

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: P530741

Luminaire Tested: **GALN-SA6A-727-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-727-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13793 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

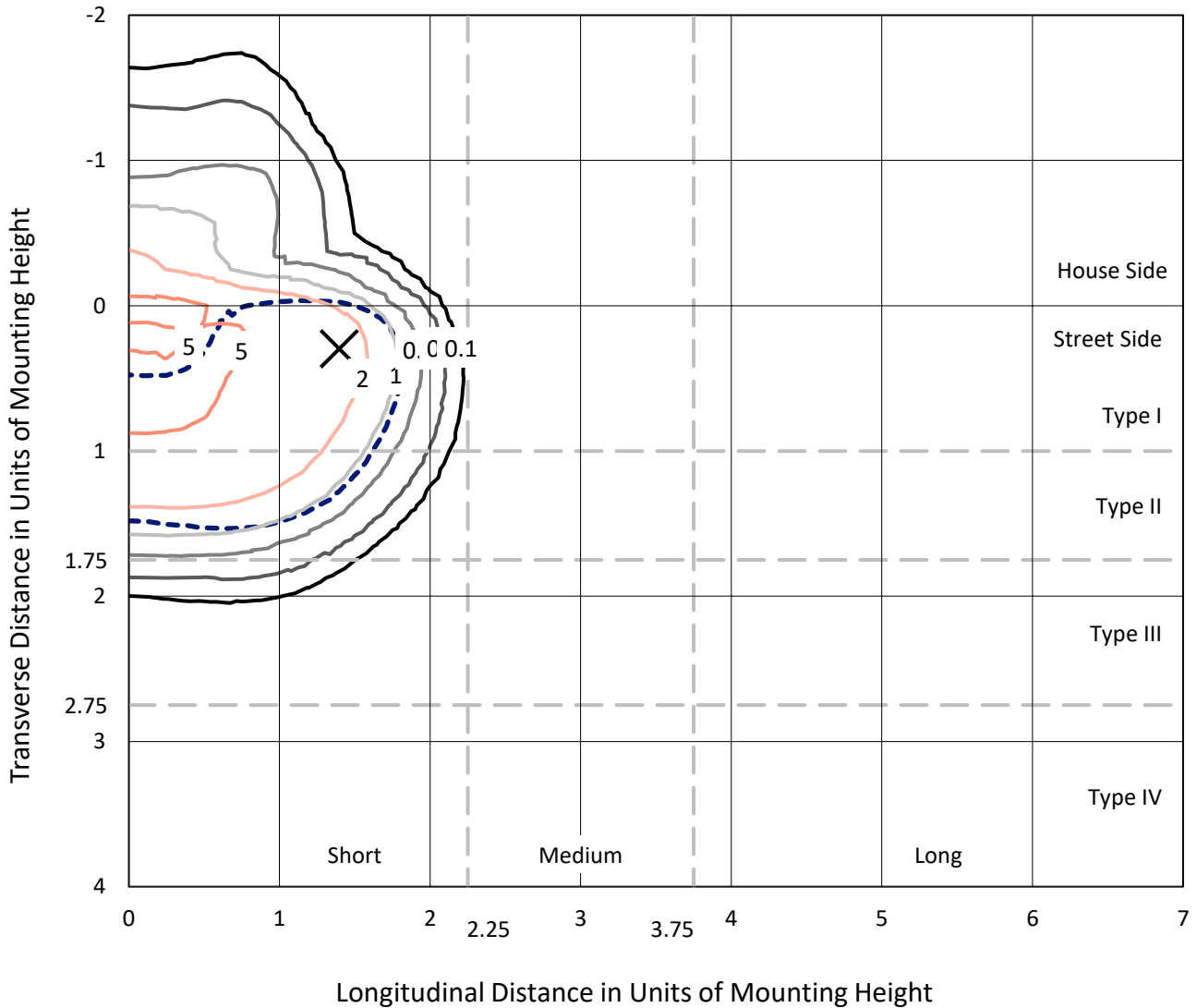
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P530741  
 CATALOG NUMBER: GALN-SA6A-727-U-T3R-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

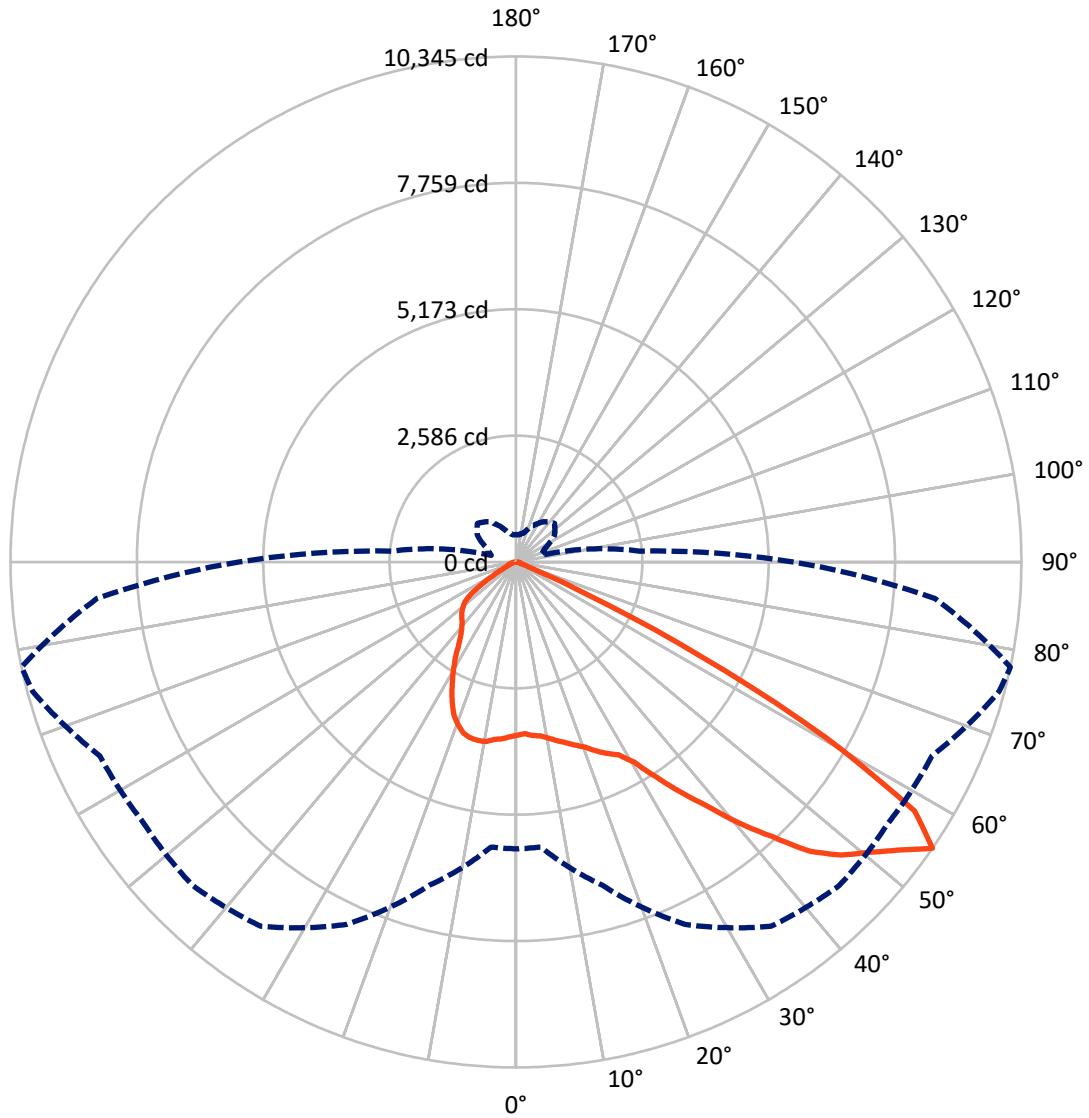
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P530741  
CATALOG NUMBER: GALN-SA6A-727-U-T3R-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P530741

CATALOG NUMBER: GALN-SA6A-727-U-T3R-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2561.9	0.0	2561.9
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	11231.1	0.0	11231.1
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	13793.0	0.0	13793.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.2	2.3
10°-20°	836.8	6.1
20°-30°	1466.8	10.6
30°-40°	2418.6	17.5
40°-50°	3519.4	25.5
50°-60°	3987.9	28.9
60°-70°	1140.2	8.3
70°-80°	88.5	0.6
80°-90°	18.4	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°	13793.0	100.0
0°-180°	13793.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P530741

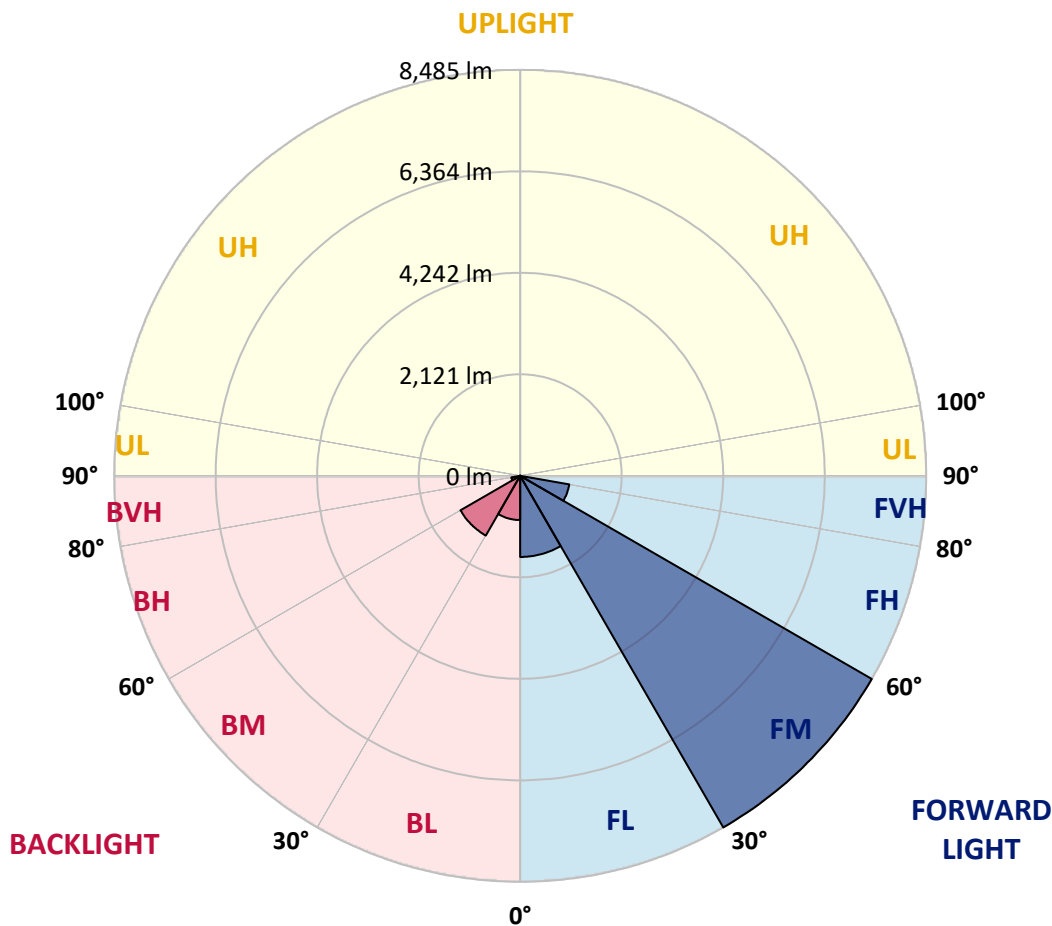
CATALOG NUMBER: GALN-SA6A-727-U-T3R-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1695.6	12.3			
FM (30°-60°)	8484.8	61.5			
FH (60°-80°)	1041.7	7.6			G1/1800
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	924.3	6.7	B2/1000		
BM (30°-60°)	1441.1	10.4	B2/2500		
BH (60°-80°)	187.0	1.4	B1/500		G1/500
BVH (80°-90°)	9.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





REPORT NUMBER: P530741

CATALOG NUMBER: GALN-SA6A-727-U-T3R-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2
2.5°	3334.1	3366.2	3371.1	3410.6	3408.1	3474.7	3494.4	3496.9	3541.3	3519.1	3575.8
5°	3240.4	3223.1	3215.7	3284.8	3304.5	3363.7	3413.0	3442.6	3533.9	3565.9	3625.1
7.5°	3156.6	3156.6	3161.5	3223.1	3215.7	3292.2	3344.0	3435.2	3568.4	3595.5	3667.0
10°	3075.2	3045.6	3082.6	3146.7	3200.9	3235.5	3344.0	3430.3	3585.6	3664.6	3763.2
12.5°	3033.2	3048.0	3053.0	3099.8	3159.0	3262.6	3321.8	3464.8	3708.9	3755.8	3861.8
15°	3297.1	3267.5	3196.0	3154.1	3203.4	3252.7	3400.7	3546.2	3773.1	3839.6	3958.0
17.5°	3602.9	3578.2	3519.1	3405.6	3294.7	3385.9	3501.8	3635.0	3842.1	3940.8	4115.8
20°	4002.4	3963.0	3903.8	3681.8	3585.6	3487.0	3610.3	3768.1	3955.6	4044.3	4224.4
22.5°	4478.4	4478.4	4345.2	4076.4	3876.6	3782.9	3834.7	3926.0	4081.3	4202.2	4379.7
25°	4974.0	4959.2	4838.4	4559.7	4221.9	4110.9	4170.1	4234.2	4276.1	4342.7	4461.1
27.5°	5541.2	5454.9	5302.0	4993.8	4695.4	4480.8	4544.9	4488.2	4436.4	4471.0	4641.1
30°	5925.9	5980.2	5785.4	5489.4	5208.3	4969.1	4981.4	4932.1	4695.4	4744.7	4845.8
32.5°	6325.4	6360.0	6251.5	6088.7	5807.6	5528.9	5427.8	5385.9	5208.3	5230.5	5131.9
35°	6658.4	6724.9	6628.8	6557.2	6475.9	6251.5	5972.8	6108.4	5822.4	5768.1	5511.6
37.5°	6964.1	6944.4	7057.9	6983.9	6966.6	6808.8	6503.0	6530.1	6337.8	6325.4	6029.5
40°	7237.9	7242.8	7398.2	7432.7	7363.6	7082.5	6638.6	6853.2	7008.5	7023.3	6643.6
42.5°	7464.8	7531.3	7664.5	7943.2	7839.6	7371.0	6779.2	7013.5	7590.5	7681.8	7225.5
45°	7662.0	7797.7	7962.9	8212.0	8152.8	7780.4	7129.4	7343.9	8212.0	8451.2	7773.0
47.5°	7674.4	7851.9	8031.9	8401.9	8475.8	7999.9	7491.9	7866.7	8705.2	8964.1	8172.5
50°	7625.0	7718.8	8078.8	8480.8	8648.5	8357.5	7999.9	8305.7	9183.6	9346.4	8374.7
52.5°	7040.6	7112.1	7834.7	8554.7	8959.2	8761.9	8673.1	8917.3	9671.9	9792.7	8564.6
55°	5869.2	5856.9	6850.7	8182.4	9102.2	9361.1	9306.9	9393.2	10236.6	10345.1	8611.5
57.5°	4014.7	4239.2	5097.3	6813.7	8226.8	9220.6	9277.3	9134.3	9578.2	9620.1	7506.7
60°	2165.2	2258.9	2949.4	4547.4	6263.8	7514.1	7662.0	7403.1	7368.6	7250.2	5358.7
62.5°	860.7	907.5	1299.6	2251.5	3413.0	4567.1	4885.3	4779.2	4552.3	4241.6	2774.3
65°	409.4	439.0	646.1	1053.0	1514.2	1903.8	2221.9	2320.6	1711.4	1541.3	914.9
67.5°	278.7	300.9	471.0	601.7	540.1	564.7	734.9	683.1	402.0	342.8	254.0
70°	212.1	226.9	377.3	409.4	241.7	170.2	189.9	177.6	165.2	167.7	165.2
72.5°	150.4	162.8	276.2	241.7	106.0	78.9	101.1	120.8	120.8	120.8	118.4
75°	91.2	103.6	160.3	93.7	41.9	41.9	64.1	81.4	86.3	88.8	83.8
77.5°	46.9	59.2	54.3	27.1	27.1	32.1	46.9	56.7	61.7	61.7	59.2
80°	9.9	9.9	9.9	14.8	27.1	34.5	46.9	51.8	59.2	59.2	54.3
82.5°	0.0	2.5	7.4	14.8	24.7	32.1	44.4	51.8	59.2	61.7	56.7
85°	0.0	2.5	4.9	9.9	17.3	19.7	17.3	14.8	14.8	14.8	14.8
87.5°	0.0	0.0	2.5	2.5	2.5	4.9	4.9	4.9	4.9	4.9	4.9
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: P530741

CATALOG NUMBER: GALN-SA6A-727-U-T3R-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2	3546.2
2.5°	3580.7	3588.1	3575.8	3573.3	3563.5	3593.0	3521.5	3504.3	3548.7	3506.7	3516.6
5°	3627.6	3644.8	3622.6	3585.6	3531.4	3447.5	3376.0	3282.3	3237.9	3205.9	3200.9
7.5°	3662.1	3674.4	3652.2	3533.9	3371.1	3159.0	3001.2	2885.3	2794.0	2766.9	2722.5
10°	3802.7	3805.1	3694.2	3432.7	3114.6	2836.0	2594.3	2416.7	2325.5	2268.8	2244.1
12.5°	3896.4	3891.4	3667.0	3233.0	2808.8	2438.9	2162.7	1948.2	1864.3	1837.2	1819.9
15°	4014.7	3987.6	3602.9	3028.3	2414.3	2014.8	1765.7	1617.7	1610.3	1593.1	1610.3
17.5°	4108.4	4032.0	3509.2	2655.9	2037.0	1659.7	1496.9	1506.8	1526.5	1543.8	1546.2
20°	4261.3	4103.5	3294.7	2330.4	1686.8	1422.9	1420.4	1464.8	1514.2	1533.9	1553.6
22.5°	4377.2	4133.1	3065.3	1982.7	1400.7	1326.7	1368.7	1435.2	1472.2	1492.0	1521.6
25°	4419.2	4051.7	2759.5	1635.0	1262.6	1282.3	1346.5	1390.9	1437.7	1459.9	1447.6
27.5°	4461.1	4009.8	2394.5	1346.5	1188.6	1252.8	1307.0	1351.4	1366.2	1395.8	1415.5
30°	4562.2	3864.3	2066.6	1164.0	1151.6	1233.0	1272.5	1287.3	1326.7	1344.0	1344.0
32.5°	4643.6	3807.6	1718.8	1077.7	1146.7	1242.9	1247.8	1247.8	1252.8	1240.4	1235.5
35°	4811.3	3612.8	1408.1	1025.9	1144.2	1245.4	1257.7	1215.8	1102.3	1057.9	1045.6
37.5°	5018.4	3487.0	1178.8	1013.5	1161.5	1275.0	1294.7	1136.9	988.9	917.4	905.0
40°	5270.0	3398.2	1028.3	1008.6	1201.0	1344.0	1284.8	1075.2	882.8	779.3	774.3
42.5°	5563.4	3316.8	927.2	1006.2	1250.3	1415.5	1275.0	1023.4	774.3	705.3	715.2
45°	5797.7	3272.5	858.2	988.9	1267.6	1457.4	1282.3	932.2	730.0	685.6	690.5
47.5°	5980.2	3178.7	801.5	959.3	1265.1	1472.2	1215.8	895.2	707.8	720.1	732.4
50°	5985.1	3053.0	730.0	895.2	1228.1	1445.1	1139.3	860.7	702.8	754.6	779.3
52.5°	5918.5	2875.4	653.5	803.9	1141.8	1351.4	1070.3	845.9	680.6	675.7	705.3
55°	5681.8	2542.5	525.3	651.0	964.2	1114.7	1008.6	818.7	614.0	557.3	562.3
57.5°	4591.8	1822.4	387.2	466.1	683.1	816.3	910.0	806.4	552.4	473.5	475.9
60°	2843.4	1033.3	283.6	318.1	421.7	495.7	737.4	749.7	493.2	399.5	394.6
62.5°	1459.9	510.5	219.5	224.4	258.9	291.0	505.5	628.8	446.4	379.8	379.8
65°	488.3	251.5	192.4	172.6	172.6	180.0	305.8	436.5	377.3	318.1	318.1
67.5°	209.6	187.4	167.7	150.4	138.1	130.7	172.6	254.0	281.1	241.7	231.8
70°	162.8	157.8	145.5	125.8	108.5	98.6	101.1	130.7	160.3	155.4	150.4
72.5°	120.8	120.8	115.9	98.6	83.8	71.5	66.6	69.0	76.4	78.9	81.4
75°	83.8	86.3	86.3	76.4	61.7	51.8	44.4	37.0	29.6	24.7	22.2
77.5°	56.7	59.2	64.1	56.7	46.9	34.5	27.1	19.7	12.3	4.9	4.9
80°	49.3	56.7	61.7	56.7	49.3	37.0	27.1	14.8	7.4	0.0	0.0
82.5°	51.8	56.7	64.1	54.3	46.9	34.5	27.1	17.3	7.4	2.5	0.0
85°	12.3	12.3	14.8	17.3	22.2	24.7	19.7	12.3	7.4	2.5	0.0
87.5°	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5	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)