

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: P650958

Luminaire Tested: **GALN-SA6C-840-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650958
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-SA6C-840-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1050mA 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: 20503.6 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

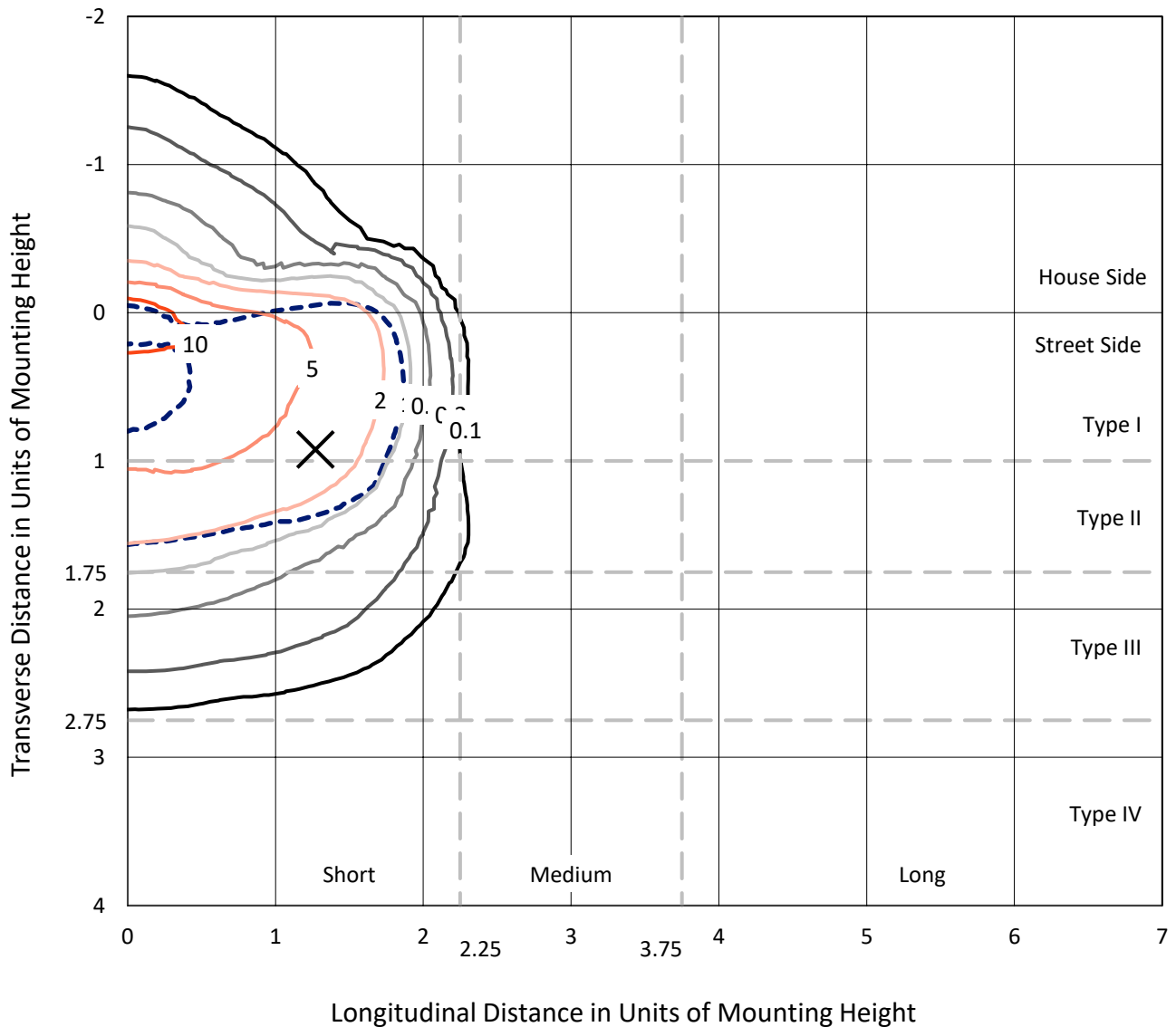
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650958
 CATALOG NUMBER: GALN-SA6C-840-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

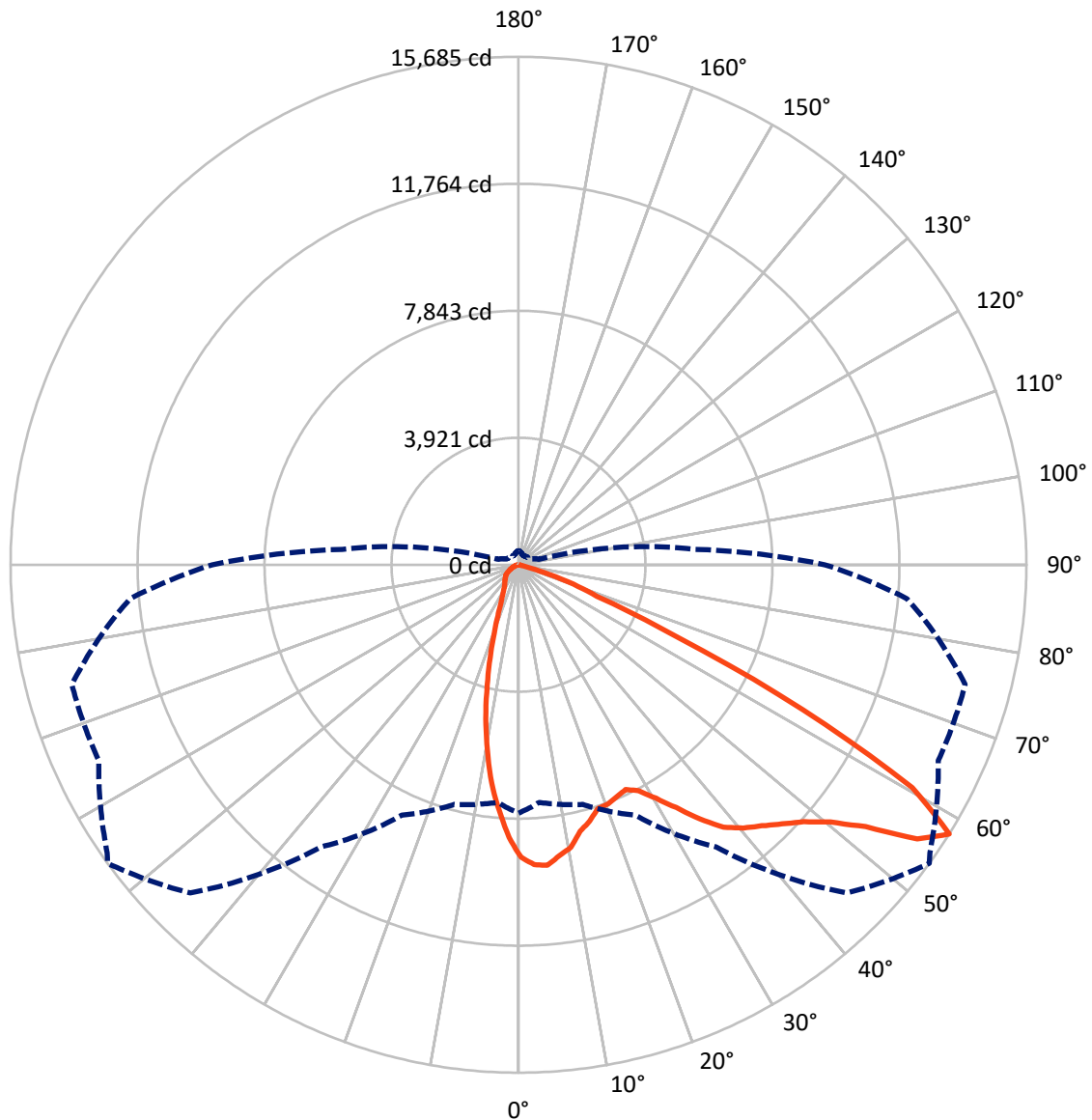
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
 Type II - Short - N/A

REPORT NUMBER: P650958
CATALOG NUMBER: GALN-SA6C-840-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P650958
 CATALOG NUMBER: GALN-SA6C-840-U-SL3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2897.5	0.0	2897.5
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	17606.1	0.0	17606.1
	% Fixture	85.9	0.0	85.9
Total	Lumens	20503.6	0.0	20503.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.8	3.7
10°-20°	1613.7	7.9
20°-30°	2138.4	10.4
30°-40°	3107.8	15.2
40°-50°	4608.4	22.5
50°-60°	5762.6	28.1
60°-70°	2273.1	11.1
70°-80°	226.3	1.1
80°-90°	17.6	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°	20503.6	100.0
0°-180°	20503.6	100.0

Coefficient of Utilization

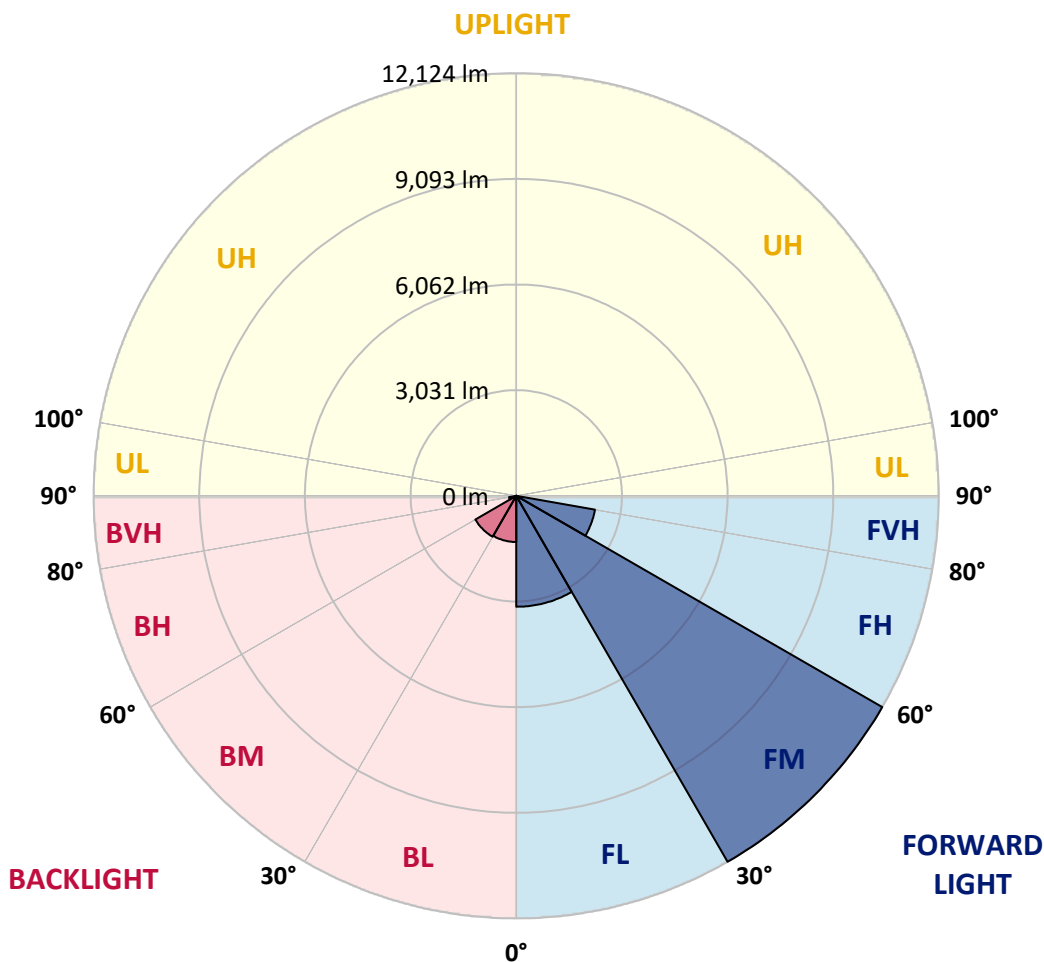


REPORT NUMBER: P650958
 CATALOG NUMBER: GALN-SA6C-840-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3182.8	15.5			
FM (30°-60°)	12123.7	59.1			
FH (60°-80°)	2291.6	11.2			G2/5000
FVH (80°-90°)	8.0	0.0			G0/10
BL (0°-30°)	1325.2	6.5	B3/2500		
BM (30°-60°)	1354.9	6.6	B2/2500		
BH (60°-80°)	207.8	1.0	B1/500		G1/500
BVH (80°-90°)	9.6	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: P650958

CATALOG NUMBER: GALN-SA6C-840-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1
2.5°	9558.2	9459.1	9466.7	9432.4	9386.7	9421.0	9272.3	9306.6	9302.8	9100.7	8967.2
5°	9318.0	9424.8	9314.2	9405.7	9318.0	9413.4	9321.9	9253.3	9142.7	8994.0	8746.1
7.5°	8910.1	8807.1	8837.6	8952.0	8971.1	9184.6	9070.3	9157.9	9112.2	8818.6	8479.3
10°	8090.4	8067.5	8220.0	8372.5	8559.4	8788.1	8875.7	8826.2	8791.9	8681.3	8227.7
12.5°	7461.3	7526.1	7522.3	7774.0	8090.4	8220.0	8448.8	8441.1	8631.8	8425.9	7991.3
15°	6862.7	6897.0	7057.2	7213.5	7564.2	7934.1	8216.2	8254.3	8483.1	8338.2	7808.3
17.5°	6496.7	6447.1	6572.9	6759.8	7118.1	7602.4	7915.0	8006.5	8319.2	8288.6	7598.5
20°	6134.5	6134.5	6237.4	6458.5	6786.4	7331.7	7888.3	7861.7	8319.2	8231.5	7373.6
22.5°	6012.5	6073.5	6100.2	6268.0	6656.9	7125.8	7774.0	7823.5	8383.9	8204.8	7274.5
25°	6180.3	6100.2	6107.8	6241.2	6607.3	7026.6	7690.0	7800.6	8502.2	8338.2	7194.4
27.5°	6206.9	6287.0	6309.9	6401.4	6645.4	7057.2	7899.8	8124.7	8795.7	8650.9	7217.3
30°	6439.5	6519.6	6515.7	6672.1	6839.9	7305.0	8368.7	8414.5	9402.0	9043.5	7358.3
32.5°	6721.7	6805.5	6832.2	7015.2	7148.7	7758.6	8940.6	9058.8	9985.3	9661.2	7728.2
35°	7072.4	7041.9	7163.9	7346.9	7632.8	8422.1	9638.3	9836.6	10614.3	10461.9	8109.4
37.5°	7510.9	7472.7	7591.0	7888.3	8277.2	9207.5	10282.7	10412.3	11071.8	11205.3	8814.8
40°	7819.7	7834.9	8193.4	8593.7	9005.4	9954.7	10690.6	10816.4	11392.1	11899.2	9348.6
42.5°	8334.4	8429.7	8860.5	9348.6	9779.4	10515.2	11022.3	11144.3	11540.8	12455.8	10069.1
45°	9081.7	9039.7	9516.3	10061.5	10538.1	11098.5	11415.0	11373.1	11628.5	13008.7	10522.8
47.5°	10042.5	10050.0	10366.5	10831.7	11327.3	11605.6	11853.5	11704.8	11811.5	13592.0	11129.0
50°	10698.2	10755.4	11010.9	11487.5	11735.2	12162.3	12478.7	12387.2	12352.9	13942.8	11510.3
52.5°	10866.0	11037.5	11174.8	11769.5	12349.1	13023.9	13428.1	13622.5	13012.5	14060.9	11994.5
55°	9600.2	9752.7	10236.9	11052.8	12581.7	14388.8	14945.5	14949.3	13874.1	14587.1	12333.9
57.5°	7674.8	7366.0	7663.4	8528.8	10637.2	14331.6	15685.2	15505.9	14305.0	14278.2	12040.3
60°	5307.1	5230.9	5249.9	5593.2	7362.2	11399.8	13977.1	14209.6	13172.6	12375.7	9531.6
62.5°	4205.3	4140.5	4056.6	4018.5	4571.3	7102.9	9859.5	10187.4	9211.3	8025.6	5650.3
65°	3294.1	3256.0	3267.5	3419.9	3416.1	4029.9	5391.1	5257.6	4209.1	3111.1	1776.7
67.5°	2222.8	2280.0	2325.7	2787.0	3023.4	2806.1	2604.0	2527.8	1368.7	575.7	392.7
70°	1250.6	1258.1	1307.8	1742.4	2295.2	2177.0	1795.8	1795.8	682.5	209.7	225.0
72.5°	682.5	659.6	613.8	751.1	1021.8	1037.0	800.6	697.7	202.1	137.3	125.8
75°	331.7	327.9	282.2	232.5	221.1	183.0	141.0	129.6	91.5	87.7	76.3
77.5°	68.6	64.8	34.3	34.3	38.1	42.0	53.4	53.4	64.8	64.8	53.4
80°	0.0	0.0	3.8	15.2	26.7	38.1	45.8	45.8	53.4	53.4	42.0
82.5°	0.0	0.0	3.8	11.4	22.9	34.3	42.0	45.8	53.4	57.2	45.8
85°	0.0	0.0	0.0	7.7	19.1	26.7	22.9	22.9	19.1	15.2	7.7
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: P650958

CATALOG NUMBER: GALN-SA6C-840-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1	9032.1
2.5°	8898.6	8891.1	8715.6	8616.5	8437.3	8281.0	8155.2	8063.7	8063.7	8006.5	7953.2
5°	8647.0	8582.2	8208.6	7968.4	7629.0	7377.4	7205.9	7072.4	6862.7	6919.9	6694.9
7.5°	8334.4	8170.5	7674.8	7308.8	6839.9	6481.4	6115.4	5791.4	5478.8	5337.7	5413.9
10°	7998.9	7712.9	7045.7	6466.2	5882.9	5227.1	4800.1	4281.6	3961.3	3942.3	3858.3
12.5°	7644.3	7320.2	6508.2	5707.5	4941.1	4151.9	3500.0	3015.8	2798.4	2558.2	2604.0
15°	7377.4	6897.0	5909.5	4945.0	3927.0	3130.2	2474.4	2100.7	1894.9	1837.7	1818.7
17.5°	7087.7	6572.9	5299.6	4132.8	3080.6	2253.3	1780.5	1601.3	1521.2	1521.2	1509.8
20°	6786.4	6206.9	4693.4	3378.0	2310.5	1681.3	1425.9	1368.7	1364.9	1361.1	1361.1
22.5°	6588.2	5787.6	4144.3	2684.1	1742.4	1345.9	1239.1	1216.3	1231.5	1277.2	1277.2
25°	6378.5	5383.4	3538.1	2070.3	1349.6	1155.2	1094.2	1109.4	1147.6	1189.5	1174.3
27.5°	6165.0	5120.3	2966.2	1624.1	1105.7	1010.4	987.5	1021.8	1063.7	1101.9	1090.4
30°	6115.4	4838.2	2424.9	1231.5	949.3	880.7	896.0	926.4	968.4	983.6	998.9
32.5°	6191.7	4617.1	1986.4	1010.4	827.4	808.3	808.3	823.5	850.3	884.6	873.1
35°	6409.0	4491.3	1570.8	876.9	758.8	739.7	735.9	751.1	766.3	777.8	766.3
37.5°	6740.7	4392.1	1284.9	777.8	713.0	682.5	674.8	671.0	686.3	690.1	697.7
40°	7163.9	4445.5	1090.4	716.8	667.2	632.9	610.1	610.1	610.1	621.5	625.3
42.5°	7621.4	4517.9	941.8	682.5	625.3	583.3	560.4	552.8	560.4	575.7	571.9
45°	8101.9	4659.1	846.4	629.1	587.1	533.8	503.3	495.6	514.7	545.2	541.4
47.5°	8551.7	4861.1	774.0	594.8	549.0	499.5	461.3	453.7	488.0	529.9	533.8
50°	9001.6	5211.8	747.3	568.1	522.3	465.2	430.8	423.2	461.3	514.7	526.1
52.5°	9520.1	5589.3	728.2	533.8	491.8	438.4	400.3	392.7	434.6	503.3	507.0
55°	9859.5	5909.5	713.0	472.7	434.6	396.5	366.0	362.2	408.0	468.9	484.2
57.5°	9462.9	5463.5	659.6	411.8	369.8	350.8	324.0	324.0	362.2	419.4	430.8
60°	7175.3	3595.3	468.9	331.7	312.6	301.2	289.7	289.7	320.3	362.2	366.0
62.5°	4201.6	1936.8	301.2	266.8	266.8	255.4	236.4	236.4	266.8	289.7	293.6
65°	1246.7	621.5	244.0	228.8	225.0	205.9	186.8	183.0	205.9	217.3	213.5
67.5°	358.4	285.9	202.1	190.7	186.8	156.3	144.9	141.0	144.9	137.3	133.5
70°	213.5	194.4	156.3	160.1	141.0	114.4	102.9	99.2	91.5	80.1	72.4
72.5°	118.2	118.2	114.4	122.0	99.2	76.3	64.8	53.4	42.0	34.3	30.5
75°	72.4	76.3	80.1	83.8	64.8	49.5	42.0	26.7	15.2	7.7	7.7
77.5°	49.5	53.4	57.2	61.0	53.4	45.8	34.3	19.1	3.8	0.0	0.0
80°	38.1	42.0	49.5	53.4	57.2	61.0	45.8	19.1	3.8	0.0	0.0
82.5°	42.0	45.8	57.2	53.4	53.4	53.4	42.0	19.1	3.8	0.0	0.0
85°	7.7	11.4	19.1	19.1	26.7	34.3	26.7	7.7	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)