

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: P534015

Luminaire Tested: **GALN-SA9C-727-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9C-727-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31831 lumens  
Efficiency: N/A  
Efficacy: 66.2 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

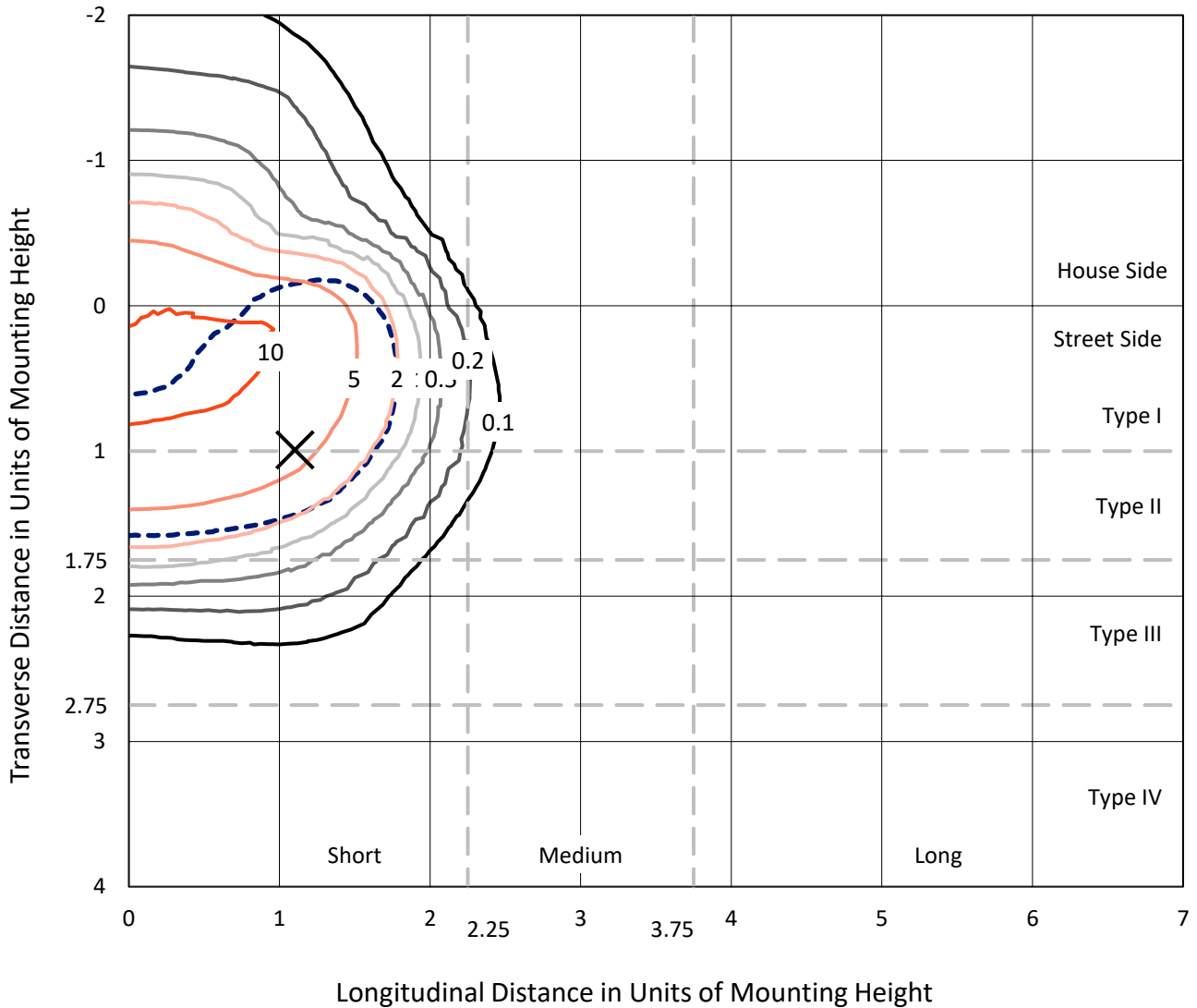
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P534015  
 CATALOG NUMBER: GALN-SA9C-727-U-T3-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

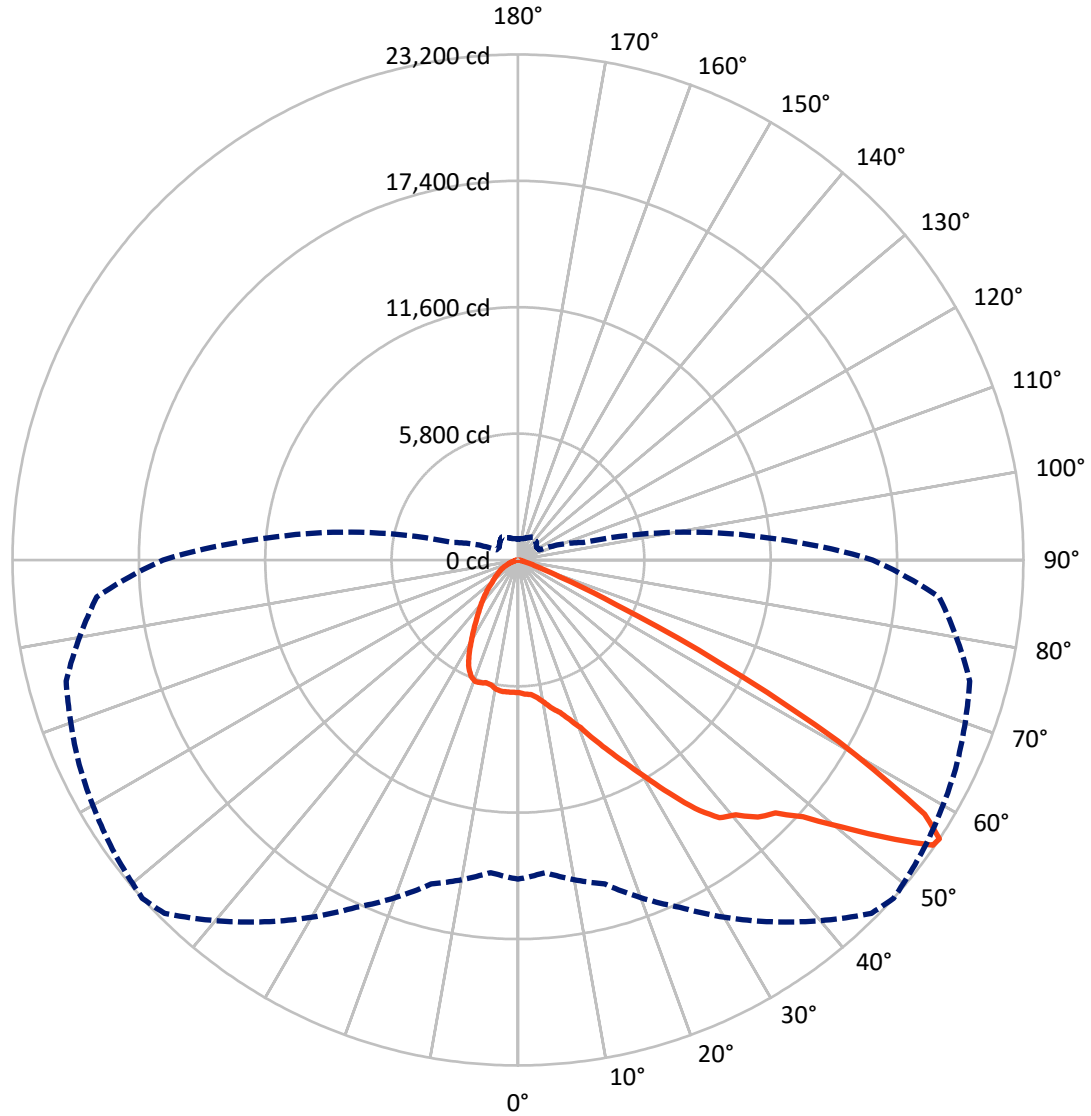
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P534015  
CATALOG NUMBER: GALN-SA9C-727-U-T3-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P534015  
 CATALOG NUMBER: GALN-SA9C-727-U-T3-GRSBK

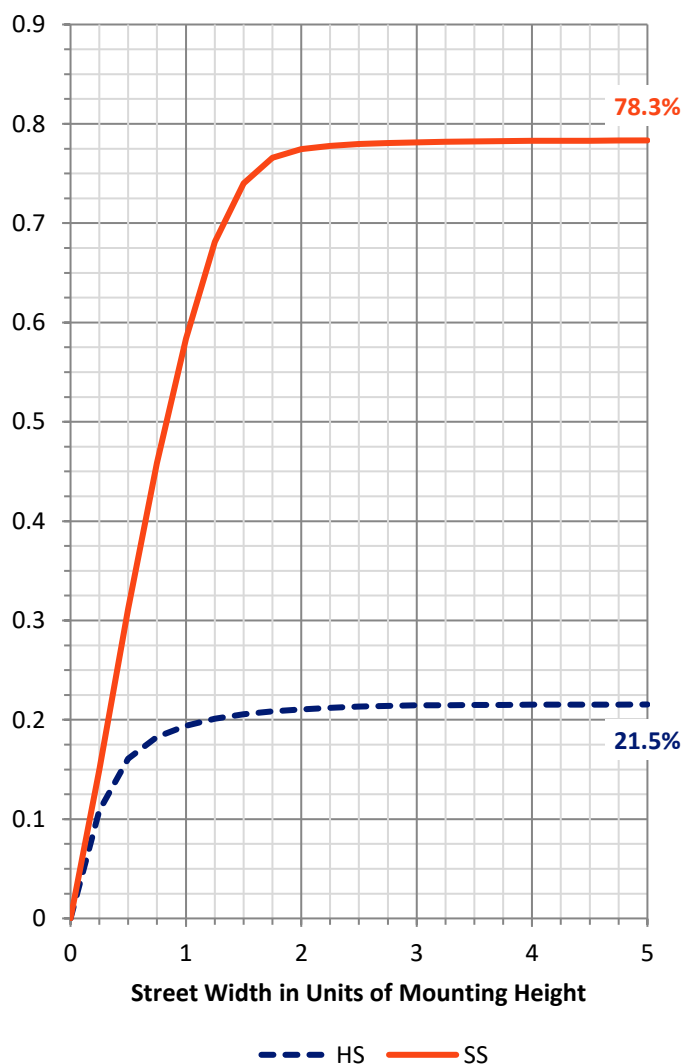
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6922.7	0.0	6922.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	24908.4	0.0	24908.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	31831.0	0.0	31831.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	592.2	1.9
10°-20°	1892.7	5.9
20°-30°	3432.9	10.8
30°-40°	5392.4	16.9
40°-50°	7866.6	24.7
50°-60°	9477.7	29.8
60°-70°	2775.0	8.7
70°-80°	352.0	1.1
80°-90°	49.4	0.2
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°	31831.0	100.0
0°-180°	31831.0	100.0

**Coefficient of Utilization**

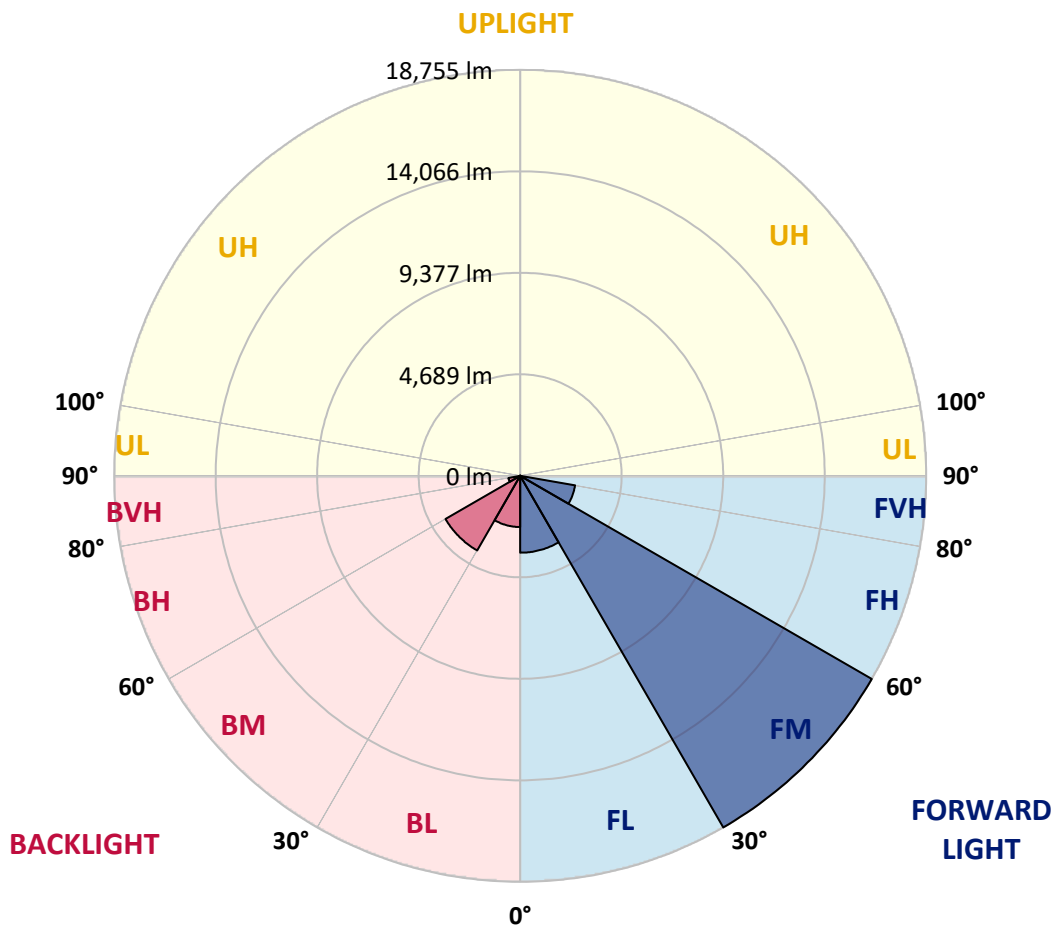


REPORT NUMBER: P534015  
 CATALOG NUMBER: GALN-SA9C-727-U-T3-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3551.7	11.2			
FM (30°-60°)	18754.9	58.9			
FH (60°-80°)	2577.0	8.1			G2/5000
FVH (80°-90°)	24.8	0.1			G1/100
BL (0°-30°)	2366.1	7.4	B3/2500		
BM (30°-60°)	3981.9	12.5	B3/5000		
BH (60°-80°)	550.1	1.7	B2/1000		G2/1000
BVH (80°-90°)	24.6	0.1			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





REPORT NUMBER: P534015

CATALOG NUMBER: GALN-SA9C-727-U-T3-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7
2.5°	6189.9	6160.9	6160.9	6114.5	6166.7	6143.5	6160.9	6102.9	6160.9	6073.9	6143.5
5°	6218.8	6224.6	6201.4	6230.4	6230.4	6265.2	6207.2	6259.4	6288.4	6224.6	6195.6
7.5°	6369.5	6381.1	6375.3	6352.1	6398.5	6392.7	6386.9	6346.3	6357.9	6334.7	6300.0
10°	6665.1	6659.3	6688.3	6630.3	6595.6	6636.1	6647.7	6584.0	6537.6	6520.2	6410.1
12.5°	7094.0	7024.4	6983.9	6925.9	6943.3	6885.3	6989.7	6879.5	6856.4	6752.0	6641.9
15°	7441.7	7430.1	7435.9	7343.2	7238.9	7262.1	7262.1	7204.1	7169.3	7041.8	6885.3
17.5°	8154.6	7911.2	7963.4	7847.4	7760.5	7754.7	7702.5	7714.1	7621.4	7354.8	7117.2
20°	8711.0	8606.7	8525.5	8328.5	8195.2	8235.8	8212.6	8154.6	8125.6	7777.9	7441.7
22.5°	9209.4	9244.2	9110.9	9058.7	8873.3	8890.7	8937.0	8884.9	8664.6	8305.3	7806.9
25°	9910.7	9870.2	9690.5	9626.7	9452.9	9516.6	9696.3	9655.7	9516.6	8867.5	8090.9
27.5°	10739.5	10600.4	10635.2	10345.4	10177.3	10357.0	10571.4	10774.3	10380.2	9528.2	8427.0
30°	11324.9	11180.0	11168.4	11156.8	11116.2	11324.9	11574.1	11759.6	11440.8	10188.9	8983.4
32.5°	11614.7	11649.4	11748.0	11713.2	12066.7	12495.6	12756.4	13023.0	12623.1	11266.9	9719.5
35°	12385.5	12165.3	12385.5	12408.7	12773.8	13683.8	14014.1	14651.6	14553.1	12791.2	10617.8
37.5°	12837.6	12820.2	12849.2	13069.4	13422.9	14547.3	15016.8	15509.4	15323.9	13706.9	11736.4
40°	13585.2	13631.6	13625.8	13793.9	14182.2	15196.4	15387.7	15787.6	15805.0	14976.2	13382.4
42.5°	14784.9	14599.5	14477.8	14651.6	15196.4	15758.6	16141.1	16060.0	16633.8	16517.9	15497.8
45°	15862.9	15973.1	15793.4	16083.2	16280.2	16581.6	16570.0	16743.9	17474.2	18024.8	17091.6
47.5°	16871.4	16941.0	17027.9	17224.9	17653.8	17700.2	17601.7	17526.3	18534.8	19102.8	18326.1
50°	17474.2	17537.9	17943.6	18297.2	19097.0	19201.3	19259.3	19068.0	19751.9	19815.6	19491.1
52.5°	17311.9	17381.4	17949.4	19114.4	20389.4	21345.7	21171.9	20847.3	20806.7	21055.9	20569.1
55°	15874.5	15810.8	16593.2	18407.3	20795.1	23090.2	23113.4	22771.5	22116.6	21948.5	20406.8
56°	14651.6	14402.4	15399.3	17590.1	20273.5	22939.6	23200.4	22835.2	22220.9	21467.4	19404.1
57.5°	12003.0	12240.6	13231.7	15045.7	18471.0	21855.7	22006.4	21919.5	21455.8	20192.4	17074.3
60°	6618.7	7036.0	7911.2	10131.0	13150.5	16772.9	16894.6	17601.7	17688.6	15463.0	11748.0
62.5°	2810.9	2764.6	3674.5	5308.9	7488.1	10125.2	10351.2	11075.7	11209.0	8913.9	5894.3
65°	1141.8	1205.5	1663.4	2671.8	3958.5	4613.4	4932.2	5169.8	5610.3	3680.3	2173.4
67.5°	753.4	747.7	979.5	1524.3	2132.8	2057.5	2057.5	2173.4	2011.1	1501.1	938.9
70°	539.0	556.4	701.3	1054.8	1327.2	985.3	944.7	904.1	1025.8	991.1	759.2
72.5°	353.5	376.7	469.5	631.7	689.7	539.0	539.0	649.1	846.2	799.8	620.1
75°	231.8	237.6	289.8	365.1	341.9	278.2	307.2	434.7	614.3	591.2	440.5
77.5°	156.5	162.3	197.1	237.6	191.3	156.5	168.1	220.2	301.4	301.4	231.8
80°	58.0	63.8	81.1	75.3	86.9	110.1	121.7	150.7	179.7	179.7	156.5
82.5°	0.0	5.8	17.4	40.6	63.8	86.9	98.5	115.9	133.3	150.7	144.9
85°	0.0	5.8	17.4	29.0	46.4	52.2	58.0	40.6	34.8	34.8	29.0
87.5°	0.0	0.0	5.8	5.8	5.8	5.8	5.8	5.8	11.6	5.8	5.8
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: P534015

CATALOG NUMBER: GALN-SA9C-727-U-T3-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7	6079.7
2.5°	6079.7	6073.9	6073.9	6056.6	6091.3	6073.9	6085.5	6079.7	6004.4	6062.3	6021.8
5°	6143.5	6184.1	6120.3	6108.7	6062.3	6079.7	6079.7	6021.8	6073.9	6068.1	6056.6
7.5°	6305.8	6236.2	6166.7	6097.1	6085.5	6068.1	6004.4	5981.2	6021.8	5975.4	6045.0
10°	6375.3	6386.9	6282.6	6189.9	6102.9	5981.2	5894.3	5842.1	5778.4	5847.9	5888.5
12.5°	6694.1	6578.2	6398.5	6253.6	5958.0	5836.3	5749.4	5726.2	5836.3	5859.5	5818.9
15°	6804.2	6786.8	6555.0	6230.4	5923.2	5778.4	5795.7	5749.4	5761.0	5703.0	5714.6
17.5°	7030.2	6833.2	6560.8	6155.1	5917.5	5882.7	5778.4	5592.9	5488.6	5442.2	5482.8
20°	7279.5	7088.2	6694.1	6184.1	5969.6	5876.9	5534.9	5308.9	5094.5	4978.5	4984.3
22.5°	7499.7	7262.1	6636.1	6195.6	6016.0	5633.5	5222.0	4775.7	4509.1	4329.4	4335.2
25°	7766.3	7430.1	6659.3	6218.8	5894.3	5245.1	4654.0	4219.3	3900.5	3778.8	3819.4
27.5°	7917.0	7534.5	6786.8	6271.0	5575.5	4694.6	4057.0	3651.3	3465.9	3407.9	3402.1
30°	8369.1	7766.3	6943.3	6166.7	5042.3	4103.4	3512.2	3263.0	3083.3	3031.2	3042.8
32.5°	9041.4	8189.4	7146.2	5894.3	4497.5	3576.0	3158.7	2973.2	2805.1	2706.6	2695.0
35°	9603.5	8913.9	7360.6	5471.2	3865.8	3170.3	2909.5	2677.6	2422.6	2312.5	2283.5
37.5°	10675.8	9731.1	7314.2	4833.6	3263.0	2868.9	2642.9	2358.9	2138.6	1987.9	1970.6
40°	12101.5	10687.4	7088.2	4057.0	2816.7	2602.3	2358.9	2086.5	1814.1	1686.6	1675.0
42.5°	13834.4	11858.1	6676.7	3268.8	2370.5	2335.7	2115.4	1802.5	1559.1	1466.3	1472.1
45°	15242.8	12860.8	6259.4	2625.5	2040.1	2074.9	1883.6	1588.0	1420.0	1344.6	1344.6
47.5°	16494.7	13538.9	5807.3	2167.6	1732.9	1814.1	1646.0	1472.1	1327.2	1269.3	1257.7
50°	17700.2	14228.5	5355.3	1756.1	1477.9	1559.1	1541.7	1402.6	1286.7	1217.1	1222.9
52.5°	18453.6	14338.7	4781.5	1437.3	1292.5	1385.2	1443.1	1315.6	1188.1	1147.6	1136.0
55°	17532.1	12918.7	3709.3	1182.3	1095.4	1217.1	1327.2	1182.3	1083.8	1014.3	1008.5
56°	16291.8	11550.9	3100.7	1089.6	1037.4	1170.7	1286.7	1130.2	1020.1	979.5	950.5
57.5°	13793.9	9452.9	2289.3	967.9	962.1	1089.6	1222.9	1078.0	950.5	915.7	915.7
60°	8600.9	5320.5	1385.2	811.4	834.6	967.9	1101.2	962.1	846.2	846.2	863.6
62.5°	3917.9	2214.0	840.4	689.7	718.7	834.6	979.5	869.4	805.6	869.4	881.0
65°	1333.0	956.3	608.6	550.6	568.0	689.7	840.4	881.0	875.2	915.7	938.9
67.5°	747.7	614.3	510.0	457.9	446.3	510.0	689.7	881.0	846.2	828.8	840.4
70°	631.7	521.6	452.1	405.7	388.3	411.5	533.2	666.5	597.0	579.6	568.0
72.5°	510.0	434.7	394.1	365.1	313.0	266.6	243.4	255.0	284.0	301.4	330.4
75°	359.3	330.4	330.4	295.6	226.0	168.1	133.3	110.1	75.3	52.2	58.0
77.5°	202.9	202.9	208.6	179.7	144.9	110.1	81.1	58.0	29.0	11.6	5.8
80°	139.1	150.7	162.3	144.9	121.7	98.5	69.5	40.6	17.4	0.0	0.0
82.5°	139.1	156.5	168.1	144.9	121.7	92.7	69.5	40.6	17.4	5.8	0.0
85°	29.0	34.8	40.6	46.4	69.5	69.5	52.2	34.8	17.4	5.8	0.0
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	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)