

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: P648993

Luminaire Tested: **GLAN-SA6C-835-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-835-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19255.5 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

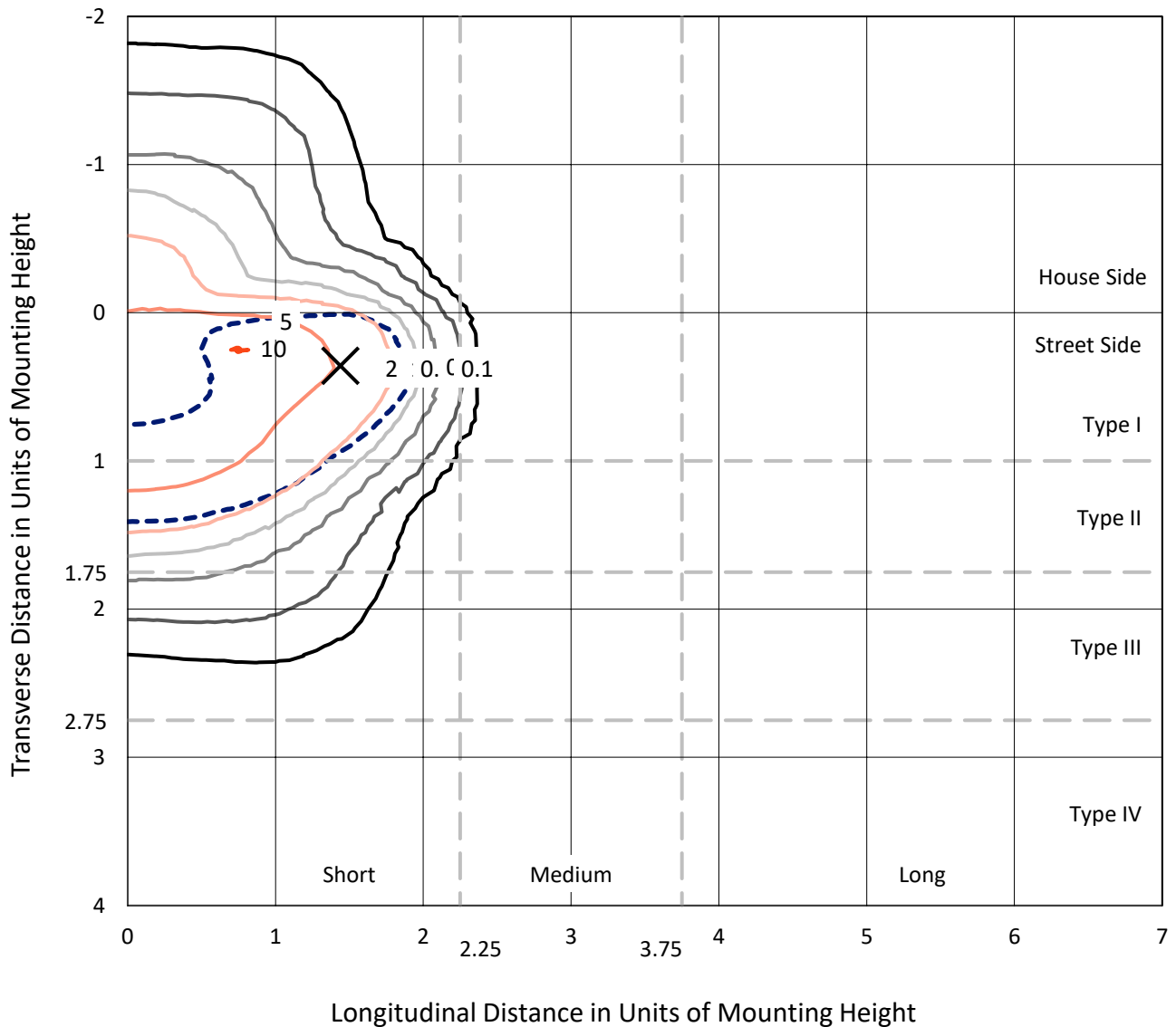
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

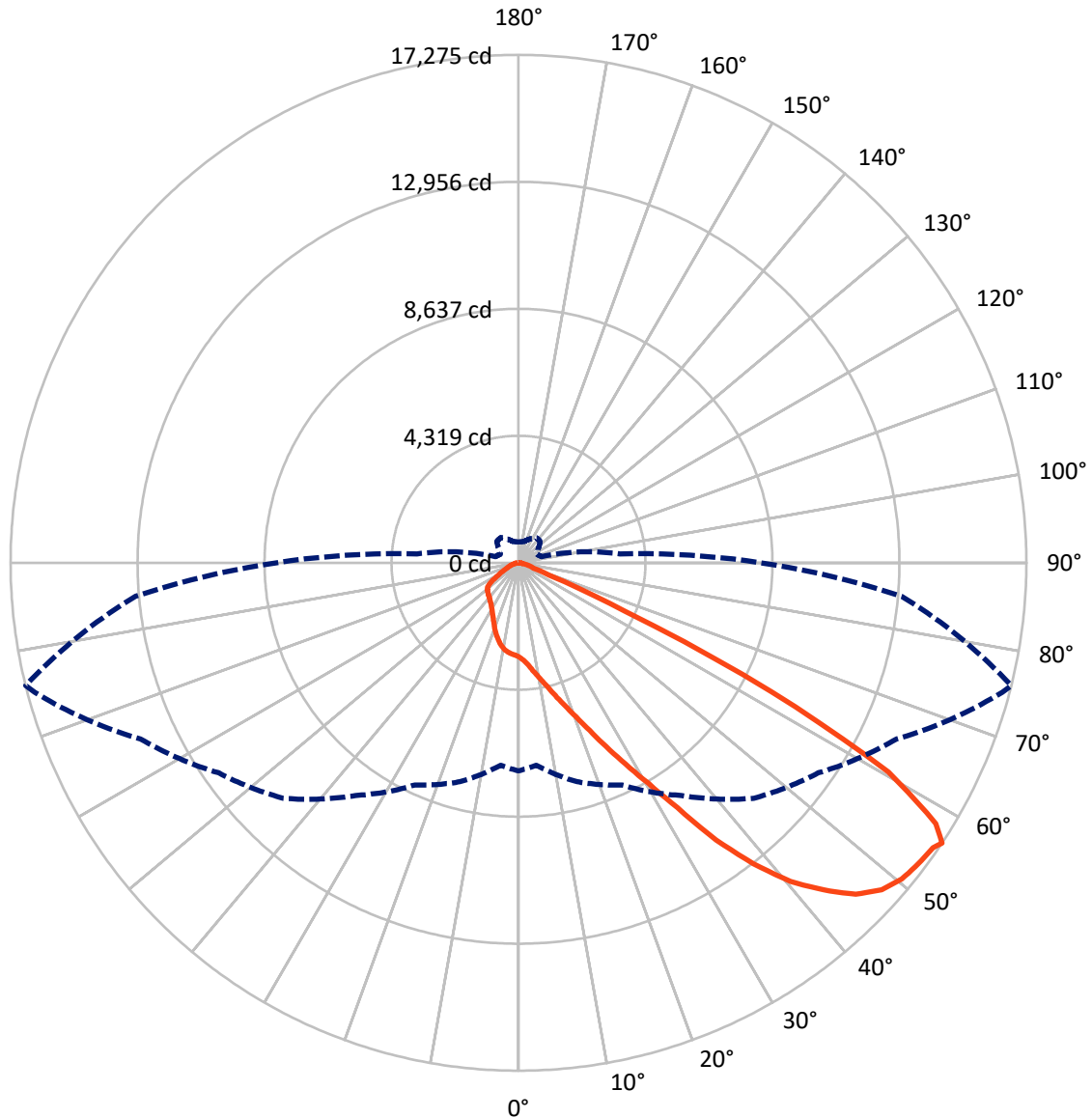
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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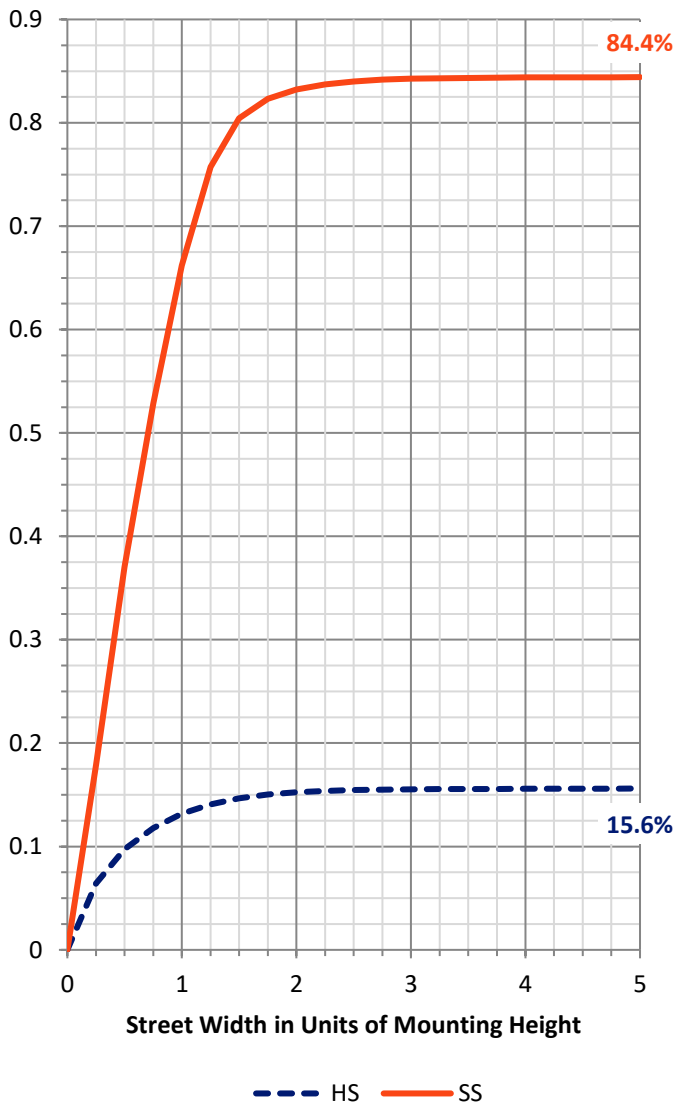
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3024.9	0.0	3024.9
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	16230.6	0.0	16230.6
	% Fixture	84.3	0.0	84.3
Total	Lumens	19255.5	0.0	19255.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.9	1.7
10°-20°	1037.3	5.4
20°-30°	1880.8	9.8
30°-40°	3243.6	16.8
40°-50°	5269.3	27.4
50°-60°	5554.0	28.8
60°-70°	1697.0	8.8
70°-80°	217.5	1.1
80°-90°	33.1	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°	19255.5	100.0
0°-180°	19255.5	100.0

Coefficient of Utilization



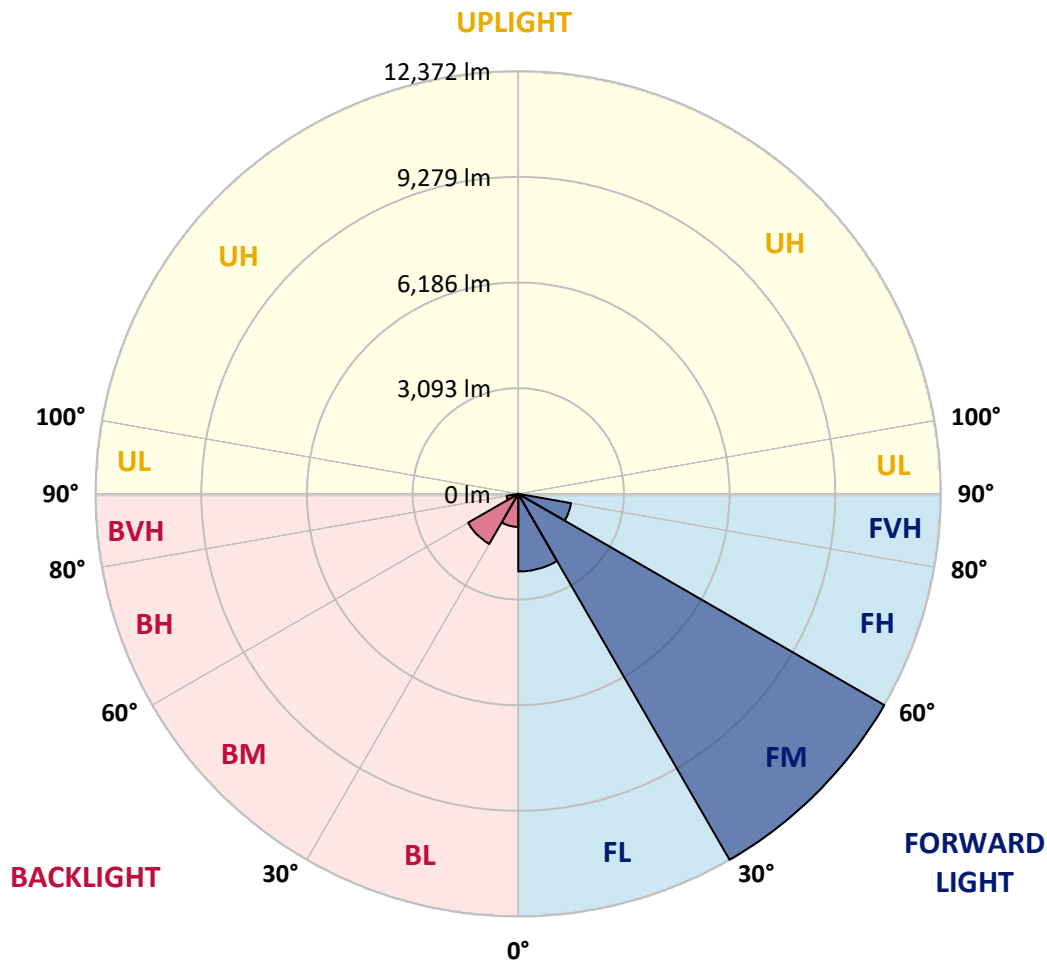
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2273.3	11.8			
FM (30°-60°)	12371.7	64.2			
FH (60°-80°)	1569.4	8.2			G1/1800
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	967.7	5.0	B2/1000		
BM (30°-60°)	1695.3	8.8	B2/2500		
BH (60°-80°)	345.1	1.8	B1/500		G1/500
BVH (80°-90°)	16.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1
2.5°	3691.4	3606.2	3609.7	3602.7	3592.0	3552.9	3435.8	3418.1	3340.0	3318.7	3247.7
5°	4135.0	4060.5	4103.1	4039.3	3978.9	3943.4	3751.7	3663.0	3538.8	3492.6	3393.2
7.5°	4411.9	4376.4	4362.2	4365.8	4309.0	4220.2	4135.0	3939.8	3773.0	3737.5	3528.1
10°	4546.8	4525.5	4546.8	4536.2	4561.0	4571.6	4422.5	4305.4	4060.5	4000.2	3673.6
12.5°	4578.7	4621.3	4639.0	4685.2	4745.5	4848.5	4837.8	4678.1	4351.6	4312.5	3897.2
15°	4656.8	4692.3	4674.6	4749.1	4862.7	5036.6	5128.9	5104.1	4752.7	4681.6	4156.3
17.5°	4727.8	4663.9	4724.2	4873.3	4986.9	5253.1	5476.7	5579.7	5189.3	5107.6	4394.2
20°	4823.7	4805.9	4795.2	4869.8	5072.1	5427.1	5870.7	6058.9	5679.0	5593.8	4734.9
22.5°	5114.7	5118.2	5111.1	5001.1	5146.7	5547.7	6215.0	6680.0	6264.7	6193.7	5121.8
25°	5498.0	5451.9	5416.4	5327.7	5309.9	5657.7	6562.9	7439.5	6967.4	6917.8	5540.6
27.5°	5902.6	5902.6	5796.2	5714.6	5601.0	5931.1	6882.3	8177.8	7815.8	7748.3	5906.2
30°	6342.8	6367.7	6353.4	6179.5	6108.5	6229.2	7208.8	9122.0	8788.3	8703.1	6509.6
32.5°	6992.3	6939.1	6999.4	6853.9	6644.5	6750.9	7723.5	9966.7	10051.9	9931.3	7301.2
35°	7851.3	7819.4	7780.3	7542.5	7294.0	7379.2	8451.2	11006.7	11638.5	11578.1	8099.7
37.5°	8621.5	8603.8	8571.8	8408.6	8121.0	8224.0	9278.2	12089.3	13186.0	12987.3	9228.4
40°	9430.8	9526.6	9423.6	9278.2	9015.5	9242.7	10250.6	12731.7	14488.7	14247.3	10091.0
42.5°	10527.5	10453.0	10499.2	10232.9	10091.0	10339.4	11226.7	13374.2	15500.3	15212.8	11006.7
45°	11695.3	11698.8	11574.6	11489.4	11120.3	11390.1	11826.6	13729.1	16306.0	16082.4	11698.8
47.5°	12444.2	12440.7	12575.5	12710.4	12330.6	12064.5	12234.8	14066.3	16721.3	16618.3	11950.9
50°	12327.1	12362.6	12536.5	13040.6	13239.3	12880.8	12618.1	13966.9	16909.4	16898.7	12167.4
52.5°	10722.7	10839.9	11131.0	11858.5	12859.5	13303.2	13019.3	14151.5	17001.7	17019.4	12490.3
55°	8163.6	8227.5	8781.3	9665.0	10772.4	12291.6	12859.5	14297.0	17072.6	17104.6	12880.8
56°	7081.1	6910.7	7709.3	8337.5	9661.5	11322.6	12454.9	14183.4	17030.0	17274.9	13076.0
57.5°	5345.4	5231.8	5877.8	6662.2	7936.5	9689.9	11198.4	13647.5	16742.6	16739.0	12795.6
60°	3251.3	3137.6	3634.6	4096.0	4809.4	5966.5	7567.3	10868.3	14155.0	14453.2	10360.7
62.5°	1934.4	2005.4	2495.3	2775.7	3006.3	3127.0	3915.0	6459.9	9444.9	9657.9	6428.0
65°	1288.4	1313.2	1682.4	2143.9	2246.7	1788.9	1593.7	2615.9	4096.0	3964.7	2651.4
67.5°	795.1	851.8	1128.7	1611.4	1785.3	1306.2	756.0	976.1	1128.7	1128.7	766.6
70°	482.7	511.1	752.5	1096.7	1224.5	841.2	550.1	550.1	543.1	532.4	457.9
72.5°	230.8	248.4	383.4	564.4	575.0	443.6	426.0	464.9	454.3	450.8	379.8
75°	99.4	106.5	134.9	177.5	202.3	188.2	259.1	333.6	344.3	333.6	273.3
77.5°	31.9	35.5	49.7	63.9	67.4	81.7	110.0	138.4	159.7	149.1	134.9
80°	3.5	7.1	14.2	31.9	49.7	63.9	81.7	92.3	103.0	103.0	95.8
82.5°	3.5	3.5	14.2	28.4	46.1	60.4	78.1	88.7	103.0	106.5	99.4
85°	0.0	3.5	10.6	24.8	39.1	39.1	35.5	35.5	24.8	24.8	24.8
87.5°	0.0	0.0	3.5	3.5	3.5	7.1	7.1	7.1	7.1	7.1	7.1
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°	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1	3205.1
2.5°	3233.5	3226.4	3130.6	3070.2	3038.3	2974.4	2935.4	2907.0	2885.7	2860.8	2864.4
5°	3276.1	3251.3	3091.5	2981.5	2850.2	2779.2	2718.8	2669.2	2637.2	2630.1	2615.9
7.5°	3396.8	3265.4	3024.1	2825.3	2658.5	2587.5	2534.3	2502.3	2516.6	2484.6	2509.4
10°	3489.0	3293.8	2942.4	2654.9	2488.1	2434.9	2406.5	2431.4	2466.8	2452.7	2434.9
12.5°	3602.7	3322.3	2811.1	2491.7	2335.5	2296.5	2346.2	2392.3	2463.3	2491.7	2456.2
15°	3730.4	3354.2	2644.3	2303.6	2204.1	2236.1	2321.3	2402.9	2474.0	2509.4	2530.7
17.5°	3886.6	3343.6	2481.0	2154.5	2080.0	2172.2	2275.2	2349.7	2456.2	2509.4	2495.3
20°	4032.1	3308.0	2300.0	2005.4	2008.9	2094.1	2179.3	2300.0	2356.8	2427.8	2402.9
22.5°	4170.6	3244.1	2111.9	1902.5	1902.5	2033.8	2076.4	2154.5	2204.1	2239.7	2236.1
25°	4365.8	3123.5	1955.7	1803.1	1845.7	1930.9	1966.3	1991.2	1969.9	1998.3	2001.9
27.5°	4504.2	2999.3	1827.9	1714.4	1792.4	1856.3	1845.7	1831.5	1781.8	1742.7	1767.6
30°	4653.3	2853.7	1717.9	1654.0	1696.6	1753.4	1710.8	1668.2	1590.1	1526.2	1529.8
32.5°	4866.3	2786.3	1622.1	1583.1	1639.8	1647.0	1600.8	1536.9	1458.8	1398.4	1394.9
35°	5263.8	2743.7	1540.5	1536.9	1547.5	1551.1	1504.9	1426.9	1394.9	1345.2	1363.0
37.5°	5661.3	2722.4	1483.6	1469.5	1465.9	1469.5	1416.2	1341.7	1402.0	1398.4	1405.6
40°	6168.9	2818.3	1402.0	1384.3	1387.8	1387.8	1320.4	1299.1	1405.6	1416.2	1419.7
42.5°	6683.5	2938.9	1348.8	1292.0	1306.2	1306.2	1270.7	1245.8	1320.4	1249.4	1238.7
45°	7130.8	3116.3	1292.0	1199.7	1235.2	1253.0	1242.3	1199.7	1153.6	1032.9	1032.9
47.5°	7276.3	3272.5	1224.5	1111.0	1139.3	1217.4	1185.5	1096.7	1015.2	915.7	908.7
50°	7531.8	3442.9	1171.3	1008.0	1068.4	1164.2	1132.3	1043.5	951.3	880.2	883.8
52.5°	7794.5	3638.1	1071.9	887.4	961.9	1121.6	1121.6	1022.2	880.2	830.5	823.5
55°	8188.5	3631.0	894.4	727.6	859.0	1057.8	1075.5	915.7	787.9	748.9	748.9
56°	8245.3	3467.8	805.7	681.5	812.8	1040.0	1043.5	887.4	752.5	709.9	709.9
57.5°	7819.4	3130.6	706.3	624.7	756.0	1008.0	1011.6	862.5	724.0	663.7	656.6
60°	6016.3	2119.0	589.2	557.3	685.0	908.7	926.4	784.4	635.3	589.2	585.7
62.5°	3396.8	1174.9	518.2	504.0	589.2	773.8	827.0	685.0	539.5	514.7	521.8
65°	1551.1	646.0	436.6	408.2	475.6	596.3	667.3	564.4	443.6	415.3	415.3
67.5°	567.9	440.1	372.7	323.0	333.6	386.9	433.0	365.6	294.6	252.0	262.6
70°	404.7	369.1	326.5	280.4	259.1	252.0	248.4	205.9	145.6	113.6	120.7
72.5°	326.5	305.2	273.3	237.8	202.3	170.4	145.6	106.5	67.4	46.1	42.6
75°	234.3	223.6	198.8	170.4	142.0	120.7	99.4	67.4	35.5	17.8	17.8
77.5°	120.7	120.7	117.1	106.5	88.7	71.0	56.8	39.1	21.3	7.1	7.1
80°	92.3	99.4	103.0	92.3	81.7	63.9	46.1	28.4	14.2	3.5	3.5
82.5°	88.7	103.0	110.0	95.8	81.7	60.4	46.1	28.4	14.2	3.5	3.5
85°	21.3	21.3	31.9	35.5	46.1	49.7	39.1	24.8	10.6	3.5	3.5
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	3.5	3.5	3.5	3.5	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)