

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: P647493

Luminaire Tested: **GALN-SA6D-835-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647493
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: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA 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: 21005.5 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

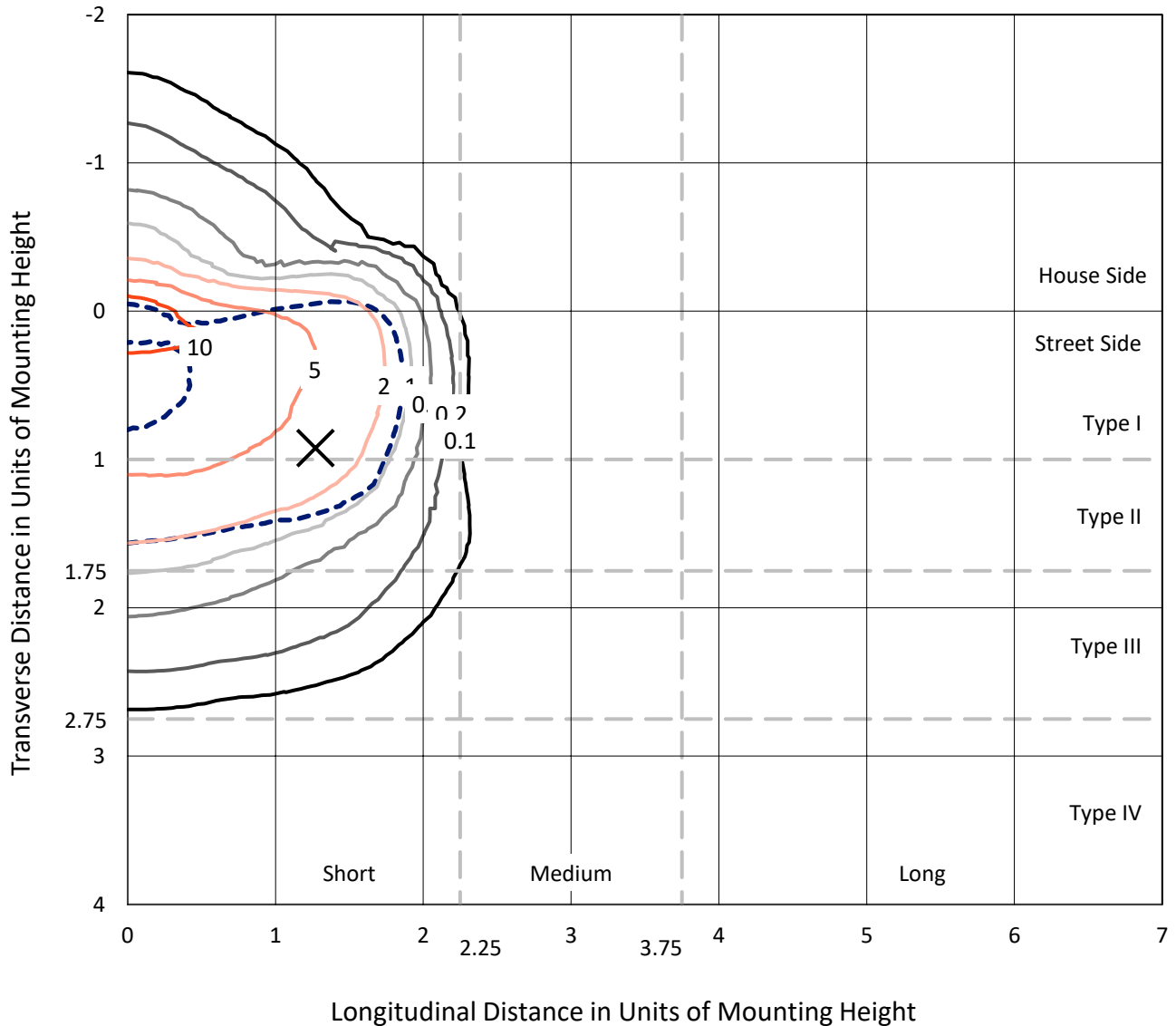
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647493
 CATALOG NUMBER: GALN-SA6D-835-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

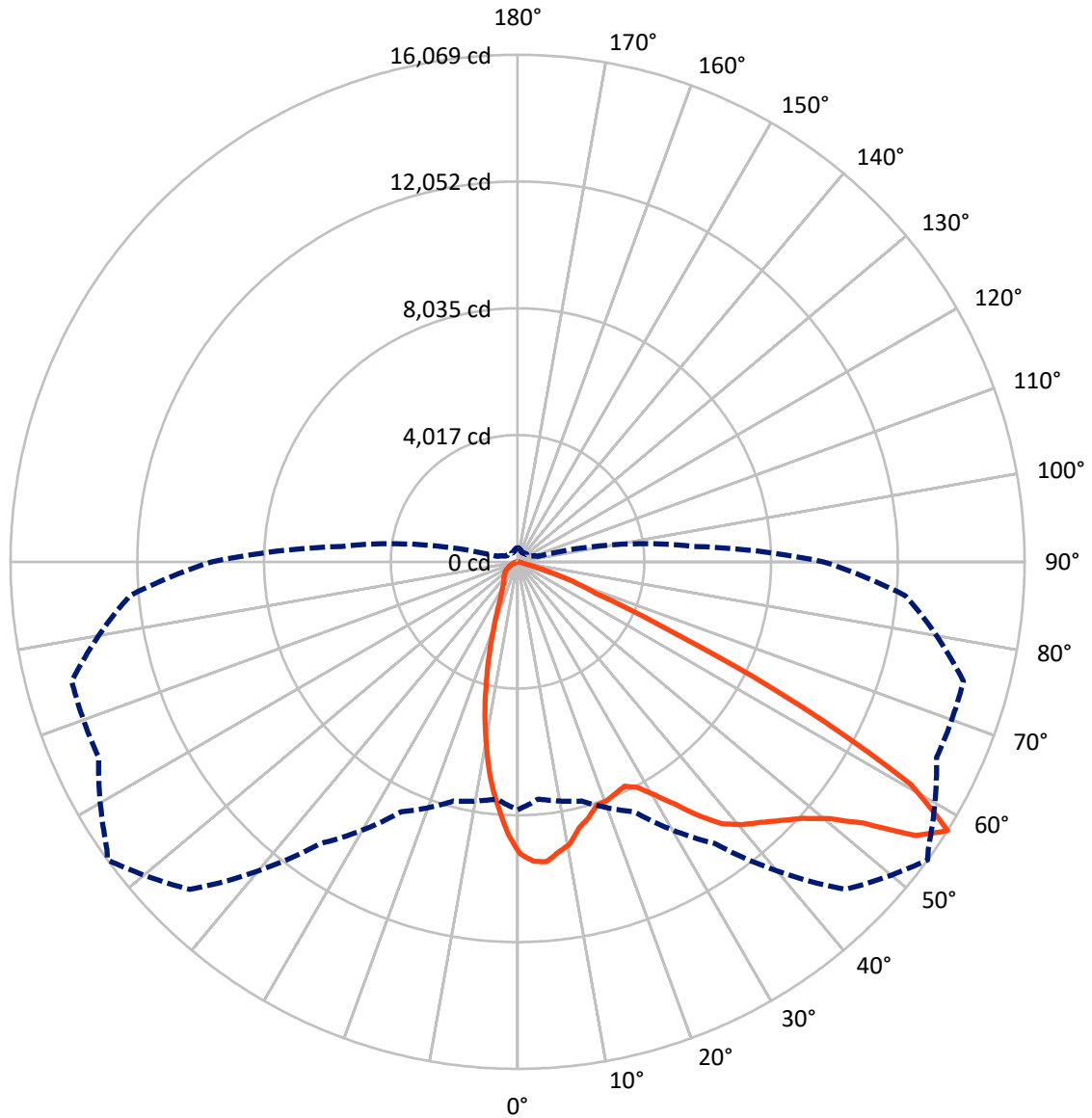
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - N/A

REPORT NUMBER: P647493
CATALOG NUMBER: GALN-SA6D-835-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P647493
 CATALOG NUMBER: GALN-SA6D-835-U-SL3-GRSBK

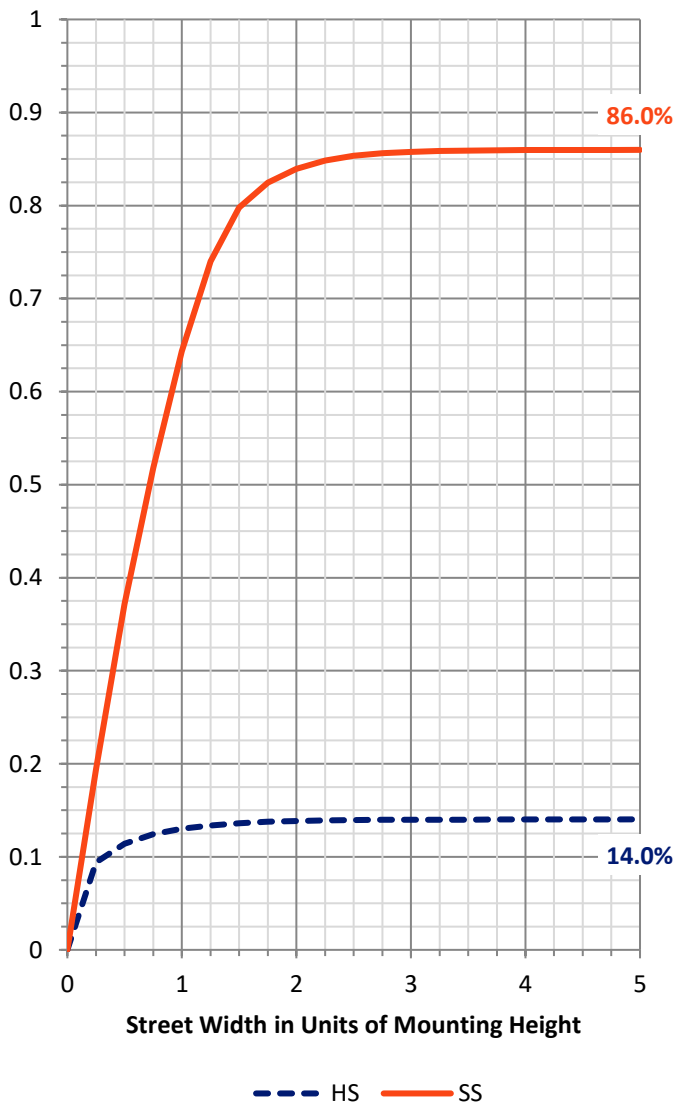
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2968.4	0.0	2968.4
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	18037.1	0.0	18037.1
	% Fixture	85.9	0.0	85.9
Total	Lumens	21005.5	0.0	21005.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.3	3.7
10°-20°	1653.2	7.9
20°-30°	2190.8	10.4
30°-40°	3183.8	15.2
40°-50°	4721.2	22.5
50°-60°	5903.6	28.1
60°-70°	2328.7	11.1
70°-80°	231.9	1.1
80°-90°	18.0	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°	21005.5	100.0
0°-180°	21005.5	100.0

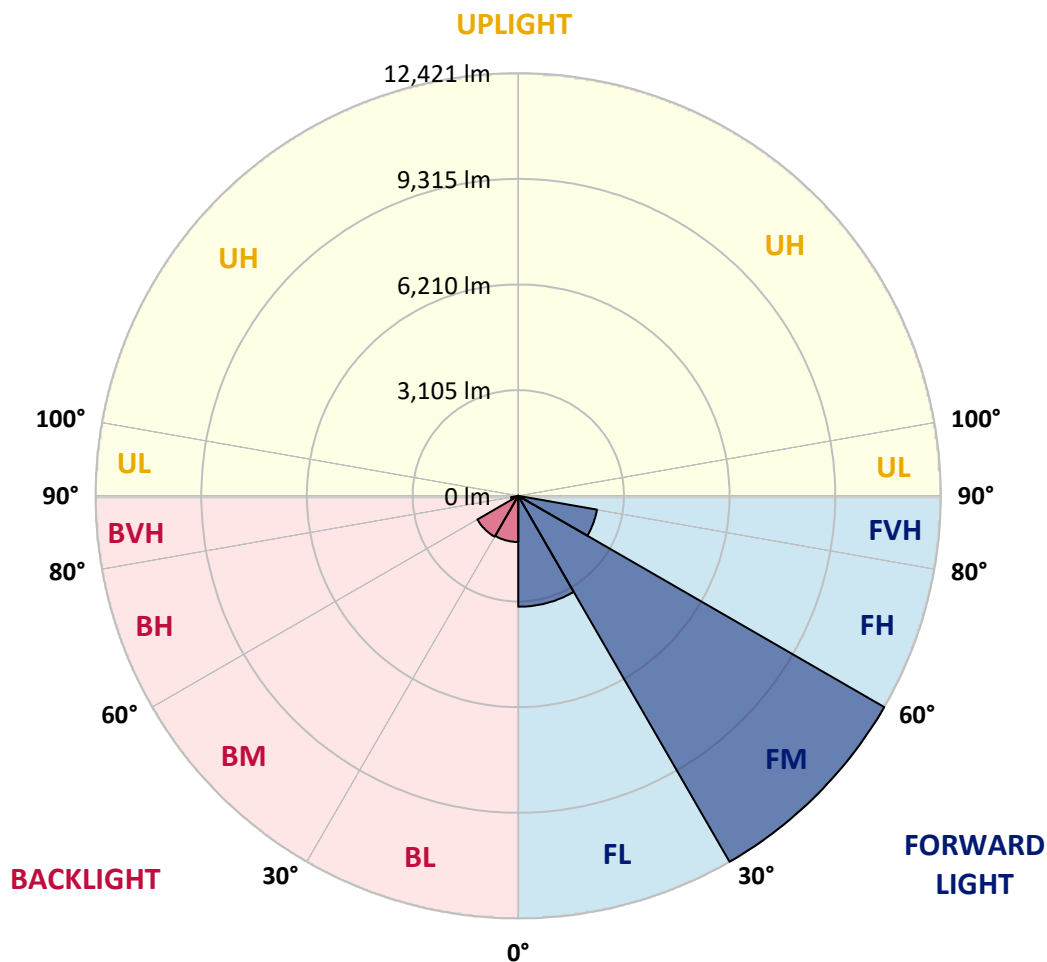


REPORT NUMBER: P647493
 CATALOG NUMBER: GALN-SA6D-835-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3260.7	15.5			
FM (30°-60°)	12420.5	59.1			
FH (60°-80°)	2347.7	11.2			G2/5000
FVH (80°-90°)	8.2	0.0			G0/10
BL (0°-30°)	1357.6	6.5	B3/2500		
BM (30°-60°)	1388.1	6.6	B2/2500		
BH (60°-80°)	212.9	1.0	B1/500		G1/500
BVH (80°-90°)	9.8	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-G2
 Type II Short





REPORT NUMBER: P647493

CATALOG NUMBER: GALN-SA6D-835-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3
2.5°	9792.3	9690.7	9698.5	9663.3	9616.5	9651.6	9499.3	9534.4	9530.5	9323.5	9186.9
5°	9546.2	9655.6	9542.3	9636.0	9546.2	9643.8	9550.1	9479.8	9366.5	9214.2	8960.3
7.5°	9128.2	9022.7	9054.0	9171.2	9190.7	9409.5	9292.3	9382.1	9335.2	9034.5	8686.8
10°	8288.4	8265.0	8421.2	8577.5	8768.9	9003.2	9093.1	9042.3	9007.2	8893.9	8429.1
12.5°	7644.0	7710.4	7706.4	7964.3	8288.4	8421.2	8655.6	8647.8	8843.1	8632.2	8186.9
15°	7030.7	7065.9	7229.9	7390.1	7749.4	8128.3	8417.3	8456.4	8690.8	8542.4	7999.4
17.5°	6655.7	6605.0	6733.9	6925.2	7292.4	7788.5	8108.7	8202.6	8522.8	8491.6	7784.6
20°	6284.7	6284.7	6390.1	6616.7	6952.6	7511.2	8081.4	8054.1	8522.8	8433.0	7554.1
22.5°	6159.7	6222.2	6249.5	6421.4	6819.8	7300.2	7964.3	8015.0	8589.2	8405.7	7452.6
25°	6331.6	6249.5	6257.3	6394.1	6769.0	7198.7	7878.3	7991.6	8710.3	8542.4	7370.5
27.5°	6358.9	6441.0	6464.4	6558.1	6808.1	7229.9	8093.2	8323.6	9011.1	8862.6	7393.9
30°	6597.2	6679.2	6675.3	6835.4	7007.3	7483.8	8573.6	8620.4	9632.1	9264.9	7538.5
32.5°	6886.2	6972.1	6999.5	7187.0	7323.7	7948.6	9159.5	9280.6	10229.7	9897.7	7917.4
35°	7245.6	7214.3	7339.3	7526.8	7819.7	8628.3	9874.3	10077.4	10874.2	10717.9	8307.9
37.5°	7694.8	7655.7	7776.8	8081.4	8479.8	9432.9	10534.4	10667.2	11342.9	11479.6	9030.6
40°	8011.1	8026.8	8393.9	8804.1	9225.9	10198.5	10952.3	11081.3	11671.0	12190.5	9577.4
42.5°	8538.5	8636.1	9077.5	9577.4	10018.8	10772.7	11292.1	11417.2	11823.4	12760.8	10315.6
45°	9304.0	9261.0	9749.3	10307.8	10796.1	11370.3	11694.4	11651.5	11913.2	13327.1	10780.4
47.5°	10288.3	10296.1	10620.3	11096.8	11604.6	11889.8	12143.6	11991.3	12100.6	13924.7	11401.5
50°	10960.1	11018.7	11280.4	11768.6	12022.6	12460.0	12784.2	12690.5	12655.3	14284.1	11792.1
52.5°	11132.0	11307.8	11448.4	12057.7	12651.4	13342.8	13756.8	13956.0	13331.0	14405.2	12288.2
55°	9835.2	9991.5	10487.5	11323.4	12889.7	14741.1	15311.4	15315.2	14213.8	14944.2	12635.8
57.5°	7862.7	7546.3	7851.0	8737.7	10897.6	14682.5	16069.1	15885.6	14655.2	14627.8	12335.0
60°	5437.1	5359.0	5378.5	5730.1	7542.4	11678.8	14319.3	14557.5	13495.1	12678.7	9764.9
62.5°	4308.3	4241.9	4155.9	4116.9	4683.3	7276.8	10100.8	10436.8	9436.8	8222.0	5788.6
65°	3374.7	3335.7	3347.4	3503.6	3499.8	4128.6	5523.0	5386.3	4312.2	3187.3	1820.2
67.5°	2277.2	2335.8	2382.7	2855.3	3097.4	2874.8	2667.8	2589.6	1402.3	589.8	402.3
70°	1281.1	1289.0	1339.7	1785.0	2351.4	2230.3	1839.7	1839.7	699.1	214.9	230.4
72.5°	699.1	675.7	628.8	769.5	1046.8	1062.5	820.3	714.8	207.0	140.6	128.9
75°	339.8	335.9	289.0	238.3	226.5	187.5	144.5	132.8	93.7	89.8	78.1
77.5°	70.3	66.4	35.2	35.2	39.1	43.0	54.7	54.7	66.4	66.4	54.7
80°	0.0	0.0	3.9	15.7	27.3	39.1	46.9	46.9	54.7	54.7	43.0
82.5°	0.0	0.0	3.9	11.7	23.4	35.2	43.0	46.9	54.7	58.6	46.9
85°	0.0	0.0	0.0	7.8	19.5	27.3	23.4	23.4	19.5	15.7	7.8
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



REPORT NUMBER: P647493

CATALOG NUMBER: GALN-SA6D-835-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3	9253.3
2.5°	9116.5	9108.7	8929.0	8827.5	8643.9	8483.7	8354.8	8261.1	8261.1	8202.6	8147.8
5°	8858.7	8792.3	8409.5	8163.5	7815.8	7558.1	7382.3	7245.6	7030.7	7089.3	6858.8
7.5°	8538.5	8370.5	7862.7	7487.8	7007.3	6640.2	6265.2	5933.2	5612.9	5468.3	5546.5
10°	8194.7	7901.7	7218.2	6624.5	6026.9	5355.1	4917.6	4386.4	4058.3	4038.8	3952.8
12.5°	7831.5	7499.4	6667.5	5847.2	5062.1	4253.6	3585.7	3089.6	2867.0	2620.9	2667.8
15°	7558.1	7065.9	6054.2	5066.0	4023.1	3206.8	2535.0	2152.2	1941.3	1882.6	1863.1
17.5°	7261.2	6733.9	5429.3	4234.1	3156.0	2308.4	1824.1	1640.5	1558.5	1558.5	1546.7
20°	6952.6	6358.9	4808.2	3460.7	2367.0	1722.5	1460.8	1402.3	1398.4	1394.4	1394.4
22.5°	6749.5	5929.3	4245.8	2749.8	1785.0	1378.8	1269.4	1246.0	1261.6	1308.5	1308.5
25°	6534.7	5515.2	3624.7	2120.9	1382.7	1183.5	1121.0	1136.6	1175.7	1218.7	1203.0
27.5°	6315.9	5245.7	3038.8	1664.0	1132.8	1035.0	1011.6	1046.8	1089.8	1128.9	1117.1
30°	6265.2	4956.7	2484.2	1261.6	972.6	902.3	917.9	949.2	992.1	1007.7	1023.4
32.5°	6343.3	4730.1	2035.0	1035.0	847.6	828.1	828.1	843.7	871.0	906.2	894.5
35°	6565.9	4601.2	1609.2	898.3	777.3	757.8	753.9	769.5	785.1	796.8	785.1
37.5°	6905.7	4499.7	1316.3	796.8	730.4	699.1	691.4	687.5	703.1	707.0	714.8
40°	7339.3	4554.3	1117.1	734.3	683.6	648.4	625.0	625.0	625.0	636.7	640.6
42.5°	7808.0	4628.5	964.7	699.1	640.6	597.6	574.2	566.3	574.2	589.8	585.9
45°	8300.2	4773.1	867.1	644.5	601.5	546.8	515.6	507.8	527.3	558.5	554.7
47.5°	8761.1	4980.1	792.9	609.3	562.4	511.7	472.6	464.8	499.9	542.9	546.8
50°	9221.9	5339.4	765.5	582.0	535.1	476.5	441.4	433.5	472.6	527.3	539.0
52.5°	9753.2	5726.2	746.0	546.8	503.9	449.2	410.1	402.3	445.3	515.6	519.5
55°	10100.8	6054.2	730.4	484.4	445.3	406.2	375.0	371.1	418.0	480.4	496.0
57.5°	9694.6	5597.3	675.7	421.9	378.9	359.3	332.0	332.0	371.1	429.6	441.4
60°	7351.0	3683.3	480.4	339.8	320.3	308.6	296.8	296.8	328.1	371.1	375.0
62.5°	4304.4	1984.2	308.6	273.4	273.4	261.7	242.2	242.2	273.4	296.8	300.8
65°	1277.2	636.7	250.0	234.4	230.4	210.9	191.4	187.5	210.9	222.6	218.8
67.5°	367.1	292.9	207.0	195.3	191.4	160.1	148.5	144.5	148.5	140.6	136.7
70°	218.8	199.2	160.1	164.0	144.5	117.2	105.5	101.6	93.7	82.1	74.2
72.5°	121.1	121.1	117.2	125.0	101.6	78.1	66.4	54.7	43.0	35.2	31.2
75°	74.2	78.1	82.1	85.9	66.4	50.7	43.0	27.3	15.7	7.8	7.8
77.5°	50.7	54.7	58.6	62.5	54.7	46.9	35.2	19.5	3.9	0.0	0.0
80°	39.1	43.0	50.7	54.7	58.6	62.5	46.9	19.5	3.9	0.0	0.0
82.5°	43.0	46.9	58.6	54.7	54.7	54.7	43.0	19.5	3.9	0.0	0.0
85°	7.8	11.7	19.5	19.5	27.3	35.2	27.3	7.8	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)