

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: P533302

Luminaire Tested: **GLAN-SA8D-727-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-727-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44280 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

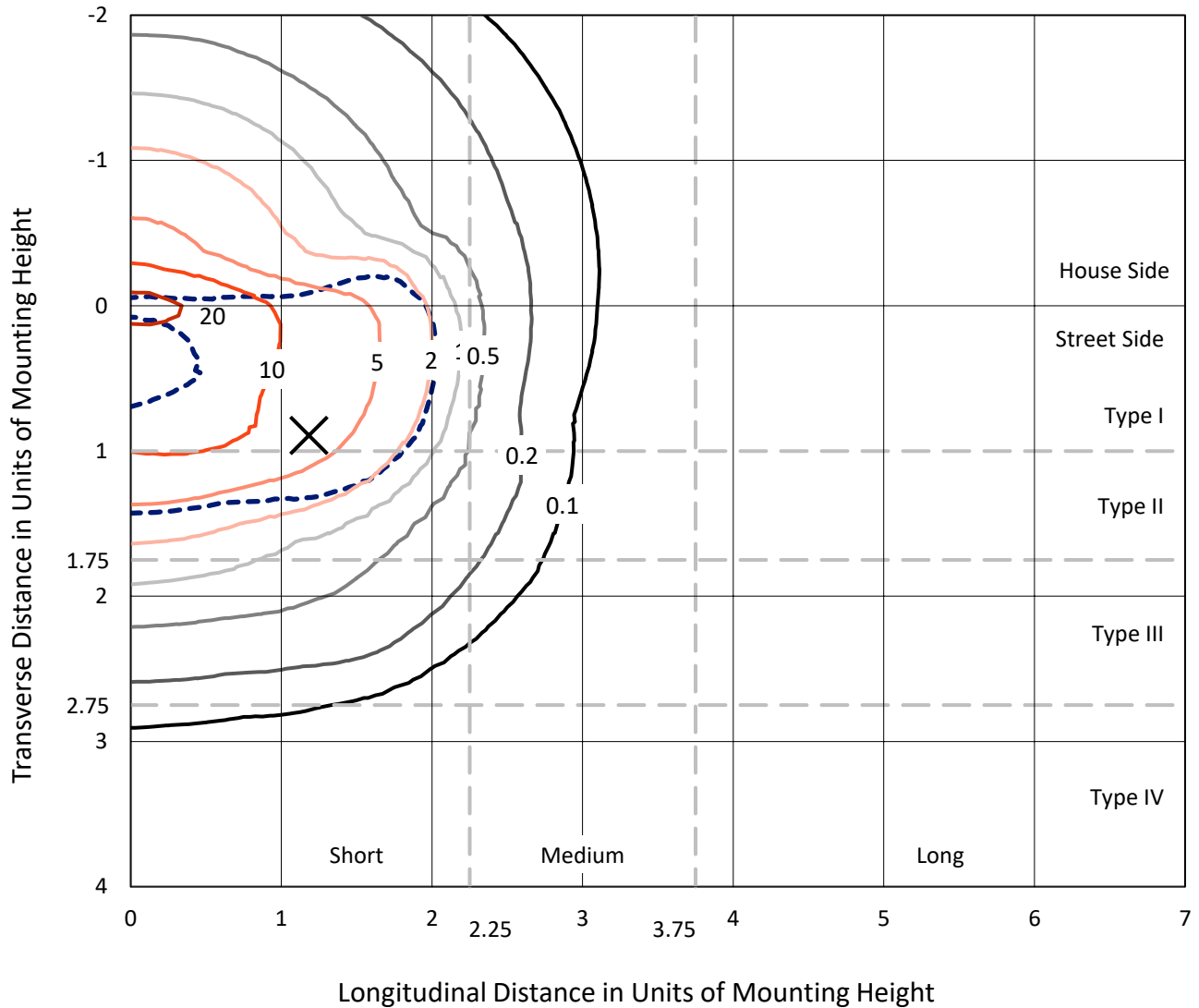
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

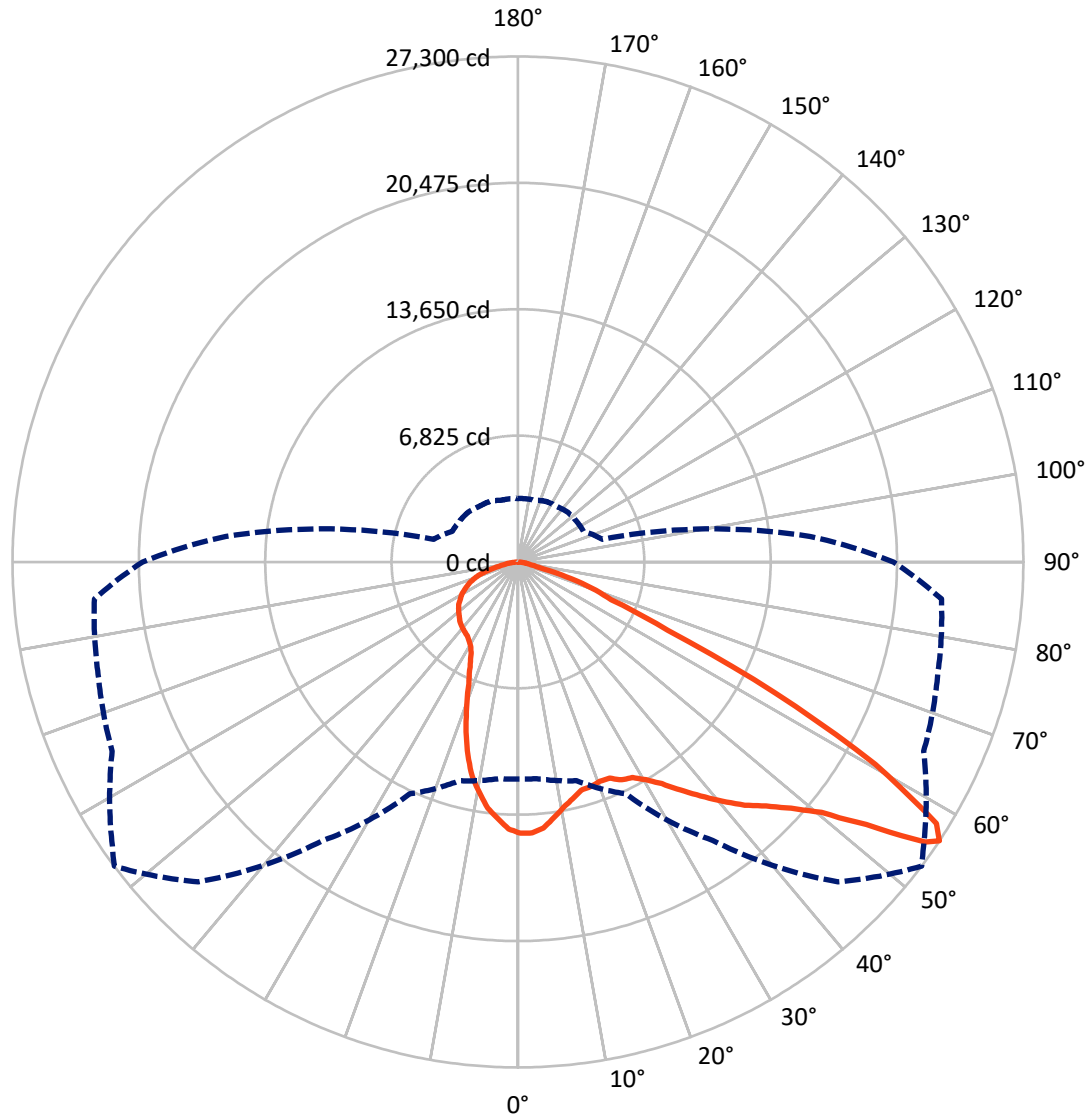
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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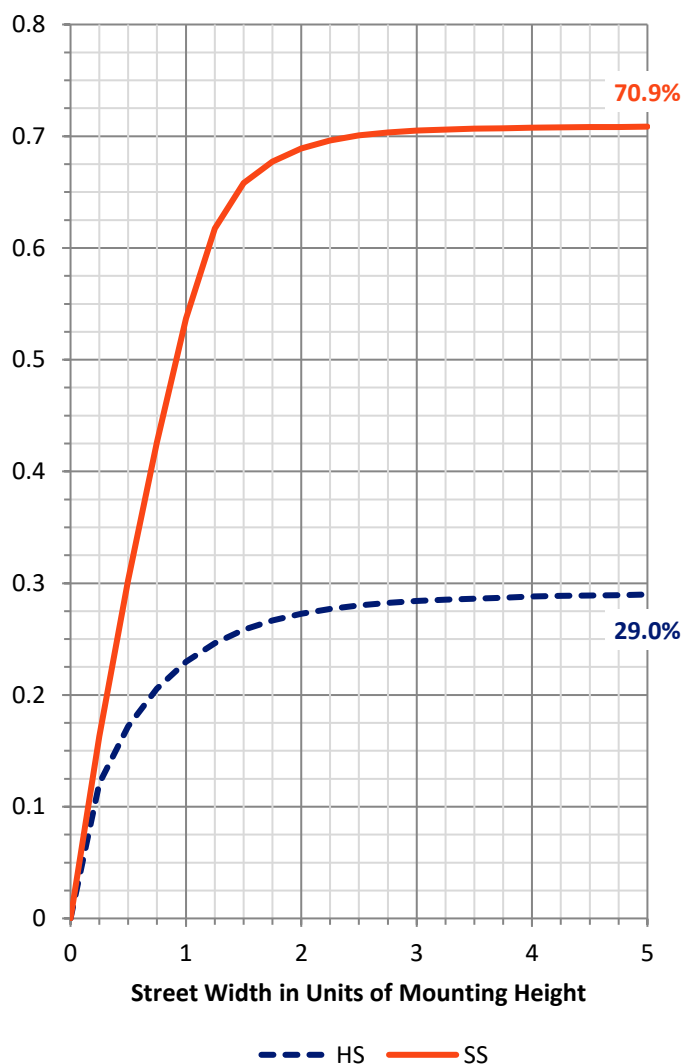
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12921.9	0.0	12921.9
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	31358.1	0.0	31358.1
	% Fixture	70.8	0.0	70.8
Total	Lumens	44280.0	0.0	44280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1296.9	2.9
10°-20°	3239.1	7.3
20°-30°	4776.3	10.8
30°-40°	6824.5	15.4
40°-50°	9393.0	21.2
50°-60°	11100.0	25.1
60°-70°	5915.5	13.4
70°-80°	1500.7	3.4
80°-90°	234.0	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°	44280.0	100.0
0°-180°	44280.0	100.0

Coefficient of Utilization

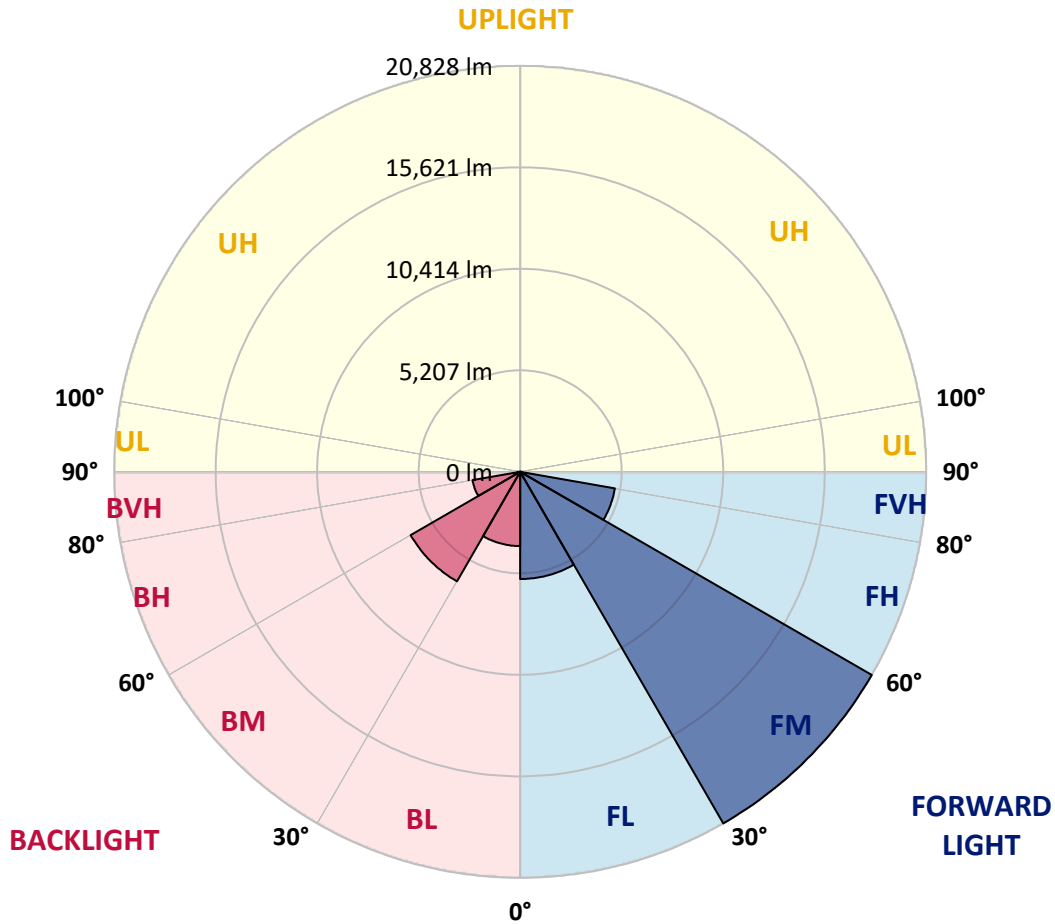


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5501.2	12.4			
FM (30°-60°)	20828.5	47.0			
FH (60°-80°)	4934.5	11.1			G2/5000
FVH (80°-90°)	94.1	0.2			G1/100
BL (0°-30°)	3811.2	8.6	B4/5000		
BM (30°-60°)	6488.9	14.7	B4/8500		
BH (60°-80°)	2481.8	5.6	B3/2500		G3/2500
BVH (80°-90°)	139.9	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°	53°	55°	65°	75°	85°
0°	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6
2.5°	14467.8	14342.8	14416.7	14388.3	14621.2	14689.3	14655.2	14683.7	14814.3	14751.8	14621.2
5°	13519.2	13695.3	13729.4	13814.6	13950.9	14217.9	14428.0	14484.8	14547.3	14837.0	14808.6
7.5°	12655.8	12775.1	12712.6	12962.5	13257.9	13689.6	13945.2	13990.7	14564.4	14723.4	14842.7
10°	12110.5	11991.2	12275.2	12343.4	12678.5	13172.7	13479.4	13666.9	14189.5	14820.0	14893.8
12.5°	11604.9	11565.2	11735.6	11928.7	12303.6	12814.8	13127.2	13201.1	14007.7	14672.3	15018.8
15°	11230.0	11184.6	11355.0	11497.0	11934.4	12388.8	12786.4	12996.6	13808.9	14587.1	14910.9
17.5°	10934.6	10929.0	11025.5	11281.1	11729.9	12110.5	12752.3	12763.7	13706.6	14717.7	15001.7
20°	10917.6	10911.9	10929.0	11213.0	11622.0	12087.7	12644.4	12746.7	13706.6	14626.8	15007.4
22.5°	11059.6	10968.7	11071.0	11252.7	11548.1	12127.5	12684.2	12911.4	14036.1	15075.6	15263.0
25°	11286.8	11309.5	11366.3	11428.8	11599.2	12218.4	13036.4	13223.8	14422.4	15461.9	15615.2
27.5°	11701.5	11690.1	11712.8	11746.9	11894.6	12303.6	13178.4	13661.2	15229.0	16149.2	15995.8
30°	12309.3	12269.5	12360.4	12479.7	12343.4	12576.2	13649.8	14013.4	15978.8	16842.2	16421.8
32.5°	12860.3	13008.0	13178.4	13229.5	13064.8	13110.2	14274.7	14643.9	16603.6	17694.2	16944.4
35°	13547.6	13666.9	13894.1	14053.1	14024.7	13888.4	15126.7	15615.2	17506.8	18319.1	17495.4
37.5°	14217.9	14359.9	14734.8	15206.2	14944.9	14882.5	16035.6	16438.9	17785.1	18654.2	17898.7
40°	15297.1	15291.4	15939.0	16183.3	16416.2	16308.2	16978.5	17114.8	17932.8	18580.4	17910.1
42.5°	16563.8	16484.3	17143.2	17523.8	17824.9	17836.2	17961.2	17915.8	18001.0	18205.5	17790.8
45°	17768.1	17938.5	18603.1	19284.7	19585.8	19619.9	18790.5	18705.3	18120.3	18097.5	17563.6
47.5°	19239.3	19279.0	19824.3	20721.8	21420.5	21181.9	19864.1	19676.7	18642.8	18818.9	17944.2
50°	19324.5	19619.9	20108.4	21164.9	23312.1	23249.6	21255.8	20903.6	19483.5	19841.4	19006.4
52.5°	17540.9	17472.7	18052.1	19778.9	23170.1	25305.9	23562.0	22721.3	21289.9	21017.2	20727.5
55°	13365.8	13524.9	14036.1	15780.0	20119.7	25334.3	26703.2	26015.9	23221.2	22755.4	22420.3
56°	11724.2	11746.9	12229.7	13820.2	18358.8	24431.1	27299.7	26743.0	24181.2	23471.1	22959.9
57.5°	9719.0	9588.4	9838.3	10707.4	15495.9	22522.5	26646.4	27191.7	25305.9	24243.6	23533.6
60°	7651.4	7623.0	7520.8	7679.8	9792.9	16967.1	22181.7	23408.6	25192.3	23516.6	22539.5
62.5°	6248.4	6106.4	6310.8	6538.1	6805.0	10525.7	15586.8	16308.2	20000.4	18773.5	16933.1
65°	4845.3	4777.2	5032.8	5771.2	5930.3	6685.7	8878.4	9435.0	11809.4	11599.2	10213.2
67.5°	3334.4	3345.7	3567.2	4692.0	5498.6	5430.4	5436.1	5725.8	6163.2	4578.3	3987.6
70°	2113.1	2107.4	2226.7	3021.9	4425.0	4470.4	4243.2	4158.0	3942.1	2385.7	2527.7
72.5°	1357.6	1317.8	1380.3	1670.0	2289.2	2647.0	2726.6	2777.7	2283.5	1874.5	2033.6
75°	766.8	727.1	704.4	778.2	903.2	1045.2	1147.4	1181.5	1323.5	1420.1	1505.3
77.5°	232.9	210.2	255.6	340.8	448.7	602.1	732.8	755.5	891.8	1005.4	1090.6
80°	102.2	113.6	159.0	227.2	318.1	426.0	516.9	551.0	641.9	727.1	749.8
82.5°	62.5	68.2	107.9	153.4	221.5	301.1	369.2	380.6	471.5	539.6	556.7
85°	22.7	28.4	56.8	90.9	142.0	193.1	193.1	210.2	193.1	193.1	210.2
87.5°	0.0	0.0	5.7	11.4	11.4	17.0	22.7	22.7	28.4	34.1	39.8
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°	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6	14649.6
2.5°	14689.3	14660.9	14615.5	14450.8	14433.7	14382.6	14098.6	14053.1	14098.6	13962.2	13973.6
5°	14660.9	14746.1	14405.3	14240.6	13933.8	13712.3	13456.7	13326.1	13093.2	12945.5	13110.2
7.5°	14785.9	14751.8	14325.8	13967.9	13507.8	12945.5	12496.7	12241.1	11832.1	11718.5	11803.7
10°	14740.5	14558.7	14058.8	13587.3	12718.3	12224.1	11497.0	10792.6	10406.4	10207.6	10179.2
12.5°	14678.0	14626.8	13791.8	12979.6	12065.0	11025.5	10003.1	9338.5	8707.9	8435.3	8475.1
15°	14751.8	14320.1	13292.0	12263.8	11048.2	9685.0	8583.0	7725.2	7287.9	7111.8	7111.8
17.5°	14717.7	14172.4	13053.4	11462.9	9923.5	8310.3	7100.4	6583.5	6401.7	6401.7	6452.9
20°	14734.8	14269.0	12570.6	10662.0	8594.3	6998.2	6117.7	5930.3	6009.8	6038.2	6066.6
22.5°	14831.3	13950.9	12099.1	9781.5	7361.7	5987.1	5555.4	5561.0	5703.1	5856.4	5828.0
25°	14950.6	13825.9	11525.4	8906.8	6418.8	5492.9	5356.6	5339.5	5447.4	5527.0	5538.3
27.5°	14848.4	13610.1	10940.3	7816.1	5646.2	5163.4	5135.0	5146.4	5180.5	5339.5	5288.4
30°	15183.5	13672.6	10207.6	6901.6	5220.2	5055.5	5021.4	5004.4	5055.5	5100.9	5061.2
32.5°	15598.2	13451.0	9662.2	6021.1	5010.1	4976.0	4907.8	4885.1	4913.5	4868.0	4890.8
35°	15780.0	13411.3	8952.2	5390.6	4845.3	4816.9	4777.2	4771.5	4777.2	4737.4	4703.3
37.5°	15882.2	13598.7	8139.9	5100.9	4743.1	4771.5	4680.6	4669.2	4567.0	4589.7	4606.7
40°	16058.3	13309.0	7481.0	4822.6	4680.6	4623.8	4544.3	4527.2	4459.1	4419.3	4459.1
42.5°	15802.7	13223.8	6833.4	4703.3	4589.7	4527.2	4470.4	4373.9	4351.1	4317.1	4294.3
45°	15598.2	12735.3	6254.0	4555.6	4481.8	4447.7	4339.8	4237.5	4152.3	4186.4	4135.3
47.5°	15751.6	12564.9	5680.3	4430.7	4334.1	4294.3	4186.4	4106.9	4021.7	3981.9	3970.6
50°	16365.0	12883.0	5197.5	4339.8	4209.1	4186.4	4044.4	3953.5	3874.0	3845.6	3856.9
52.5°	17830.6	13752.1	4868.0	4152.3	4089.8	3987.6	3908.1	3794.5	3743.3	3652.5	3709.3
55°	19688.0	15166.5	4782.8	3976.2	3942.1	3851.3	3743.3	3658.1	3561.6	3487.7	3470.7
56°	20284.5	15842.4	4714.7	3908.1	3851.3	3800.1	3658.1	3607.0	3453.6	3436.6	3425.2
57.5°	20767.3	16438.9	4726.0	3777.4	3720.6	3675.2	3590.0	3465.0	3362.8	3300.3	3328.7
60°	19676.7	15388.0	4510.2	3578.6	3567.2	3482.0	3362.8	3306.0	3181.0	3107.1	3090.1
62.5°	14626.8	10446.1	3658.1	3323.0	3317.3	3226.4	3090.1	3027.6	3004.9	2902.6	2902.6
65°	8423.9	6549.4	3163.9	3112.8	3067.4	2976.5	2840.2	2789.0	2732.2	2698.2	2669.8
67.5°	3595.6	3396.8	2874.2	2868.6	2817.4	2703.8	2567.5	2488.0	2414.1	2346.0	2380.1
70°	2607.3	2647.0	2595.9	2567.5	2505.0	2363.0	2243.7	2147.2	2033.6	1988.1	2022.2
72.5°	2067.6	2152.8	2226.7	2232.4	2158.5	1993.8	1863.1	1732.5	1607.5	1545.0	1573.5
75°	1567.8	1624.6	1698.4	1715.5	1607.5	1493.9	1369.0	1232.6	1136.1	1062.2	1073.6
77.5°	1130.4	1119.0	1187.2	1175.8	1124.7	1045.2	931.6	806.6	698.7	630.5	636.2
80°	772.5	789.6	829.3	823.6	761.2	710.0	624.8	522.6	443.1	386.3	374.9
82.5°	539.6	568.0	602.1	573.7	522.6	471.5	409.0	335.1	272.7	227.2	215.9
85°	193.1	221.5	255.6	272.7	289.7	278.3	232.9	187.5	136.3	113.6	107.9
87.5°	39.8	45.4	51.1	51.1	51.1	45.4	39.8	39.8	34.1	17.0	17.0
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)