

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: P532845

Luminaire Tested: **GALN-SA8B-727-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532845
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-SA8B-727-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 800mA 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: 22948 lumens
Efficiency: N/A
Efficacy: 70.6 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

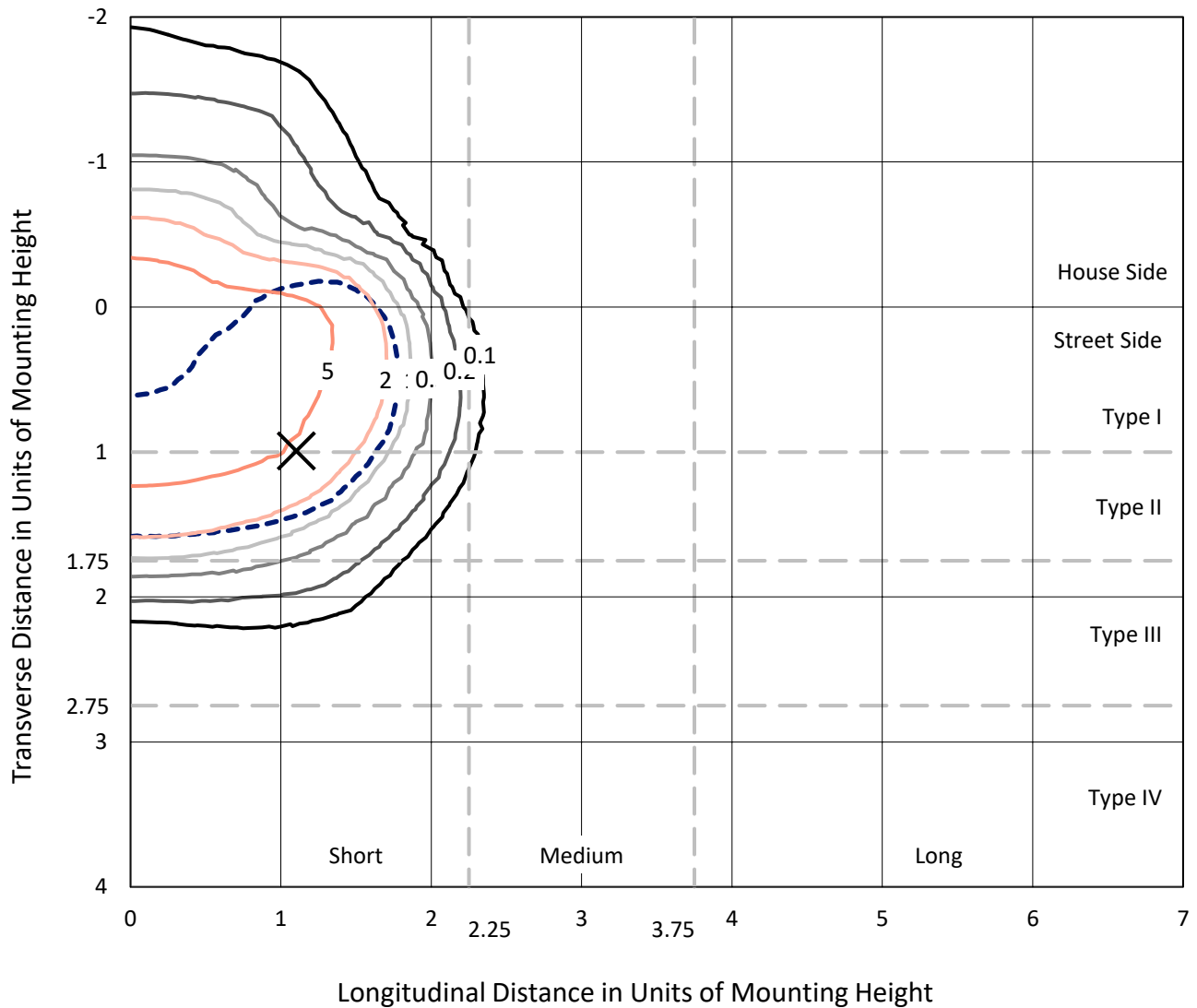
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532845
 CATALOG NUMBER: GALN-SA8B-727-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

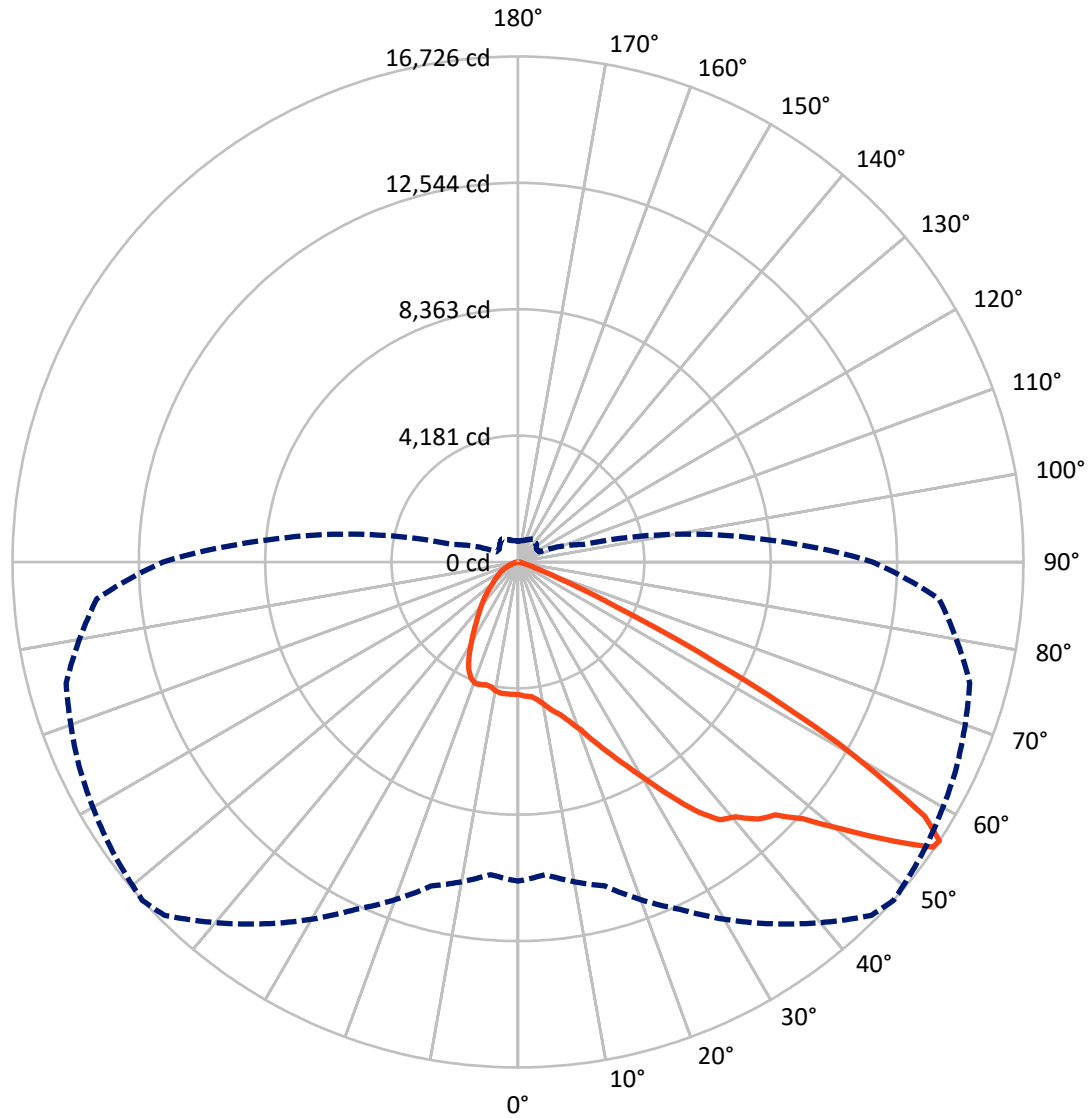
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - N/A

REPORT NUMBER: P532845
CATALOG NUMBER: GALN-SA8B-727-U-T3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P532845
 CATALOG NUMBER: GALN-SA8B-727-U-T3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4990.8	0.0	4990.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	17957.2	0.0	17957.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	22948.0	0.0	22948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.0	1.9
10°-20°	1364.5	5.9
20°-30°	2474.9	10.8
30°-40°	3887.6	16.9
40°-50°	5671.3	24.7
50°-60°	6832.8	29.8
60°-70°	2000.6	8.7
70°-80°	253.8	1.1
80°-90°	35.6	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°	22948.0	100.0
0°-180°	22948.0	100.0

Coefficient of Utilization

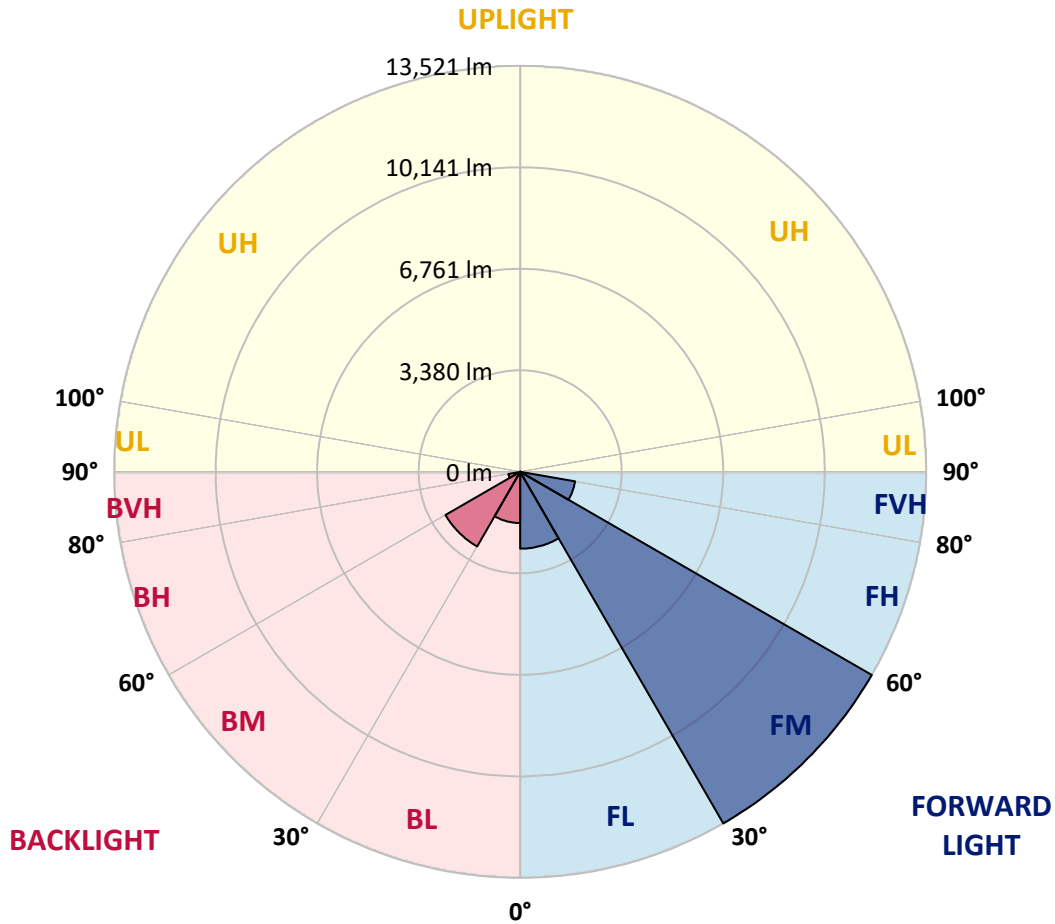


REPORT NUMBER: P532845
 CATALOG NUMBER: GALN-SA8B-727-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2560.5	11.2			
FM (30°-60°)	13521.0	58.9			
FH (60°-80°)	1857.8	8.1			G2/5000
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	1705.8	7.4	B3/2500		
BM (30°-60°)	2870.7	12.5	B3/5000		
BH (60°-80°)	396.6	1.7	B1/500		G1/500
BVH (80°-90°)	17.7	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: P532845

CATALOG NUMBER: GALN-SA8B-727-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1
2.5°	4462.5	4441.6	4441.6	4408.1	4445.8	4429.0	4441.6	4399.8	4441.6	4378.9	4429.0
5°	4483.4	4487.5	4470.8	4491.7	4491.7	4516.8	4475.0	4512.6	4533.5	4487.5	4466.6
7.5°	4592.0	4600.4	4596.2	4579.5	4612.9	4608.7	4604.5	4575.3	4583.6	4566.9	4541.9
10°	4805.1	4800.9	4821.8	4780.0	4755.0	4784.2	4792.6	4746.6	4713.2	4700.6	4621.2
12.5°	5114.3	5064.1	5034.9	4993.1	5005.7	4963.9	5039.1	4959.7	4943.0	4867.8	4788.4
15°	5365.0	5356.6	5360.8	5294.0	5218.7	5235.5	5235.5	5193.7	5168.6	5076.7	4963.9
17.5°	5878.9	5703.4	5741.0	5657.5	5594.8	5590.6	5553.0	5561.4	5494.5	5302.3	5131.0
20°	6280.0	6204.8	6146.3	6004.3	5908.2	5937.4	5920.7	5878.9	5858.0	5607.3	5365.0
22.5°	6639.4	6664.5	6568.3	6530.7	6397.0	6409.6	6443.0	6405.4	6246.6	5987.6	5628.2
25°	7145.0	7115.7	6986.2	6940.2	6814.9	6860.8	6990.4	6961.1	6860.8	6392.9	5833.0
27.5°	7742.5	7642.2	7667.3	7458.3	7337.2	7466.7	7621.3	7767.5	7483.4	6869.2	6075.3
30°	8164.5	8060.0	8051.7	8043.3	8014.1	8164.5	8344.1	8477.9	8248.0	7345.5	6476.4
32.5°	8373.4	8398.5	8469.5	8444.4	8699.3	9008.5	9196.5	9388.7	9100.4	8122.7	7007.1
35°	8929.1	8770.3	8929.1	8945.8	9209.1	9865.1	10103.2	10562.8	10491.8	9221.6	7654.7
37.5°	9255.0	9242.5	9263.4	9422.2	9677.0	10487.6	10826.1	11181.2	11047.5	9881.8	8461.1
40°	9794.0	9827.5	9823.3	9944.4	10224.4	10955.6	11093.5	11381.8	11394.3	10796.8	9647.8
42.5°	10658.9	10525.2	10437.5	10562.8	10955.6	11360.9	11636.7	11578.2	11991.8	11908.3	11172.9
45°	11436.1	11515.5	11386.0	11594.9	11737.0	11954.2	11945.9	12071.2	12597.7	12994.6	12321.9
47.5°	12163.1	12213.3	12276.0	12418.0	12727.2	12760.6	12689.6	12635.3	13362.3	13771.8	13211.9
50°	12597.7	12643.7	12936.1	13191.0	13767.6	13842.8	13884.6	13746.7	14239.8	14285.7	14051.8
52.5°	12480.7	12530.8	12940.3	13780.2	14699.4	15388.8	15263.5	15029.5	15000.2	15179.9	14828.9
55°	11444.5	11398.5	11962.6	13270.4	14991.9	16646.5	16663.2	16416.7	15944.5	15823.4	14711.9
56°	10562.8	10383.2	11101.8	12681.3	14615.8	16537.9	16725.9	16462.7	16019.8	15476.6	13989.1
57.5°	8653.3	8824.7	9539.1	10847.0	13316.4	15756.5	15865.2	15802.5	15468.2	14557.3	12309.4
60°	4771.7	5072.5	5703.4	7303.7	9480.7	12092.1	12179.9	12689.6	12752.3	11147.8	8469.5
62.5°	2026.5	1993.1	2649.1	3827.4	5398.4	7299.6	7462.5	7984.8	8080.9	6426.3	4249.4
65°	823.1	869.1	1199.2	1926.2	2853.8	3326.0	3555.8	3727.1	4044.6	2653.2	1566.9
67.5°	543.2	539.0	706.1	1098.9	1537.6	1483.3	1483.3	1566.9	1449.9	1082.2	676.9
70°	388.6	401.1	505.6	760.5	956.8	710.3	681.1	651.8	739.6	714.5	547.4
72.5°	254.9	271.6	338.4	455.4	497.2	388.6	388.6	468.0	610.0	576.6	447.1
75°	167.1	171.3	208.9	263.2	246.5	200.6	221.5	313.4	442.9	426.2	317.6
77.5°	112.8	117.0	142.1	171.3	137.9	112.8	121.2	158.8	217.3	217.3	167.1
80°	41.8	46.0	58.5	54.3	62.7	79.4	87.7	108.6	129.5	129.5	112.8
82.5°	0.0	4.2	12.5	29.2	46.0	62.7	71.0	83.6	96.1	108.6	104.5
85°	0.0	4.2	12.5	20.9	33.4	37.6	41.8	29.2	25.1	25.1	20.9
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: P532845

CATALOG NUMBER: GALN-SA8B-727-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1
2.5°	4383.1	4378.9	4378.9	4366.4	4391.4	4378.9	4387.3	4383.1	4328.8	4370.5	4341.3
5°	4429.0	4458.3	4412.3	4404.0	4370.5	4383.1	4383.1	4341.3	4378.9	4374.7	4366.4
7.5°	4546.0	4495.9	4445.8	4395.6	4387.3	4374.7	4328.8	4312.0	4341.3	4307.9	4358.0
10°	4596.2	4604.5	4529.3	4462.5	4399.8	4312.0	4249.4	4211.8	4165.8	4215.9	4245.2
12.5°	4826.0	4742.4	4612.9	4508.4	4295.3	4207.6	4144.9	4128.2	4207.6	4224.3	4195.1
15°	4905.4	4892.8	4725.7	4491.7	4270.3	4165.8	4178.3	4144.9	4153.3	4111.5	4119.8
17.5°	5068.3	4926.3	4729.9	4437.4	4266.1	4241.0	4165.8	4032.1	3956.9	3923.5	3952.7
20°	5248.0	5110.1	4826.0	4458.3	4303.7	4236.8	3990.3	3827.4	3672.8	3589.2	3593.4
22.5°	5406.8	5235.5	4784.2	4466.6	4337.1	4061.3	3764.7	3443.0	3250.7	3121.2	3125.4
25°	5599.0	5356.6	4800.9	4483.4	4249.4	3781.4	3355.2	3041.8	2812.0	2724.3	2753.5
27.5°	5707.6	5431.8	4892.8	4521.0	4019.6	3384.5	2924.8	2632.4	2498.6	2456.9	2452.7
30°	6033.5	5599.0	5005.7	4445.8	3635.2	2958.3	2532.1	2352.4	2222.9	2185.3	2193.6
32.5°	6518.2	5904.0	5151.9	4249.4	3242.4	2578.0	2277.2	2143.5	2022.3	1951.3	1942.9
35°	6923.5	6426.3	5306.5	3944.4	2787.0	2285.6	2097.5	1930.4	1746.5	1667.2	1646.3
37.5°	7696.5	7015.4	5273.1	3484.7	2352.4	2068.3	1905.3	1700.6	1541.8	1433.2	1420.6
40°	8724.4	7704.9	5110.1	2924.8	2030.7	1876.1	1700.6	1504.2	1307.8	1215.9	1207.5
42.5°	9973.7	8548.9	4813.4	2356.6	1708.9	1683.9	1525.1	1299.5	1124.0	1057.1	1061.3
45°	10989.0	9271.7	4512.6	1892.8	1470.8	1495.8	1358.0	1144.9	1023.7	969.4	969.4
47.5°	11891.6	9760.6	4186.7	1562.7	1249.3	1307.8	1186.6	1061.3	956.8	915.1	906.7
50°	12760.6	10257.8	3860.8	1266.0	1065.5	1124.0	1111.4	1011.2	927.6	877.5	881.6
52.5°	13303.8	10337.2	3447.1	1036.2	931.8	998.6	1040.4	948.5	856.6	827.3	819.0
55°	12639.5	9313.5	2674.1	852.4	789.7	877.5	956.8	852.4	781.3	731.2	727.0
56°	11745.3	8327.4	2235.4	785.5	747.9	844.0	927.6	814.8	735.4	706.1	685.2
57.5°	9944.4	6814.9	1650.4	697.8	693.6	785.5	881.6	777.2	685.2	660.2	660.2
60°	6200.7	3835.7	998.6	585.0	601.7	697.8	793.9	693.6	610.0	610.0	622.6
62.5°	2824.6	1596.1	605.9	497.2	518.1	601.7	706.1	626.8	580.8	626.8	635.1
65°	961.0	689.4	438.7	396.9	409.5	497.2	605.9	635.1	630.9	660.2	676.9
67.5°	539.0	442.9	367.7	330.1	321.7	367.7	497.2	635.1	610.0	597.5	605.9
70°	455.4	376.1	325.9	292.5	279.9	296.7	384.4	480.5	430.4	417.8	409.5
72.5°	367.7	313.4	284.1	263.2	225.6	192.2	175.5	183.8	204.7	217.3	238.2
75°	259.1	238.2	238.2	213.1	163.0	121.2	96.1	79.4	54.3	37.6	41.8
77.5°	146.2	146.2	150.4	129.5	104.5	79.4	58.5	41.8	20.9	8.4	4.2
80°	100.3	108.6	117.0	104.5	87.7	71.0	50.1	29.2	12.5	0.0	0.0
82.5°	100.3	112.8	121.2	104.5	87.7	66.9	50.1	29.2	12.5	4.2	0.0
85°	20.9	25.1	29.2	33.4	50.1	50.1	37.6	25.1	12.5	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)