

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: P653048

Luminaire Tested: **GLAN-SA8C-840-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-840-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27921.2 lumens
Efficiency: N/A
Efficacy: 65.1 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

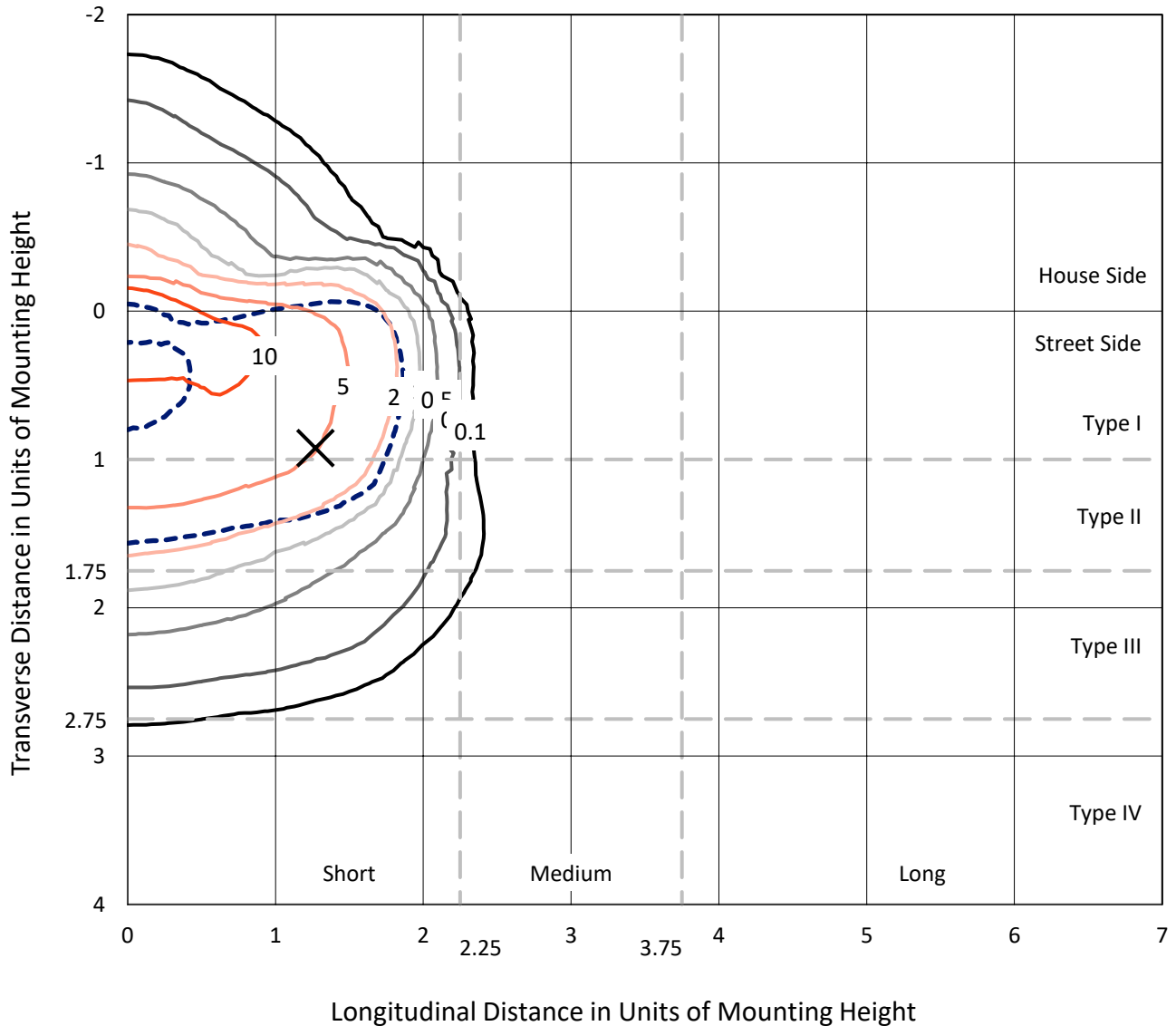
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

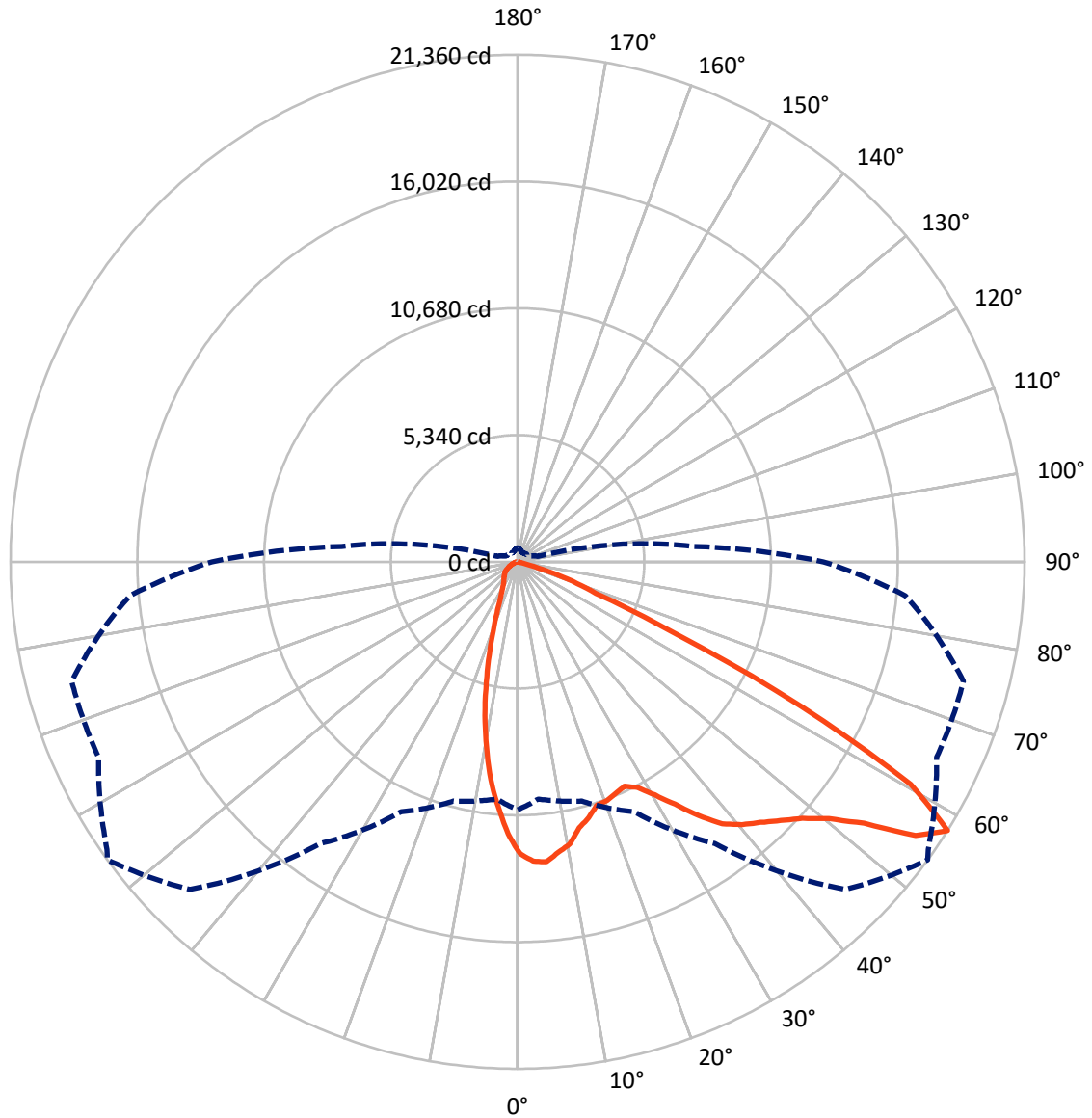
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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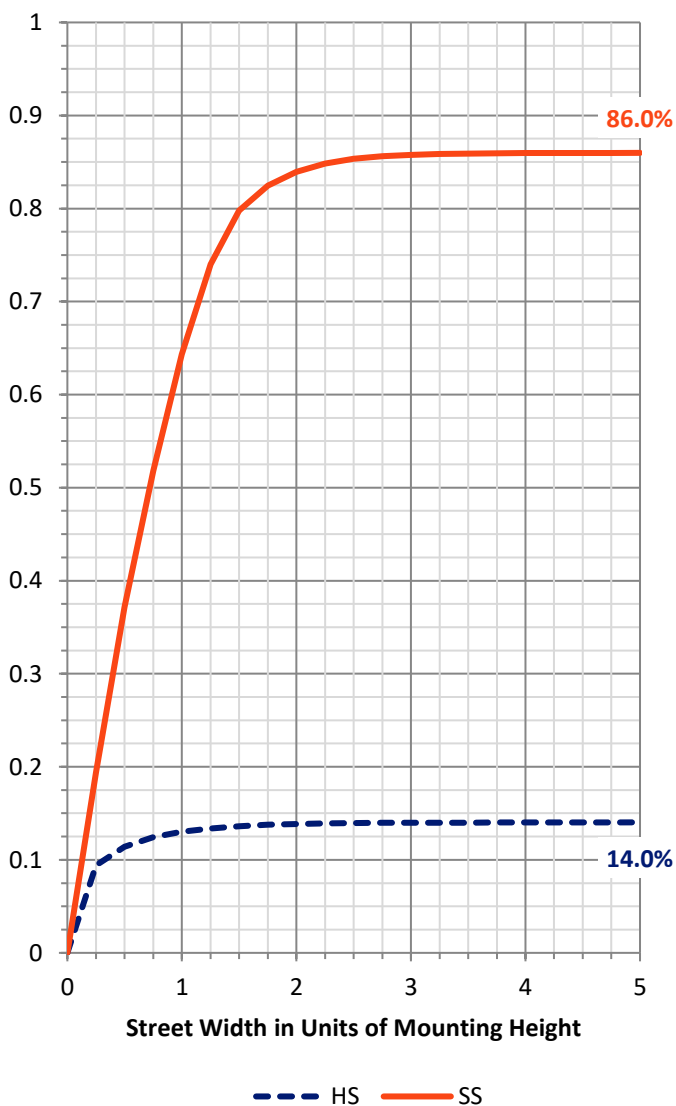
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3945.7	0.0	3945.7
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	23975.5	0.0	23975.5
	% Fixture	85.9	0.0	85.9
Total	Lumens	27921.2	0.0	27921.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1029.3	3.7
10°-20°	2197.4	7.9
20°-30°	2912.1	10.4
30°-40°	4232.0	15.2
40°-50°	6275.5	22.5
50°-60°	7847.3	28.1
60°-70°	3095.4	11.1
70°-80°	308.2	1.1
80°-90°	24.0	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°	27921.2	100.0
0°-180°	27921.2	100.0

Coefficient of Utilization

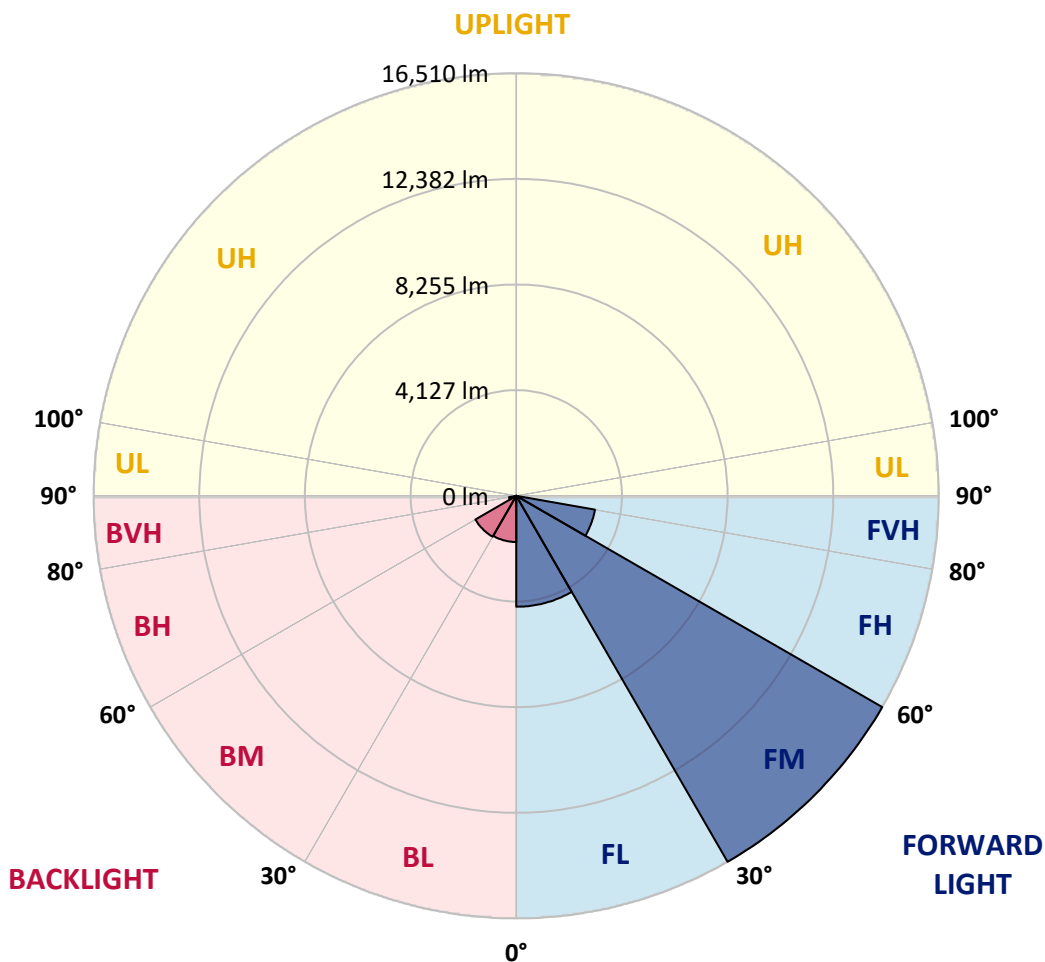


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4334.2	15.5			
FM (30°-60°)	16509.7	59.1			
FH (60°-80°)	3120.7	11.2			G2/5000
FVH (80°-90°)	10.9	0.0			G1/100
BL (0°-30°)	1804.6	6.5	B3/2500		
BM (30°-60°)	1845.1	6.6	B2/2500		
BH (60°-80°)	282.9	1.0	B1/500		G1/500
BVH (80°-90°)	13.1	0.0			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°	54°	55°	65°	75°	85°
0°	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6
2.5°	13016.2	12881.2	12891.5	12844.8	12782.5	12829.2	12626.8	12673.4	12668.3	12393.1	12211.4
5°	12689.1	12834.4	12683.9	12808.5	12689.1	12818.9	12694.2	12600.8	12450.2	12247.7	11910.2
7.5°	12133.5	11993.3	12034.9	12190.6	12216.6	12507.4	12351.6	12471.0	12408.7	12008.9	11546.8
10°	11017.3	10986.1	11193.8	11401.4	11655.8	11967.3	12086.8	12019.3	11972.6	11822.0	11204.1
12.5°	10160.6	10248.8	10243.6	10586.3	11017.3	11193.8	11505.3	11495.0	11754.5	11474.2	10882.3
15°	9345.4	9392.2	9610.3	9823.1	10300.7	10804.4	11188.6	11240.6	11552.1	11354.8	10633.0
17.5°	8847.1	8779.5	8950.8	9205.2	9693.3	10352.7	10778.4	10903.1	11328.8	11287.2	10347.5
20°	8353.8	8353.8	8494.0	8795.1	9241.6	9984.1	10742.1	10705.8	11328.8	11209.4	10041.2
22.5°	8187.6	8270.7	8307.1	8535.6	9065.1	9703.7	10586.3	10653.8	11417.1	11173.0	9906.2
25°	8416.1	8307.1	8317.5	8499.1	8997.6	9568.7	10472.1	10622.7	11578.0	11354.8	9797.1
27.5°	8452.5	8561.5	8592.7	8717.2	9049.5	9610.3	10757.7	11064.0	11977.8	11780.5	9828.3
30°	8769.2	8878.2	8873.0	9085.8	9314.3	9947.7	11396.3	11458.5	12803.3	12315.3	10020.4
32.5°	9153.4	9267.6	9303.9	9553.2	9734.8	10565.6	12175.1	12336.0	13597.6	13156.4	10524.0
35°	9631.0	9589.5	9755.6	10004.9	10394.3	11469.0	13125.2	13395.2	14454.4	14246.6	11043.3
37.5°	10228.1	10176.2	10337.2	10742.1	11271.7	12538.5	14002.6	14179.2	15077.4	15259.0	12003.8
40°	10648.7	10669.4	11157.5	11702.6	12263.3	13556.1	14558.1	14729.4	15513.5	16204.0	12730.6
42.5°	11349.5	11479.3	12066.0	12730.6	13317.3	14319.3	15009.8	15176.0	15715.9	16962.0	13711.8
45°	12367.2	12310.1	12959.1	13701.5	14350.5	15113.7	15544.6	15487.5	15835.4	17714.8	14329.7
47.5°	13675.5	13685.9	14116.9	14750.2	15425.2	15804.2	16141.6	15939.2	16084.5	18509.2	15155.2
50°	14568.6	14646.4	14994.3	15643.3	15980.8	16562.2	16993.2	16868.5	16821.9	18986.8	15674.4
52.5°	14797.0	15030.6	15217.6	16027.4	16816.6	17735.6	18285.9	18550.8	17720.0	19147.8	16333.8
55°	13073.3	13280.9	13940.3	15051.4	17133.4	19594.3	20352.4	20357.5	18893.4	19864.3	16795.9
57.5°	10451.4	10030.8	10435.8	11614.3	14485.5	19516.4	21359.5	21115.6	19480.1	19443.8	16396.1
60°	7227.1	7123.4	7149.3	7616.5	10025.6	15523.9	19033.6	19350.3	17938.1	16853.0	12979.8
62.5°	5726.7	5638.4	5524.2	5472.3	6225.1	9672.6	13426.3	13872.8	12543.7	10929.0	7694.4
65°	4485.8	4433.9	4449.5	4657.1	4652.0	5487.9	7341.3	7159.7	5731.9	4236.6	2419.5
67.5°	3026.9	3104.8	3167.0	3795.3	4117.2	3821.3	3546.1	3442.2	1863.9	784.0	534.8
70°	1702.9	1713.4	1780.8	2372.7	3125.6	2964.6	2445.4	2445.4	929.4	285.5	306.3
72.5°	929.4	898.2	835.9	1022.8	1391.4	1412.2	1090.3	950.2	275.2	186.9	171.3
75°	451.7	446.5	384.2	316.7	301.2	249.2	192.1	176.5	124.6	119.4	103.9
77.5°	93.4	88.2	46.8	46.8	51.9	57.1	72.7	72.7	88.2	88.2	72.7
80°	0.0	0.0	5.2	20.8	36.3	51.9	62.3	62.3	72.7	72.7	57.1
82.5°	0.0	0.0	5.2	15.6	31.1	46.8	57.1	62.3	72.7	77.9	62.3
85°	0.0	0.0	0.0	10.3	26.0	36.3	31.1	31.1	26.0	20.8	10.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6	12299.6
2.5°	12118.0	12107.5	11868.7	11733.7	11489.7	11276.9	11105.5	10980.9	10980.9	10903.1	10830.3
5°	11775.3	11687.0	11178.2	10851.1	10389.0	10046.3	9812.7	9631.0	9345.4	9423.3	9117.0
7.5°	11349.5	11126.3	10451.4	9952.9	9314.3	8826.3	8327.8	7886.6	7460.8	7268.7	7372.5
10°	10892.6	10503.2	9594.6	8805.5	8011.1	7118.1	6536.7	5830.6	5394.4	5368.4	5254.2
12.5°	10409.8	9968.5	8862.6	7772.3	6728.8	5654.0	4766.2	4106.8	3810.9	3483.8	3546.1
15°	10046.3	9392.2	8047.4	6733.9	5347.7	4262.6	3369.6	2860.7	2580.4	2502.5	2476.6
17.5°	9651.8	8950.8	7216.8	5628.1	4195.1	3068.4	2424.6	2180.6	2071.6	2071.6	2056.0
20°	9241.6	8452.5	6391.3	4600.0	3146.3	2289.6	1941.8	1863.9	1858.7	1853.5	1853.5
22.5°	8971.6	7881.3	5643.6	3655.2	2372.7	1832.7	1687.4	1656.2	1677.0	1739.3	1739.3
25°	8686.1	7331.0	4818.1	2819.2	1837.9	1573.2	1490.1	1510.9	1562.7	1619.9	1599.1
27.5°	8395.4	6972.7	4039.3	2211.7	1505.6	1375.9	1344.7	1391.4	1448.5	1500.4	1484.9
30°	8327.8	6588.6	3302.1	1677.0	1292.8	1199.4	1220.1	1261.7	1318.8	1339.5	1360.3
32.5°	8431.7	6287.4	2705.0	1375.9	1126.7	1100.7	1100.7	1121.5	1157.8	1204.6	1188.9
35°	8727.6	6116.1	2139.1	1194.1	1033.2	1007.3	1002.1	1022.8	1043.6	1059.2	1043.6
37.5°	9179.3	5981.1	1749.7	1059.2	970.9	929.4	919.0	913.7	934.5	939.7	950.2
40°	9755.6	6053.8	1484.9	976.1	908.6	861.9	830.7	830.7	830.7	846.3	851.5
42.5°	10378.6	6152.4	1282.4	929.4	851.5	794.3	763.2	752.9	763.2	784.0	778.8
45°	11032.8	6344.5	1152.6	856.6	799.5	726.9	685.3	675.0	700.9	742.4	737.2
47.5°	11645.5	6619.7	1053.9	810.0	747.6	680.1	628.2	617.8	664.6	721.7	726.9
50°	12258.2	7097.4	1017.6	773.6	711.3	633.4	586.7	576.3	628.2	700.9	716.4
52.5°	12964.3	7611.4	991.6	726.9	669.8	597.1	545.1	534.8	591.9	685.3	690.5
55°	13426.3	8047.4	970.9	643.8	591.9	539.9	498.5	493.2	555.6	638.6	659.3
57.5°	12886.4	7440.0	898.2	560.7	503.6	477.7	441.3	441.3	493.2	571.1	586.7
60°	9771.2	4896.0	638.6	451.7	425.7	410.2	394.6	394.6	436.1	493.2	498.5
62.5°	5721.5	2637.5	410.2	363.4	363.4	347.8	321.9	321.9	363.4	394.6	399.8
65°	1697.7	846.3	332.3	311.5	306.3	280.4	254.4	249.2	280.4	295.9	290.7
67.5°	488.0	389.4	275.2	259.6	254.4	212.9	197.3	192.1	197.3	186.9	181.7
70°	290.7	264.7	212.9	218.1	192.1	155.8	140.2	135.0	124.6	109.0	98.6
72.5°	161.0	161.0	155.8	166.2	135.0	103.9	88.2	72.7	57.1	46.8	41.5
75°	98.6	103.9	109.0	114.2	88.2	67.5	57.1	36.3	20.8	10.3	10.3
77.5°	67.5	72.7	77.9	83.1	72.7	62.3	46.8	26.0	5.2	0.0	0.0
80°	51.9	57.1	67.5	72.7	77.9	83.1	62.3	26.0	5.2	0.0	0.0
82.5°	57.1	62.3	77.9	72.7	72.7	72.7	57.1	26.0	5.2	0.0	0.0
85°	10.3	15.6	26.0	26.0	36.3	46.8	36.3	10.3	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)