

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: McGRAW-EDISON

Report Number: P532888

Luminaire Tested: **GALN-SA8B-735-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-735-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36211 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

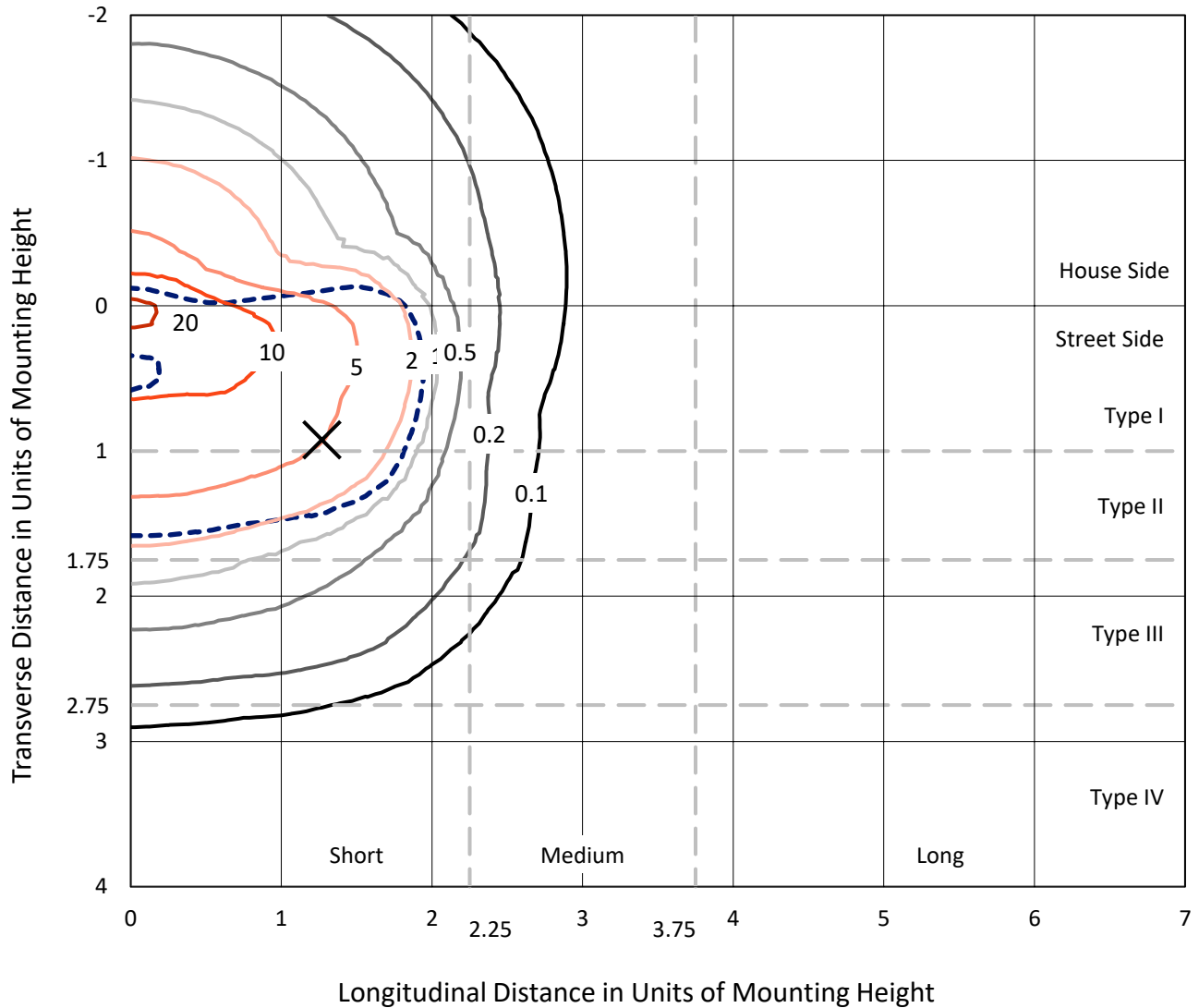
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532888
 CATALOG NUMBER: GALN-SA8B-735-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

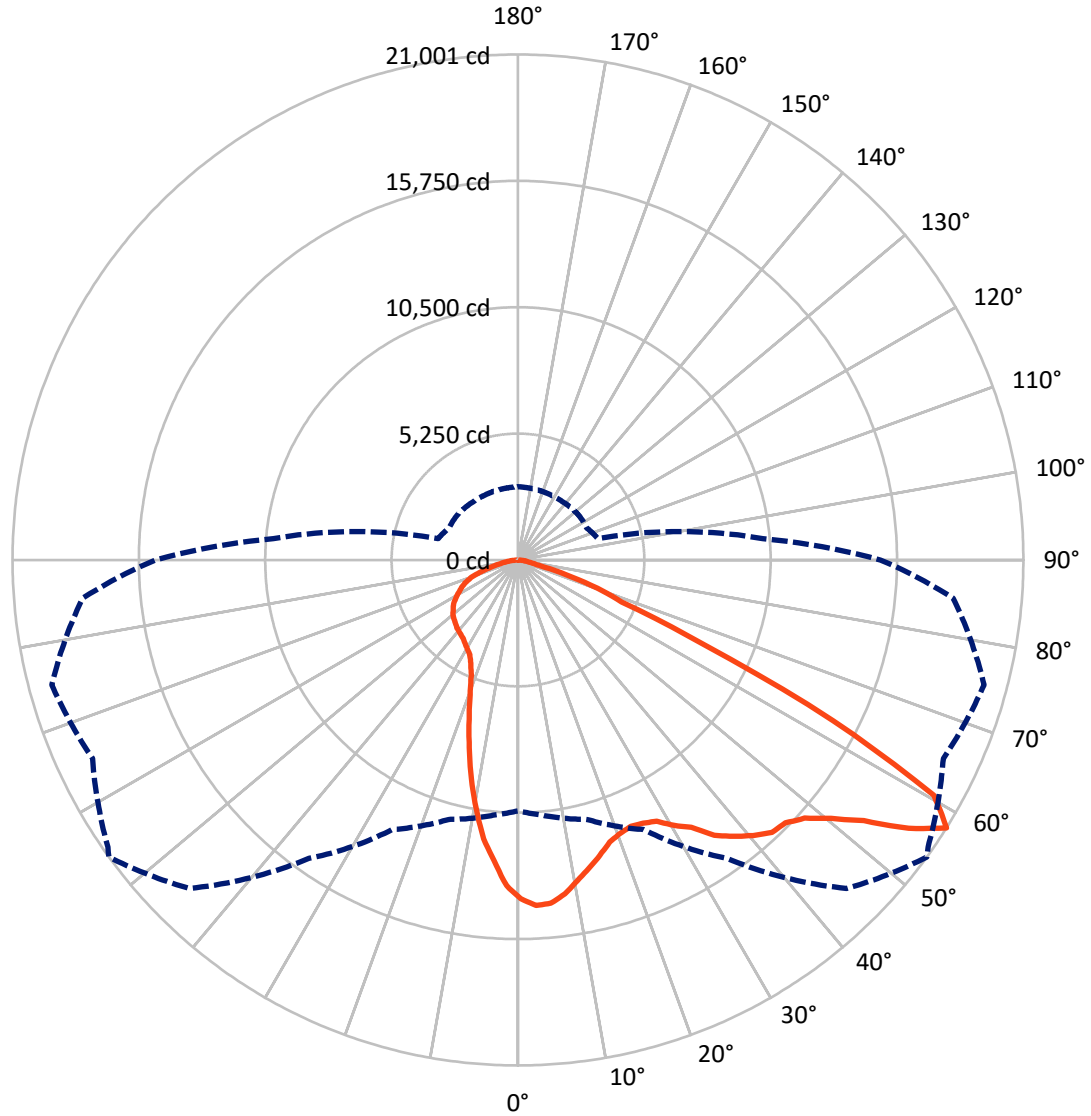
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.5 fc
 Type II - Short - N/A

REPORT NUMBER: P532888
CATALOG NUMBER: GALN-SA8B-735-U-SL3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P532888

CATALOG NUMBER: GALN-SA8B-735-U-SL3-GRSWH

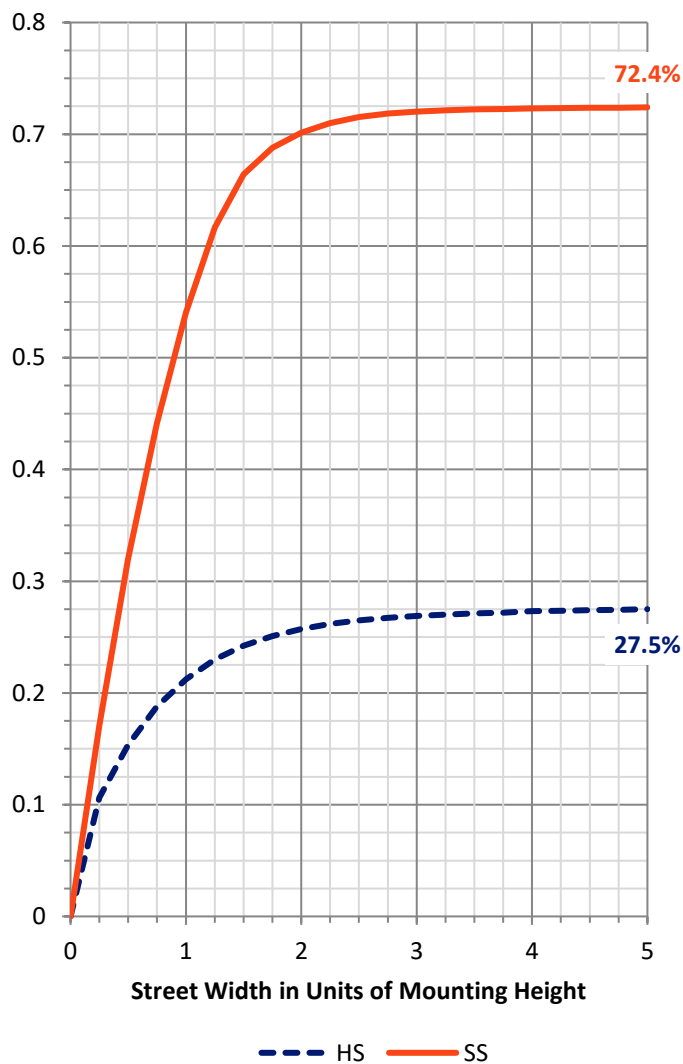
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10018.0	0.0	10018.0
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	26193.0	0.0	26193.0
	% Fixture	72.3	0.0	72.3
Total	Lumens	36211.0	0.0	36211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1213.8	3.4
10°-20°	2810.4	7.8
20°-30°	3948.7	10.9
30°-40°	5520.3	15.2
40°-50°	7473.4	20.6
50°-60°	9103.0	25.1
60°-70°	4741.2	13.1
70°-80°	1214.9	3.4
80°-90°	185.3	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°	36211.0	100.0
0°-180°	36211.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532888

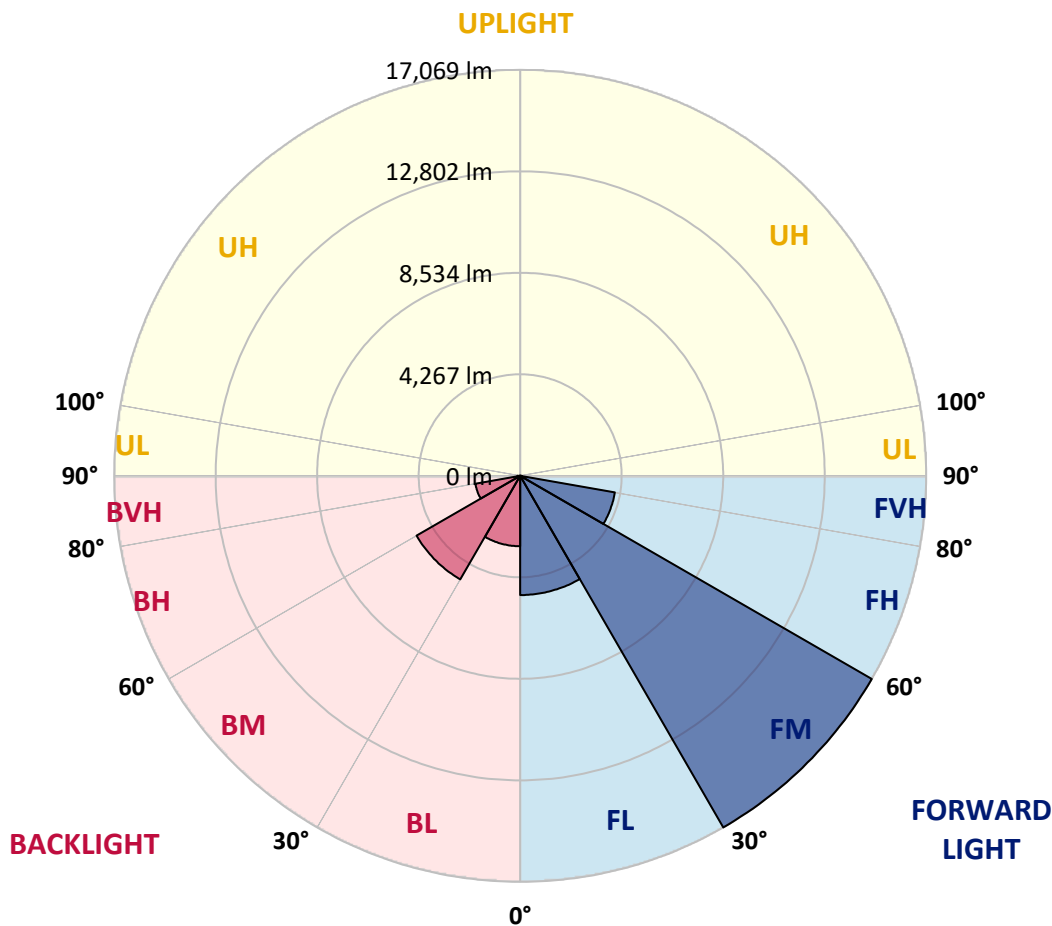
CATALOG NUMBER: GALN-SA8B-735-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5012.1	13.8			
FM (30°-60°)	17068.7	47.1			
FH (60°-80°)	4042.2	11.2			G2/5000
FVH (80°-90°)	70.0	0.2			G1/100
BL (0°-30°)	2960.8	8.2	B4/5000		
BM (30°-60°)	5027.9	13.9	B4/8500		
BH (60°-80°)	1913.9	5.3	B3/2500		G3/2500
BVH (80°-90°)	115.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





REPORT NUMBER: P532888

CATALOG NUMBER: GALN-SA8B-735-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8
2.5°	14475.1	14419.2	14428.5	14503.0	14409.9	14372.7	14372.7	14191.2	14205.1	14079.5	14046.9
5°	14140.0	14009.6	14098.1	14209.8	14228.4	14265.6	14326.1	14279.6	14149.3	14014.3	13795.5
7.5°	13264.9	13381.3	13413.9	13493.0	13660.6	13814.2	14005.0	13874.7	13870.0	13735.0	13604.7
10°	12497.0	12427.2	12604.0	12720.4	12999.6	13255.6	13548.9	13534.9	13604.7	13451.1	13227.7
12.5°	11733.7	11677.8	11761.6	12026.9	12417.8	12790.2	13139.3	13009.0	13381.3	13353.4	12874.0
15°	10923.8	10965.7	11086.7	11333.4	11845.4	12292.2	12734.3	12739.0	13069.5	13181.2	12538.9
17.5°	10356.0	10309.4	10463.0	10830.7	11286.8	11822.1	12324.8	12427.2	12934.5	12999.6	12436.5
20°	9932.4	9997.6	10197.7	10383.9	10909.8	11556.8	12124.6	12161.9	12906.6	13083.4	12273.6
22.5°	9830.0	9792.8	9857.9	10160.5	10593.3	11296.1	12017.6	12157.2	12901.9	13055.5	11966.4
25°	9723.0	9844.0	9839.3	10141.9	10458.4	11086.7	12106.0	12259.6	13148.6	13199.8	12008.3
27.5°	9965.0	9951.0	10081.4	10104.6	10495.6	11142.6	12292.2	12408.5	13558.2	13516.3	12040.8
30°	10207.0	10137.2	10216.3	10490.9	10672.5	11463.7	12804.2	12794.9	14088.8	14060.8	12143.2
32.5°	10504.9	10472.3	10523.5	10765.5	11072.7	11891.9	13237.0	13511.6	14628.7	14805.5	12497.0
35°	10560.8	10695.7	10816.7	11142.6	11580.1	12585.4	14051.5	14279.6	15252.4	15806.2	13171.9
37.5°	10914.5	10965.7	11249.6	11826.7	12227.0	13511.6	14568.2	14712.4	15820.2	16448.5	13884.0
40°	11291.5	11352.0	11780.2	12385.3	12934.5	14116.7	15052.2	15098.8	16001.7	16941.9	14349.4
42.5°	11803.5	11859.3	12282.9	13041.5	13776.9	14633.3	15480.4	15531.6	15987.7	17509.7	15089.5
45°	12334.1	12469.0	12967.1	13828.1	14489.0	15238.4	15578.2	15787.6	16118.1	18017.0	15689.9
47.5°	13078.8	13204.4	13614.0	14456.5	15229.1	15769.0	16029.6	16234.4	16429.9	18459.2	16076.2
50°	13870.0	13893.3	14391.3	15154.6	15722.4	16369.4	16872.1	16941.9	16839.5	18971.2	16732.4
52.5°	14451.8	14526.3	14912.6	15657.3	16504.4	17300.3	17989.1	18063.6	17863.5	19162.0	16955.9
55°	13488.4	13446.5	14074.8	15066.2	17030.3	18687.3	19688.0	19743.8	18608.2	19753.1	17686.6
57.5°	10425.8	10625.9	11161.2	12357.3	15131.3	19301.7	21000.5	20800.4	19501.8	20051.0	18152.0
60°	7577.3	7530.8	7889.1	8689.7	11403.2	16634.7	19855.5	20060.3	18771.1	18072.9	14968.4
62.5°	6171.7	6106.5	6134.5	6162.4	7358.6	11040.2	14698.5	14693.8	14456.5	12990.3	10095.3
65°	4933.6	5087.2	5101.2	5310.6	5464.2	6595.2	8517.5	8973.6	7814.7	6409.1	4649.7
67.5°	3718.8	3663.0	3849.2	4593.9	4882.4	4761.4	4649.7	4700.9	3341.8	2411.0	2271.3
70°	2192.2	2168.9	2392.3	3202.2	4021.4	3784.0	3504.7	3509.4	2294.6	1684.9	1875.7
72.5°	1200.8	1196.2	1242.7	1624.4	2285.3	2373.7	2103.8	2168.9	1368.4	1363.7	1466.1
75°	670.2	656.3	642.3	716.8	823.8	870.4	889.0	898.3	940.2	1051.9	1093.8
77.5°	246.7	237.4	237.4	274.6	349.1	437.5	553.9	563.2	665.6	763.3	805.2
80°	83.8	93.1	125.7	172.2	232.7	311.8	377.0	386.3	470.1	535.3	549.2
82.5°	51.2	55.9	83.8	121.0	167.6	218.8	279.3	283.9	349.1	391.0	409.6
85°	23.3	27.9	46.5	74.5	107.1	144.3	148.9	148.9	144.3	148.9	139.6
87.5°	0.0	0.0	9.3	9.3	9.3	14.0	18.6	14.0	23.3	27.9	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



REPORT NUMBER: P532888

CATALOG NUMBER: GALN-SA8B-735-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8	14074.8
2.5°	13949.1	13897.9	13739.7	13600.1	13558.2	13372.0	13097.4	13130.0	12929.8	13022.9	12925.2
5°	13758.3	13586.1	13181.2	13009.0	12557.5	12352.7	12213.1	11864.0	11701.1	11668.5	11528.9
7.5°	13269.6	13162.5	12655.2	12189.8	11710.4	11300.8	10774.9	10416.5	10160.5	10090.7	9885.9
10°	12883.3	12645.9	11943.1	11235.6	10551.4	9839.3	9155.1	8619.9	8359.2	8056.7	7954.3
12.5°	12501.6	12143.2	11193.7	10286.1	9401.8	8503.5	7675.0	7023.4	6455.6	6320.6	6274.1
15°	12264.3	11640.6	10523.5	9429.7	8173.1	7000.2	6171.7	5743.5	5394.4	5250.1	5352.5
17.5°	11952.4	11226.3	9881.2	8424.4	7042.1	5962.2	5268.7	5003.4	4877.8	4891.7	4849.8
20°	11561.4	10835.4	9038.8	7512.1	6032.1	5171.0	4775.4	4677.6	4696.3	4728.8	4714.9
22.5°	11282.2	10360.6	8429.1	6581.3	5212.9	4733.5	4570.6	4500.8	4561.3	4589.2	4565.9
25°	11068.1	9955.7	7689.0	5757.4	4738.1	4486.8	4412.3	4407.7	4500.8	4538.0	4514.7
27.5°	10872.6	9578.7	6953.6	5129.1	4421.6	4296.0	4272.7	4328.6	4389.1	4426.3	4458.9
30°	10756.2	9290.1	6264.8	4603.2	4263.4	4202.9	4161.0	4212.2	4244.8	4282.0	4263.4
32.5°	10867.9	9085.3	5599.2	4305.3	4133.1	4072.6	4128.4	4095.8	4151.7	4184.3	4133.1
35°	11217.0	8903.8	5124.5	4147.0	3984.1	4007.4	4016.7	4002.8	4026.0	3998.1	4058.6
37.5°	11561.4	8838.6	4686.9	4012.1	3914.3	3914.3	3905.0	3877.1	3923.6	3914.3	3942.2
40°	11999.0	8880.5	4314.6	3867.8	3849.2	3839.9	3802.6	3798.0	3779.3	3784.0	3793.3
42.5°	12380.6	8973.6	4100.5	3774.7	3788.7	3807.3	3737.5	3681.6	3704.9	3658.3	3658.3
45°	12785.5	9057.4	3909.7	3709.5	3695.6	3690.9	3635.1	3602.5	3583.9	3588.5	3630.4
47.5°	13423.2	9178.4	3765.4	3621.1	3630.4	3560.6	3546.6	3504.7	3523.4	3551.3	3555.9
50°	13874.7	9434.4	3653.7	3518.7	3551.3	3504.7	3421.0	3402.3	3402.3	3448.9	3439.6
52.5°	14191.2	9792.8	3546.6	3407.0	3421.0	3383.7	3355.8	3313.9	3286.0	3351.1	3383.7
55°	15159.3	10388.5	3518.7	3313.9	3309.3	3272.0	3220.8	3178.9	3165.0	3174.3	3239.4
57.5°	15066.2	10202.4	3430.3	3151.0	3141.7	3090.5	3039.3	3025.3	3020.7	3030.0	3048.6
60°	12231.7	7535.4	3062.6	2964.8	2950.9	2941.6	2890.4	2834.5	2806.6	2834.5	2811.2
62.5°	8093.9	5045.3	2699.5	2741.4	2750.7	2727.5	2643.7	2587.8	2597.1	2629.7	2578.5
65°	3974.8	2964.8	2448.2	2559.9	2569.2	2504.0	2424.9	2359.8	2327.2	2355.1	2331.8
67.5°	2271.3	2266.7	2243.4	2359.8	2355.1	2289.9	2164.3	2108.4	2052.6	2061.9	2047.9
70°	1926.9	1964.1	2010.7	2080.5	2075.8	2001.4	1852.4	1810.5	1731.4	1722.1	1698.8
72.5°	1517.3	1582.5	1684.9	1736.1	1694.2	1601.1	1503.4	1433.5	1363.7	1321.8	1335.8
75°	1126.4	1219.4	1275.3	1307.9	1242.7	1191.5	1112.4	1028.6	944.8	907.6	893.6
77.5°	819.2	847.1	898.3	921.6	879.7	828.5	781.9	698.2	619.0	567.8	553.9
80°	572.5	591.1	628.3	628.3	628.3	605.1	544.6	460.8	409.6	363.0	353.7
82.5°	400.3	418.9	456.1	437.5	432.9	404.9	367.7	302.5	246.7	214.1	204.8
85°	139.6	153.6	186.2	223.4	237.4	232.7	209.4	167.6	130.3	107.1	97.7
87.5°	32.6	32.6	37.2	32.6	32.6	37.2	32.6	32.6	32.6	23.3	18.6
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)