

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: P531259

Luminaire Tested: **GALN-SA6C-735-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531259
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-SA6C-735-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 23192 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

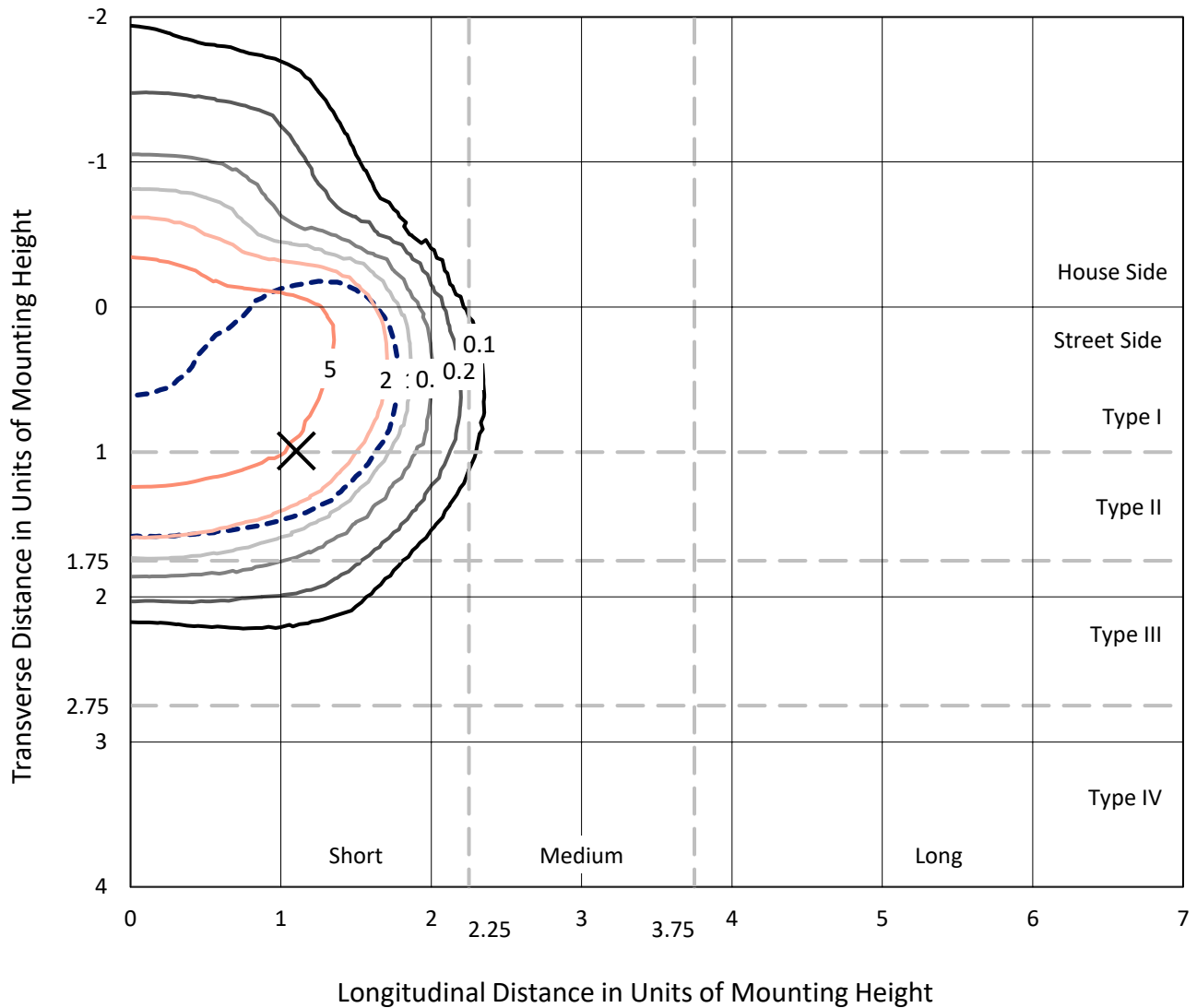
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531259
 CATALOG NUMBER: GALN-SA6C-735-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

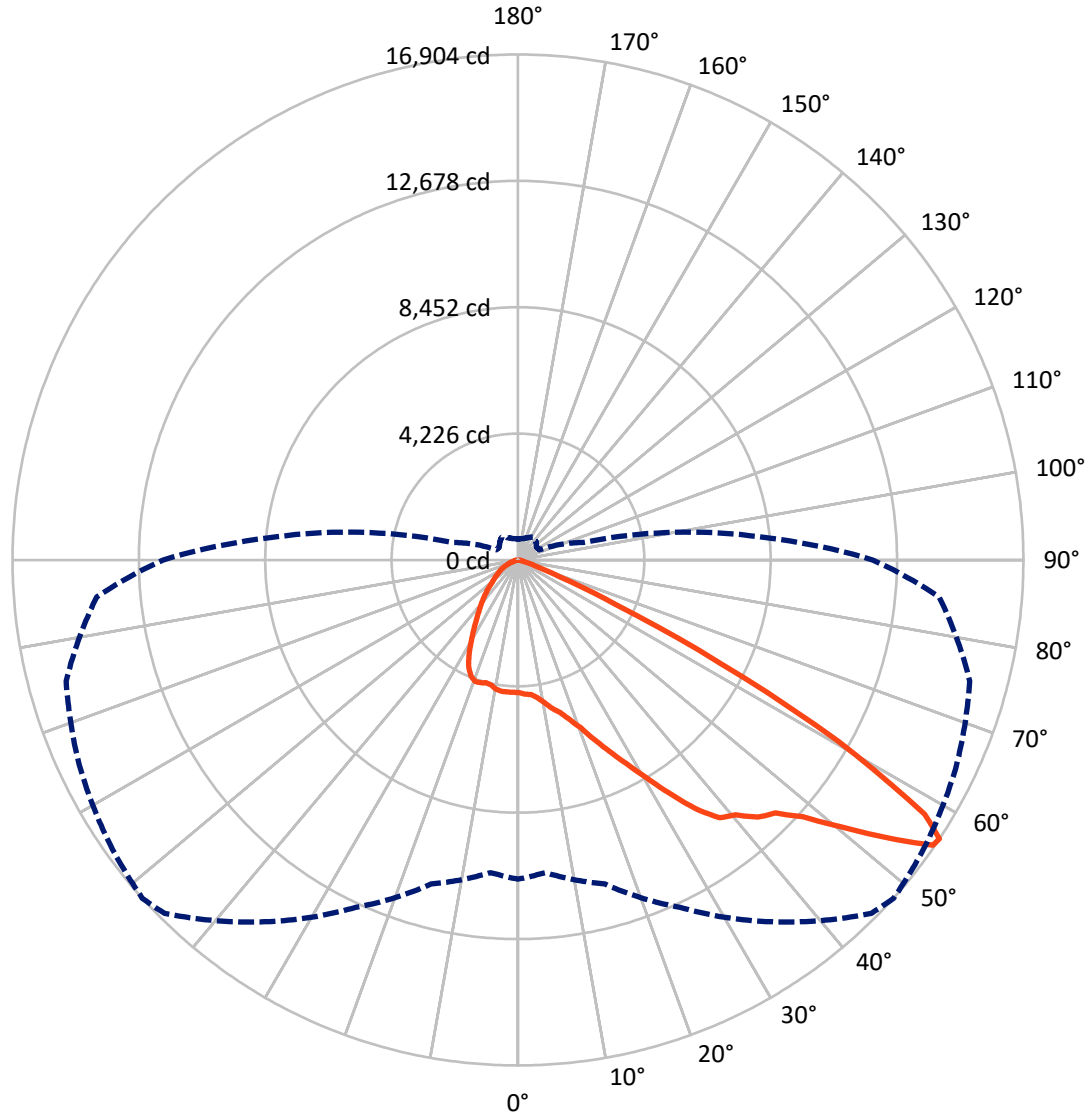
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

REPORT NUMBER: P531259
CATALOG NUMBER: GALN-SA6C-735-U-T3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P531259
 CATALOG NUMBER: GALN-SA6C-735-U-T3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5043.8	0.0	5043.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	18148.2	0.0	18148.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	23192.0	0.0	23192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.5	1.9
10°-20°	1379.0	5.9
20°-30°	2501.2	10.8
30°-40°	3928.9	16.9
40°-50°	5731.6	24.7
50°-60°	6905.5	29.8
60°-70°	2021.9	8.7
70°-80°	256.5	1.1
80°-90°	36.0	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°	23192.0	100.0
0°-180°	23192.0	100.0

Coefficient of Utilization

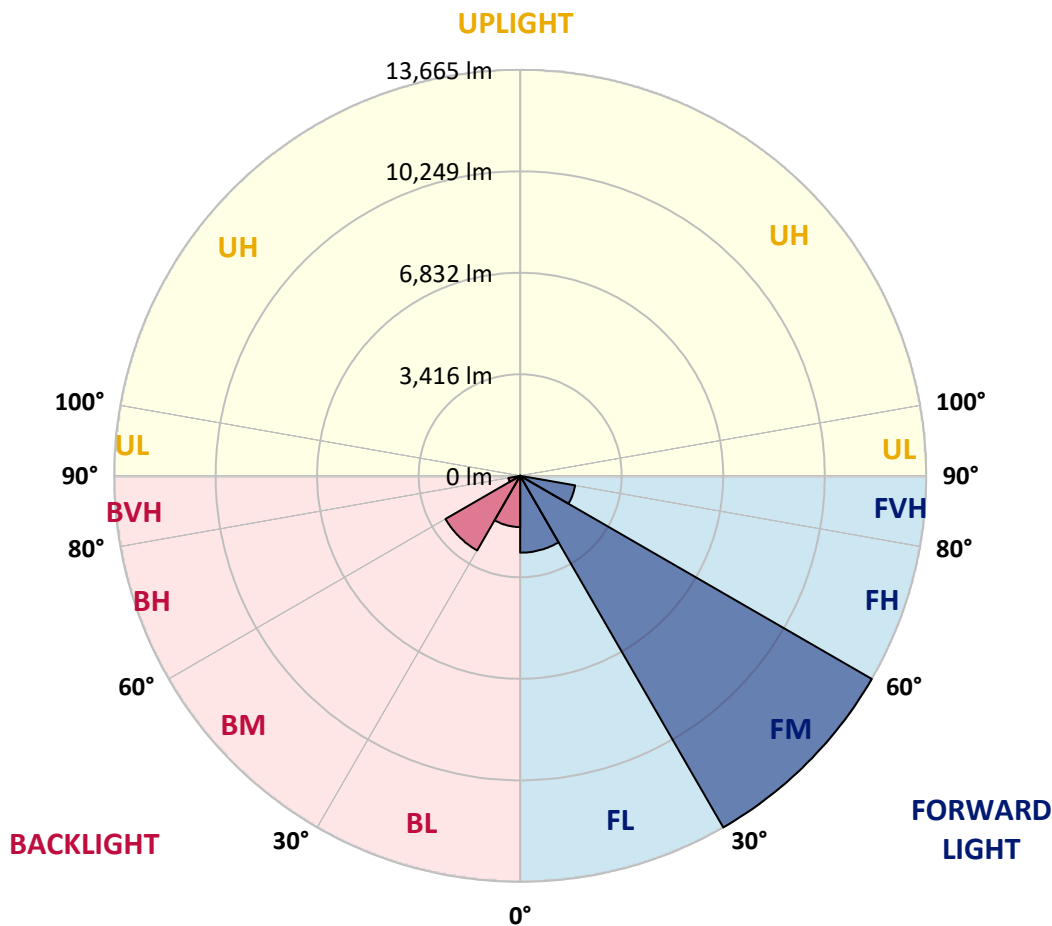


REPORT NUMBER: P531259
 CATALOG NUMBER: GALN-SA6C-735-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2587.8	11.2			
FM (30°-60°)	13664.8	58.9			
FH (60°-80°)	1877.6	8.1			G2/5000
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	1724.0	7.4	B3/2500		
BM (30°-60°)	2901.2	12.5	B3/5000		
BH (60°-80°)	400.8	1.7	B1/500		G1/500
BVH (80°-90°)	17.9	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: P531259

CATALOG NUMBER: GALN-SA6C-735-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7
2.5°	4509.9	4488.8	4488.8	4455.0	4493.0	4476.1	4488.8	4446.6	4488.8	4425.5	4476.1
5°	4531.0	4535.3	4518.4	4539.5	4539.5	4564.8	4522.6	4560.6	4581.7	4535.3	4514.1
7.5°	4640.8	4649.3	4645.0	4628.2	4661.9	4657.7	4653.5	4623.9	4632.4	4615.5	4590.1
10°	4856.2	4852.0	4873.1	4830.8	4805.5	4835.1	4843.5	4797.1	4763.3	4750.6	4670.4
12.5°	5168.7	5118.0	5088.4	5046.2	5058.9	5016.6	5092.7	5012.4	4995.5	4919.5	4839.3
15°	5422.0	5413.6	5417.8	5350.2	5274.2	5291.1	5291.1	5248.9	5223.6	5130.7	5016.6
17.5°	5941.4	5764.1	5802.1	5717.6	5654.3	5650.1	5612.1	5620.5	5552.9	5358.7	5185.6
20°	6346.8	6270.8	6211.7	6068.1	5971.0	6000.6	5983.7	5941.4	5920.3	5667.0	5422.0
22.5°	6710.0	6735.3	6638.2	6600.2	6465.1	6477.7	6511.5	6473.5	6313.0	6051.2	5688.1
25°	7220.9	7191.4	7060.5	7014.0	6887.3	6933.8	7064.7	7035.1	6933.8	6460.8	5895.0
27.5°	7824.8	7723.4	7748.8	7537.6	7415.2	7546.1	7702.3	7850.1	7563.0	6942.2	6139.9
30°	8251.3	8145.7	8137.3	8128.8	8099.3	8251.3	8432.9	8568.0	8335.7	7423.6	6545.3
32.5°	8462.4	8487.8	8559.5	8534.2	8791.8	9104.3	9294.3	9488.6	9197.2	8209.1	7081.6
35°	9024.1	8863.6	9024.1	9040.9	9307.0	9970.0	10210.6	10675.2	10603.4	9319.6	7736.1
37.5°	9353.4	9340.8	9361.9	9522.3	9779.9	10599.1	10941.2	11300.1	11165.0	9986.8	8551.1
40°	9898.2	9931.9	9927.7	10050.2	10333.1	11072.1	11211.4	11502.8	11515.5	10911.6	9750.4
42.5°	10772.3	10637.1	10548.5	10675.2	11072.1	11481.7	11760.4	11701.3	12119.3	12034.9	11291.7
45°	11557.7	11637.9	11507.0	11718.2	11861.8	12081.3	12072.9	12199.6	12731.6	13132.8	12452.9
47.5°	12292.5	12343.1	12406.5	12550.1	12862.5	12896.3	12824.5	12769.6	13504.4	13918.2	13352.4
50°	12731.6	12778.1	13073.7	13331.3	13914.0	13990.0	14032.3	13892.9	14391.2	14437.6	14201.2
52.5°	12613.4	12664.1	13077.9	13926.7	14855.7	15552.4	15425.8	15189.3	15159.7	15341.3	14986.6
55°	11566.2	11519.7	12089.8	13411.5	15151.3	16823.5	16840.4	16591.2	16114.1	15991.6	14868.4
56°	10675.2	10493.6	11219.9	12816.1	14771.2	16713.7	16903.7	16637.7	16190.1	15641.1	14137.8
57.5°	8745.3	8918.5	9640.6	10962.3	13458.0	15924.1	16033.8	15970.5	15632.7	14712.1	12440.3
60°	4822.4	5126.4	5764.1	7381.4	9581.5	12220.7	12309.4	12824.5	12887.9	11266.3	8559.5
62.5°	2048.0	2014.3	2677.2	3868.1	5455.8	7377.2	7541.9	8069.7	8166.8	6494.6	4294.6
65°	831.9	878.3	1211.9	1946.7	2884.1	3361.3	3593.6	3766.7	4087.6	2681.5	1583.5
67.5°	549.0	544.7	713.6	1110.6	1554.0	1499.1	1499.1	1583.5	1465.3	1093.7	684.1
70°	392.7	405.4	511.0	768.5	967.0	717.9	688.3	658.8	747.4	722.1	553.2
72.5°	257.6	274.5	342.0	460.3	502.5	392.7	392.7	472.9	616.5	582.7	451.8
75°	168.9	173.1	211.1	266.0	249.1	202.7	223.8	316.7	447.6	430.7	320.9
77.5°	114.0	118.2	143.6	173.1	139.4	114.0	122.5	160.5	219.6	219.6	168.9
80°	42.2	46.5	59.1	54.9	63.3	80.2	88.7	109.8	130.9	130.9	114.0
82.5°	0.0	4.2	12.7	29.6	46.5	63.3	71.8	84.5	97.1	109.8	105.6
85°	0.0	4.2	12.7	21.1	33.8	38.0	42.2	29.6	25.3	25.3	21.1
87.5°	0.0	0.0	4.2	4.2	4.2	4.2	4.2	4.2	8.4	4.2	4.2
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: P531259

CATALOG NUMBER: GALN-SA6C-735-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7	4429.7
2.5°	4429.7	4425.5	4425.5	4412.8	4438.1	4425.5	4433.9	4429.7	4374.8	4417.0	4387.5
5°	4476.1	4505.7	4459.2	4450.8	4417.0	4429.7	4429.7	4387.5	4425.5	4421.2	4412.8
7.5°	4594.4	4543.7	4493.0	4442.4	4433.9	4421.2	4374.8	4357.9	4387.5	4353.7	4404.3
10°	4645.0	4653.5	4577.5	4509.9	4446.6	4357.9	4294.6	4256.5	4210.1	4260.8	4290.3
12.5°	4877.3	4792.8	4661.9	4556.4	4341.0	4252.3	4189.0	4172.1	4252.3	4269.2	4239.7
15°	4957.5	4944.9	4775.9	4539.5	4315.7	4210.1	4222.8	4189.0	4197.4	4155.2	4163.6
17.5°	5122.2	4978.6	4780.2	4484.6	4311.4	4286.1	4210.1	4075.0	3999.0	3965.2	3994.7
20°	5303.8	5164.4	4877.3	4505.7	4349.4	4281.9	4032.7	3868.1	3711.8	3627.4	3631.6
22.5°	5464.3	5291.1	4835.1	4514.1	4383.2	4104.5	3804.7	3479.6	3285.3	3154.4	3158.6
25°	5658.5	5413.6	4852.0	4531.0	4294.6	3821.6	3390.9	3074.2	2841.9	2753.2	2782.8
27.5°	5768.3	5489.6	4944.9	4569.0	4062.3	3420.4	2955.9	2660.3	2525.2	2483.0	2478.8
30°	6097.7	5658.5	5058.9	4493.0	3673.8	2989.7	2559.0	2377.4	2246.5	2208.5	2217.0
32.5°	6587.5	5966.8	5206.7	4294.6	3276.9	2605.4	2301.4	2166.3	2043.8	1972.0	1963.6
35°	6997.1	6494.6	5362.9	3986.3	2816.6	2309.9	2119.8	1950.9	1765.1	1684.9	1663.8
37.5°	7778.3	7090.0	5329.1	3521.8	2377.4	2090.3	1925.6	1718.7	1558.2	1448.4	1435.7
40°	8817.1	7786.8	5164.4	2955.9	2052.3	1896.0	1718.7	1520.2	1321.7	1228.8	1220.4
42.5°	10079.7	8639.8	4864.6	2381.6	1727.1	1701.8	1541.3	1313.3	1135.9	1068.4	1072.6
45°	11105.9	9370.3	4560.6	1912.9	1486.4	1511.8	1372.4	1157.0	1034.6	979.7	979.7
47.5°	12018.0	9864.4	4231.2	1579.3	1262.6	1321.7	1199.3	1072.6	967.0	924.8	916.3
50°	12896.3	10366.9	3901.8	1279.5	1076.8	1135.9	1123.3	1021.9	937.5	886.8	891.0
52.5°	13445.3	10447.1	3483.8	1047.2	941.7	1009.2	1051.5	958.6	865.7	836.1	827.7
55°	12773.9	9412.5	2702.6	861.4	798.1	886.8	967.0	861.4	789.7	739.0	734.8
56°	11870.2	8416.0	2259.2	793.9	755.9	853.0	937.5	823.4	743.2	713.6	692.5
57.5°	10050.2	6887.3	1668.0	705.2	701.0	793.9	891.0	785.4	692.5	667.2	667.2
60°	6266.6	3876.5	1009.2	591.2	608.1	705.2	802.3	701.0	616.5	616.5	629.2
62.5°	2854.6	1613.1	612.3	502.5	523.6	608.1	713.6	633.4	587.0	633.4	641.9
65°	971.2	696.8	443.4	401.2	413.8	502.5	612.3	641.9	637.6	667.2	684.1
67.5°	544.7	447.6	371.6	333.6	325.2	371.6	502.5	641.9	616.5	603.9	612.3
70°	460.3	380.0	329.4	295.6	282.9	299.8	388.5	485.6	434.9	422.3	413.8
72.5°	371.6	316.7	287.1	266.0	228.0	194.2	177.4	185.8	206.9	219.6	240.7
75°	261.8	240.7	240.7	215.4	164.7	122.5	97.1	80.2	54.9	38.0	42.2
77.5°	147.8	147.8	152.0	130.9	105.6	80.2	59.1	42.2	21.1	8.4	4.2
80°	101.3	109.8	118.2	105.6	88.7	71.8	50.7	29.6	12.7	0.0	0.0
82.5°	101.3	114.0	122.5	105.6	88.7	67.6	50.7	29.6	12.7	4.2	0.0
85°	21.1	25.3	29.6	33.8	50.7	50.7	38.0	25.3	12.7	4.2	0.0
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	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)