

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: P533133

Luminaire Tested: **GLAN-SA8C-735-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-735-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32163 lumens
Efficiency: N/A
Efficacy: 75.0 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

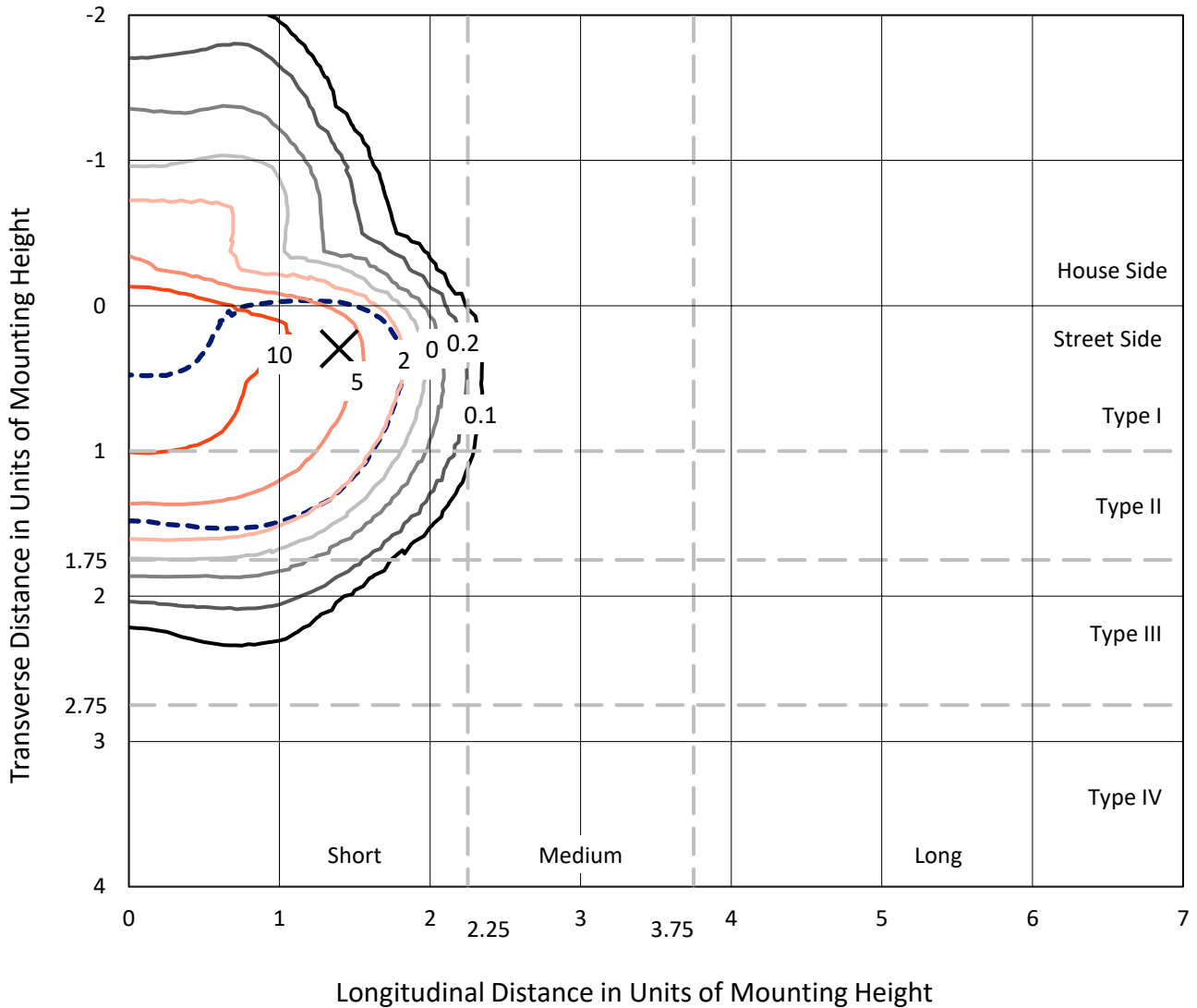
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

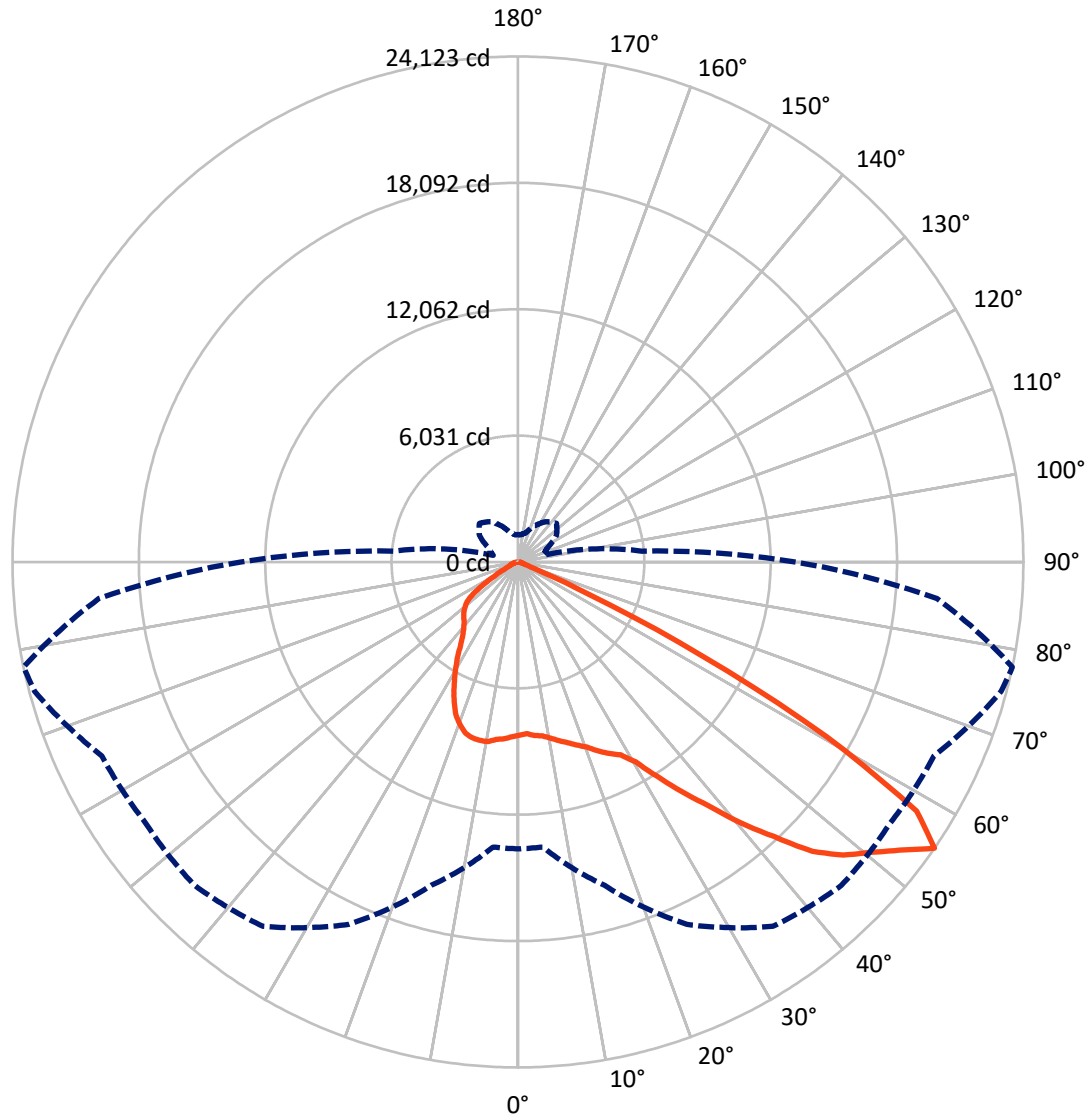
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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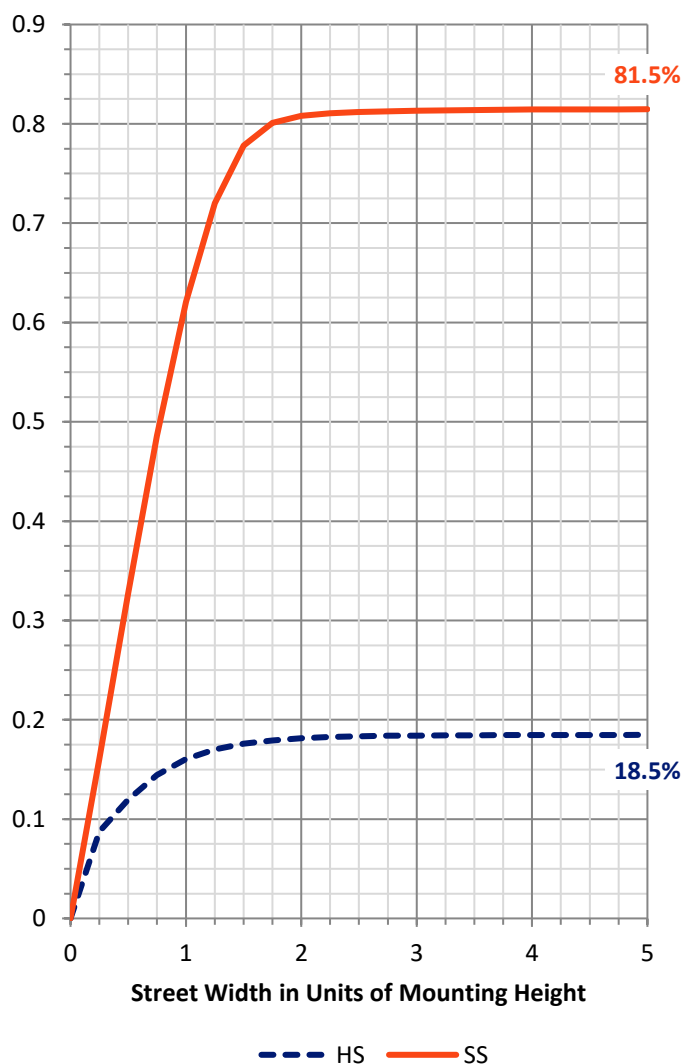
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5973.9	0.0	5973.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	26189.1	0.0	26189.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	32163.0	0.0	32163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.3	2.3
10°-20°	1951.4	6.1
20°-30°	3420.4	10.6
30°-40°	5639.9	17.5
40°-50°	8206.7	25.5
50°-60°	9299.1	28.9
60°-70°	2658.8	8.3
70°-80°	206.5	0.6
80°-90°	43.0	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°	32163.0	100.0
0°-180°	32163.0	100.0

Coefficient of Utilization



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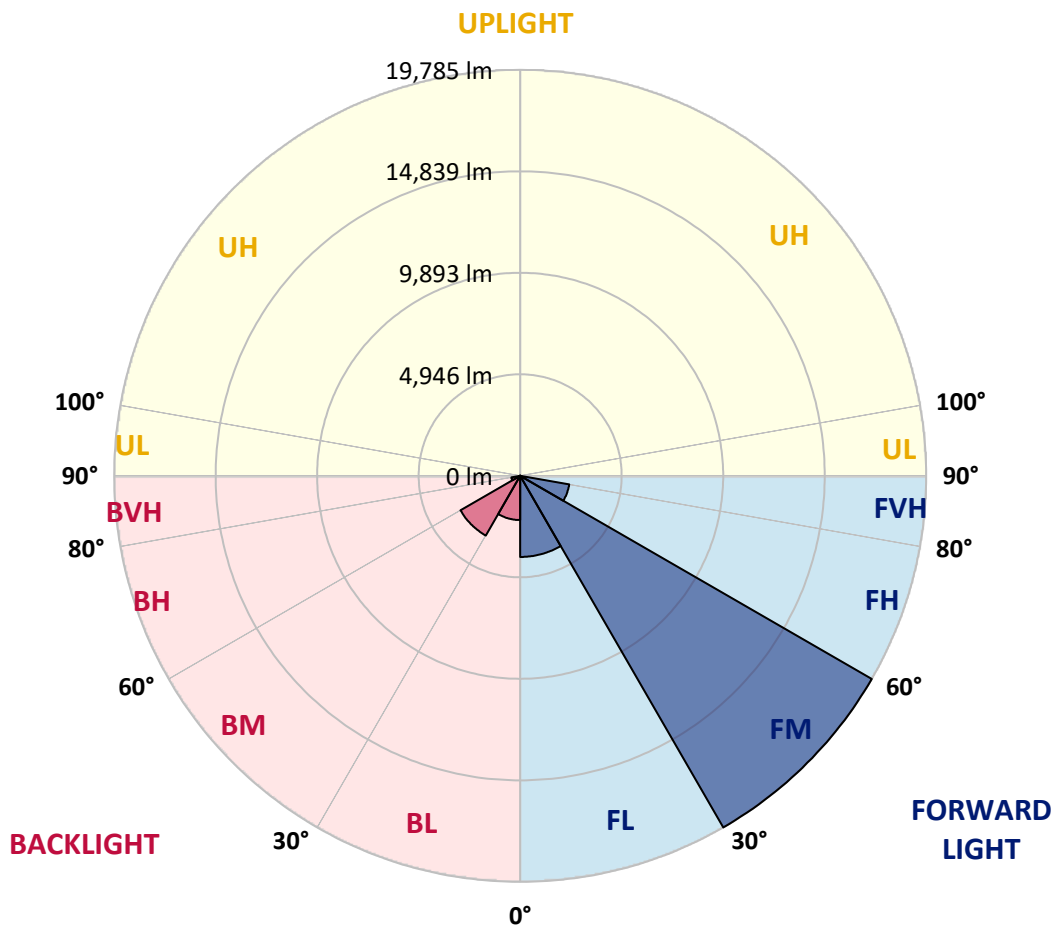
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3953.8	12.3			
FM (30°-60°)	19785.3	61.5			
FH (60°-80°)	2429.2	7.6			G2/5000
FVH (80°-90°)	20.9	0.1			G1/100
BL (0°-30°)	2155.4	6.7	B3/2500		
BM (30°-60°)	3360.4	10.4	B3/5000		
BH (60°-80°)	436.1	1.4	B1/500		G1/500
BVH (80°-90°)	22.0	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1
2.5°	7774.6	7849.3	7860.8	7952.9	7947.1	8102.4	8148.4	8154.1	8257.6	8205.9	8338.1
5°	7556.1	7515.8	7498.6	7659.6	7705.6	7843.6	7958.6	8027.6	8240.4	8315.1	8453.1
7.5°	7360.6	7360.6	7372.1	7515.8	7498.6	7676.8	7797.6	8010.4	8320.9	8384.1	8550.9
10°	7170.8	7101.8	7188.0	7337.6	7464.1	7544.6	7797.6	7998.9	8361.1	8545.1	8775.2
12.5°	7073.0	7107.5	7119.0	7228.3	7366.3	7607.8	7745.8	8079.4	8648.7	8757.9	9005.2
15°	7688.3	7619.3	7452.6	7354.8	7469.8	7584.8	7929.9	8269.1	8798.2	8953.4	9229.4
17.5°	8401.4	8343.9	8205.9	7941.4	7682.6	7895.3	8165.6	8476.1	8959.2	9189.2	9597.5
20°	9333.0	9240.9	9102.9	8585.4	8361.1	8131.1	8418.6	8786.7	9223.7	9430.7	9850.5
22.5°	10442.8	10442.8	10132.3	9505.5	9039.7	8821.2	8941.9	9154.7	9517.0	9798.7	10212.8
25°	11598.6	11564.1	11282.4	10632.6	9844.7	9586.0	9724.0	9873.5	9971.3	10126.5	10402.5
27.5°	12921.2	12720.0	12363.4	11644.6	10948.8	10448.5	10598.1	10465.8	10345.0	10425.5	10822.3
30°	13818.3	13944.8	13490.5	12800.5	12144.9	11587.1	11615.9	11500.9	10948.8	11063.8	11299.6
32.5°	14749.9	14830.4	14577.4	14197.8	13542.3	12892.5	12656.7	12559.0	12144.9	12196.7	11966.7
35°	15526.2	15681.4	15457.2	15290.4	15100.6	14577.4	13927.6	14243.8	13576.8	13450.3	12852.2
37.5°	16239.2	16193.2	16457.7	16285.2	16245.0	15877.0	15163.9	15227.2	14778.6	14749.9	14059.8
40°	16877.5	16889.0	17251.3	17331.8	17170.8	16515.3	15480.2	15980.5	16342.7	16377.2	15491.7
42.5°	17406.6	17561.8	17872.4	18522.2	18280.6	17188.1	15807.9	16354.2	17699.8	17912.6	16848.8
45°	17866.6	18182.9	18568.2	19149.0	19010.9	18142.6	16624.5	17124.8	19149.0	19706.7	18125.4
47.5°	17895.4	18309.4	18729.2	19591.7	19764.2	18654.4	17469.8	18343.9	20299.0	20902.8	19056.9
50°	17780.3	17998.9	18838.4	19775.7	20166.8	19488.2	18654.4	19367.5	21414.6	21794.2	19528.5
52.5°	16417.5	16584.3	18269.1	19948.3	20891.3	20431.3	20224.3	20793.6	22553.2	22835.0	19971.3
55°	13686.0	13657.3	15974.7	19079.9	21224.9	21828.7	21702.1	21903.4	23870.1	24123.1	20080.5
57.5°	9361.7	9885.0	11886.2	15888.5	19183.5	21500.9	21633.1	21299.6	22334.7	22432.4	17504.3
60°	5048.9	5267.4	6877.5	10603.8	14606.1	17521.6	17866.6	17262.8	17182.3	16906.3	12495.7
62.5°	2006.9	2116.2	3030.5	5250.1	7958.6	10649.8	11391.6	11144.3	10615.3	9890.7	6469.2
65°	954.6	1023.6	1506.6	2455.4	3530.8	4439.3	5181.1	5411.2	3990.8	3594.0	2133.4
67.5°	649.8	701.6	1098.3	1403.1	1259.3	1316.8	1713.6	1592.9	937.3	799.3	592.3
70°	494.5	529.0	879.8	954.6	563.5	396.8	442.8	414.0	385.3	391.0	385.3
72.5°	350.8	379.5	644.0	563.5	247.3	184.0	235.8	281.8	281.8	281.8	276.0
75°	212.8	241.5	373.8	218.5	97.8	97.8	149.5	189.8	201.3	207.0	195.5
77.5°	109.3	138.0	126.5	63.3	63.3	74.8	109.3	132.3	143.8	143.8	138.0
80°	23.0	23.0	23.0	34.5	63.3	80.5	109.3	120.8	138.0	138.0	126.5
82.5°	0.0	5.8	17.3	34.5	57.5	74.8	103.5	120.8	138.0	143.8	132.3
85°	0.0	5.8	11.5	23.0	40.3	46.0	40.3	34.5	34.5	34.5	34.5
87.5°	0.0	0.0	5.8	5.8	5.8	11.5	11.5	11.5	11.5	11.5	11.5
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°	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1	8269.1
2.5°	8349.6	8366.9	8338.1	8332.4	8309.4	8378.4	8211.6	8171.4	8274.9	8177.1	8200.1
5°	8458.9	8499.1	8447.4	8361.1	8234.6	8039.1	7872.3	7653.8	7550.3	7475.6	7464.1
7.5°	8539.4	8568.1	8516.4	8240.4	7860.8	7366.3	6998.3	6728.0	6515.2	6452.0	6348.5
10°	8867.2	8872.9	8614.2	8004.6	7262.8	6613.0	6049.5	5635.4	5422.7	5290.4	5232.9
12.5°	9085.7	9074.2	8550.9	7538.8	6549.7	5687.2	5043.1	4542.8	4347.3	4284.1	4243.8
15°	9361.7	9298.5	8401.4	7061.5	5629.7	4698.1	4117.3	3772.3	3755.0	3714.8	3755.0
17.5°	9580.2	9402.0	8182.9	6193.2	4749.9	3870.0	3490.5	3513.5	3559.5	3599.8	3605.5
20°	9936.8	9568.7	7682.6	5434.2	3933.3	3318.0	3312.3	3415.8	3530.8	3576.8	3622.8
22.5°	10207.0	9637.7	7147.8	4623.4	3266.2	3093.7	3191.5	3346.8	3433.0	3479.0	3548.0
25°	10304.8	9448.0	6434.7	3812.5	2944.2	2990.2	3139.7	3243.2	3352.5	3404.3	3375.5
27.5°	10402.5	9350.2	5583.7	3139.7	2771.7	2921.2	3047.7	3151.2	3185.7	3254.7	3300.7
30°	10638.3	9010.9	4818.9	2714.2	2685.5	2875.2	2967.2	3001.7	3093.7	3134.0	3134.0
32.5°	10828.1	8878.7	4008.1	2512.9	2674.0	2898.2	2909.7	2909.7	2921.2	2892.5	2881.0
35°	11219.1	8424.4	3283.5	2392.2	2668.2	2904.0	2932.7	2835.0	2570.4	2466.9	2438.2
37.5°	11702.1	8131.1	2748.7	2363.4	2708.5	2973.0	3019.0	2651.0	2305.9	2139.2	2110.4
40°	12288.7	7924.1	2397.9	2351.9	2800.5	3134.0	2996.0	2507.2	2058.7	1817.1	1805.6
42.5°	12973.0	7734.3	2162.2	2346.2	2915.5	3300.7	2973.0	2386.4	1805.6	1644.6	1667.6
45°	13519.3	7630.8	2001.2	2305.9	2955.7	3398.5	2990.2	2173.7	1702.1	1598.6	1610.1
47.5°	13944.8	7412.3	1868.9	2236.9	2950.0	3433.0	2835.0	2087.4	1650.4	1679.1	1707.9
50°	13956.3	7119.0	1702.1	2087.4	2863.7	3369.8	2656.7	2006.9	1638.9	1759.6	1817.1
52.5°	13801.0	6705.0	1523.9	1874.6	2662.5	3151.2	2495.7	1972.4	1587.1	1575.6	1644.6
55°	13249.0	5928.7	1224.8	1518.1	2248.4	2599.2	2351.9	1909.1	1431.9	1299.6	1311.1
57.5°	10707.3	4249.6	902.8	1086.8	1592.9	1903.4	2121.9	1880.4	1288.1	1104.1	1109.8
60°	6630.3	2409.4	661.3	741.8	983.3	1155.8	1719.4	1748.1	1150.1	931.6	920.1
62.5°	3404.3	1190.3	511.8	523.3	603.8	678.6	1178.8	1466.4	1040.8	885.6	885.6
65°	1138.6	586.5	448.5	402.5	402.5	419.8	713.1	1017.8	879.8	741.8	741.8
67.5°	488.8	437.0	391.0	350.8	322.0	304.8	402.5	592.3	655.5	563.5	540.5
70°	379.5	368.0	339.3	293.3	253.0	230.0	235.8	304.8	373.8	362.3	350.8
72.5°	281.8	281.8	270.3	230.0	195.5	166.8	155.3	161.0	178.3	184.0	189.8
75°	195.5	201.3	201.3	178.3	143.8	120.8	103.5	86.3	69.0	57.5	51.8
77.5°	132.3	138.0	149.5	132.3	109.3	80.5	63.3	46.0	28.8	11.5	11.5
80°	115.0	132.3	143.8	132.3	115.0	86.3	63.3	34.5	17.3	0.0	0.0
82.5°	120.8	132.3	149.5	126.5	109.3	80.5	63.3	40.3	17.3	5.8	0.0
85°	28.8	28.8	34.5	40.3	51.8	57.5	46.0	28.8	17.3	5.8	0.0
87.5°	11.5	11.5	11.5	11.5	11.5	5.8	5.8	5.8	5.8	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)