

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: P319714

Luminaire Tested: **GAN-SA0A-750-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-750-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46129 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

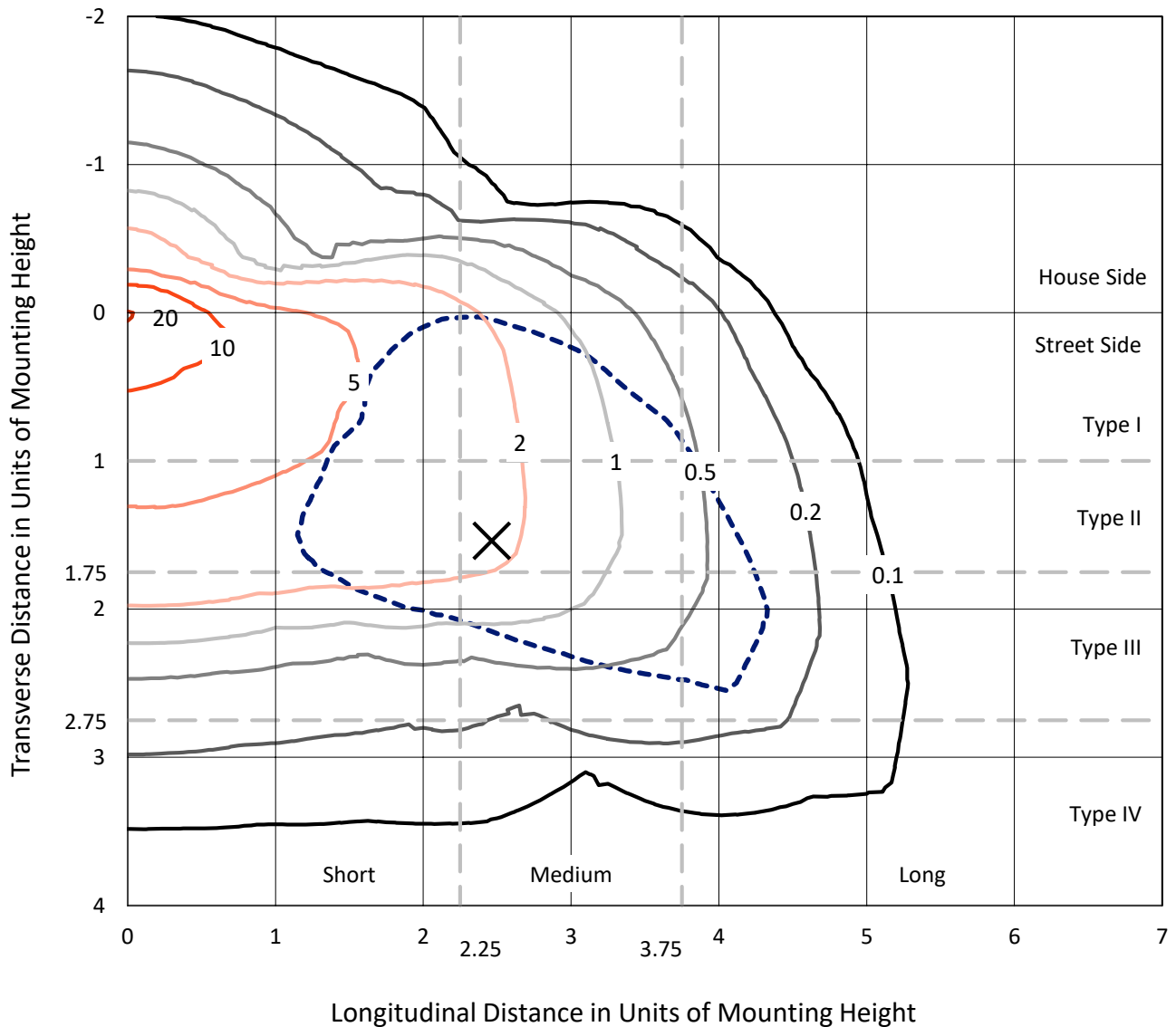
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

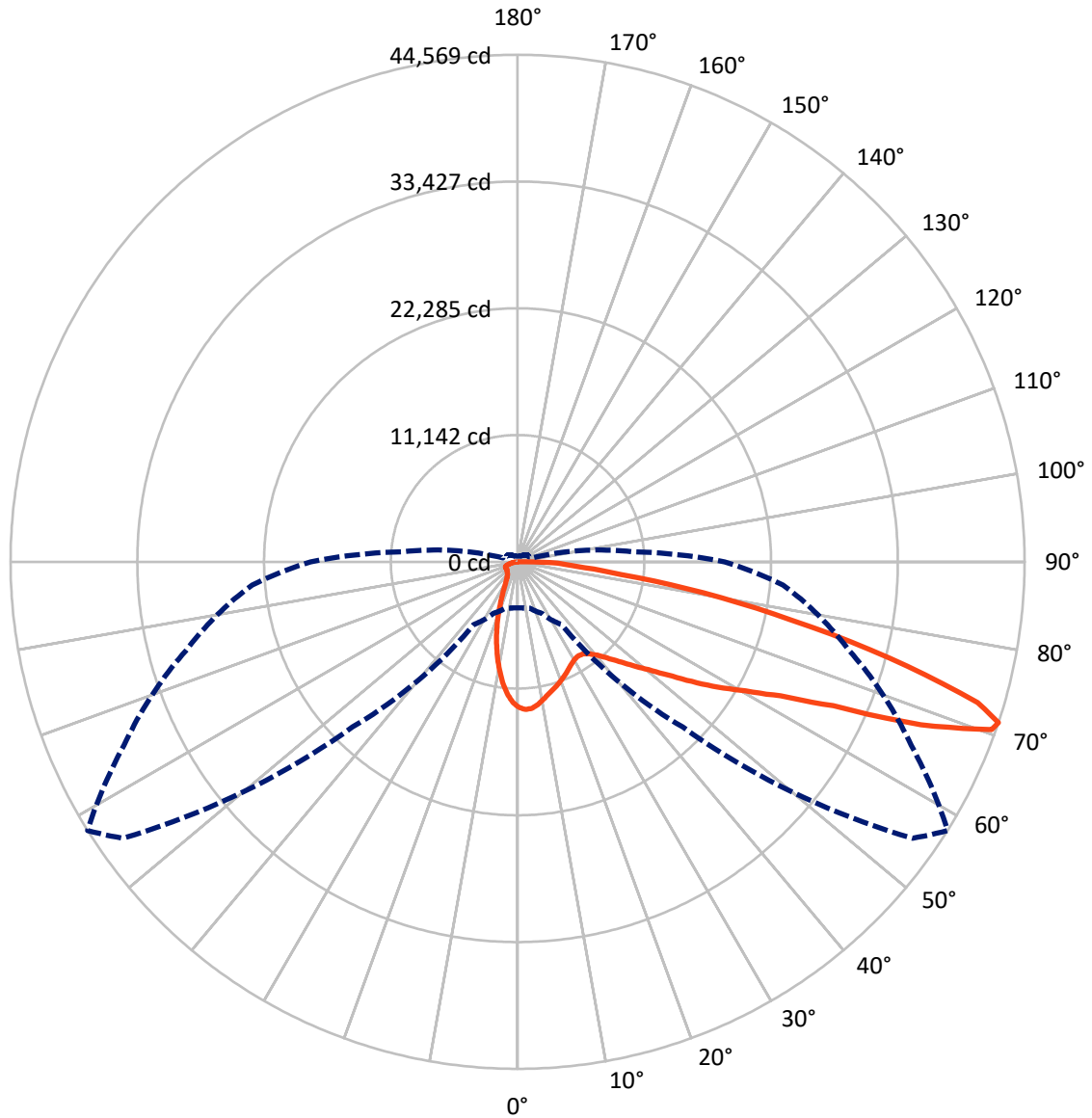
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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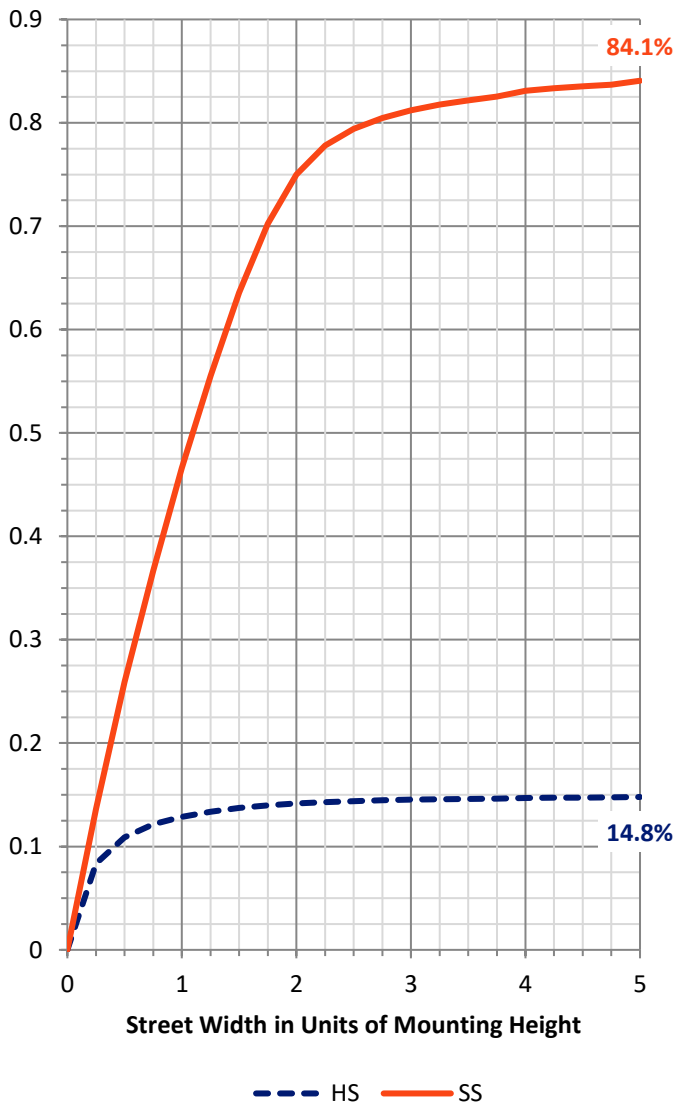
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6896.6	0.0	6896.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	39232.4	0.0	39232.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	46129.0	0.0	46129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1102.6	2.4
10°-20°	2451.8	5.3
20°-30°	3115.9	6.8
30°-40°	3969.1	8.6
40°-50°	5628.4	12.2
50°-60°	8710.1	18.9
60°-70°	11857.7	25.7
70°-80°	7910.5	17.1
80°-90°	1383.0	3.0
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°	46129.0	100.0
0°-180°	46129.0	100.0

Coefficient of Utilization

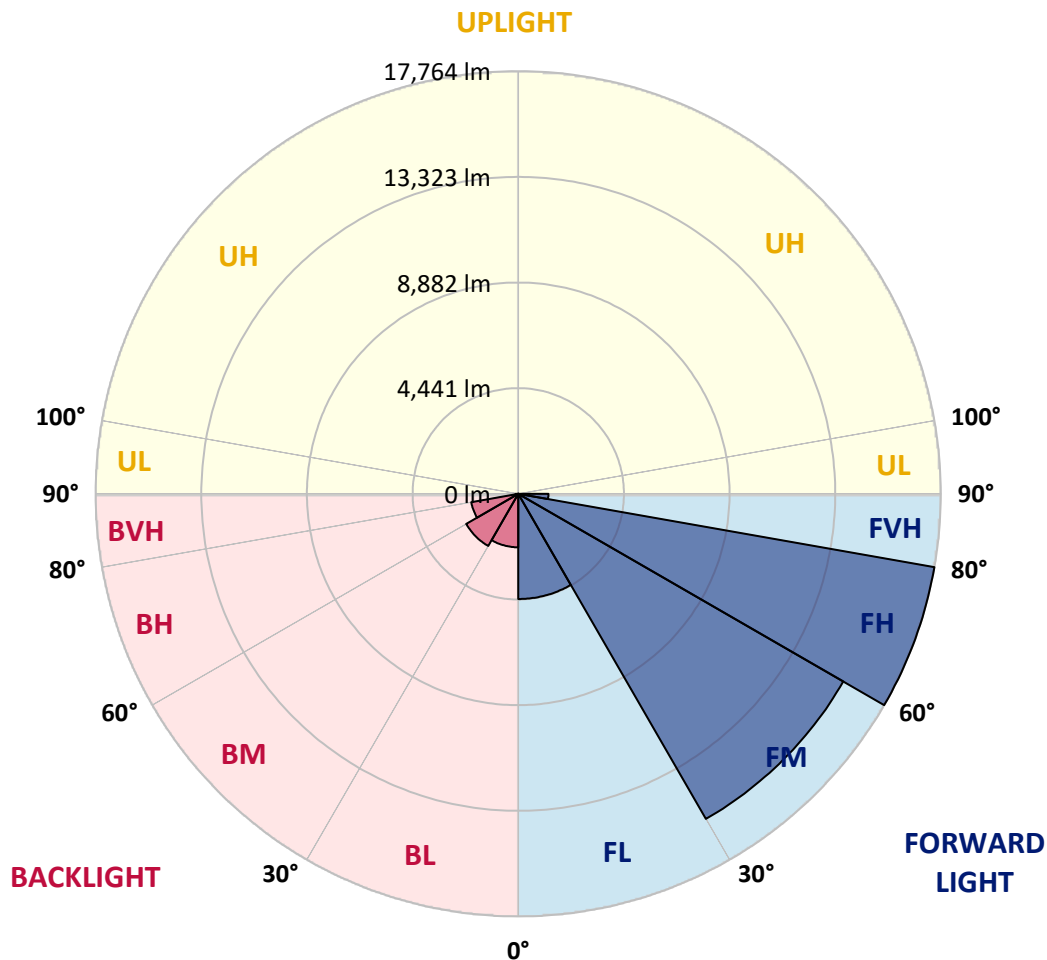


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4422.2	9.6			
FM (30°-60°)	15778.4	34.2			
FH (60°-80°)	17763.7	38.5			G5
FVH (80°-90°)	1268.1	2.7			G5
BL (0°-30°)	2248.1	4.9	B3/2500		
BM (30°-60°)	2529.2	5.5	B3/5000		
BH (60°-80°)	2004.4	4.3	B3/2500		G3/2500
BVH (80°-90°)	114.9	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8
2.5°	13119.9	13102.2	13108.6	13095.8	13065.2	13034.7	12989.7	12997.7	12935.1	12841.9	12726.2
5°	12872.4	12866.0	12914.2	12941.5	12964.0	12946.3	12933.5	12949.5	12857.9	12729.4	12528.5
7.5°	12353.4	12282.7	12343.8	12435.3	12522.1	12588.0	12674.8	12686.0	12628.2	12493.2	12229.7
10°	11615.9	11548.4	11638.4	11781.4	11954.9	12112.4	12287.5	12319.7	12330.9	12208.8	11889.0
12.5°	10851.0	10799.6	10889.6	11090.4	11378.0	11620.7	11900.3	11948.5	12048.1	11966.1	11574.1
15°	10166.5	10147.2	10256.5	10454.1	10785.1	11156.3	11559.6	11648.0	11816.7	11789.4	11328.2
17.5°	9575.2	9570.3	9653.9	9861.2	10227.5	10696.7	11220.6	11370.0	11620.7	11652.8	11125.8
20°	9134.9	9125.3	9183.1	9335.7	9713.4	10245.2	10854.2	11059.9	11421.4	11533.9	10916.9
22.5°	8898.7	8897.1	8898.7	8971.0	9279.5	9774.4	10497.5	10748.2	11227.0	11439.1	10685.5
25°	8858.5	8853.7	8818.3	8810.3	8985.5	9380.7	10144.0	10420.4	11042.2	11373.2	10465.4
27.5°	8963.0	8969.4	8922.8	8847.3	8882.6	9122.0	9837.1	10132.7	10894.4	11360.4	10312.7
30°	9179.9	9176.7	9136.5	9057.8	8988.7	9025.6	9618.6	9914.2	10794.8	11416.6	10208.3
32.5°	9419.3	9437.0	9428.9	9385.6	9282.7	9134.9	9552.7	9841.9	10765.8	11551.6	10163.3
35°	9706.9	9726.2	9784.1	9817.8	9697.3	9459.5	9694.1	9944.7	10849.4	11805.5	10235.6
37.5°	9980.1	10029.9	10192.2	10335.2	10232.4	9967.2	10070.1	10248.4	11108.1	12205.6	10430.0
40°	10295.0	10338.4	10603.5	10907.2	10891.2	10616.4	10675.9	10794.8	11564.4	12779.2	10781.9
42.5°	10605.2	10691.9	11076.0	11506.6	11630.3	11387.7	11482.5	11545.2	12207.2	13539.2	11395.7
45°	11018.1	11111.3	11644.8	12163.8	12453.0	12316.4	12467.5	12491.6	13015.4	14574.1	12287.5
47.5°	11643.2	11749.2	12371.1	12915.8	13357.7	13372.1	13621.2	13611.6	14024.5	15758.3	13410.7
50°	12616.9	12769.6	13278.9	13788.3	14325.0	14623.9	14956.5	14909.9	15234.5	17019.7	14704.2
52.5°	13892.8	13963.5	14341.1	14717.1	15383.9	16054.0	16531.2	16489.4	16606.7	18316.4	16172.9
55°	15215.2	15268.2	15424.1	15629.7	16526.4	17619.0	18628.1	18562.2	18265.0	19662.9	17623.8
57.5°	16404.2	16511.9	16619.6	16704.7	17676.9	19254.8	20773.2	20778.1	20064.6	21115.5	19123.0
60°	16589.0	16683.8	17395.7	18067.3	19645.2	21436.9	23069.4	23021.2	21927.0	22691.8	20794.1
62.5°	14664.0	14877.7	16066.8	17853.6	21541.3	25428.3	25998.7	25939.2	24154.0	24634.5	22740.0
65°	10508.7	10751.4	12186.3	14871.3	20622.2	29826.2	31285.2	30485.0	27191.0	27023.9	25018.5
67.5°	6062.6	6120.5	6742.3	8898.7	15702.1	30056.0	39349.9	38230.0	31907.1	29734.6	26133.7
70°	4483.1	4481.5	4629.3	5476.1	8497.0	24530.0	43185.5	44189.7	36872.2	30626.4	24557.4
71°	4054.1	4058.9	4224.4	4984.4	6729.5	20532.2	42370.8	44569.0	38180.2	30186.1	23416.5
72.5°	3467.6	3483.6	3713.4	4470.2	5660.9	14159.5	38861.5	42293.7	38800.4	29099.9	21631.3
75°	2630.4	2667.4	2985.5	3768.0	5174.0	7181.0	28521.4	33772.6	34468.4	25677.3	16073.2
77.5°	1876.8	1918.6	2278.5	3168.7	4918.5	5411.8	19100.5	24634.5	25365.6	16455.7	7250.1
80°	1185.8	1235.7	1507.2	2521.1	4621.3	5138.7	12003.1	16558.5	13831.7	5265.6	1844.7
82.5°	695.8	734.3	935.2	1647.0	3774.5	4949.1	7062.1	9178.3	5382.9	1590.8	838.8
85°	403.3	421.0	583.3	1049.3	2741.3	4671.1	5188.5	5130.6	2336.3	777.7	396.9
87.5°	188.0	208.9	345.5	547.9	1521.7	3385.6	4100.7	3543.1	1452.6	364.8	186.4
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°	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8	12780.8
2.5°	12669.9	12642.6	12528.5	12427.3	12321.3	12183.1	12030.4	12011.1	11917.9	11935.6	11903.5
5°	12419.3	12350.2	12075.4	11826.4	11532.3	11268.8	10982.8	10851.0	10661.4	10648.5	10600.3
7.5°	12061.0	11932.4	11506.6	11034.2	10561.8	10111.9	9666.8	9374.3	9075.4	8948.5	8937.3
10°	11657.6	11439.1	10812.4	10113.5	9432.2	8775.0	8138.7	7667.8	7243.6	7042.8	7034.8
12.5°	11275.2	10952.2	10092.6	9141.3	8209.4	7357.7	6485.2	5866.6	5334.7	5156.4	5080.8
15°	10950.6	10495.9	9392.0	8175.6	7044.4	5861.8	4868.7	4218.0	3726.3	3555.9	3523.8
17.5°	10635.7	10050.8	8673.7	7200.3	5832.8	4532.9	3538.3	3054.6	2792.7	2723.6	2722.0
20°	10322.3	9592.8	7923.3	6202.4	4661.4	3390.4	2720.4	2503.5	2415.1	2407.0	2394.2
22.5°	9967.2	9107.6	7134.4	5201.3	3637.9	2665.7	2312.2	2225.5	2214.2	2243.2	2243.2
25°	9634.6	8625.5	6334.2	4221.2	2829.6	2223.9	2064.8	2047.1	2077.6	2129.1	2133.9
27.5°	9324.5	8161.1	5553.2	3350.3	2267.3	1958.7	1892.9	1913.7	1968.4	2027.8	2029.4
30°	9069.0	7722.5	4794.8	2640.0	1915.4	1761.1	1749.9	1791.6	1851.1	1897.7	1908.9
32.5°	8871.4	7348.1	4062.1	2122.6	1685.6	1613.3	1622.9	1658.3	1695.2	1720.9	1738.6
35°	8779.8	7026.7	3385.6	1790.0	1539.4	1499.2	1512.0	1531.3	1547.4	1566.7	1581.1
37.5°	8795.8	6777.7	2781.4	1582.7	1441.3	1420.4	1420.4	1420.4	1420.4	1430.1	1431.7
40°	8945.3	6634.6	2289.7	1451.0	1375.5	1353.0	1335.3	1319.2	1306.4	1312.8	1309.6
42.5°	9327.7	6621.8	1929.8	1367.4	1322.4	1285.5	1250.1	1227.6	1211.6	1218.0	1221.2
45°	9976.9	6782.5	1687.2	1308.0	1272.6	1216.4	1171.4	1147.3	1136.0	1156.9	1160.1
47.5°	10817.3	7132.8	1539.4	1264.6	1226.0	1152.1	1103.9	1081.4	1084.6	1115.1	1123.2
50°	11900.3	7701.6	1468.7	1237.3	1193.9	1097.5	1047.7	1028.4	1038.0	1081.4	1091.0
52.5°	13089.3	8521.1	1476.7	1229.2	1173.0	1057.3	1004.3	981.8	997.8	1038.0	1046.1
55°	14461.6	9506.1	1610.1	1240.5	1142.5	1031.6	968.9	930.4	943.2	980.2	986.6
57.5°	15986.5	10634.1	1878.4	1237.3	1103.9	1007.5	932.0	874.1	883.8	906.3	912.7
60°	17574.0	11996.7	2294.6	1246.9	1086.2	978.6	882.2	809.8	806.6	825.9	829.1
62.5°	19479.7	13573.0	2770.2	1253.3	1097.5	941.6	816.3	745.6	735.9	740.8	744.0
65°	21443.3	14713.8	2591.8	1227.6	1132.8	911.1	758.4	682.9	665.2	662.0	663.6
67.5°	21504.4	13491.0	1817.3	1176.2	1147.3	895.0	715.0	629.9	601.0	589.7	588.1
70°	19285.3	10960.3	1415.6	1121.6	1089.4	869.3	674.9	586.5	543.1	525.4	523.8
71°	18202.3	10089.4	1341.7	1094.3	1046.1	843.6	657.2	567.2	522.2	502.9	499.7
72.5°	16503.9	9044.9	1251.7	1050.9	962.5	777.7	623.5	539.9	493.3	470.8	466.0
75°	11844.0	5914.8	1075.0	936.8	797.0	620.2	546.3	485.3	445.1	417.8	414.6
77.5°	4563.4	2354.0	813.1	779.3	610.6	485.3	449.9	419.4	390.5	363.1	361.5
80°	1410.8	1052.5	592.9	586.5	441.9	361.5	350.3	342.3	331.0	302.1	295.7
82.5°	753.6	604.2	408.1	379.2	289.2	241.0	253.9	257.1	258.7	228.2	225.0
85°	359.9	319.8	229.8	215.3	168.7	135.0	155.9	168.7	170.3	139.8	130.2
87.5°	171.9	167.1	107.7	81.9	62.7	45.0	54.6	67.5	73.9	53.0	46.6
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)