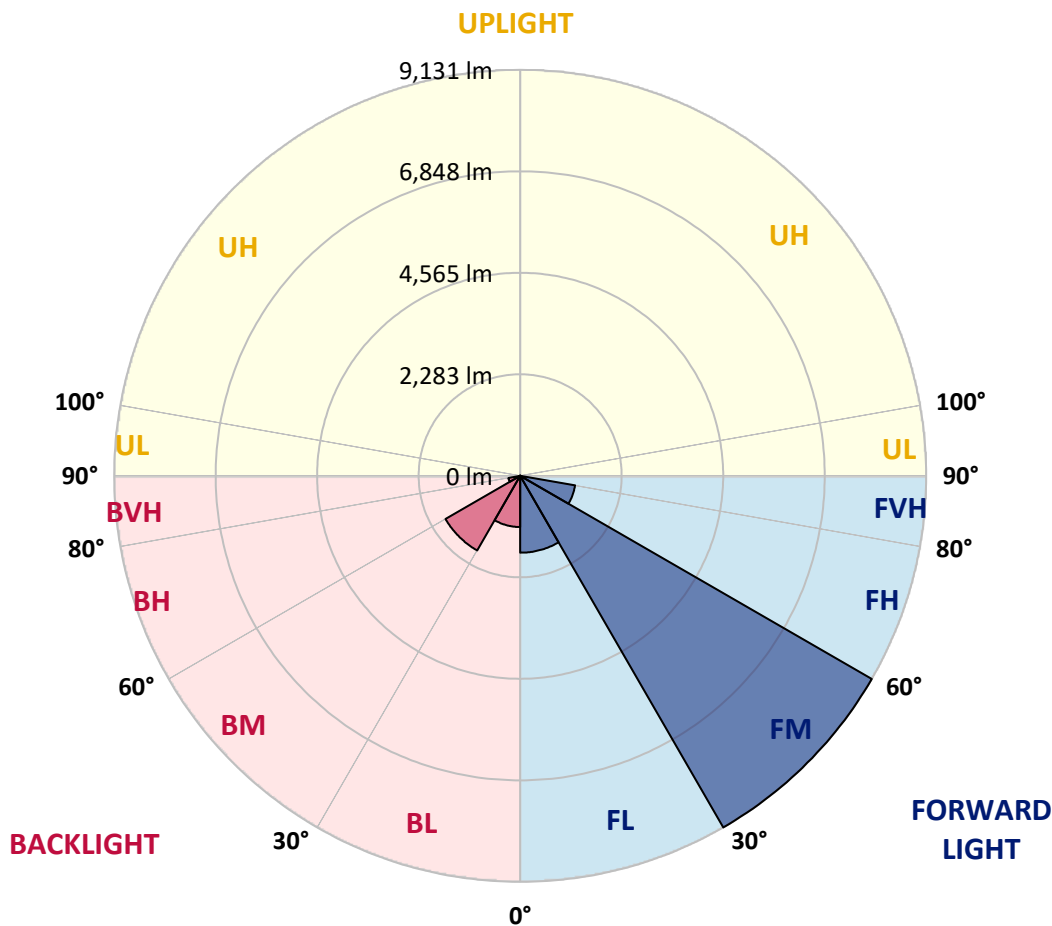
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1729.2	11.2			
FM	(30°-60°)	9130.9	58.9			
FH	(60°-80°)	1254.6	8.1			G1/1800
FVH	(80°-90°)	12.1	0.1			G1/100
BL	(0°-30°)	1152.0	7.4	B3/2500		
BM	(30°-60°)	1938.6	12.5	B2/2500		
BH	(60°-80°)	267.8	1.7	B1/500		G1/500
BVH	(80°-90°)	12.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9
2.5°	3013.5	2999.4	2999.4	2976.9	3002.3	2991.0	2999.4	2971.2	2999.4	2957.1	2991.0
5°	3027.7	3030.5	3019.2	3033.3	3033.3	3050.2	3022.0	3047.4	3061.5	3030.5	3016.4
7.5°	3101.0	3106.7	3103.8	3092.6	3115.1	3112.3	3109.5	3089.7	3095.4	3084.1	3067.2
10°	3244.9	3242.1	3256.2	3228.0	3211.1	3230.8	3236.5	3205.4	3182.8	3174.4	3120.8
12.5°	3453.7	3419.9	3400.1	3371.9	3380.4	3352.1	3402.9	3349.3	3338.0	3287.2	3233.6
15°	3623.0	3617.4	3620.2	3575.1	3524.3	3535.6	3535.6	3507.3	3490.4	3428.3	3352.1
17.5°	3970.1	3851.6	3877.0	3820.5	3778.2	3775.4	3750.0	3755.6	3710.5	3580.7	3465.0
20°	4241.0	4190.2	4150.7	4054.7	3989.8	4009.6	3998.3	3970.1	3956.0	3786.7	3623.0
22.5°	4483.6	4500.6	4435.7	4410.3	4320.0	4328.4	4351.0	4325.6	4218.4	4043.5	3800.8
25°	4825.1	4805.3	4717.8	4686.8	4602.1	4633.2	4720.7	4700.9	4633.2	4317.2	3939.1
27.5°	5228.6	5160.8	5177.8	5036.7	4954.9	5042.3	5146.7	5245.5	5053.6	4638.8	4102.7
30°	5513.5	5443.0	5437.4	5431.7	5412.0	5513.5	5634.9	5725.2	5570.0	4960.5	4373.6
32.5°	5654.6	5671.6	5719.5	5702.6	5874.7	6083.5	6210.5	6340.3	6145.6	5485.3	4731.9
35°	6029.9	5922.7	6029.9	6041.2	6219.0	6662.0	6822.8	7133.2	7085.2	6227.4	5169.3
37.5°	6250.0	6241.5	6255.6	6362.9	6535.0	7082.4	7311.0	7550.8	7460.5	6673.3	5713.9
40°	6614.0	6636.6	6633.8	6715.6	6904.6	7398.4	7491.5	7686.2	7694.7	7291.2	6515.2
42.5°	7198.1	7107.8	7048.5	7133.2	7398.4	7672.1	7858.4	7818.9	8098.2	8041.8	7545.2
45°	7722.9	7776.5	7689.1	7830.1	7926.1	8072.8	8067.2	8151.8	8507.3	8775.4	8321.1
47.5°	8213.9	8247.7	8290.1	8386.0	8594.8	8617.4	8569.4	8532.7	9023.7	9300.2	8922.1
50°	8507.3	8538.4	8735.9	8908.0	9297.4	9348.2	9376.4	9283.3	9616.3	9647.3	9489.3
52.5°	8428.3	8462.2	8738.7	9305.9	9926.6	10392.2	10307.6	10149.6	10129.8	10251.1	10014.1
55°	7728.6	7697.5	8078.4	8961.6	10124.2	11241.5	11252.8	11086.3	10767.5	10685.7	9935.1
56°	7133.2	7011.9	7497.2	8563.8	9870.2	11168.2	11295.2	11117.4	10818.3	10451.5	9447.0
57.5°	5843.7	5959.4	6441.9	7325.1	8992.7	10640.5	10713.9	10671.6	10445.8	9830.7	8312.6
60°	3222.3	3425.5	3851.6	4932.3	6402.4	8165.9	8225.2	8569.4	8611.7	7528.2	5719.5
62.5°	1368.5	1345.9	1788.9	2584.7	3645.6	4929.5	5039.5	5392.2	5457.1	4339.7	2869.6
65°	555.9	586.9	809.8	1300.8	1927.2	2246.1	2401.2	2516.9	2731.4	1791.8	1058.1
67.5°	366.8	364.0	476.9	742.1	1038.4	1001.7	1001.7	1058.1	979.1	730.8	457.1
70°	262.4	270.9	341.4	513.5	646.2	479.7	459.9	440.2	499.4	482.5	369.6
72.5°	172.1	183.4	228.6	307.6	335.8	262.4	262.4	316.0	412.0	389.4	301.9
75°	112.9	115.7	141.1	177.8	166.5	135.4	149.5	211.6	299.1	287.8	214.4
77.5°	76.2	79.0	95.9	115.7	93.1	76.2	81.8	107.2	146.7	146.7	112.9
80°	28.2	31.0	39.5	36.7	42.3	53.6	59.3	73.4	87.5	87.5	76.2
82.5°	0.0	2.8	8.5	19.8	31.0	42.3	48.0	56.4	64.9	73.4	70.5
85°	0.0	2.8	8.5	14.1	22.6	25.4	28.2	19.8	16.9	16.9	14.1
87.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.6	2.8	2.8
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°	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9	2959.9
2.5°	2959.9	2957.1	2957.1	2948.6	2965.6	2957.1	2962.8	2959.9	2923.3	2951.5	2931.7
5°	2991.0	3010.7	2979.7	2974.0	2951.5	2959.9	2959.9	2931.7	2957.1	2954.3	2948.6
7.5°	3070.0	3036.1	3002.3	2968.4	2962.8	2954.3	2923.3	2912.0	2931.7	2909.1	2943.0
10°	3103.8	3109.5	3058.7	3013.5	2971.2	2912.0	2869.6	2844.2	2813.2	2847.1	2866.8
12.5°	3259.0	3202.6	3115.1	3044.6	2900.7	2841.4	2799.1	2787.8	2841.4	2852.7	2833.0
15°	3312.6	3304.2	3191.3	3033.3	2883.7	2813.2	2821.7	2799.1	2804.7	2776.5	2782.2
17.5°	3422.7	3326.8	3194.1	2996.6	2880.9	2864.0	2813.2	2722.9	2672.1	2649.5	2669.3
20°	3544.0	3450.9	3259.0	3010.7	2906.3	2861.2	2694.7	2584.7	2480.2	2423.8	2426.6
22.5°	3651.2	3535.6	3230.8	3016.4	2928.9	2742.7	2542.3	2325.1	2195.3	2107.8	2110.6
25°	3781.0	3617.4	3242.1	3027.7	2869.6	2553.6	2265.8	2054.2	1899.0	1839.7	1859.5
27.5°	3854.4	3668.2	3304.2	3053.0	2714.4	2285.6	1975.2	1777.7	1687.4	1659.1	1656.3
30°	4074.5	3781.0	3380.4	3002.3	2454.9	1997.7	1709.9	1588.6	1501.1	1475.7	1481.4
32.5°	4401.8	3987.0	3479.1	2869.6	2189.6	1741.0	1537.8	1447.5	1365.7	1317.7	1312.1
35°	4675.5	4339.7	3583.5	2663.7	1882.1	1543.5	1416.5	1303.6	1179.5	1125.8	1111.7
37.5°	5197.5	4737.6	3560.9	2353.3	1588.6	1396.7	1286.7	1148.4	1041.2	967.8	959.4
40°	5891.7	5203.2	3450.9	1975.2	1371.3	1266.9	1148.4	1015.8	883.2	821.1	815.5
42.5°	6735.3	5773.1	3250.6	1591.4	1154.1	1137.1	1029.9	877.5	759.0	713.9	716.7
45°	7421.0	6261.3	3047.4	1278.2	993.2	1010.2	917.0	773.1	691.3	654.6	654.6
47.5°	8030.5	6591.4	2827.3	1055.3	843.7	883.2	801.4	716.7	646.2	617.9	612.3
50°	8617.4	6927.2	2607.2	855.0	719.5	759.0	750.6	682.8	626.4	592.6	595.4
52.5°	8984.2	6980.8	2327.9	699.8	629.2	674.4	702.6	640.5	578.4	558.7	553.0
55°	8535.6	6289.5	1805.9	575.6	533.3	592.6	646.2	575.6	527.7	493.8	491.0
56°	7931.7	5623.6	1509.6	530.5	505.1	570.0	626.4	550.2	496.6	476.9	462.8
57.5°	6715.6	4602.1	1114.6	471.2	468.4	530.5	595.4	524.8	462.8	445.8	445.8
60°	4187.4	2590.3	674.4	395.0	406.3	471.2	536.1	468.4	412.0	412.0	420.4
62.5°	1907.5	1077.9	409.1	335.8	349.9	406.3	476.9	423.3	392.2	423.3	428.9
65°	649.0	465.6	296.3	268.1	276.5	335.8	409.1	428.9	426.1	445.8	457.1
67.5°	364.0	299.1	248.3	222.9	217.3	248.3	335.8	428.9	412.0	403.5	409.1
70°	307.6	254.0	220.1	197.5	189.1	200.3	259.6	324.5	290.6	282.2	276.5
72.5°	248.3	211.6	191.9	177.8	152.4	129.8	118.5	124.2	138.3	146.7	160.8
75°	174.9	160.8	160.8	143.9	110.0	81.8	64.9	53.6	36.7	25.4	28.2
77.5°	98.8	98.8	101.6	87.5	70.5	53.6	39.5	28.2	14.1	5.6	2.8
80°	67.7	73.4	79.0	70.5	59.3	48.0	33.9	19.8	8.5	0.0	0.0
82.5°	67.7	76.2	81.8	70.5	59.3	45.1	33.9	19.8	8.5	2.8	0.0
85°	14.1	16.9	19.8	22.6	33.9	33.9	25.4	16.9	8.5	2.8	0.0
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	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)