

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: P649606

Luminaire Tested: **GLAN-SA8D-835-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649606
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-SA8D-835-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 1200mA 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: 29209 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

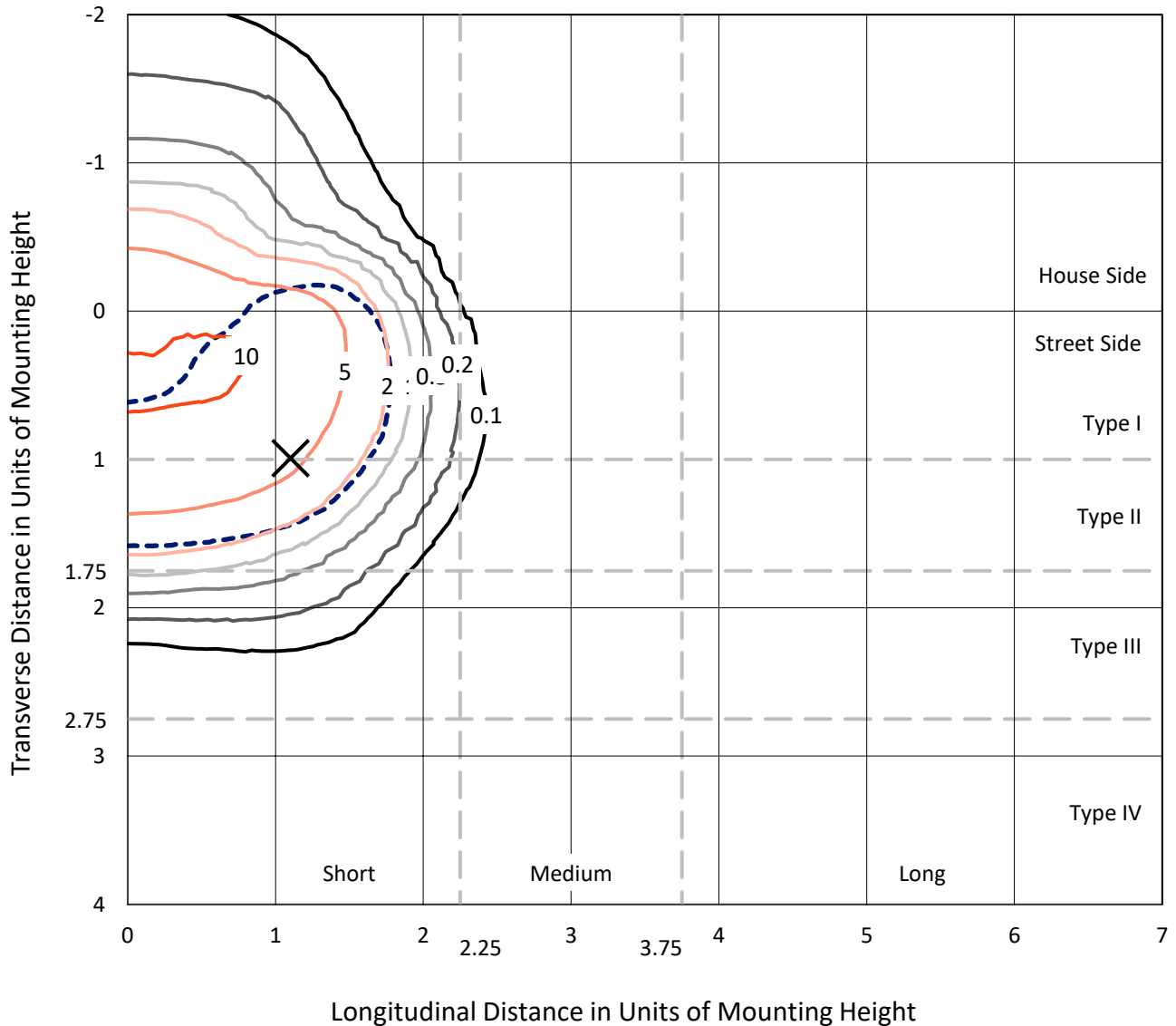
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

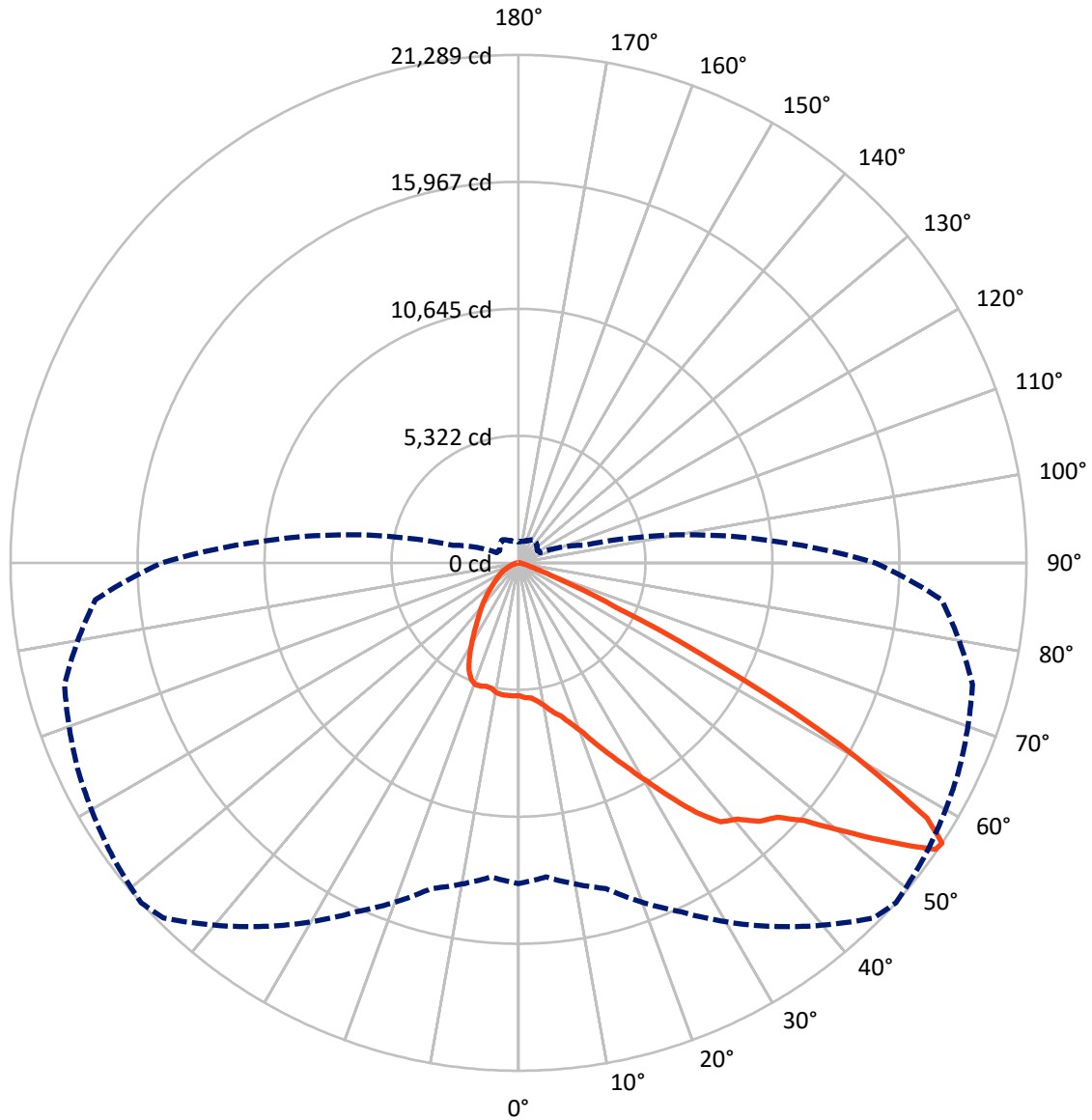
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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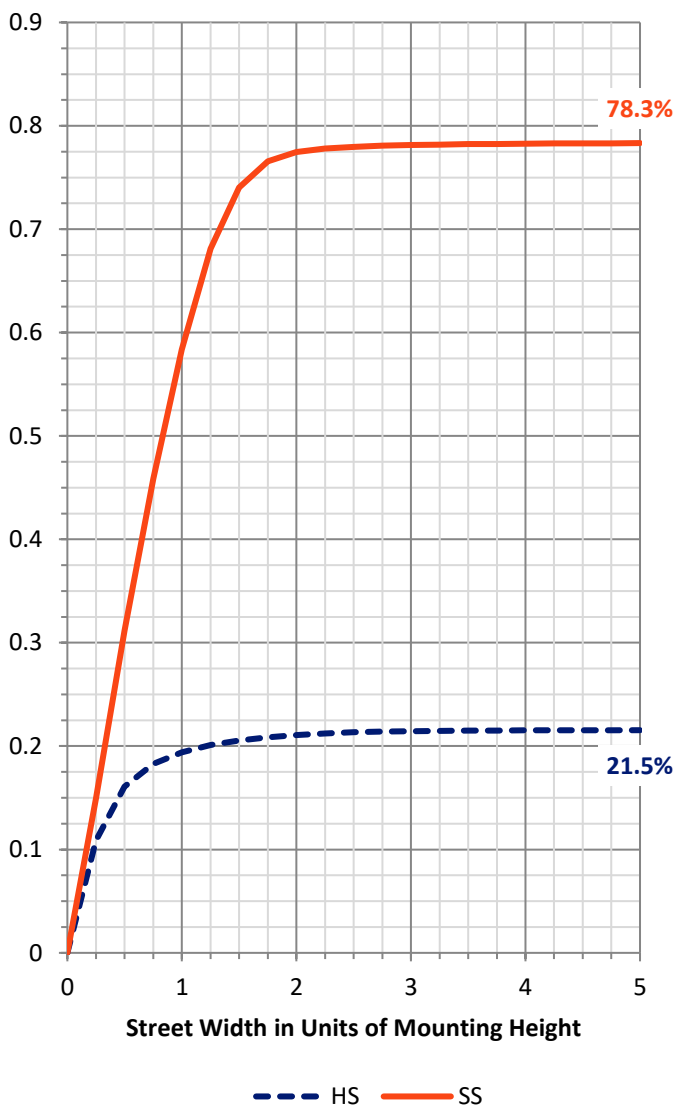
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6352.4	0.0	6352.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	22856.6	0.0	22856.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	29209.0	0.0	29209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.4	1.9
10°-20°	1736.8	5.9
20°-30°	3150.2	10.8
30°-40°	4948.3	16.9
40°-50°	7218.6	24.7
50°-60°	8697.0	29.8
60°-70°	2546.4	8.7
70°-80°	323.0	1.1
80°-90°	45.3	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°	29209.0	100.0
0°-180°	29209.0	100.0

Coefficient of Utilization

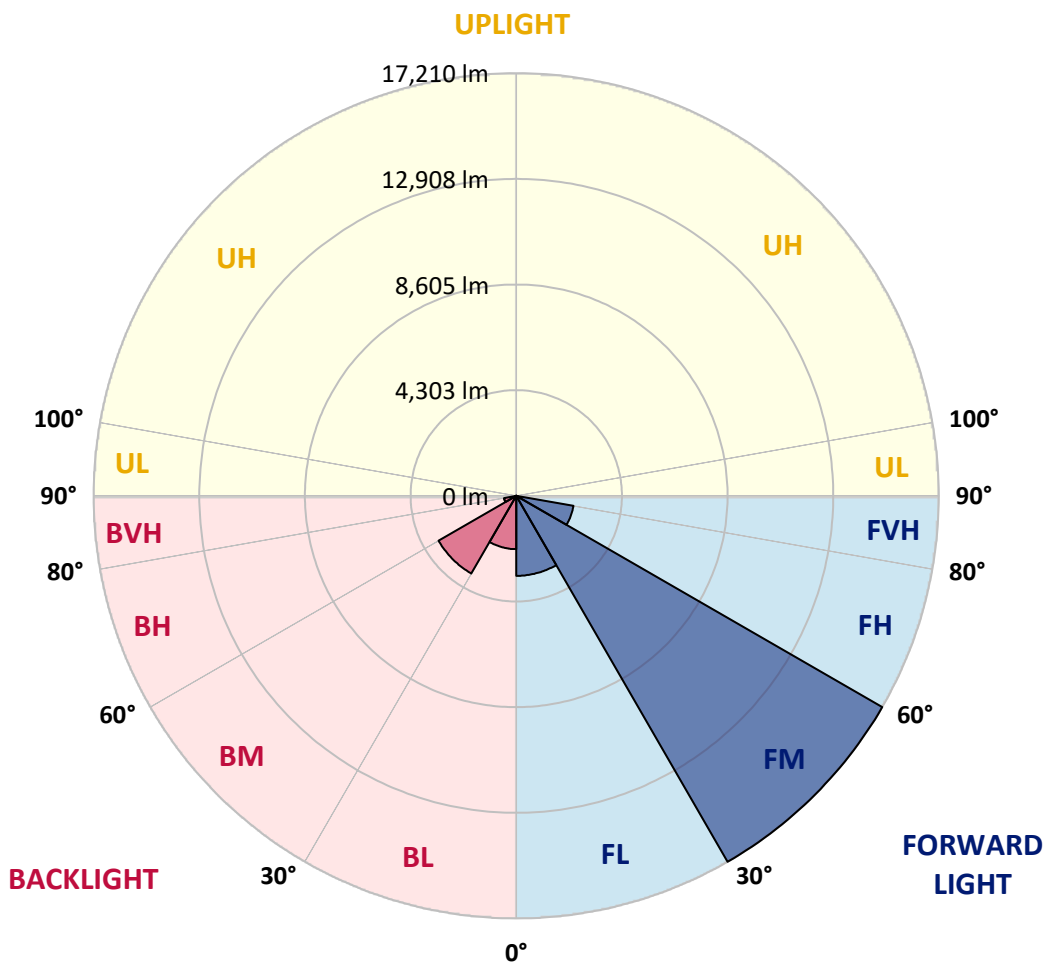


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3259.1	11.2			
FM (30°-60°)	17210.0	58.9			
FH (60°-80°)	2364.7	8.1			G2/5000
FVH (80°-90°)	22.7	0.1			G1/100
BL (0°-30°)	2171.2	7.4	B3/2500		
BM (30°-60°)	3653.9	12.5	B3/5000		
BH (60°-80°)	504.8	1.7	B2/1000		G2/1000
BVH (80°-90°)	22.6	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0
2.5°	5680.0	5653.4	5653.4	5610.8	5658.7	5637.4	5653.4	5600.2	5653.4	5573.6	5637.4
5°	5706.6	5711.9	5690.6	5717.2	5717.2	5749.1	5695.9	5743.8	5770.4	5711.9	5685.3
7.5°	5844.9	5855.5	5850.2	5828.9	5871.5	5866.2	5860.8	5823.6	5834.2	5812.9	5781.0
10°	6116.1	6110.8	6137.4	6084.1	6052.3	6089.5	6100.1	6041.6	5999.1	5983.1	5882.1
12.5°	6509.6	6445.8	6408.6	6355.5	6371.3	6318.2	6413.9	6312.9	6291.6	6195.9	6094.8
15°	6828.8	6818.1	6823.5	6738.3	6642.6	6663.9	6663.9	6610.7	6578.8	6461.8	6318.2
17.5°	7482.9	7259.5	7307.4	7201.0	7121.2	7115.9	7068.1	7078.7	6993.6	6749.0	6530.9
20°	7993.5	7897.7	7823.3	7642.5	7520.2	7557.4	7536.1	7482.9	7456.3	7137.2	6828.8
22.5°	8450.8	8482.8	8360.4	8312.6	8142.3	8158.3	8200.9	8153.0	7950.9	7621.2	7163.8
25°	9094.4	9057.1	8892.3	8833.7	8674.2	8732.7	8897.6	8860.3	8732.7	8137.1	7424.4
27.5°	9854.9	9727.2	9759.2	9493.2	9339.0	9503.9	9700.7	9886.8	9525.1	8743.4	7732.8
30°	10392.1	10259.1	10248.5	10237.8	10200.6	10392.1	10620.7	10790.9	10498.4	9349.6	8243.4
32.5°	10658.0	10689.8	10780.3	10748.4	11072.8	11466.3	11705.7	11950.3	11583.3	10338.9	8918.8
35°	11365.3	11163.2	11365.3	11386.5	11721.6	12556.6	12859.8	13444.7	13354.4	11737.6	9743.2
37.5°	11780.2	11764.2	11790.7	11992.8	12317.3	13349.1	13779.8	14231.9	14061.7	12577.9	10769.6
40°	12466.2	12508.7	12503.4	12657.7	13014.0	13944.7	14120.2	14487.1	14503.1	13742.6	12280.0
42.5°	13567.1	13396.9	13285.2	13444.7	13944.7	14460.6	14811.5	14737.2	15263.6	15157.2	14221.2
45°	14556.3	14657.4	14492.5	14758.4	14939.2	15215.8	15205.2	15364.7	16034.8	16540.0	15683.8
47.5°	15481.7	15545.5	15625.3	15806.1	16199.6	16242.2	16151.8	16082.7	17008.0	17529.3	16816.6
50°	16034.8	16093.3	16465.6	16790.0	17523.9	17619.7	17672.9	17497.3	18124.9	18183.4	17885.6
52.5°	15885.9	15949.7	16470.9	17539.9	18709.9	19587.4	19427.9	19130.1	19092.8	19321.5	18874.8
55°	14566.9	14508.4	15226.4	16891.0	19082.2	21188.3	21209.5	20895.8	20294.8	20140.6	18725.8
56°	13444.7	13216.1	14130.8	16141.2	18603.5	21050.0	21289.3	20954.3	20390.5	19699.1	17805.8
57.5°	11014.3	11232.4	12141.7	13806.4	16949.5	20055.4	20193.7	20113.9	19688.5	18529.1	15667.8
60°	6073.6	6456.5	7259.5	9296.5	12067.3	15391.3	15502.9	16151.8	16231.6	14189.3	10780.3
62.5°	2579.4	2536.8	3371.8	4871.6	6871.3	9291.2	9498.6	10163.3	10285.6	8179.6	5408.7
65°	1047.7	1106.2	1526.4	2451.7	3632.4	4233.4	4525.9	4744.0	5148.1	3377.2	1994.4
67.5°	691.4	686.1	898.8	1398.8	1957.2	1888.0	1888.0	1994.4	1845.5	1377.5	861.5
70°	494.6	510.6	643.5	967.9	1217.9	904.1	866.9	829.7	941.3	909.5	696.7
72.5°	324.4	345.7	430.8	579.7	632.9	494.6	494.6	595.6	776.5	733.9	569.1
75°	212.7	218.1	265.9	335.0	313.7	255.3	281.9	398.9	563.8	542.5	404.2
77.5°	143.6	148.9	180.8	218.1	175.5	143.6	154.3	202.1	276.6	276.6	212.7
80°	53.2	58.5	74.5	69.1	79.8	101.1	111.7	138.3	164.9	164.9	143.6
82.5°	0.0	5.3	16.0	37.2	58.5	79.8	90.4	106.3	122.3	138.3	133.0
85°	0.0	5.3	16.0	26.6	42.5	47.8	53.2	37.2	31.9	31.9	26.6
87.5°	0.0	0.0	5.3	5.3	5.3	5.3	5.3	5.3	10.6	5.3	5.3
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°	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0	5579.0
2.5°	5579.0	5573.6	5573.6	5557.7	5589.6	5573.6	5584.3	5579.0	5509.8	5563.0	5525.8
5°	5637.4	5674.6	5616.1	5605.5	5563.0	5579.0	5579.0	5525.8	5573.6	5568.3	5557.7
7.5°	5786.4	5722.6	5658.7	5594.9	5584.3	5568.3	5509.8	5488.5	5525.8	5483.2	5547.0
10°	5850.2	5860.8	5765.1	5680.0	5600.2	5488.5	5408.7	5360.9	5302.4	5366.2	5403.4
12.5°	6142.7	6036.3	5871.5	5738.5	5467.2	5355.6	5275.8	5254.6	5355.6	5376.9	5339.6
15°	6243.7	6227.7	6015.0	5717.2	5435.4	5302.4	5318.4	5275.8	5286.4	5233.3	5243.9
17.5°	6451.1	6270.3	6020.3	5648.1	5430.0	5398.1	5302.4	5132.2	5036.5	4993.9	5031.2
20°	6679.9	6504.3	6142.7	5674.6	5477.9	5392.8	5079.0	4871.6	4674.8	4568.5	4573.7
22.5°	6881.9	6663.9	6089.5	5685.3	5520.5	5169.4	4791.8	4382.3	4137.7	3972.8	3978.1
25°	7126.6	6818.1	6110.8	5706.6	5408.7	4813.1	4270.6	3871.8	3579.2	3467.6	3504.8
27.5°	7264.8	6913.8	6227.7	5754.4	5116.3	4307.8	3722.9	3350.5	3180.4	3127.1	3121.9
30°	7679.7	7126.6	6371.3	5658.7	4627.0	3765.4	3222.9	2994.2	2829.4	2781.5	2792.1
32.5°	8296.6	7514.8	6557.5	5408.7	4127.0	3281.4	2898.5	2728.3	2574.1	2483.7	2473.0
35°	8812.5	8179.6	6754.3	5020.5	3547.3	2909.2	2669.8	2457.1	2223.1	2122.0	2095.5
37.5°	9796.3	8929.5	6711.7	4435.5	2994.2	2632.6	2425.2	2164.5	1962.4	1824.2	1808.3
40°	11104.7	9807.0	6504.3	3722.9	2584.7	2387.9	2164.5	1914.6	1664.7	1547.6	1537.0
42.5°	12694.9	10881.4	6126.7	2999.5	2175.2	2143.3	1941.2	1654.0	1430.6	1345.5	1350.8
45°	13987.2	11801.4	5743.8	2409.2	1872.1	1903.9	1728.5	1457.2	1303.0	1233.9	1233.9
47.5°	15136.0	12423.6	5328.9	1989.1	1590.2	1664.7	1510.4	1350.8	1217.9	1164.7	1154.1
50°	16242.2	13056.5	4914.1	1611.5	1356.2	1430.6	1414.6	1287.0	1180.7	1116.9	1122.2
52.5°	16933.6	13157.5	4387.6	1319.0	1186.0	1271.1	1324.3	1207.2	1090.2	1053.1	1042.4
55°	16088.0	11854.5	3403.7	1084.9	1005.1	1116.9	1217.9	1084.9	994.6	930.7	925.4
56°	14949.8	10599.5	2845.3	999.8	952.0	1074.3	1180.7	1037.1	936.0	898.8	872.2
57.5°	12657.7	8674.2	2100.7	888.2	882.8	999.8	1122.2	989.2	872.2	840.3	840.3
60°	7892.4	4882.2	1271.1	744.6	765.9	888.2	1010.5	882.8	776.5	776.5	792.4
62.5°	3595.2	2031.6	771.2	632.9	659.4	765.9	898.8	797.7	739.2	797.7	808.4
65°	1223.2	877.5	558.4	505.3	521.2	632.9	771.2	808.4	803.0	840.3	861.5
67.5°	686.1	563.8	468.0	420.2	409.5	468.0	632.9	808.4	776.5	760.5	771.2
70°	579.7	478.6	414.8	372.3	356.3	377.6	489.3	611.6	547.8	531.8	521.2
72.5°	468.0	398.9	361.7	335.0	287.2	244.6	223.4	234.0	260.6	276.6	303.2
75°	329.7	303.2	303.2	271.2	207.4	154.3	122.3	101.1	69.1	47.8	53.2
77.5°	186.1	186.1	191.4	164.9	133.0	101.1	74.5	53.2	26.6	10.6	5.3
80°	127.6	138.3	148.9	133.0	111.7	90.4	63.8	37.2	16.0	0.0	0.0
82.5°	127.6	143.6	154.3	133.0	111.7	85.1	63.8	37.2	16.0	5.3	0.0
85°	26.6	31.9	37.2	42.5	63.8	63.8	47.8	31.9	16.0	5.3	0.0
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	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)