

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: P529622

Luminaire Tested: **GLAN-SA4D-735-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529622
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-SA4D-735-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1200mA 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: 24305 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

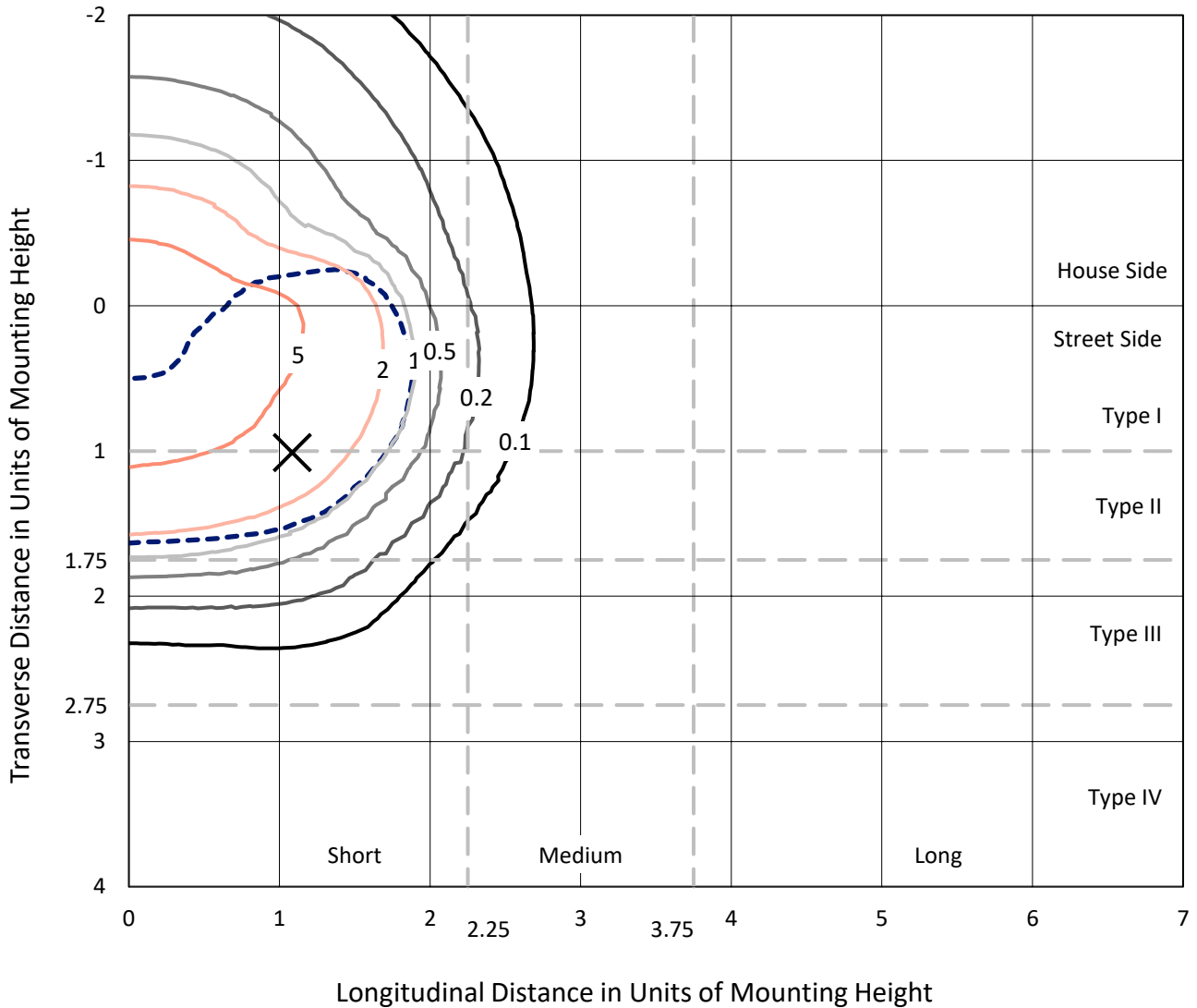
Input Watts (W): 245
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

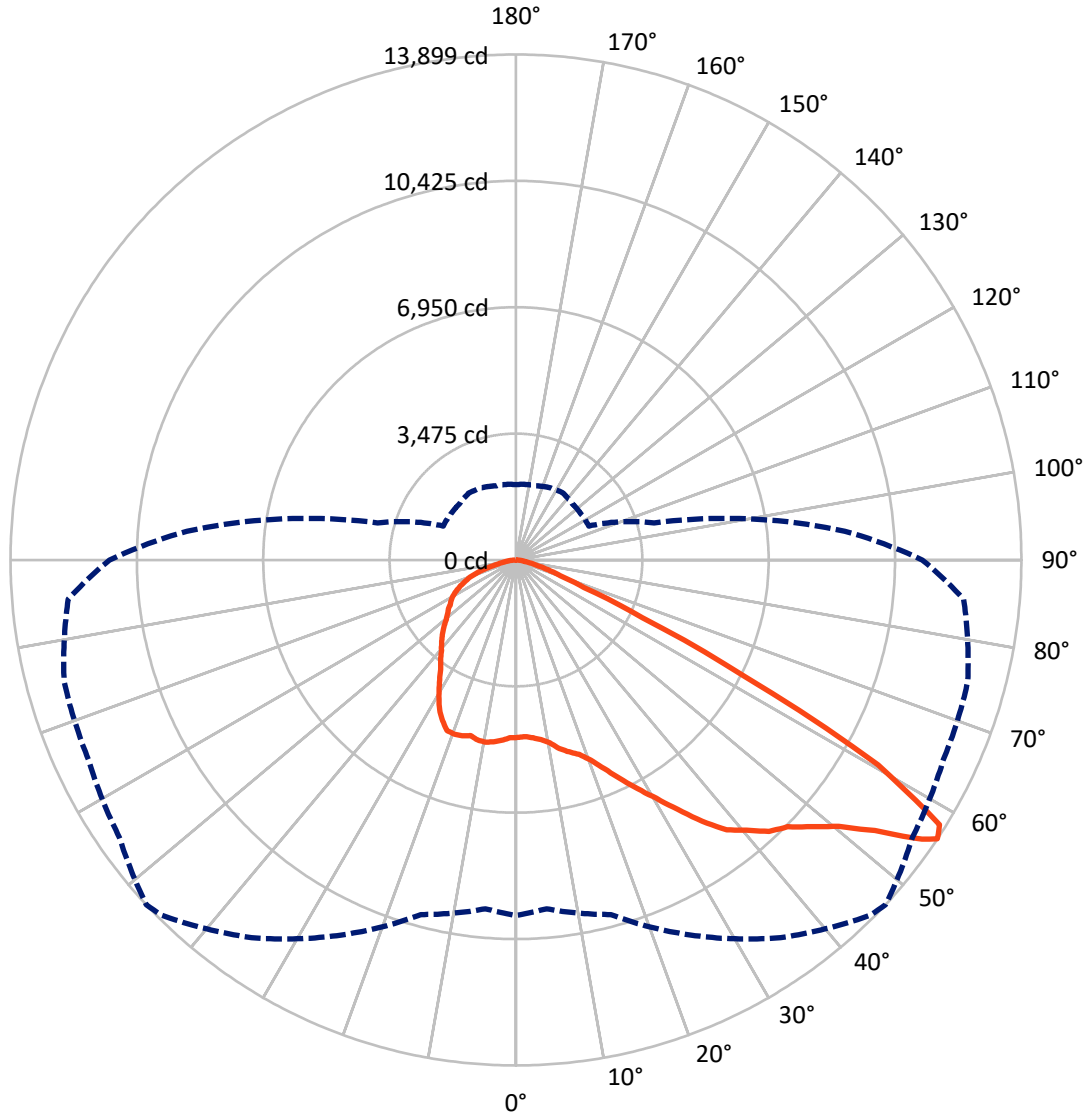
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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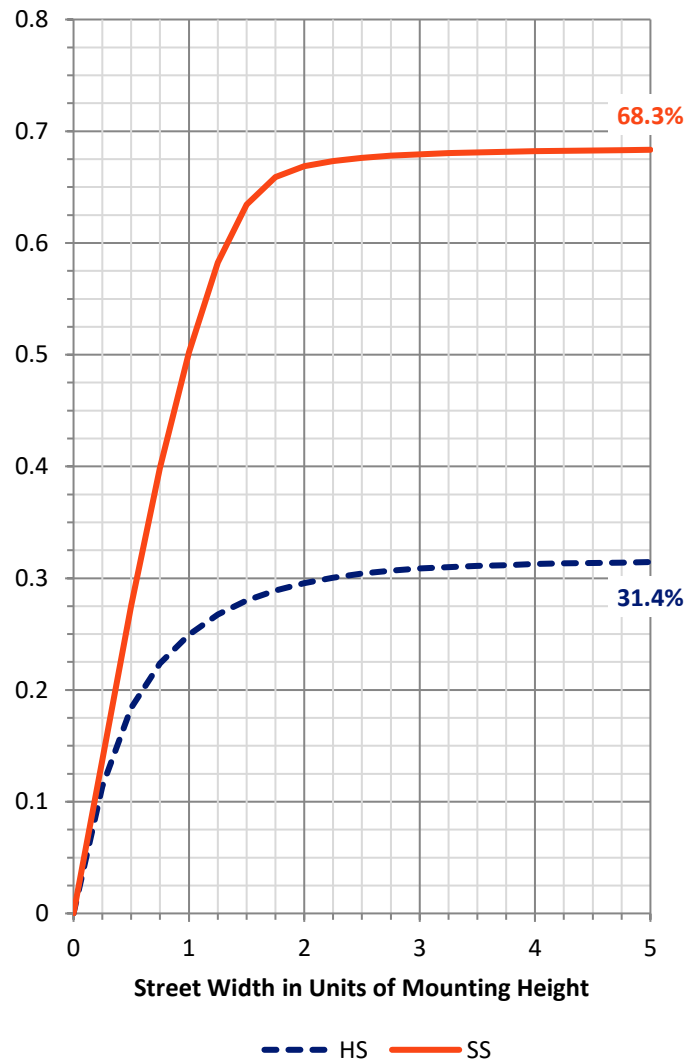
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7702.0	0.0	7702.0
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	16603.0	0.0	16603.0
	% Fixture	68.3	0.0	68.3
Total	Lumens	24305.0	0.0	24305.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.7	2.0
10°-20°	1500.6	6.2
20°-30°	2652.7	10.9
30°-40°	3984.2	16.4
40°-50°	5468.0	22.5
50°-60°	6514.4	26.8
60°-70°	2787.8	11.5
70°-80°	788.9	3.2
80°-90°	132.8	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°	24305.0	100.0
0°-180°	24305.0	100.0



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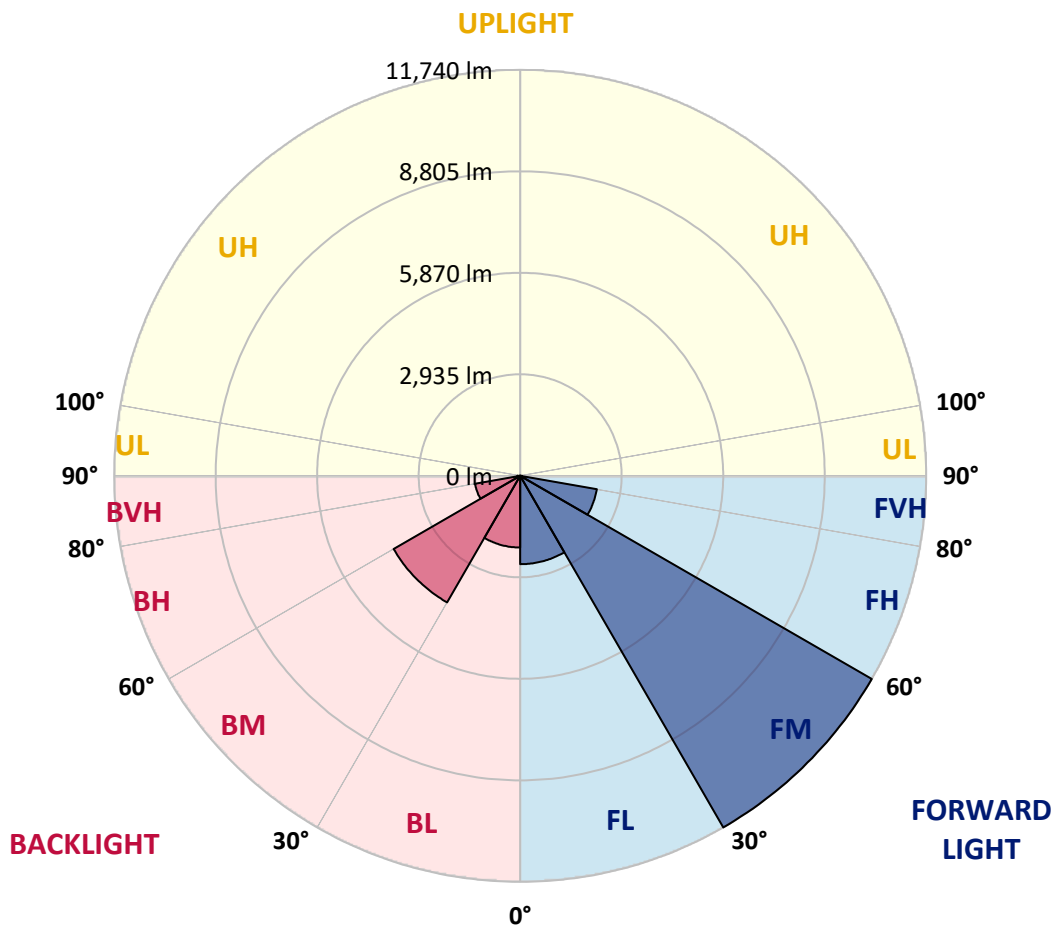
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2555.3	10.5			
FM (30°-60°)	11739.9	48.3			
FH (60°-80°)	2251.5	9.3			G2/5000
FVH (80°-90°)	56.4	0.2			G1/100
BL (0°-30°)	2073.7	8.5	B3/2500		
BM (30°-60°)	4226.7	17.4	B3/5000		
BH (60°-80°)	1325.2	5.5	B3/2500		G3/2500
BVH (80°-90°)	76.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1
2.5°	4863.5	4854.2	4848.0	4897.6	4879.0	4882.1	4863.5	4882.1	4894.5	4866.6	4906.9
5°	4854.2	4882.1	4857.3	4872.8	4913.1	4900.7	4913.1	4950.3	4941.0	4931.7	4919.3
7.5°	4941.0	4944.1	4962.7	4968.9	4981.3	4968.9	4987.5	5021.6	5012.3	4959.6	4965.8
10°	5065.0	5071.2	5074.3	5108.4	5130.1	5133.2	5111.5	5080.5	5077.4	5148.7	5099.1
12.5°	5207.6	5192.1	5229.3	5241.7	5266.5	5294.4	5322.3	5257.2	5297.5	5300.6	5241.7
15°	5415.3	5430.8	5387.4	5387.4	5396.7	5399.8	5477.3	5446.3	5440.1	5406.0	5430.8
17.5°	5725.3	5619.9	5616.8	5573.4	5567.2	5592.0	5619.9	5644.7	5728.4	5660.2	5526.9
20°	5951.6	5976.4	5886.5	5833.8	5843.1	5898.9	5871.0	5982.6	6041.4	5929.9	5799.7
22.5°	6351.4	6267.7	6289.4	6171.6	6180.9	6239.8	6236.7	6351.4	6385.5	6208.8	6019.8
25°	6621.1	6599.4	6618.0	6525.0	6537.4	6583.9	6658.3	6847.4	6791.6	6596.3	6159.2
27.5°	7014.8	6971.4	6955.9	6921.8	6909.4	7033.4	7120.2	7321.7	7281.4	6996.2	6407.2
30°	7417.7	7389.8	7405.3	7265.9	7315.5	7578.9	7603.7	7879.6	7861.0	7358.9	6683.1
32.5°	7696.7	7712.2	7740.1	7662.6	7882.7	8093.5	8177.2	8490.3	8505.8	7981.9	7216.3
35°	8146.2	8093.5	8109.0	8198.9	8301.2	8685.6	8821.9	9029.6	9159.8	8636.0	7727.7
37.5°	8428.3	8484.1	8419.0	8561.6	8828.1	9290.0	9414.0	9627.9	9764.3	9280.7	8425.2
40°	8868.4	8778.5	8825.0	8927.3	9200.1	9801.5	9767.4	9987.5	10030.9	9829.4	9076.1
42.5°	9342.7	9299.3	9234.2	9466.7	9696.1	10133.1	10201.3	10099.0	10319.1	10365.6	10006.1
45°	9910.0	9962.7	9972.0	9978.2	10179.6	10560.9	10467.9	10378.0	10632.2	10970.1	10582.6
47.5°	10436.9	10269.5	10390.4	10557.8	10843.0	10846.1	10954.6	10740.7	11010.4	11311.1	11103.4
50°	10613.6	10533.0	10694.2	11010.4	11450.5	11497.0	11509.4	11205.7	11345.2	11583.8	11283.2
52.5°	10545.4	10517.5	10929.8	11419.5	12064.3	12299.9	12361.9	11986.8	12064.3	11955.8	11679.9
55°	10219.9	10303.6	10719.0	11717.1	12706.0	13434.4	13552.2	13077.9	12585.1	12668.8	12365.0
56°	9773.6	9627.9	10092.8	11379.3	12678.1	13803.3	13899.4	13307.3	12972.5	12864.0	12358.8
57.5°	8291.9	8102.8	8713.5	10238.5	11974.4	13663.8	13735.1	13403.4	12907.4	12687.4	11456.7
60°	4854.2	4947.2	5722.2	7061.3	9237.3	11202.6	11441.2	11683.0	11351.4	10365.6	8527.5
62.5°	2343.4	2284.5	2839.4	4048.3	5629.2	7151.2	7079.9	7758.7	8130.7	7365.1	5384.3
65°	1227.5	1221.3	1549.9	2210.1	3093.6	3756.9	3822.0	4187.8	4699.2	3794.1	2734.0
67.5°	902.0	926.8	1091.1	1553.0	1990.1	2030.3	2021.0	2203.9	2253.5	1906.4	1680.1
70°	706.7	719.1	840.0	1181.0	1481.7	1326.7	1298.8	1320.5	1466.2	1528.2	1453.8
72.5°	511.5	523.9	626.2	796.6	926.8	905.1	923.7	1044.6	1224.4	1289.5	1212.0
75°	341.0	350.3	406.1	486.7	548.7	592.1	626.2	765.6	933.0	970.2	933.0
77.5°	235.6	244.9	282.1	344.1	350.3	378.2	390.6	455.7	558.0	604.5	579.7
80°	133.3	133.3	151.9	176.7	217.0	254.2	260.4	313.1	359.6	390.6	396.8
82.5°	62.0	65.1	80.6	108.5	142.6	176.7	182.9	217.0	251.1	282.1	291.4
85°	31.0	34.1	46.5	65.1	86.8	105.4	102.3	105.4	111.6	105.4	108.5
87.5°	9.3	9.3	12.4	15.5	12.4	15.5	15.5	18.6	21.7	24.8	27.9
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°	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1	4882.1
2.5°	4910.0	4919.3	4857.3	4916.2	4894.5	4891.4	4934.8	4928.6	4944.1	4937.9	4900.7
5°	4913.1	4891.4	4956.5	4897.6	4925.5	4984.4	4944.1	5037.1	4990.6	5021.6	4953.4
7.5°	5009.2	5015.4	5003.0	5027.8	5015.4	5043.3	5021.6	5043.3	5006.1	5009.2	5071.2
10°	5092.9	5074.3	5096.0	5065.0	5086.7	5077.4	5027.8	5012.3	5024.7	5009.2	5049.5
12.5°	5247.9	5213.8	5198.3	5161.1	5136.3	5043.3	4965.8	4922.4	4981.3	4990.6	4972.0
15°	5406.0	5409.1	5337.8	5254.1	5099.1	4959.6	4978.2	4993.7	4993.7	5018.5	4972.0
17.5°	5505.2	5505.2	5440.1	5272.7	5114.6	5034.0	5015.4	4965.8	4922.4	4916.2	4913.1
20°	5678.8	5626.1	5477.3	5269.6	5108.4	5071.2	4931.7	4813.9	4724.0	4693.1	4690.0
22.5°	5877.2	5743.9	5536.2	5275.8	5099.1	5046.4	4786.0	4609.4	4448.2	4380.0	4389.3
25°	6060.0	5846.2	5570.3	5247.9	5065.0	4810.8	4519.5	4274.6	4107.2	4051.4	4023.5
27.5°	6187.1	5954.7	5570.3	5272.7	4937.9	4547.4	4249.8	3936.7	3791.0	3753.8	3760.0
30°	6357.6	6091.0	5666.4	5220.0	4683.8	4206.4	3849.9	3645.3	3558.5	3527.5	3549.2
32.5°	6757.5	6447.5	5799.7	5092.9	4383.1	3865.4	3577.1	3462.4	3335.4	3273.4	3251.7
35°	7191.5	6785.4	5929.9	4879.0	4045.2	3555.4	3375.6	3270.3	3118.4	3050.2	3062.6
37.5°	7805.2	7219.4	5939.2	4525.7	3679.4	3381.8	3217.6	3053.3	2929.3	2823.9	2792.9
40°	8632.9	7811.4	5917.5	4153.7	3384.9	3177.3	3056.4	2851.8	2712.3	2637.9	2653.4
42.5°	9361.3	8505.8	5827.6	3732.1	3118.4	3037.8	2901.4	2699.9	2563.5	2486.0	2479.8
45°	9975.1	9017.2	5657.1	3372.5	2895.2	2882.8	2724.7	2569.7	2461.2	2389.9	2420.9
47.5°	10542.3	9429.5	5399.8	3013.0	2690.6	2715.4	2563.5	2467.4	2399.2	2334.1	2331.0
50°	10746.9	9423.3	5173.5	2715.4	2526.3	2513.9	2507.7	2405.4	2334.1	2278.3	2303.1
52.5°	11087.9	9528.7	4928.6	2510.8	2377.5	2380.6	2402.3	2327.9	2247.3	2213.2	2244.2
55°	11577.6	9544.2	4389.3	2272.1	2253.5	2275.2	2275.2	2225.6	2157.4	2129.5	2114.0
56°	11177.8	9082.3	3936.7	2210.1	2191.5	2191.5	2250.4	2194.6	2110.9	2089.2	2070.6
57.5°	10309.8	7957.1	3295.1	2135.7	2107.8	2151.2	2182.2	2123.3	2045.8	2014.8	2033.4
60°	7110.9	5384.3	2476.7	1974.6	1974.6	2045.8	2070.6	1983.9	1949.8	1946.7	1921.9
62.5°	4150.6	3137.0	1937.4	1828.9	1835.1	1894.0	1912.6	1863.0	1819.6	1872.3	1897.1
65°	2200.8	1872.3	1661.5	1673.9	1677.0	1723.5	1804.1	1801.0	1797.9	1813.4	1816.5
67.5°	1593.3	1556.1	1509.6	1497.2	1503.4	1537.5	1618.1	1680.1	1677.0	1639.8	1611.9
70°	1419.7	1367.0	1339.1	1342.2	1317.4	1357.7	1422.8	1463.1	1391.8	1348.4	1329.8
72.5°	1181.0	1165.5	1146.9	1150.0	1100.4	1091.1	1016.7	1016.7	998.1	985.7	1007.4
75°	902.0	895.8	905.1	889.6	836.9	781.1	737.7	697.4	635.5	610.7	598.3
77.5°	570.4	589.0	610.7	576.6	554.9	514.6	471.2	430.9	381.3	353.4	353.4
80°	387.5	403.0	418.5	412.3	387.5	350.3	316.2	272.8	238.7	217.0	213.9
82.5°	294.5	306.9	328.6	303.8	279.0	248.0	220.1	189.1	158.1	133.3	133.3
85°	105.4	120.9	133.3	145.7	155.0	158.1	136.4	111.6	89.9	71.3	68.2
87.5°	27.9	31.0	34.1	31.0	31.0	31.0	34.1	31.0	27.9	21.7	21.7
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)