

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: P652608

Luminaire Tested: **GALN-SA9B-840-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652608
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-SA9B-840-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 800mA 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: 25370.4 lumens
Efficiency: N/A
Efficacy: 69.7 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

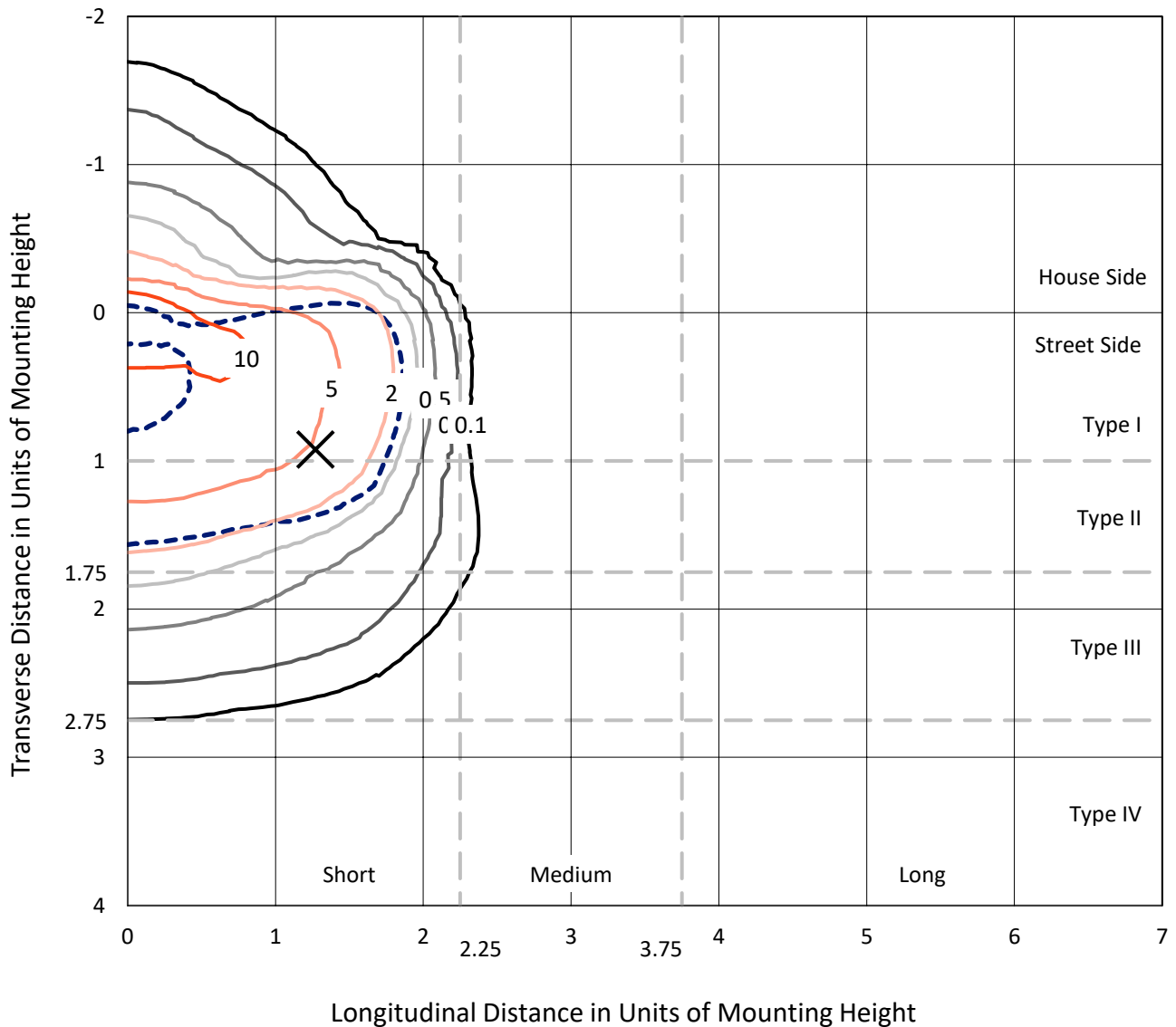
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P652608
 CATALOG NUMBER: GALN-SA9B-840-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

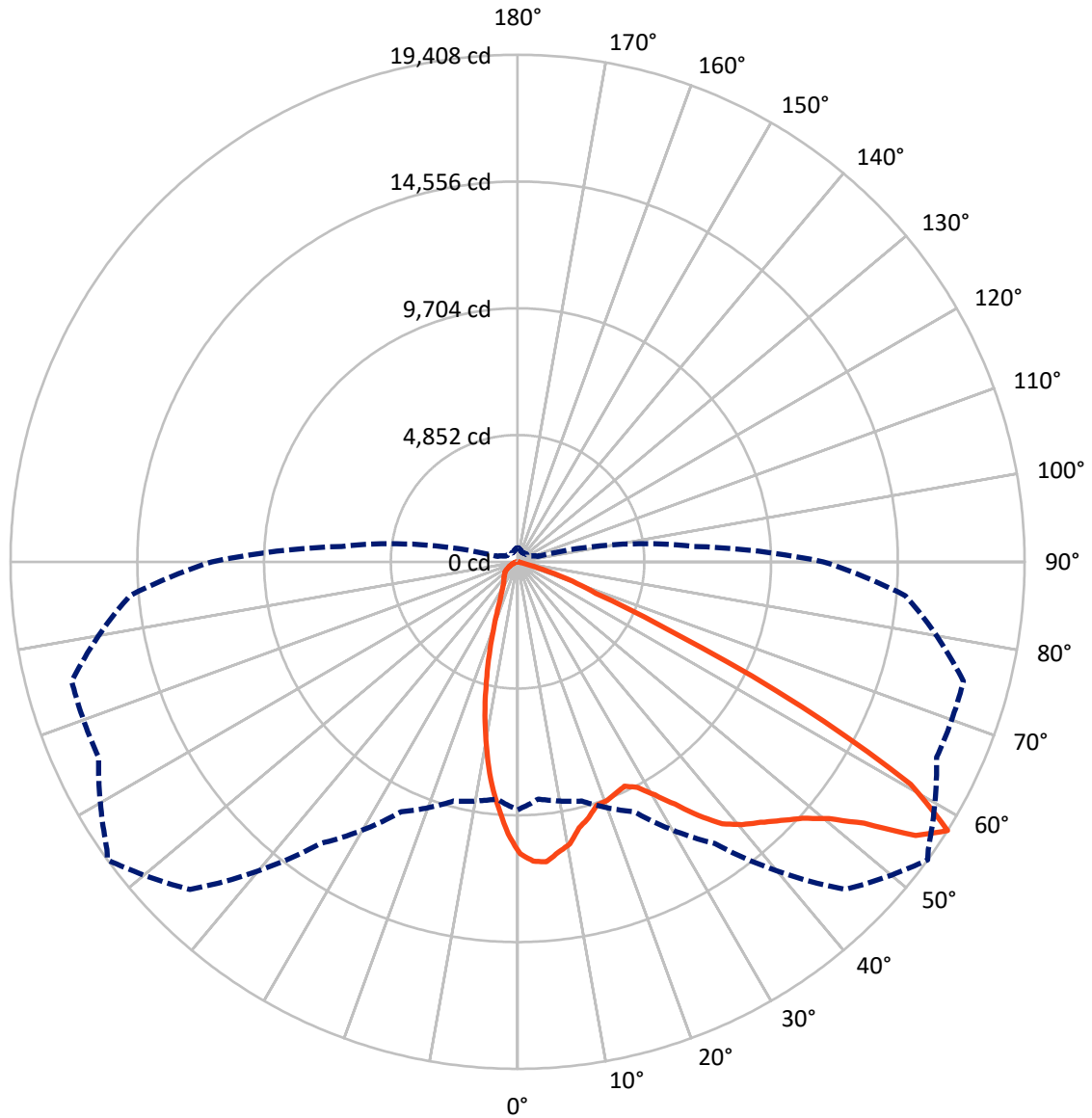
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
 Type II - Short - N/A

REPORT NUMBER: P652608
CATALOG NUMBER: GALN-SA9B-840-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P652608
 CATALOG NUMBER: GALN-SA9B-840-U-SL3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3585.3	0.0	3585.3
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	21785.2	0.0	21785.2
	% Fixture	85.9	0.0	85.9
Total	Lumens	25370.4	0.0	25370.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	935.2	3.7
10°-20°	1996.7	7.9
20°-30°	2646.0	10.4
30°-40°	3845.4	15.2
40°-50°	5702.2	22.5
50°-60°	7130.4	28.1
60°-70°	2812.6	11.1
70°-80°	280.0	1.1
80°-90°	21.8	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°	25370.4	100.0
0°-180°	25370.4	100.0

Coefficient of Utilization



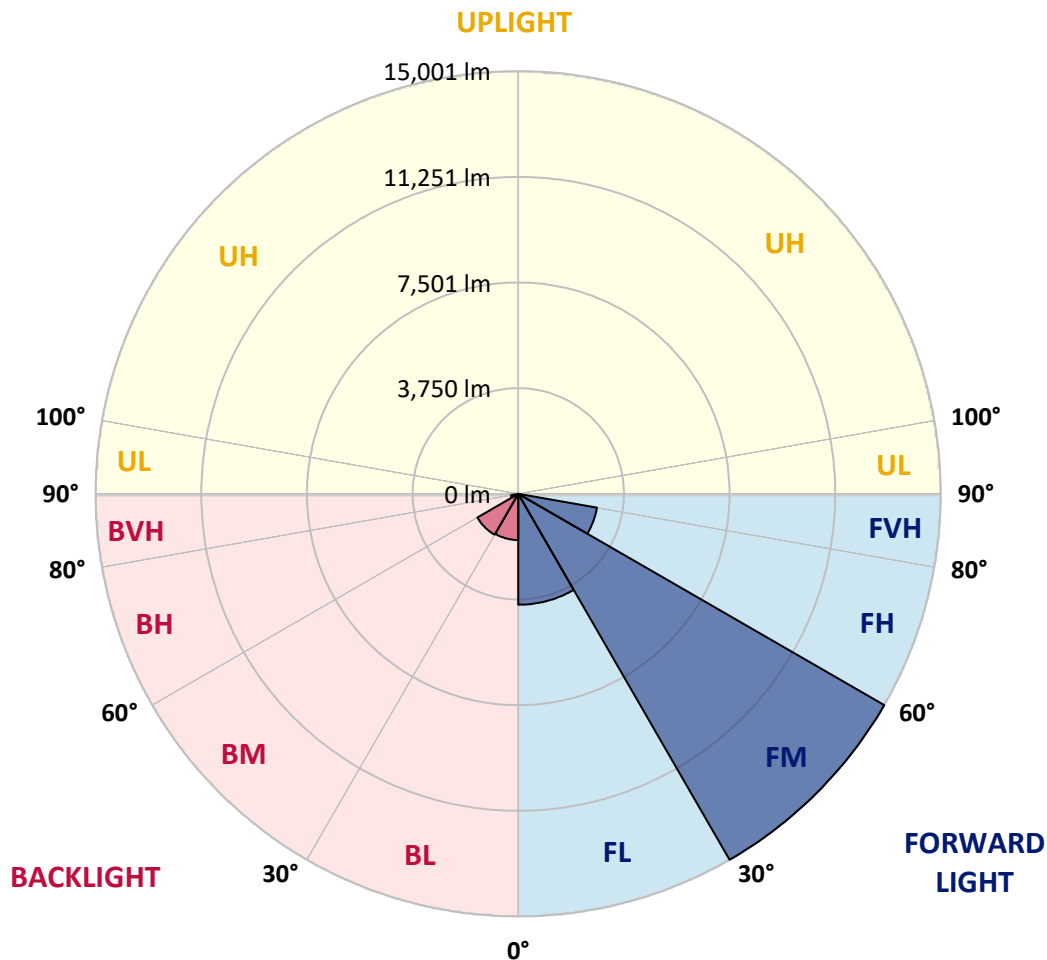
REPORT NUMBER: P652608
 CATALOG NUMBER: GALN-SA9B-840-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3938.2	15.5			
FM	(30°-60°)	15001.5	59.1			
FH	(60°-80°)	2835.6	11.2			G2/5000
FVH	(80°-90°)	9.9	0.0			G0/10
BL	(0°-30°)	1639.7	6.5	B3/2500		
BM	(30°-60°)	1676.6	6.6	B2/2500		
BH	(60°-80°)	257.1	1.0	B1/500		G1/500
BVH	(80°-90°)	11.9	0.0			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: P652608

CATALOG NUMBER: GALN-SA9B-840-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0
2.5°	11827.1	11704.4	11713.9	11671.4	11614.8	11657.2	11473.3	11515.7	11510.9	11260.9	11095.8
5°	11529.9	11662.0	11525.1	11638.3	11529.9	11647.8	11534.6	11449.6	11312.8	11128.9	10822.2
7.5°	11025.1	10897.7	10935.4	11077.0	11100.5	11364.8	11223.2	11331.7	11275.1	10911.8	10492.0
10°	10010.8	9982.5	10171.1	10359.9	10591.0	10874.1	10982.6	10921.3	10878.8	10742.0	10180.6
12.5°	9232.3	9312.6	9307.9	9619.2	10010.8	10171.1	10454.2	10444.8	10680.7	10426.0	9888.1
15°	8491.7	8534.1	8732.3	8925.7	9359.7	9817.3	10166.4	10213.6	10496.7	10317.4	9661.7
17.5°	8038.8	7977.5	8133.1	8364.3	8807.8	9406.9	9793.8	9907.0	10293.8	10256.1	9402.2
20°	7590.6	7590.6	7718.0	7991.6	8397.4	9072.0	9760.7	9727.7	10293.8	10185.4	9123.8
22.5°	7439.7	7515.2	7548.1	7755.8	8236.9	8817.2	9619.2	9680.5	10374.1	10152.3	9001.2
25°	7647.2	7548.1	7557.6	7722.7	8175.6	8694.6	9515.4	9652.2	10520.2	10317.4	8902.2
27.5°	7680.3	7779.3	7807.7	7920.9	8222.8	8732.3	9774.9	10053.2	10883.5	10704.2	8930.4
30°	7968.1	8067.1	8062.4	8255.8	8463.4	9039.0	10355.1	10411.7	11633.6	11190.2	9105.0
32.5°	8317.2	8420.9	8454.0	8680.4	8845.6	9600.4	11062.8	11209.0	12355.5	11954.4	9562.6
35°	8751.2	8713.4	8864.4	9090.9	9444.7	10421.2	11926.1	12171.5	13133.8	12945.1	10034.4
37.5°	9293.7	9246.5	9392.8	9760.7	10242.0	11393.0	12723.4	12883.8	13700.0	13865.1	10907.1
40°	9675.8	9694.7	10138.2	10633.5	11143.0	12317.7	13228.2	13383.8	14096.3	14723.6	11567.6
42.5°	10312.7	10430.7	10963.7	11567.6	12100.6	13011.2	13638.6	13789.5	14280.2	15412.4	12459.2
45°	11237.4	11185.5	11775.2	12449.7	13039.5	13732.9	14124.5	14072.6	14388.8	16096.5	13020.6
47.5°	12426.2	12435.6	12827.2	13402.8	14016.0	14360.4	14667.0	14483.0	14615.2	16818.3	13770.7
50°	13237.6	13308.4	13624.5	14214.2	14520.8	15049.2	15440.8	15327.6	15285.1	17252.3	14242.5
52.5°	13445.2	13657.5	13827.3	14563.3	15280.4	16115.3	16615.5	16856.0	16101.2	17398.5	14841.6
55°	11879.0	12067.7	12666.8	13676.3	15568.1	17804.3	18493.0	18497.8	17167.4	18049.6	15261.5
57.5°	9496.6	9114.4	9482.4	10553.3	13162.2	17733.5	19408.3	19186.5	17700.4	17667.5	14898.2
60°	6566.9	6472.6	6496.1	6920.8	9109.7	14105.7	17294.7	17582.5	16299.3	15313.3	11794.0
62.5°	5203.5	5123.3	5019.5	4972.3	5656.4	8788.9	12199.7	12605.5	11397.7	9930.6	6991.5
65°	4076.0	4028.8	4043.0	4231.7	4227.0	4986.5	6670.7	6505.6	5208.2	3849.6	2198.4
67.5°	2750.4	2821.1	2877.7	3448.6	3741.1	3472.2	3222.1	3127.8	1693.6	712.3	485.9
70°	1547.4	1556.8	1618.2	2156.0	2840.0	2693.7	2222.0	2222.0	844.4	259.4	278.4
72.5°	844.4	816.1	759.5	929.4	1264.4	1283.2	990.7	863.3	250.0	169.8	155.7
75°	410.4	405.7	349.1	287.8	273.7	226.5	174.6	160.4	113.2	108.5	94.4
77.5°	84.9	80.2	42.5	42.5	47.2	51.9	66.0	66.0	80.2	80.2	66.0
80°	0.0	0.0	4.7	18.8	33.1	47.2	56.6	56.6	66.0	66.0	51.9
82.5°	0.0	0.0	4.7	14.1	28.3	42.5	51.9	56.6	66.0	70.7	56.6
85°	0.0	0.0	0.0	9.4	23.5	33.1	28.3	28.3	23.5	18.8	9.4
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: P652608

CATALOG NUMBER: GALN-SA9B-840-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0	11176.0
2.5°	11010.9	11001.5	10784.5	10661.8	10440.1	10246.7	10091.0	9977.7	9977.7	9907.0	9841.0
5°	10699.5	10619.3	10157.0	9859.8	9440.0	9128.6	8916.3	8751.2	8491.7	8562.5	8284.1
7.5°	10312.7	10109.8	9496.6	9043.7	8463.4	8019.9	7567.1	7166.1	6779.2	6604.6	6699.0
10°	9897.6	9543.8	8718.1	8001.1	7279.3	6467.9	5939.5	5297.9	4901.6	4878.1	4774.2
12.5°	9458.8	9057.8	8053.0	7062.3	6114.0	5137.5	4330.7	3731.6	3462.7	3165.5	3222.1
15°	9128.6	8534.1	7312.3	6118.8	4859.1	3873.1	3061.7	2599.4	2344.6	2273.9	2250.3
17.5°	8770.0	8133.1	6557.4	5113.9	3811.8	2788.1	2203.1	1981.4	1882.3	1882.3	1868.2
20°	8397.4	7680.3	5807.4	4179.8	2858.9	2080.5	1764.4	1693.6	1688.9	1684.2	1684.2
22.5°	8152.1	7161.4	5128.1	3321.2	2156.0	1665.3	1533.2	1504.9	1523.8	1580.4	1580.4
25°	7892.5	6661.3	4377.9	2561.7	1670.1	1429.4	1353.9	1372.8	1420.0	1471.9	1453.0
27.5°	7628.4	6335.8	3670.3	2009.7	1368.1	1250.1	1221.9	1264.4	1316.2	1363.4	1349.2
30°	7567.1	5986.7	3000.4	1523.8	1174.7	1089.8	1108.6	1146.4	1198.3	1217.2	1236.0
32.5°	7661.4	5713.0	2457.9	1250.1	1023.7	1000.1	1000.1	1019.0	1052.0	1094.5	1080.3
35°	7930.3	5557.3	1943.6	1085.1	938.8	915.2	910.5	929.4	948.2	962.4	948.2
37.5°	8340.7	5434.7	1589.8	962.4	882.2	844.4	835.0	830.3	849.2	853.9	863.3
40°	8864.4	5500.7	1349.2	886.9	825.6	783.1	754.8	754.8	754.8	769.0	773.7
42.5°	9430.5	5590.4	1165.3	844.4	773.7	721.8	693.5	684.1	693.5	712.3	707.6
45°	10024.9	5764.9	1047.3	778.4	726.5	660.4	622.8	613.3	636.9	674.7	669.9
47.5°	10581.6	6014.9	957.6	736.0	679.4	618.0	570.9	561.4	603.8	655.7	660.4
50°	11138.3	6449.0	924.7	702.9	646.3	575.6	533.1	523.7	570.9	636.9	651.0
52.5°	11779.9	6916.0	901.0	660.4	608.5	542.5	495.3	485.9	537.8	622.8	627.5
55°	12199.7	7312.3	882.2	585.0	537.8	490.6	452.9	448.2	504.8	580.3	599.1
57.5°	11709.1	6760.4	816.1	509.5	457.6	434.0	401.0	401.0	448.2	518.9	533.1
60°	8878.5	4448.7	580.3	410.4	386.9	372.7	358.5	358.5	396.3	448.2	452.9
62.5°	5198.8	2396.5	372.7	330.3	330.3	316.0	292.5	292.5	330.3	358.5	363.2
65°	1542.6	769.0	301.9	283.1	278.4	254.7	231.2	226.5	254.7	268.9	264.2
67.5°	443.5	353.8	250.0	235.9	231.2	193.4	179.3	174.6	179.3	169.8	165.1
70°	264.2	240.6	193.4	198.1	174.6	141.5	127.4	122.6	113.2	99.1	89.7
72.5°	146.2	146.2	141.5	151.0	122.6	94.4	80.2	66.0	51.9	42.5	37.8
75°	89.7	94.4	99.1	103.8	80.2	61.3	51.9	33.1	18.8	9.4	9.4
77.5°	61.3	66.0	70.7	75.5	66.0	56.6	42.5	23.5	4.7	0.0	0.0
80°	47.2	51.9	61.3	66.0	70.7	75.5	56.6	23.5	4.7	0.0	0.0
82.5°	51.9	56.6	70.7	66.0	66.0	66.0	51.9	23.5	4.7	0.0	0.0
85°	9.4	14.1	23.5	23.5	33.1	42.5	33.1	9.4	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)