

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: P530729

Luminaire Tested: **GALN-SA6A-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530729
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-SA6A-727-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA 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: 13263 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

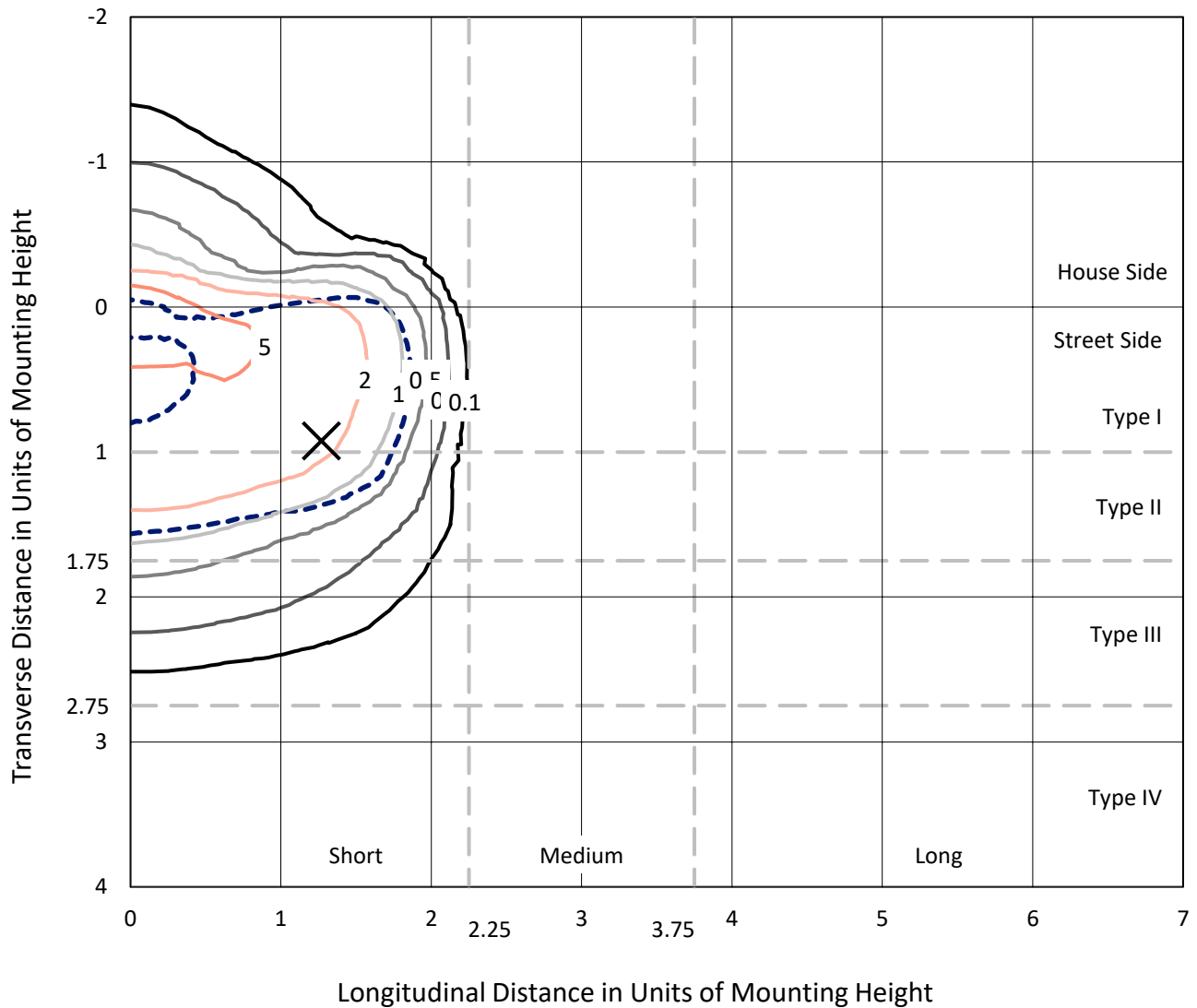
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530729
 CATALOG NUMBER: GALN-SA6A-727-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

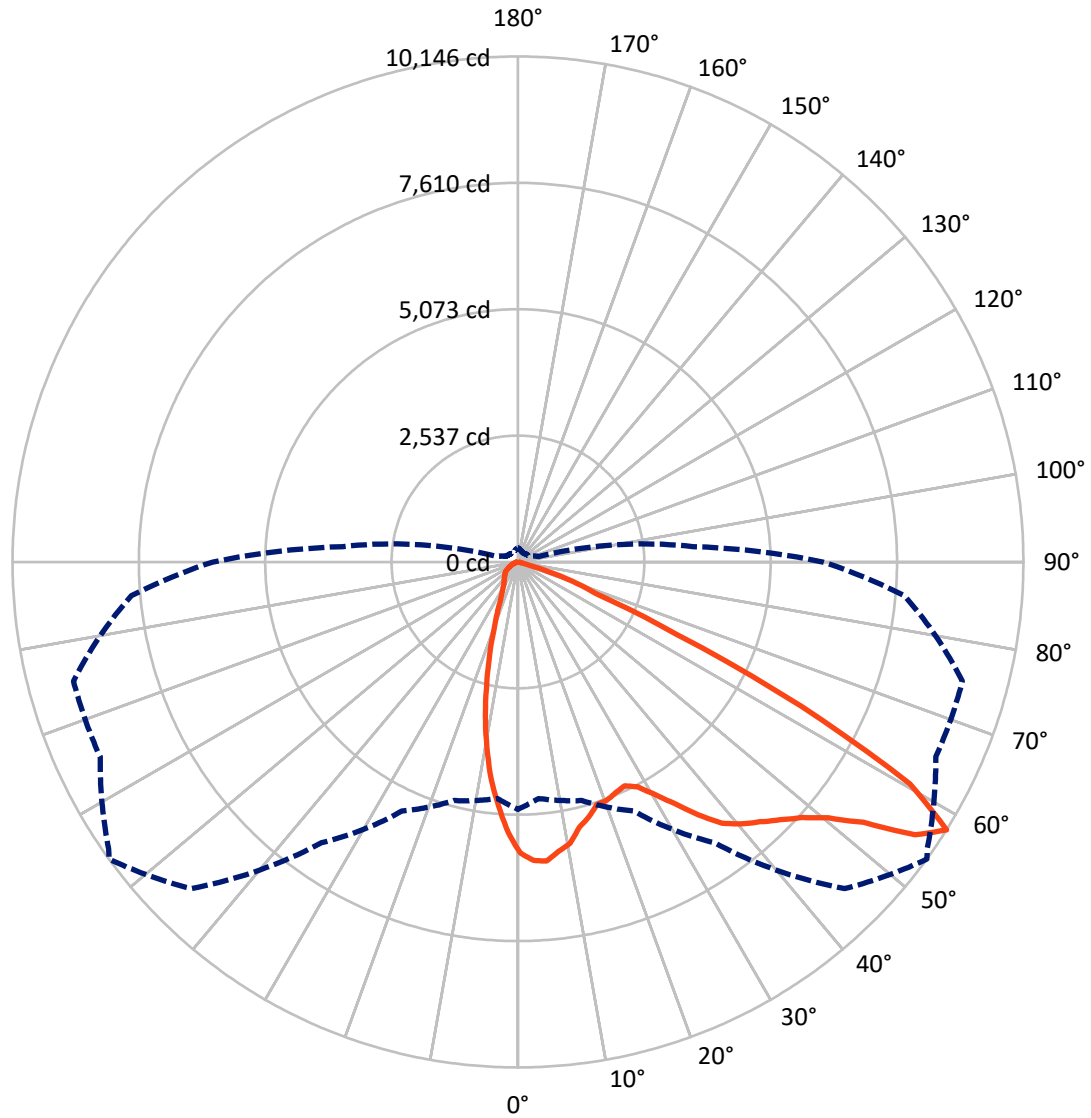
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - N/A

REPORT NUMBER: P530729
CATALOG NUMBER: GALN-SA6A-727-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P530729
 CATALOG NUMBER: GALN-SA6A-727-U-SL3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1874.3	0.0	1874.3
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	11388.7	0.0	11388.7
	% Fixture	85.9	0.0	85.9
Total	Lumens	13263.0	0.0	13263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.9	3.7
10°-20°	1043.8	7.9
20°-30°	1383.3	10.4
30°-40°	2010.3	15.2
40°-50°	2981.0	22.5
50°-60°	3727.6	28.1
60°-70°	1470.4	11.1
70°-80°	146.4	1.1
80°-90°	11.4	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°	13263.0	100.0
0°-180°	13263.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530729

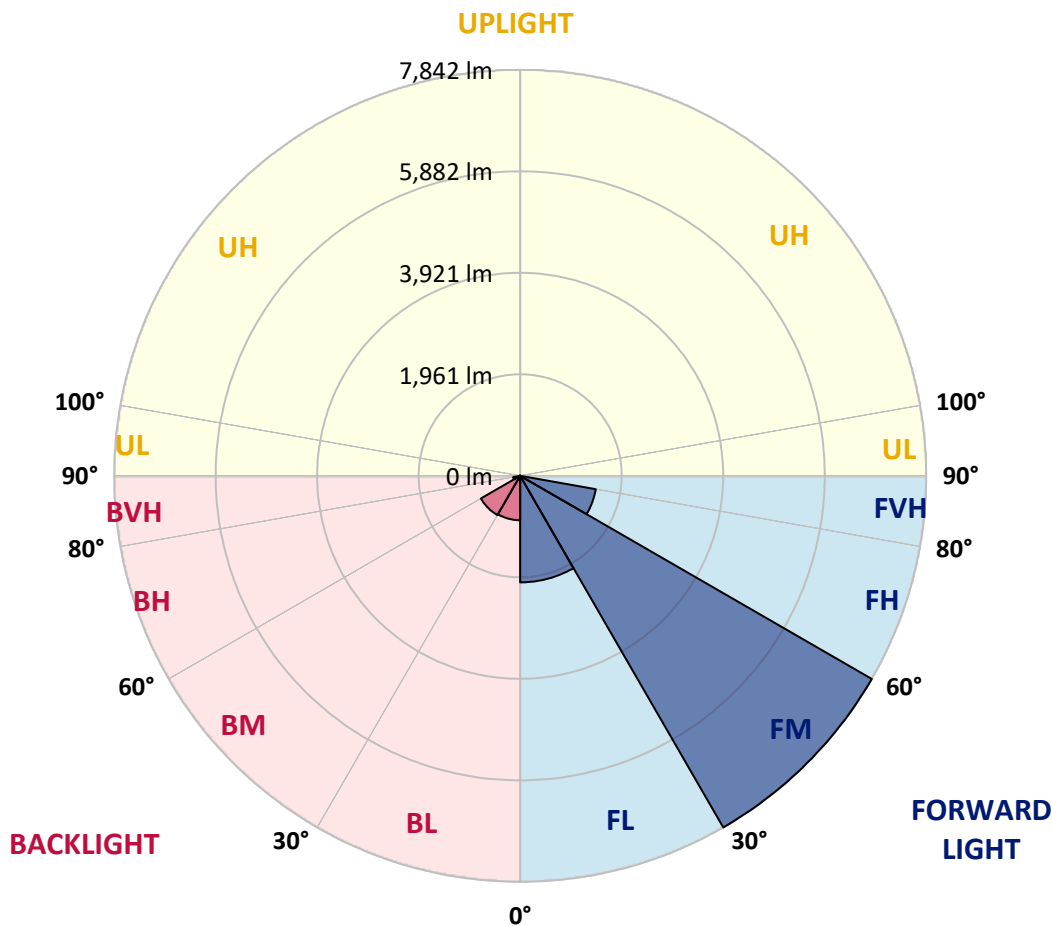
CATALOG NUMBER: GALN-SA6A-727-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2058.8	15.5			
FM (30°-60°)	7842.4	59.1			
FH (60°-80°)	1482.4	11.2			G1/1800
FVH (80°-90°)	5.2	0.0			G0/10
BL (0°-30°)	857.2	6.5	B2/1000		
BM (30°-60°)	876.5	6.6	B1/1000		
BH (60°-80°)	134.4	1.0	B1/500		G1/500
BVH (80°-90°)	6.2	0.0			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: P530729

CATALOG NUMBER: GALN-SA6A-727-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5
2.5°	6182.9	6118.7	6123.7	6101.5	6071.9	6094.1	5997.9	6020.1	6017.6	5886.9	5800.6
5°	6027.5	6096.6	6025.0	6084.2	6027.5	6089.2	6030.0	5985.6	5914.1	5817.9	5657.6
7.5°	5763.6	5697.0	5716.8	5790.7	5803.1	5941.2	5867.2	5923.9	5894.3	5704.4	5484.9
10°	5233.4	5218.6	5317.2	5415.9	5536.7	5684.7	5741.4	5709.4	5687.2	5615.6	5322.2
12.5°	4826.4	4868.4	4865.9	5028.7	5233.4	5317.2	5465.2	5460.3	5583.6	5450.4	5169.2
15°	4439.2	4461.4	4565.0	4666.1	4893.0	5132.3	5314.8	5339.4	5487.4	5393.7	5050.9
17.5°	4202.5	4170.4	4251.8	4372.6	4604.5	4917.7	5119.9	5179.1	5381.3	5361.6	4915.2
20°	3968.2	3968.2	4034.8	4177.8	4389.9	4742.6	5102.7	5085.4	5381.3	5324.6	4769.7
22.5°	3889.3	3928.7	3946.0	4054.5	4306.1	4609.4	5028.7	5060.7	5423.3	5307.4	4705.6
25°	3997.8	3946.0	3950.9	4037.2	4274.0	4545.3	4974.4	5045.9	5499.7	5393.7	4653.8
27.5°	4015.0	4066.8	4081.6	4140.8	4298.7	4565.0	5110.1	5255.6	5689.6	5595.9	4668.6
30°	4165.5	4217.3	4214.8	4315.9	4424.4	4725.3	5413.4	5443.0	6081.8	5849.9	4759.8
32.5°	4348.0	4402.2	4419.5	4537.9	4624.2	5018.8	5783.3	5859.8	6459.1	6249.5	4999.1
35°	4574.9	4555.2	4634.1	4752.5	4937.4	5447.9	6234.7	6362.9	6866.0	6767.4	5245.7
37.5°	4858.5	4833.8	4910.3	5102.7	5354.2	5956.0	6651.5	6735.3	7162.0	7248.3	5702.0
40°	5058.3	5068.1	5300.0	5558.9	5825.3	6439.4	6915.3	6996.7	7369.1	7697.1	6047.2
42.5°	5391.2	5452.9	5731.5	6047.2	6325.9	6801.9	7129.9	7208.8	7465.3	8057.2	6513.3
45°	5874.6	5847.5	6155.7	6508.4	6816.7	7179.2	7383.9	7356.8	7522.0	8414.8	6806.8
47.5°	6496.1	6501.0	6705.7	7006.6	7327.2	7507.2	7667.5	7571.4	7640.4	8792.2	7199.0
50°	6920.3	6957.3	7122.5	7430.8	7591.1	7867.3	8072.0	8012.8	7990.6	9019.1	7445.6
52.5°	7028.8	7139.8	7228.6	7613.3	7988.2	8424.7	8686.1	8811.9	8417.3	9095.5	7758.8
55°	6210.0	6308.7	6621.9	7149.6	8138.6	9307.6	9667.7	9670.1	8974.7	9435.8	7978.3
57.5°	4964.5	4764.8	4957.1	5517.0	6880.8	9270.6	10146.1	10030.2	9253.3	9236.1	7788.4
60°	3433.0	3383.7	3396.0	3618.0	4762.3	7374.1	9041.2	9191.7	8520.9	8005.4	6165.6
62.5°	2720.3	2678.3	2624.1	2599.4	2957.0	4594.6	6377.7	6589.8	5958.4	5191.4	3655.0
65°	2130.8	2106.2	2113.6	2212.2	2209.8	2606.8	3487.3	3400.9	2722.7	2012.5	1149.3
67.5°	1437.8	1474.8	1504.4	1802.8	1955.7	1815.2	1684.4	1635.1	885.4	372.4	254.0
70°	808.9	813.9	845.9	1127.1	1484.7	1408.2	1161.6	1161.6	441.5	135.6	145.5
72.5°	441.5	426.7	397.1	485.8	661.0	670.8	517.9	451.3	130.7	88.8	81.4
75°	214.6	212.1	182.5	150.4	143.0	118.4	91.3	83.9	59.2	56.7	49.3
77.5°	44.4	41.9	22.2	22.2	24.7	27.1	34.5	34.5	41.9	41.9	34.5
80°	0.0	0.0	2.5	9.9	17.3	24.7	29.6	29.6	34.5	34.5	27.1
82.5°	0.0	0.0	2.5	7.4	14.8	22.2	27.1	29.6	34.5	37.0	29.6
85°	0.0	0.0	0.0	4.9	12.3	17.3	14.8	14.8	12.3	9.9	4.9
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: P530729

CATALOG NUMBER: GALN-SA6A-727-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5	5842.5
2.5°	5756.2	5751.3	5637.8	5573.7	5457.8	5356.7	5275.3	5216.1	5216.1	5179.1	5144.6
5°	5593.4	5551.5	5309.8	5154.4	4935.0	4772.2	4661.2	4574.9	4439.2	4476.2	4330.7
7.5°	5391.2	5285.2	4964.5	4727.8	4424.4	4192.6	3955.9	3746.2	3544.0	3452.7	3502.1
10°	5174.2	4989.2	4557.6	4182.7	3805.4	3381.2	3105.0	2769.6	2562.4	2550.1	2495.8
12.5°	4944.8	4735.2	4209.9	3692.0	3196.3	2685.7	2264.0	1950.8	1810.2	1654.8	1684.4
15°	4772.2	4461.4	3822.7	3198.7	2540.2	2024.8	1600.6	1358.9	1225.7	1188.7	1176.4
17.5°	4584.7	4251.8	3428.1	2673.4	1992.7	1457.5	1151.7	1035.8	984.0	984.0	976.6
20°	4389.9	4015.0	3035.9	2185.1	1494.5	1087.6	922.4	885.4	882.9	880.4	880.4
22.5°	4261.7	3743.8	2680.8	1736.2	1127.1	870.6	801.5	786.7	796.6	826.2	826.2
25°	4126.0	3482.3	2288.7	1339.2	873.1	747.3	707.8	717.7	742.3	769.5	759.6
27.5°	3987.9	3312.2	1918.7	1050.6	715.2	653.6	638.8	661.0	688.1	712.7	705.3
30°	3955.9	3129.7	1568.5	796.6	614.1	569.7	579.6	599.3	626.4	636.3	646.2
32.5°	4005.2	2986.6	1284.9	653.6	535.2	522.8	522.8	532.7	550.0	572.2	564.8
35°	4145.8	2905.2	1016.1	567.2	490.8	478.5	476.0	485.8	495.7	503.1	495.7
37.5°	4360.3	2841.1	831.1	503.1	461.2	441.5	436.5	434.1	443.9	446.4	451.3
40°	4634.1	2875.6	705.3	463.7	431.6	409.4	394.6	394.6	394.6	402.0	404.5
42.5°	4930.0	2922.5	609.2	441.5	404.5	377.3	362.5	357.6	362.5	372.4	369.9
45°	5240.8	3013.7	547.5	406.9	379.8	345.3	325.5	320.6	332.9	352.7	350.2
47.5°	5531.8	3144.5	500.6	384.7	355.1	323.1	298.4	293.5	315.7	342.8	345.3
50°	5822.8	3371.4	483.4	367.5	337.9	300.9	278.7	273.8	298.4	332.9	340.3
52.5°	6158.2	3615.5	471.1	345.3	318.1	283.6	259.0	254.0	281.2	325.5	328.0
55°	6377.7	3822.7	461.2	305.8	281.2	256.5	236.8	234.3	263.9	303.3	313.2
57.5°	6121.2	3534.1	426.7	266.4	239.2	226.9	209.6	209.6	234.3	271.3	278.7
60°	4641.5	2325.7	303.3	214.6	202.2	194.8	187.4	187.4	207.2	234.3	236.8
62.5°	2717.8	1252.9	194.8	172.6	172.6	165.2	152.9	152.9	172.6	187.4	189.9
65°	806.5	402.0	157.8	148.0	145.5	133.2	120.8	118.4	133.2	140.6	138.1
67.5°	231.8	185.0	130.7	123.3	120.8	101.1	93.7	91.3	93.7	88.8	86.3
70°	138.1	125.8	101.1	103.6	91.3	74.0	66.6	64.1	59.2	51.8	46.9
72.5°	76.5	76.5	74.0	78.9	64.1	49.3	41.9	34.5	27.1	22.2	19.7
75°	46.9	49.3	51.8	54.3	41.9	32.1	27.1	17.3	9.9	4.9	4.9
77.5°	32.1	34.5	37.0	39.5	34.5	29.6	22.2	12.3	2.5	0.0	0.0
80°	24.7	27.1	32.1	34.5	37.0	39.5	29.6	12.3	2.5	0.0	0.0
82.5°	27.1	29.6	37.0	34.5	34.5	34.5	27.1	12.3	2.5	0.0	0.0
85°	4.9	7.4	12.3	12.3	17.3	22.2	17.3	4.9	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)