

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: P323522

Luminaire Tested: **GAN-SA8B-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39128 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

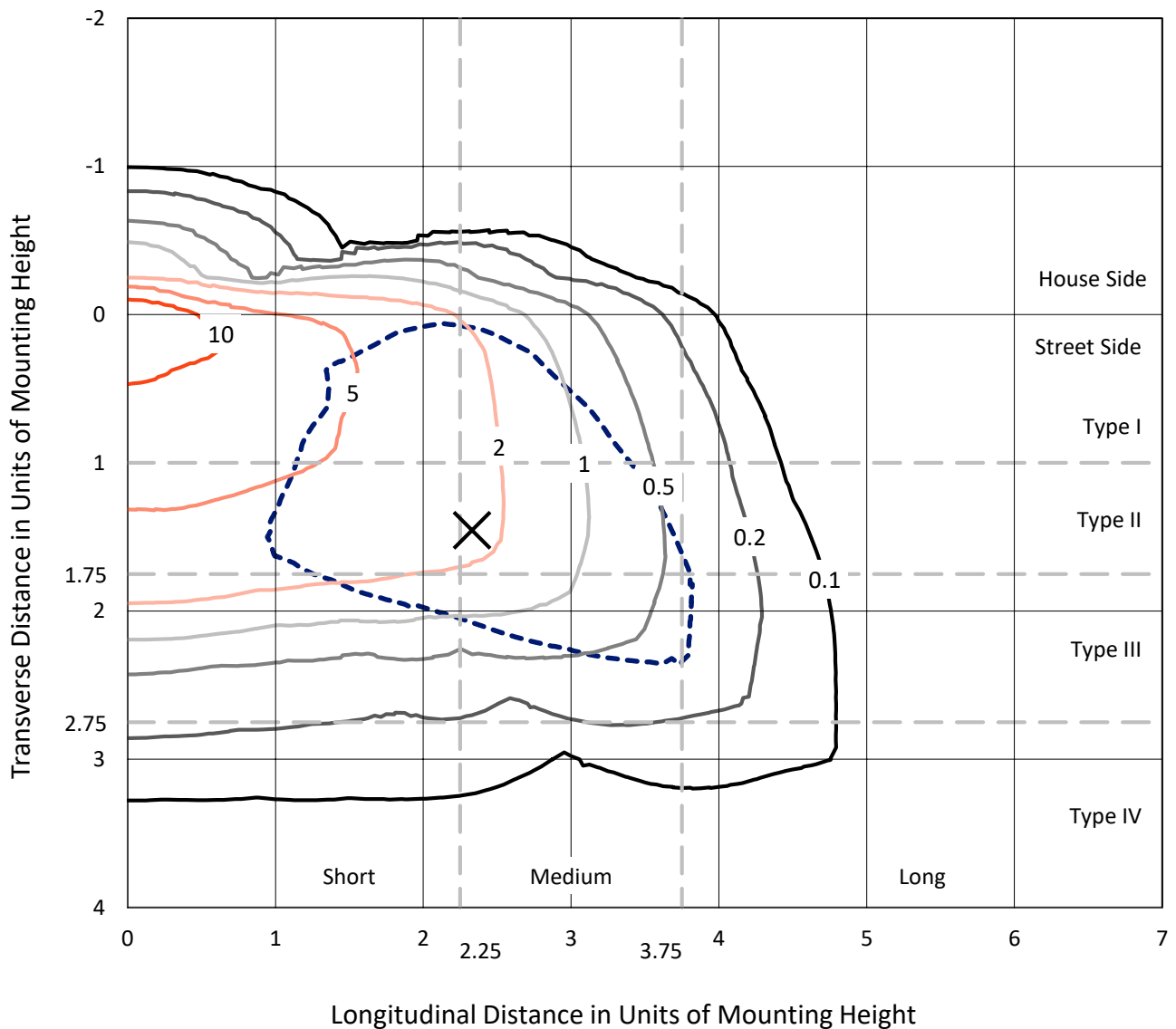
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

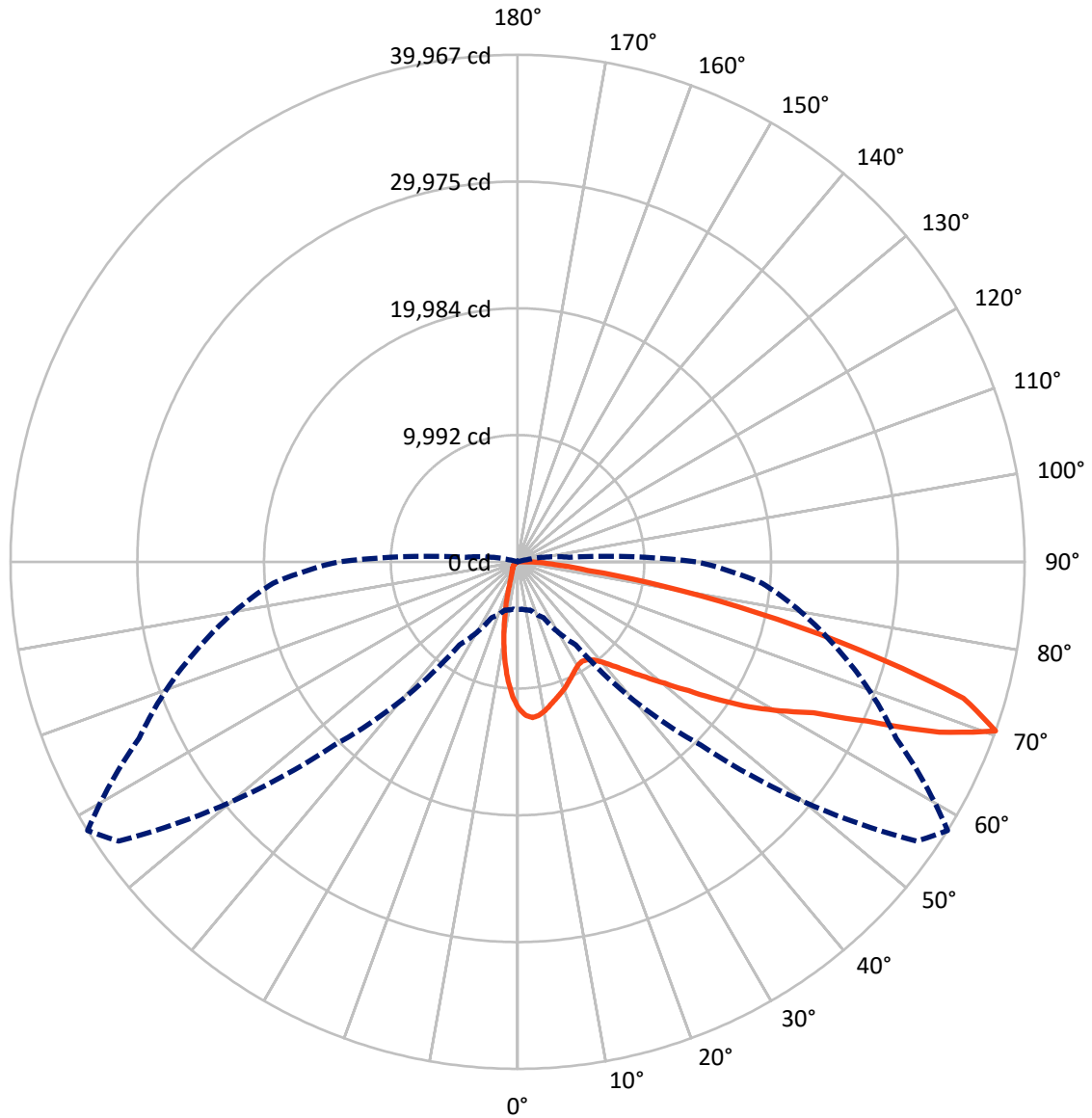
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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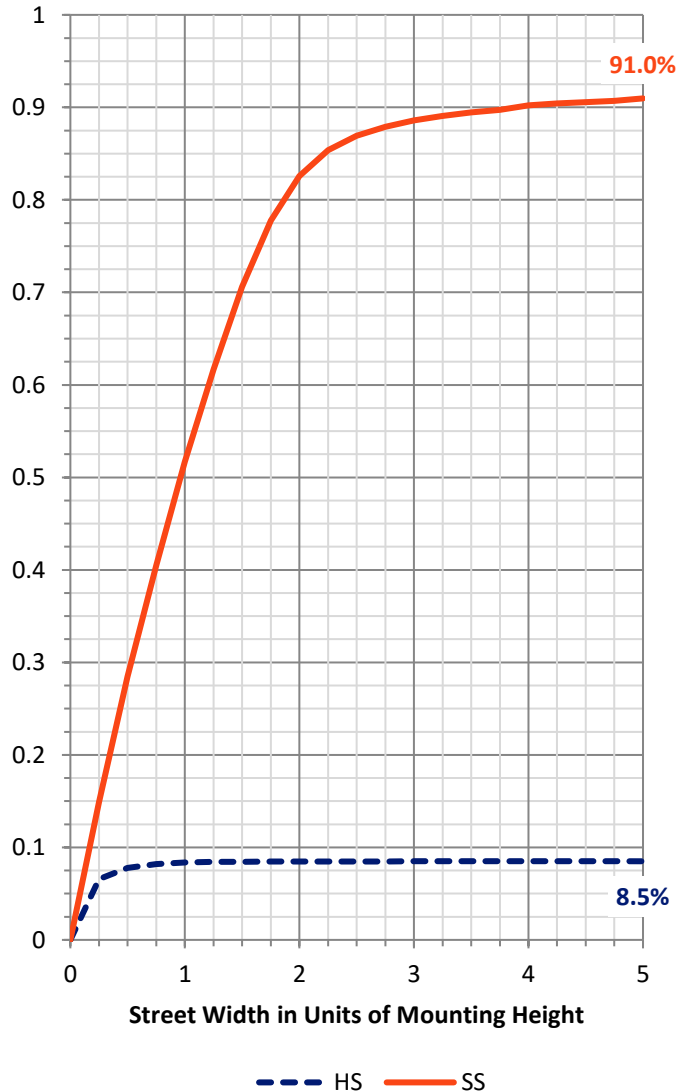
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3348.5	0.0	3348.5
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	35779.5	0.0	35779.5
	% Fixture	91.4	0.0	91.4
Total	Lumens	39128.0	0.0	39128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	945.2	2.4
10°-20°	1983.7	5.1
20°-30°	2607.9	6.7
30°-40°	3453.8	8.8
40°-50°	5162.4	13.2
50°-60°	8270.0	21.1
60°-70°	10424.2	26.6
70°-80°	5622.8	14.4
80°-90°	658.2	1.7
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°	39128.0	100.0
0°-180°	39128.0	100.0

Coefficient of Utilization

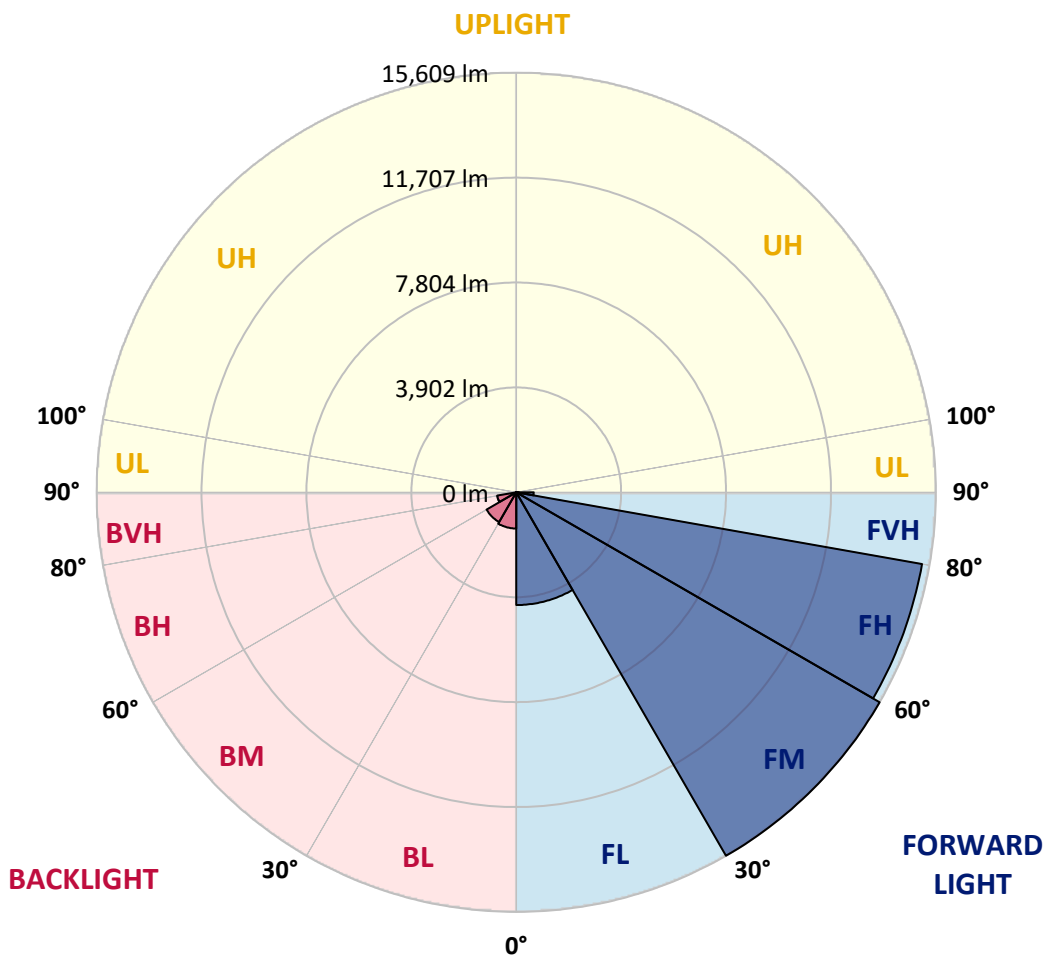


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4191.4	10.7			
FM (30°-60°)	15608.8	39.9			
FH (60°-80°)	15326.9	39.2			G5
FVH (80°-90°)	652.5	1.7			G4/750
BL (0°-30°)	1345.3	3.4	B3/2500		
BM (30°-60°)	1277.4	3.3	B2/2500		
BH (60°-80°)	720.1	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.7	0.0			G0/10
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°	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2
2.5°	12516.5	12485.6	12474.2	12454.7	12379.9	12306.6	12161.8	12121.2	12030.1	11813.7	11584.3
5°	12526.3	12524.7	12558.8	12550.7	12524.7	12490.5	12386.4	12332.7	12178.1	11869.0	11449.2
7.5°	11922.7	11953.6	12030.1	12091.9	12163.5	12256.2	12269.2	12217.2	12090.3	11756.7	11200.3
10°	11112.4	11161.2	11268.6	11390.6	11577.8	11763.2	11929.2	11922.7	11878.7	11550.1	10900.9
12.5°	10300.6	10357.5	10481.2	10661.7	10926.9	11229.6	11525.7	11566.4	11639.6	11364.6	10624.3
15°	9589.6	9638.4	9760.4	9981.7	10310.3	10717.1	11151.5	11226.3	11415.0	11219.8	10393.3
17.5°	8985.9	9016.8	9106.3	9352.0	9732.7	10225.7	10790.3	10936.7	11218.2	11105.9	10193.2
20°	8564.5	8569.4	8628.0	8800.5	9181.2	9732.7	10416.1	10626.0	11009.9	11008.3	9986.5
22.5°	8356.3	8340.0	8351.4	8450.7	8730.5	9262.5	10041.9	10290.8	10822.8	10925.3	9776.7
25°	8317.2	8304.2	8271.7	8284.7	8453.9	8850.9	9664.4	9952.4	10658.5	10874.9	9594.4
27.5°	8439.3	8452.3	8397.0	8338.4	8351.4	8584.1	9329.2	9662.8	10525.1	10874.9	9465.9
30°	8684.9	8691.4	8650.8	8574.3	8471.8	8509.2	9096.6	9430.1	10458.4	10949.7	9384.6
32.5°	8956.6	8992.4	8987.6	8925.7	8779.3	8628.0	9041.3	9345.5	10453.5	11115.7	9376.4
35°	9293.4	9334.1	9402.4	9389.4	9236.5	8987.6	9230.0	9469.2	10549.5	11389.0	9464.3
37.5°	9651.4	9713.2	9859.6	9929.6	9830.3	9548.9	9653.0	9823.8	10806.6	11831.6	9687.2
40°	9997.9	10067.9	10334.7	10609.7	10534.8	10245.2	10294.0	10430.7	11263.7	12467.7	10110.2
42.5°	10338.0	10442.1	10834.2	11286.5	11376.0	11145.0	11171.0	11280.0	11942.2	13343.0	10801.7
45°	10744.7	10861.9	11442.7	12000.8	12239.9	12139.1	12249.7	12321.3	12828.9	14499.8	11733.9
47.5°	11341.8	11476.9	12189.5	12825.7	13245.4	13310.5	13533.4	13580.6	13949.9	15847.0	12949.3
50°	12506.8	12544.2	13188.5	13766.1	14371.3	14761.8	15015.6	15051.4	15306.8	17319.4	14467.3
52.5°	13972.7	13997.1	14361.6	14748.8	15437.0	16234.2	16828.1	16878.5	16932.2	18754.5	15965.8
55°	15428.9	15425.6	15666.4	15894.2	16681.7	17840.1	19128.7	19159.6	18774.0	20116.3	17111.2
57.5°	16338.4	16426.2	16792.3	17085.2	18185.0	19670.5	21458.5	21572.4	20708.5	21125.0	18243.6
60°	16048.8	16091.1	16902.9	17986.5	20057.7	22272.0	23816.1	23845.3	22163.0	22132.1	19675.3
62.5°	13673.3	13696.1	14971.7	17205.6	21006.2	25646.4	26660.1	26183.4	23835.6	23529.7	21388.6
65°	9371.5	9519.6	10585.3	13346.3	19263.7	27763.2	31062.7	30273.6	26385.1	25543.9	22937.5
67.5°	5518.8	5487.9	6015.0	8048.8	14148.4	26357.4	36632.0	35847.7	29862.0	26892.7	22483.5
70°	3769.8	3748.6	3950.4	4872.9	7987.0	20446.5	38384.2	39967.3	32932.2	25984.9	19349.9
72.5°	2691.1	2702.5	3000.2	3786.0	5014.4	11912.9	33008.6	36755.6	31970.6	22652.8	14708.1
75°	1827.1	1858.0	2284.3	3105.9	4396.2	6060.6	23424.0	27940.5	26033.7	16463.6	8453.9
77.5°	982.7	1016.9	1519.6	2502.3	3974.8	4210.7	15067.7	19229.5	16353.0	7401.2	2450.3
80°	410.0	429.5	711.0	1819.0	3434.6	3698.2	8865.5	11660.7	6968.5	1459.4	546.7
82.5°	177.3	187.1	296.1	1085.2	2567.4	3122.2	4693.9	5609.9	2111.8	320.5	275.0
85°	34.2	35.8	122.0	574.3	1638.4	1762.0	3042.5	2982.3	948.5	138.3	200.1
87.5°	0.0	0.0	29.3	180.6	481.6	959.9	1856.4	1833.6	322.1	66.7	74.8
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°	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2	11558.2
2.5°	11467.1	11354.9	11118.9	10827.7	10604.8	10359.1	10163.9	9916.6	9809.2	9814.1	9755.5
5°	11210.0	10979.0	10456.7	9797.8	9290.2	8766.3	8315.6	7866.6	7601.4	7515.1	7433.8
7.5°	10842.3	10476.3	9643.2	8628.0	7768.9	6929.4	6198.9	5556.2	5149.5	4951.0	4877.8
10°	10427.5	9913.3	8707.7	7370.3	6143.6	5007.9	4061.0	3237.7	2909.1	2686.2	2629.2
12.5°	10063.0	9366.7	7793.3	6080.1	4623.9	3254.0	2351.0	1838.5	1615.6	1527.8	1513.1
15°	9719.7	8855.8	6913.1	4911.9	3201.9	2002.8	1495.2	1321.1	1269.1	1254.4	1254.4
17.5°	9395.9	8369.3	6052.4	3761.6	2118.4	1404.1	1238.1	1199.1	1182.8	1181.2	1182.8
20°	9057.5	7882.8	5206.4	2756.1	1478.9	1189.3	1143.8	1122.6	1117.8	1117.8	1117.8
22.5°	8733.7	7396.4	4383.1	1968.7	1186.1	1085.2	1062.4	1047.8	1042.9	1041.3	1038.0
25°	8423.0	6934.3	3579.4	1391.1	1041.3	994.1	974.6	955.1	940.4	932.3	927.4
27.5°	8167.6	6522.7	2831.0	1116.1	940.4	899.7	875.3	846.0	810.2	794.0	787.5
30°	7964.2	6146.8	2181.8	942.0	846.0	805.4	767.9	717.5	665.4	637.8	636.2
32.5°	7804.7	5777.5	1656.3	833.0	761.4	711.0	657.3	593.9	533.7	502.7	501.1
35°	7726.6	5452.1	1265.8	753.3	686.6	623.1	556.4	486.5	427.9	398.6	395.4
37.5°	7778.7	5177.1	987.6	686.6	623.1	549.9	471.8	398.6	346.6	320.5	318.9
40°	7969.1	5001.4	802.1	629.6	569.5	480.0	395.4	327.0	283.1	261.9	260.3
42.5°	8374.2	4936.3	685.0	582.5	517.4	414.9	328.7	270.1	229.4	214.8	211.5
45°	9051.0	5032.3	605.2	536.9	463.7	353.1	271.7	221.3	185.5	174.1	172.5
47.5°	9952.4	5284.5	548.3	493.0	414.9	297.7	226.2	179.0	151.3	139.9	138.3
50°	11114.1	5684.7	501.1	449.1	369.3	252.2	187.1	141.5	117.1	109.0	109.0
52.5°	12378.2	6161.5	458.8	408.4	323.8	209.9	151.3	109.0	92.7	83.0	83.0
55°	13422.8	6578.0	413.3	377.5	268.5	174.1	115.5	83.0	68.3	63.5	63.5
57.5°	14465.7	7022.1	361.2	323.8	214.8	141.5	87.9	61.8	50.4	47.2	47.2
60°	15817.7	7565.6	310.8	263.6	169.2	107.4	65.1	43.9	37.4	35.8	35.8
62.5°	17304.8	7884.5	265.2	211.5	131.8	79.7	47.2	29.3	27.7	27.7	26.0
65°	18214.3	7433.8	222.9	169.2	102.5	60.2	30.9	21.2	24.4	22.8	19.5
67.5°	17054.2	5819.8	182.2	131.8	79.7	45.6	19.5	14.6	26.0	21.2	16.3
70°	14120.8	4074.0	141.5	92.7	63.5	39.0	13.0	9.8	27.7	21.2	13.0
72.5°	10567.4	2726.9	112.3	61.8	47.2	34.2	11.4	4.9	24.4	17.9	11.4
75°	5774.2	1098.2	89.5	39.0	29.3	24.4	8.1	3.3	16.3	13.0	8.1
77.5°	1519.6	289.6	65.1	26.0	16.3	9.8	4.9	1.6	8.1	6.5	3.3
80°	387.2	112.3	42.3	17.9	11.4	4.9	0.0	0.0	1.6	0.0	0.0
82.5°	206.6	47.2	26.0	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	156.2	30.9	14.6	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	60.2	9.8	4.9	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)