

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642215

Luminaire Tested: GWS-SA6C-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22997.5 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

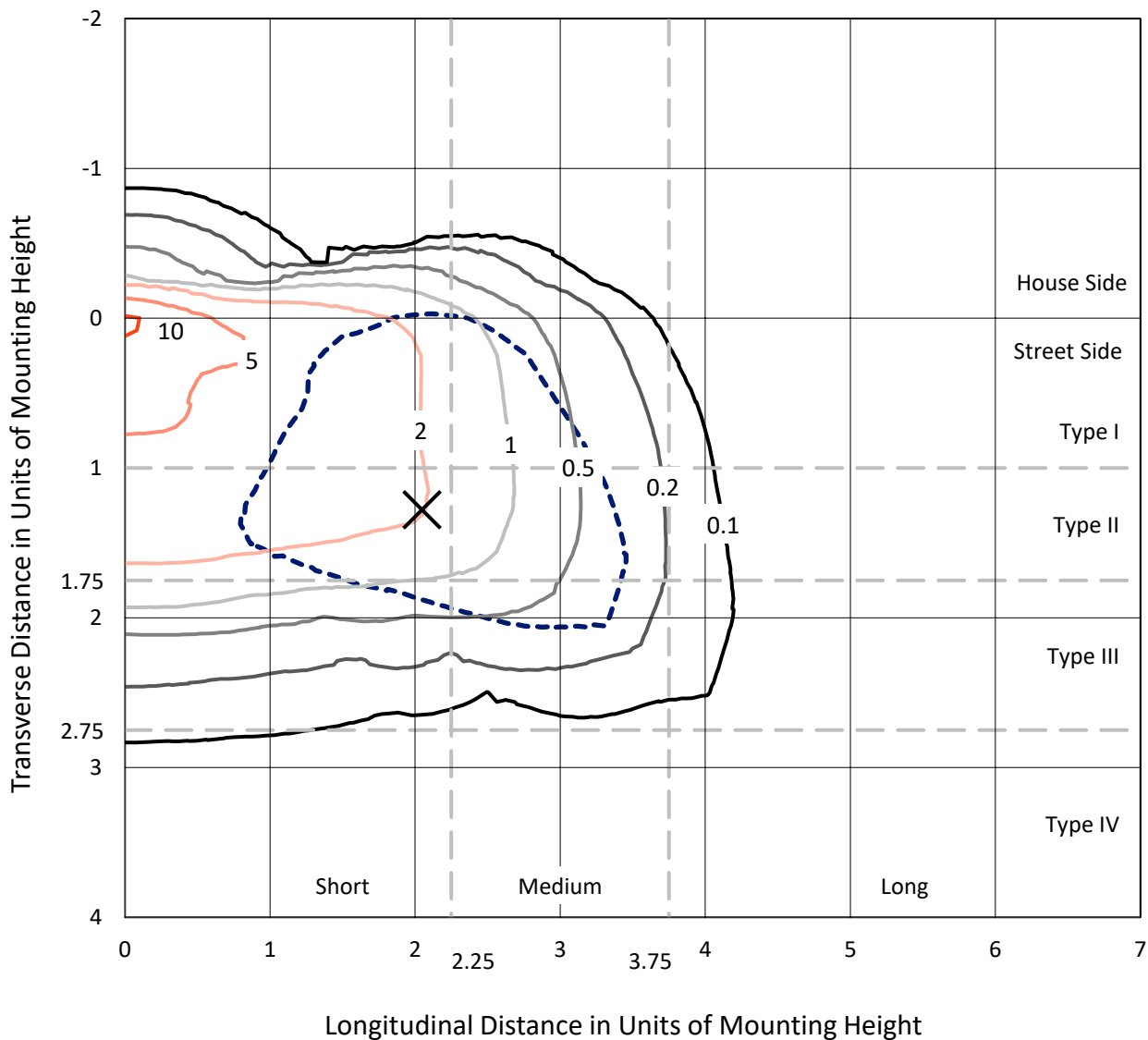
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

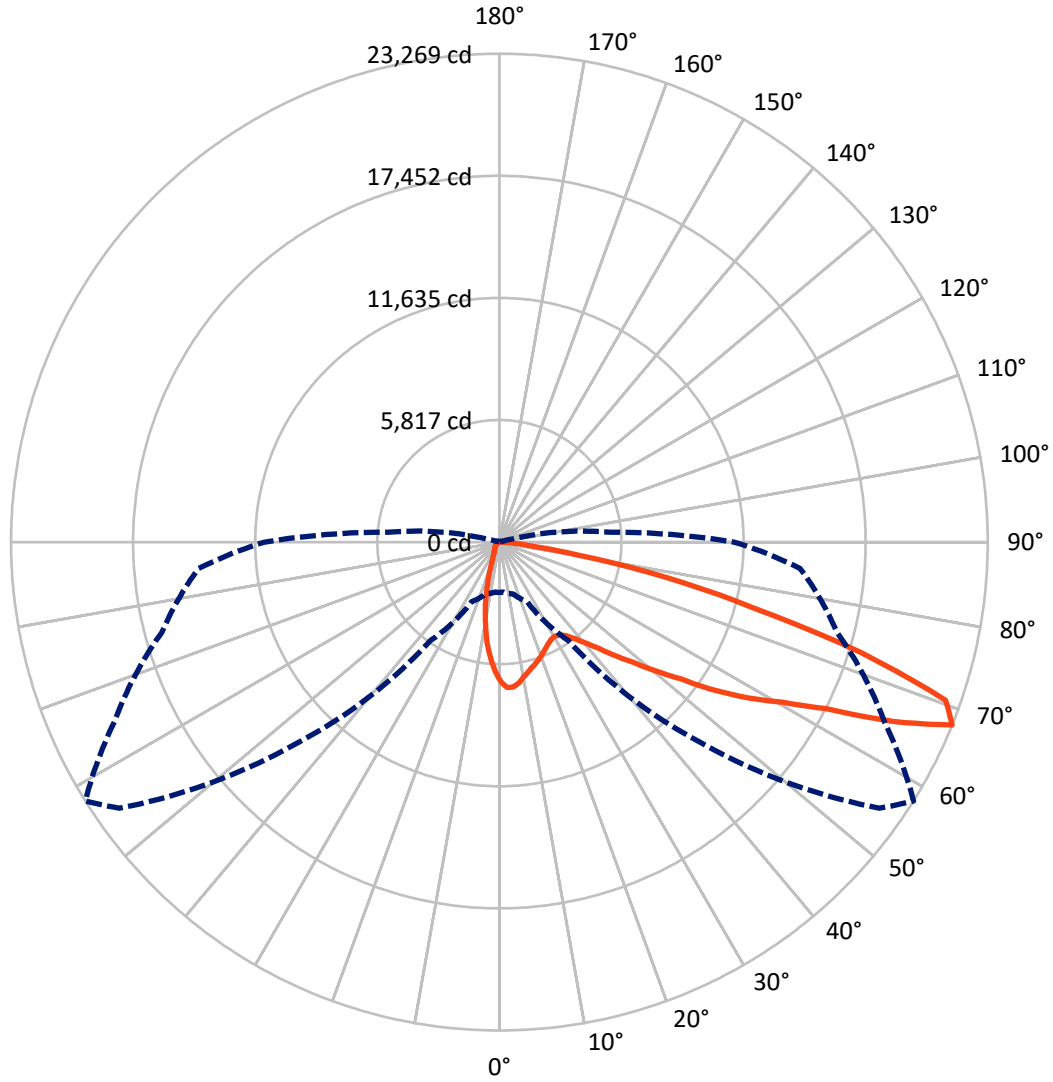
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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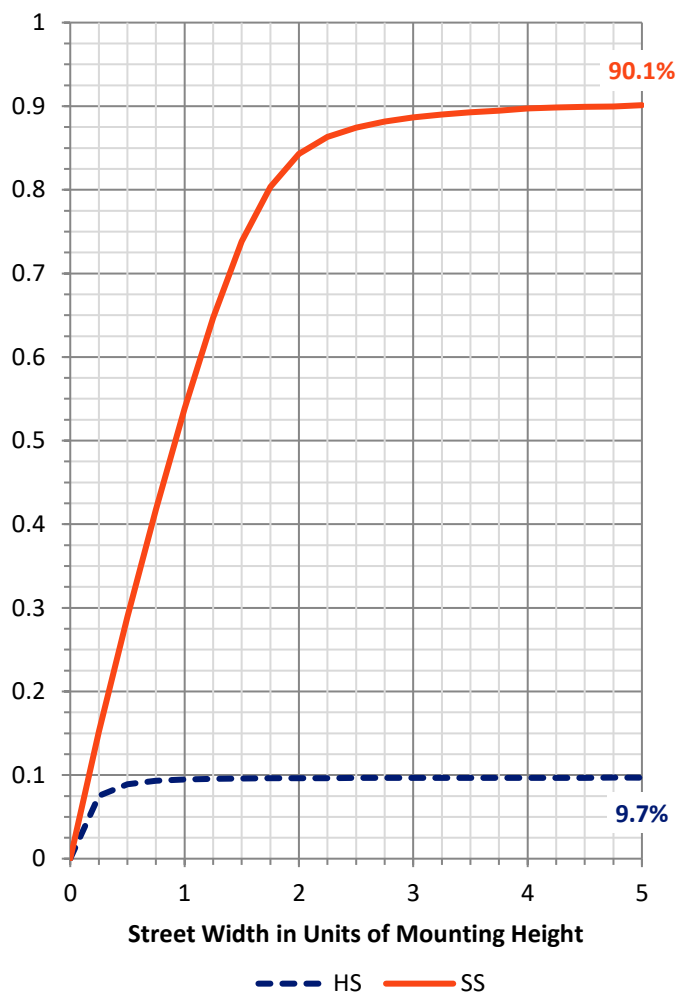
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2246.7	0.0	2246.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	20750.8	0.0	20750.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	22997.5	0.0	22997.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.0	2.3
10°-20°	1122.1	4.9
20°-30°	1513.2	6.6
30°-40°	2126.4	9.2
40°-50°	3284.0	14.3
50°-60°	5251.5	22.8
60°-70°	6218.2	27.0
70°-80°	2750.8	12.0
80°-90°	192.3	0.8
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°	22997.5	100.0
0°-180°	22997.5	100.0

Coefficient of Utilization



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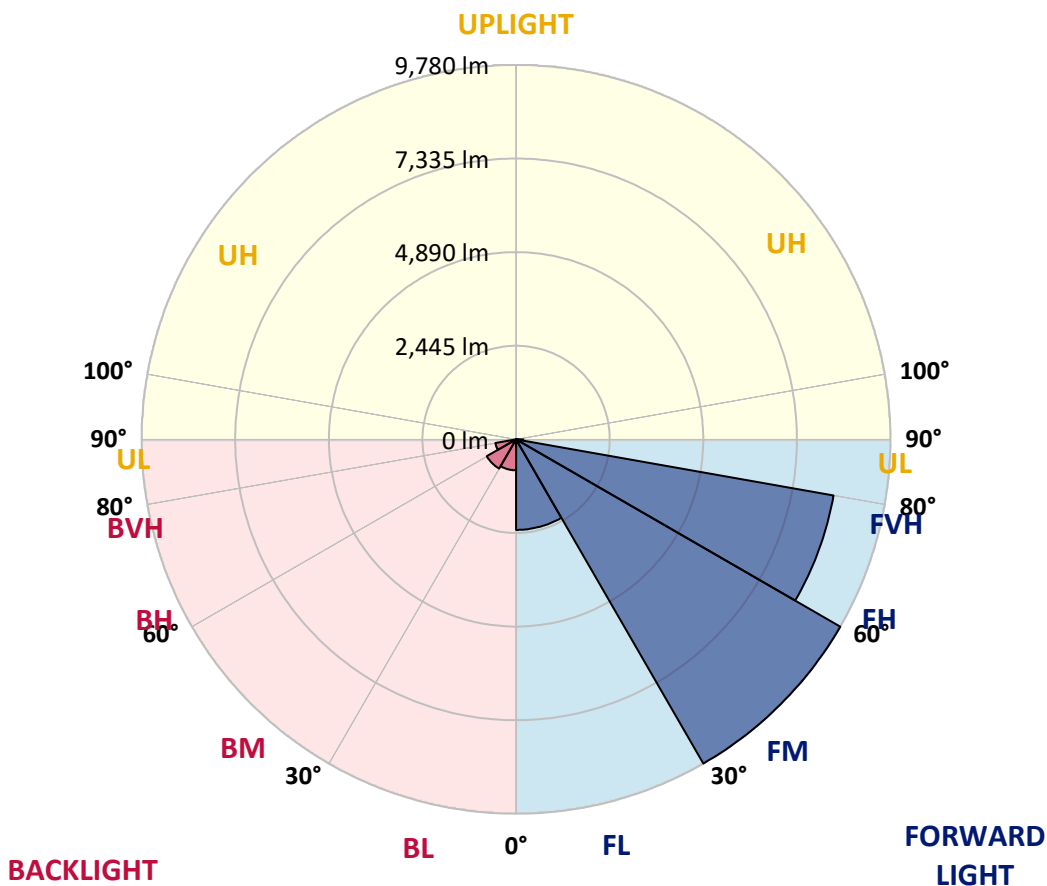
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2365.9	10.3			
FM (30°-60°)	9780.4	42.5			
FH (60°-80°)	8420.5	36.6			G4/12000
FVH (80°-90°)	184.1	0.8			G2/225
BL (0°-30°)	808.5	3.5	B2/1000		
BM (30°-60°)	881.5	3.8	B1/1000		
BH (60°-80°)	548.5	2.4	B2/1000		G2/1000
BVH (80°-90°)	8.2	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6
2.5°	6977.6	6989.8	7006.0	7026.4	7022.3	7004.0	6981.6	6930.7	6898.2	6796.4	6672.2
5°	6753.7	6751.6	6792.3	6831.0	6900.2	6936.8	6987.7	6940.9	6924.6	6802.5	6601.0
7.5°	6316.0	6338.4	6385.2	6446.3	6546.0	6653.9	6776.0	6761.8	6810.6	6729.2	6478.9
10°	5886.5	5874.3	5947.6	6039.2	6191.9	6330.3	6507.4	6505.3	6633.6	6625.4	6340.5
12.5°	5510.0	5507.9	5564.9	5668.8	5847.9	6041.2	6281.4	6287.5	6446.3	6511.4	6222.4
15°	5192.5	5196.5	5251.5	5359.4	5544.6	5780.7	6059.6	6110.4	6289.6	6421.9	6106.4
17.5°	4966.5	4968.6	5001.1	5094.8	5275.9	5528.3	5864.2	5933.4	6163.4	6354.7	6012.7
20°	4862.7	4854.6	4860.7	4907.5	5047.9	5277.9	5664.7	5754.2	6047.3	6307.9	5927.3
22.5°	4877.0	4864.7	4836.2	4830.1	4893.2	5068.3	5453.0	5562.9	5921.1	6279.4	5849.9
25°	5003.2	4976.7	4936.0	4874.9	4850.5	4938.0	5267.8	5381.8	5803.1	6281.4	5790.9
27.5°	5196.5	5168.0	5117.1	5035.7	4940.1	4903.4	5141.6	5249.4	5719.6	6328.2	5762.4
30°	5442.8	5420.4	5371.6	5273.9	5145.6	4995.0	5115.1	5204.7	5678.9	6423.9	5774.6
32.5°	5733.9	5717.6	5676.9	5587.3	5440.8	5210.8	5204.7	5273.9	5711.5	6562.3	5821.4
35°	6014.8	6020.9	6022.9	5974.1	5817.3	5538.5	5451.0	5475.4	5845.8	6769.9	5927.3
37.5°	6318.1	6303.8	6377.1	6411.7	6261.1	5963.9	5831.6	5833.6	6102.3	7077.3	6126.7
40°	6548.1	6552.1	6710.9	6853.4	6790.3	6503.3	6314.0	6312.0	6497.2	7498.6	6448.3
42.5°	6763.8	6790.3	7024.4	7268.6	7356.1	7101.7	6965.3	6914.5	7050.8	8068.6	6930.7
45°	6993.8	7032.5	7360.2	7708.3	7938.3	7787.7	7679.8	7700.1	7716.4	8732.1	7580.0
47.5°	7262.5	7286.9	7692.0	8182.5	8612.0	8573.4	8579.5	8555.0	8546.9	9568.7	8439.0
50°	7588.2	7645.2	8111.3	8697.5	9283.7	9540.2	9625.7	9635.9	9503.6	10480.6	9328.5
52.5°	8280.2	8349.4	8748.4	9261.3	10016.5	10555.9	10903.9	10834.7	10631.2	11364.0	10303.5
55°	9096.5	9149.4	9534.1	10065.3	10912.1	11669.3	12495.7	12467.2	11968.5	12294.2	11105.5
57.5°	9173.8	9232.8	9829.2	10643.4	12062.1	13045.3	13914.4	14006.0	13275.3	12953.7	11821.9
60°	8304.7	8424.8	9238.9	10334.0	12501.8	14895.5	15469.5	15487.8	14234.0	13623.3	12697.2
62.5°	6655.9	6712.9	7533.2	8962.1	11824.0	15974.3	17844.9	17458.1	15465.4	14659.4	14083.3
65°	3488.8	3720.8	4435.3	6016.8	9589.0	15597.7	20702.6	20596.8	17680.0	16143.2	15162.1
67.5°	2393.7	2391.7	2560.6	3136.6	5717.6	13430.0	22105.1	23269.4	20240.6	16652.1	14380.5
70°	1821.7	1827.8	1978.5	2353.0	2961.6	8939.7	20566.3	22556.9	20716.9	15119.4	11630.6
72.5°	1209.1	1221.3	1471.6	1901.1	2365.2	4382.3	15982.4	18048.4	17431.7	12143.5	8186.6
75°	722.6	732.8	911.9	1382.1	2102.6	2452.7	10154.9	12477.4	11999.0	8369.8	4388.4
77.5°	297.2	305.3	468.2	861.0	1538.8	1905.2	5615.8	8164.2	7187.2	3328.0	1198.9
80°	124.2	128.2	225.9	602.5	1109.3	1194.8	2601.3	3836.8	2945.3	716.5	366.4
82.5°	44.8	46.8	83.5	331.8	690.0	899.7	1312.9	1516.4	830.5	234.1	197.4
85°	2.0	2.0	20.4	112.0	262.6	254.4	751.1	726.7	274.8	97.7	118.1
87.5°	0.0	0.0	2.0	2.0	4.1	10.2	71.2	126.2	59.0	24.4	50.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6	6633.6
2.5°	6590.8	6482.9	6364.9	6255.0	6079.9	5976.1	5847.9	5790.9	5709.5	5689.1	5701.3
5°	6456.5	6271.2	5988.3	5731.9	5400.1	5133.4	4864.7	4750.8	4604.2	4506.5	4465.8
7.5°	6267.2	6025.0	5583.3	5117.1	4661.2	4174.7	3804.3	3560.0	3338.2	3216.0	3191.6
10°	6075.8	5760.3	5127.3	4459.7	3753.4	3171.2	2670.5	2300.1	1998.8	1862.4	1756.6
12.5°	5878.4	5485.6	4663.2	3792.1	2971.8	2177.9	1559.2	1198.9	983.1	897.6	911.9
15°	5697.2	5221.0	4203.2	3124.4	2092.5	1314.9	861.0	726.7	675.8	659.5	657.5
17.5°	5524.2	4970.6	3745.2	2475.1	1380.0	806.0	659.5	626.9	612.7	604.5	604.5
20°	5367.5	4730.4	3297.4	1864.5	891.5	639.1	596.4	580.1	567.9	561.8	561.8
22.5°	5221.0	4498.4	2859.8	1319.0	657.5	574.0	547.5	531.3	517.0	508.9	508.9
25°	5088.6	4288.7	2442.5	907.8	565.9	525.1	496.7	478.3	453.9	439.7	439.7
27.5°	4993.0	4101.4	2041.6	661.5	510.9	472.2	439.7	415.2	388.8	372.5	368.4
30°	4936.0	3942.7	1636.5	543.5	460.0	421.3	384.7	354.2	323.6	307.4	305.3
32.5°	4903.4	3796.1	1266.1	474.3	417.3	372.5	331.8	299.2	268.7	250.4	248.3
35°	4915.6	3682.1	948.5	427.4	376.6	329.7	285.0	252.4	225.9	209.7	205.6
37.5°	5021.5	3631.3	712.4	390.8	342.0	293.1	246.3	215.8	191.3	179.1	177.1
40°	5227.1	3641.4	559.8	362.3	313.5	256.5	211.7	183.2	164.9	154.7	152.7
42.5°	5546.6	3726.9	462.0	337.9	282.9	223.9	183.2	160.8	142.5	132.3	130.3
45°	6022.9	3904.0	403.0	309.4	250.4	193.4	158.8	138.4	122.1	109.9	107.9
47.5°	6712.9	4211.4	364.3	282.9	221.9	166.9	136.4	116.0	101.8	91.6	89.6
50°	7447.7	4579.8	331.8	256.5	197.4	144.5	116.0	95.7	83.5	73.3	71.2
52.5°	8231.4	4976.7	307.4	232.0	175.0	124.2	97.7	79.4	67.2	57.0	55.0
55°	8984.5	5375.6	278.9	215.8	148.6	105.8	81.4	65.1	52.9	44.8	44.8
57.5°	9717.3	5742.0	248.3	189.3	122.1	89.6	67.2	52.9	42.7	36.6	34.6
60°	10592.5	6248.9	213.7	160.8	101.8	75.3	55.0	42.7	34.6	28.5	28.5
62.5°	11893.2	6776.0	183.2	134.3	85.5	63.1	44.8	34.6	28.5	24.4	22.4
65°	12318.6	6491.1	154.7	109.9	69.2	50.9	36.6	30.5	24.4	22.4	20.4
67.5°	11182.8	5320.7	128.2	89.6	57.0	42.7	32.6	26.5	22.4	20.4	18.3
70°	8726.0	3775.8	99.7	67.2	46.8	34.6	28.5	24.4	20.4	18.3	18.3
72.5°	5935.4	2232.9	79.4	50.9	38.7	30.5	24.4	22.4	20.4	18.3	16.3
75°	2922.9	793.8	61.1	38.7	30.5	26.5	22.4	20.4	18.3	16.3	16.3
77.5°	787.7	219.8	46.8	30.5	24.4	20.4	20.4	20.4	18.3	14.2	14.2
80°	266.6	91.6	34.6	22.4	20.4	16.3	14.2	18.3	16.3	14.2	12.2
82.5°	146.6	44.8	24.4	18.3	14.2	12.2	12.2	12.2	12.2	10.2	10.2
85°	93.6	24.4	16.3	14.2	14.2	10.2	8.1	8.1	6.1	6.1	6.1
87.5°	42.7	14.2	14.2	12.2	12.2	10.2	6.1	4.1	2.0	2.0	2.0
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)