

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: P532170

Luminaire Tested: **GLAN-SA7C-730-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-730-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38022 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 377
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

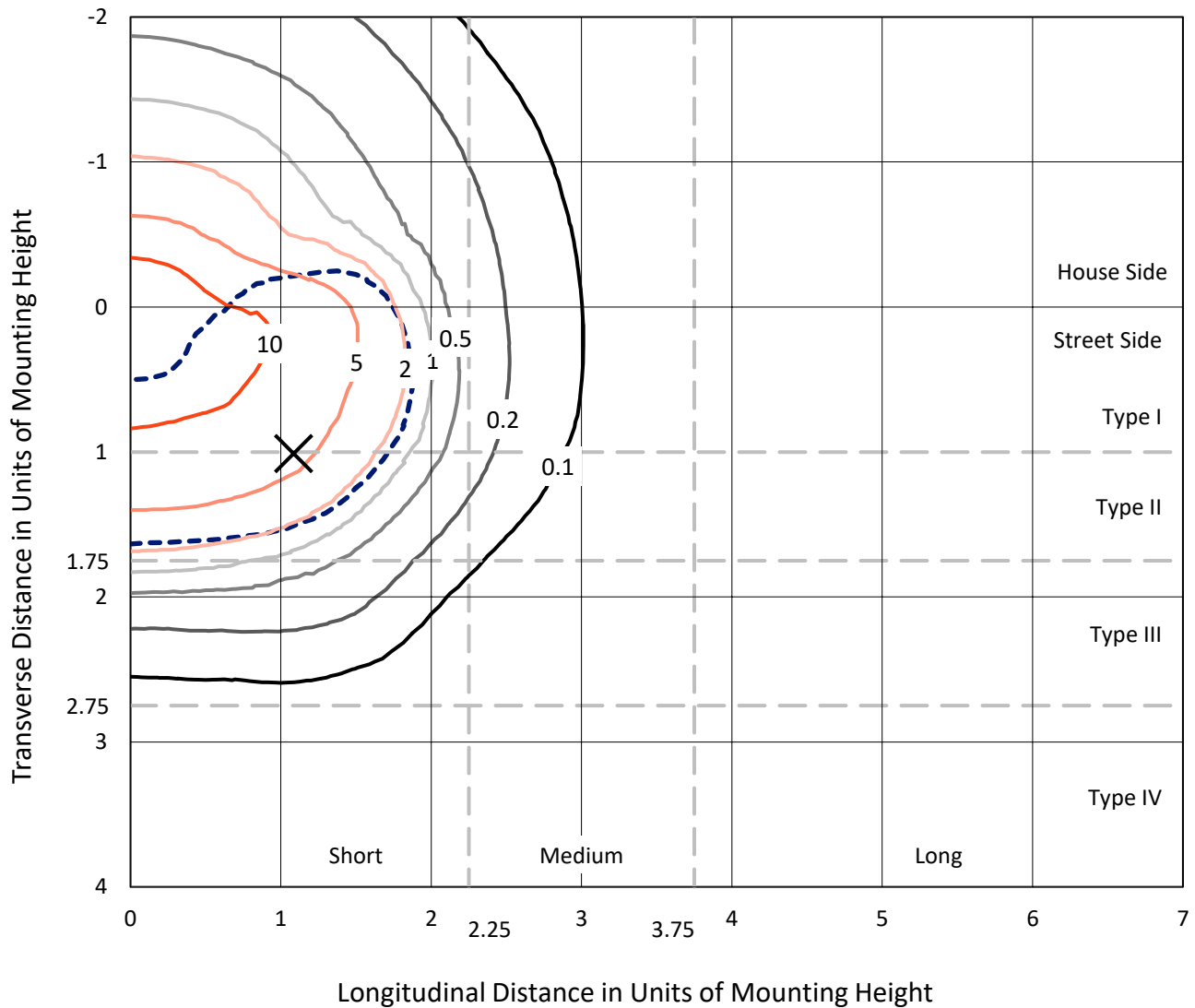


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Iso-Footcandle Lines of Horizontal Illumination

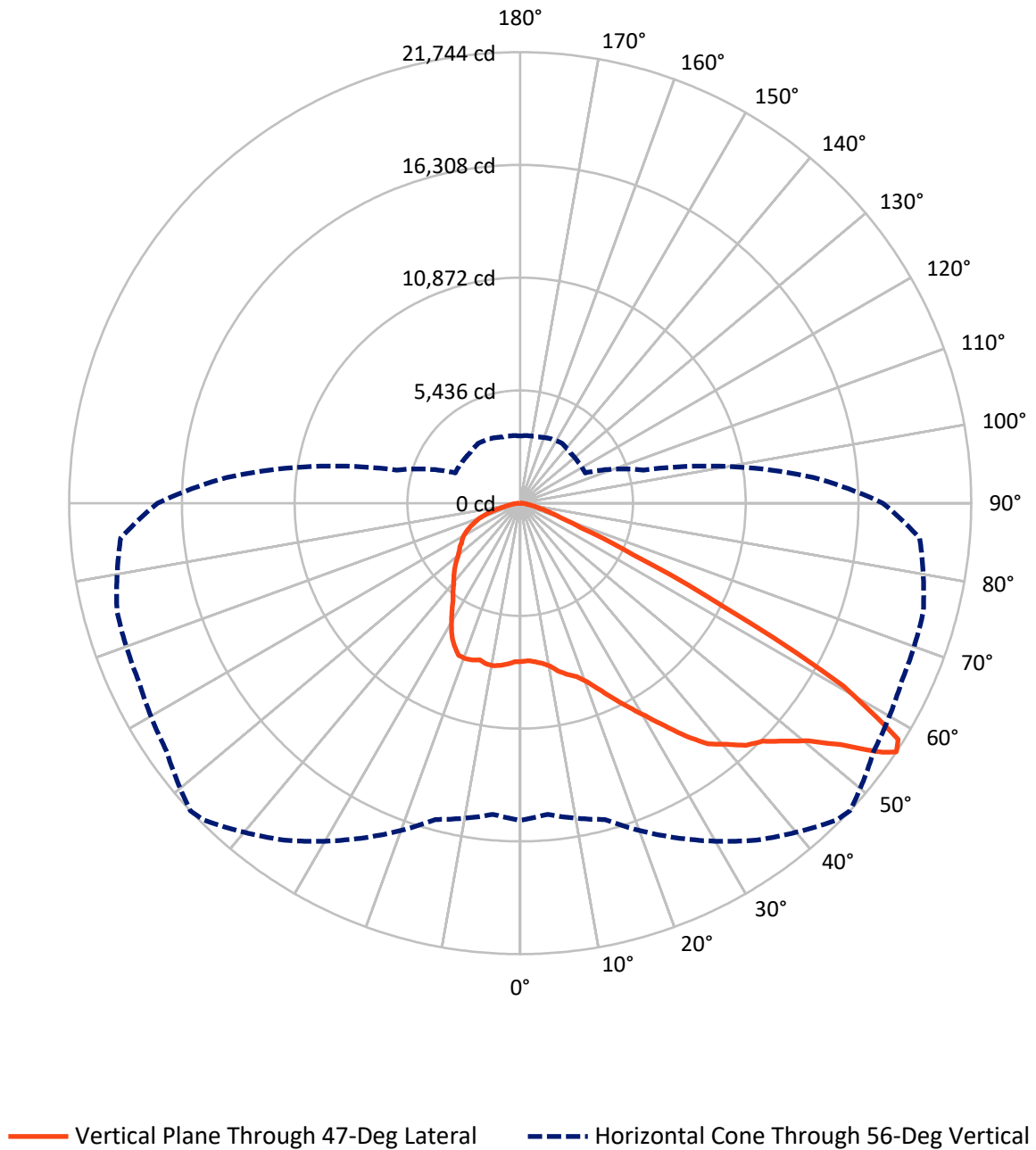
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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	12048.7	0.0	12048.7
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	25973.3	0.0	25973.3
	% Fixture	68.3	0.0	68.3
Total	Lumens	38022.0	0.0	38022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.2	2.0
10°-20°	2347.5	6.2
20°-30°	4149.8	10.9
30°-40°	6232.8	16.4
40°-50°	8553.9	22.5
50°-60°	10190.9	26.8
60°-70°	4361.1	11.5
70°-80°	1234.2	3.2
80°-90°	207.7	0.5
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°	38022.0	100.0
0°-180°	38022.0	100.0

Coefficient of Utilization



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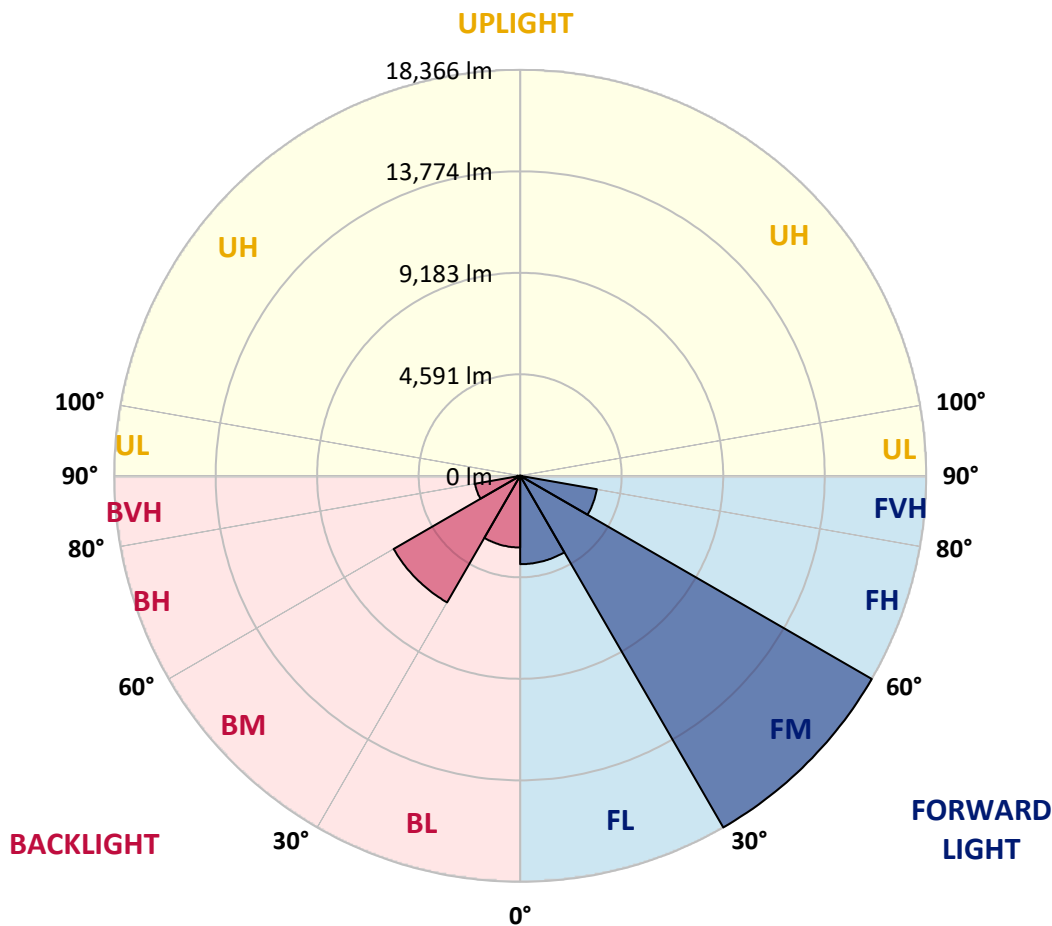
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3997.4	10.5			
FM	(30°-60°)	18365.5	48.3			
FH	(60°-80°)	3522.2	9.3			G2/5000
FVH	(80°-90°)	88.1	0.2			G1/100
BL	(0°-30°)	3244.0	8.5	B4/5000		
BM	(30°-60°)	6612.1	17.4	B4/8500		
BH	(60°-80°)	2073.0	5.5	B3/2500		G3/2500
BVH	(80°-90°)	119.5	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5
2.5°	7608.4	7593.8	7584.1	7661.7	7632.6	7637.5	7608.4	7637.5	7656.9	7613.2	7676.3
5°	7593.8	7637.5	7598.7	7622.9	7686.0	7666.6	7686.0	7744.1	7729.6	7715.1	7695.7
7.5°	7729.6	7734.4	7763.5	7773.2	7792.6	7773.2	7802.3	7855.7	7841.1	7758.7	7768.4
10°	7923.6	7933.3	7938.1	7991.5	8025.4	8030.2	7996.3	7947.8	7943.0	8054.5	7976.9
12.5°	8146.6	8122.4	8180.6	8200.0	8238.8	8282.4	8326.0	8224.2	8287.3	8292.1	8200.0
15°	8471.5	8495.8	8427.9	8427.9	8442.4	8447.3	8568.5	8520.0	8510.3	8457.0	8495.8
17.5°	8956.4	8791.6	8786.7	8718.8	8709.1	8747.9	8791.6	8830.4	8961.3	8854.6	8646.1
20°	9310.4	9349.2	9208.6	9126.2	9140.7	9228.0	9184.4	9358.9	9451.1	9276.5	9072.8
22.5°	9936.0	9805.0	9839.0	9654.7	9669.3	9761.4	9756.6	9936.0	9989.3	9712.9	9417.1
25°	10357.9	10323.9	10353.0	10207.5	10226.9	10299.7	10416.0	10711.8	10624.6	10319.1	9635.3
27.5°	10973.7	10905.8	10881.6	10828.2	10808.8	11002.8	11138.6	11453.8	11390.7	10944.6	10023.3
30°	11604.1	11560.5	11584.7	11366.5	11444.1	11856.3	11895.0	12326.6	12297.5	11512.0	10454.8
32.5°	12040.5	12064.8	12108.4	11987.2	12331.5	12661.2	12792.1	13281.9	13306.2	12486.6	11288.9
35°	12743.7	12661.2	12685.5	12826.1	12986.1	13587.4	13800.8	14125.7	14329.3	13509.8	12089.0
37.5°	13184.9	13272.2	13170.4	13393.4	13810.5	14533.0	14727.0	15061.6	15274.9	14518.5	13180.1
40°	13873.5	13732.9	13805.6	13965.6	14392.4	15333.1	15279.8	15624.1	15692.0	15376.8	14198.4
42.5°	14615.4	14547.6	14445.7	14809.4	15168.2	15852.0	15958.7	15798.6	16142.9	16215.7	15653.2
45°	15502.8	15585.3	15599.8	15609.5	15924.7	16521.2	16375.7	16235.1	16632.7	17161.3	16555.1
47.5°	16327.2	16065.3	16254.5	16516.3	16962.4	16967.3	17137.0	16802.4	17224.3	17694.7	17369.8
50°	16603.6	16477.5	16729.7	17224.3	17912.9	17985.6	18005.0	17529.8	17748.0	18121.4	17651.0
52.5°	16496.9	16453.3	17098.2	17864.4	18873.0	19241.6	19338.5	18751.8	18873.0	18703.3	18271.7
55°	15987.8	16118.7	16768.5	18329.9	19876.8	21016.4	21200.6	20458.7	19687.7	19818.6	19343.4
56°	15289.5	15061.6	15788.9	17801.4	19833.2	21593.4	21743.7	20817.5	20293.8	20124.1	19333.7
57.5°	12971.6	12675.8	13631.1	16016.9	18732.4	21375.2	21486.7	20967.9	20192.0	19847.7	17922.6
60°	7593.8	7739.3	8951.6	11046.4	14450.6	17525.0	17898.3	18276.6	17757.7	16215.7	13340.1
62.5°	3666.0	3573.8	4441.9	6333.0	8806.1	11187.1	11075.5	12137.5	12719.4	11521.7	8423.0
65°	1920.3	1910.6	2424.6	3457.5	4839.5	5877.2	5979.0	6551.2	7351.4	5935.4	4277.0
67.5°	1411.1	1449.9	1706.9	2429.4	3113.2	3176.2	3161.7	3447.8	3525.4	2982.2	2628.3
70°	1105.6	1125.0	1314.1	1847.5	2317.9	2075.5	2031.8	2065.8	2293.7	2390.6	2274.3
72.5°	800.1	819.5	979.5	1246.2	1449.9	1416.0	1445.1	1634.2	1915.4	2017.3	1896.0
75°	533.4	548.0	635.2	761.3	858.3	926.2	979.5	1197.7	1459.6	1517.8	1459.6
77.5°	368.5	383.1	441.3	538.3	548.0	591.6	611.0	712.8	872.9	945.6	906.8
80°	208.5	208.5	237.6	276.4	339.4	397.6	407.3	489.8	562.5	611.0	620.7
82.5°	97.0	101.8	126.1	169.7	223.1	276.4	286.1	339.4	392.8	441.3	455.8
85°	48.5	53.3	72.7	101.8	135.8	164.9	160.0	164.9	174.6	164.9	169.7
87.5°	14.5	14.5	19.4	24.2	19.4	24.2	24.2	29.1	33.9	38.8	43.6
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°	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5	7637.5
2.5°	7681.1	7695.7	7598.7	7690.8	7656.9	7652.0	7719.9	7710.2	7734.4	7724.7	7666.6
5°	7686.0	7652.0	7753.8	7661.7	7705.4	7797.5	7734.4	7879.9	7807.2	7855.7	7749.0
7.5°	7836.3	7846.0	7826.6	7865.4	7846.0	7889.6	7855.7	7889.6	7831.4	7836.3	7933.3
10°	7967.2	7938.1	7972.1	7923.6	7957.5	7943.0	7865.4	7841.1	7860.5	7836.3	7899.3
12.5°	8209.7	8156.3	8132.1	8073.9	8035.1	7889.6	7768.4	7700.5	7792.6	7807.2	7778.1
15°	8457.0	8461.8	8350.3	8219.4	7976.9	7758.7	7787.8	7812.0	7812.0	7850.8	7778.1
17.5°	8612.2	8612.2	8510.3	8248.5	8001.2	7875.1	7846.0	7768.4	7700.5	7690.8	7686.0
20°	8883.7	8801.3	8568.5	8243.6	7991.5	7933.3	7715.1	7530.8	7390.2	7341.7	7336.8
22.5°	9194.1	8985.5	8660.6	8253.3	7976.9	7894.5	7487.1	7210.7	6958.6	6851.9	6866.4
25°	9480.2	9145.6	8714.0	8209.7	7923.6	7525.9	7070.1	6687.0	6425.2	6337.9	6294.2
27.5°	9679.0	9315.3	8714.0	8248.5	7724.7	7113.8	6648.2	6158.5	5930.6	5872.4	5882.1
30°	9945.7	9528.6	8864.3	8166.0	7327.1	6580.3	6022.7	5702.6	5566.9	5518.4	5552.3
32.5°	10571.2	10086.3	9072.8	7967.2	6856.7	6046.9	5596.0	5416.5	5217.7	5120.7	5086.8
35°	11250.1	10614.9	9276.5	7632.6	6328.2	5562.0	5280.8	5115.9	4878.3	4771.6	4791.0
37.5°	12210.2	11293.7	9291.0	7079.8	5756.0	5290.5	5033.5	4776.4	4582.5	4417.6	4369.1
40°	13505.0	12219.9	9257.1	6497.9	5295.3	4970.4	4781.3	4461.2	4243.0	4126.7	4150.9
42.5°	14644.5	13306.2	9116.5	5838.4	4878.3	4752.2	4538.8	4223.6	4010.3	3889.0	3879.3
45°	15604.7	14106.3	8849.8	5275.9	4529.1	4509.7	4262.4	4020.0	3850.3	3738.7	3787.2
47.5°	16492.1	14751.2	8447.3	4713.4	4209.1	4247.9	4010.3	3860.0	3753.3	3651.4	3646.6
50°	16812.1	14741.5	8093.3	4247.9	3952.1	3932.7	3923.0	3763.0	3651.4	3564.2	3602.9
52.5°	17345.5	14906.4	7710.2	3927.8	3719.3	3724.2	3758.1	3641.7	3515.7	3462.3	3510.8
55°	18111.7	14930.6	6866.4	3554.5	3525.4	3559.3	3559.3	3481.7	3375.0	3331.4	3307.1
56°	17486.2	14208.1	6158.5	3457.5	3428.4	3428.4	3520.5	3433.2	3302.3	3268.3	3239.3
57.5°	16128.4	12447.9	5154.7	3341.1	3297.4	3365.3	3413.8	3321.7	3200.5	3152.0	3181.1
60°	11124.0	8423.0	3874.5	3088.9	3088.9	3200.5	3239.3	3103.5	3050.1	3045.3	3006.5
62.5°	6493.1	4907.4	3030.7	2861.0	2870.7	2962.9	2991.9	2914.4	2846.5	2928.9	2967.7
65°	3442.9	2928.9	2599.2	2618.6	2623.4	2696.1	2822.2	2817.4	2812.5	2836.8	2841.6
67.5°	2492.5	2434.3	2361.6	2342.2	2351.9	2405.2	2531.3	2628.3	2623.4	2565.2	2521.6
70°	2220.9	2138.5	2094.8	2099.7	2060.9	2123.9	2225.8	2288.8	2177.3	2109.4	2080.3
72.5°	1847.5	1823.3	1794.2	1799.0	1721.5	1706.9	1590.5	1590.5	1561.4	1542.0	1576.0
75°	1411.1	1401.4	1416.0	1391.7	1309.3	1222.0	1154.1	1091.1	994.1	955.3	935.9
77.5°	892.2	921.3	955.3	901.9	868.0	805.0	737.1	674.0	596.4	552.8	552.8
80°	606.1	630.4	654.6	644.9	606.1	548.0	494.6	426.7	373.4	339.4	334.6
82.5°	460.7	480.1	514.0	475.2	436.4	387.9	344.3	295.8	247.3	208.5	208.5
85°	164.9	189.1	208.5	227.9	242.5	247.3	213.4	174.6	140.6	111.5	106.7
87.5°	43.6	48.5	53.3	48.5	48.5	48.5	53.3	48.5	43.6	33.9	33.9
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)