

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: P642211

Luminaire Tested: GWS-SA6C-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 22509 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

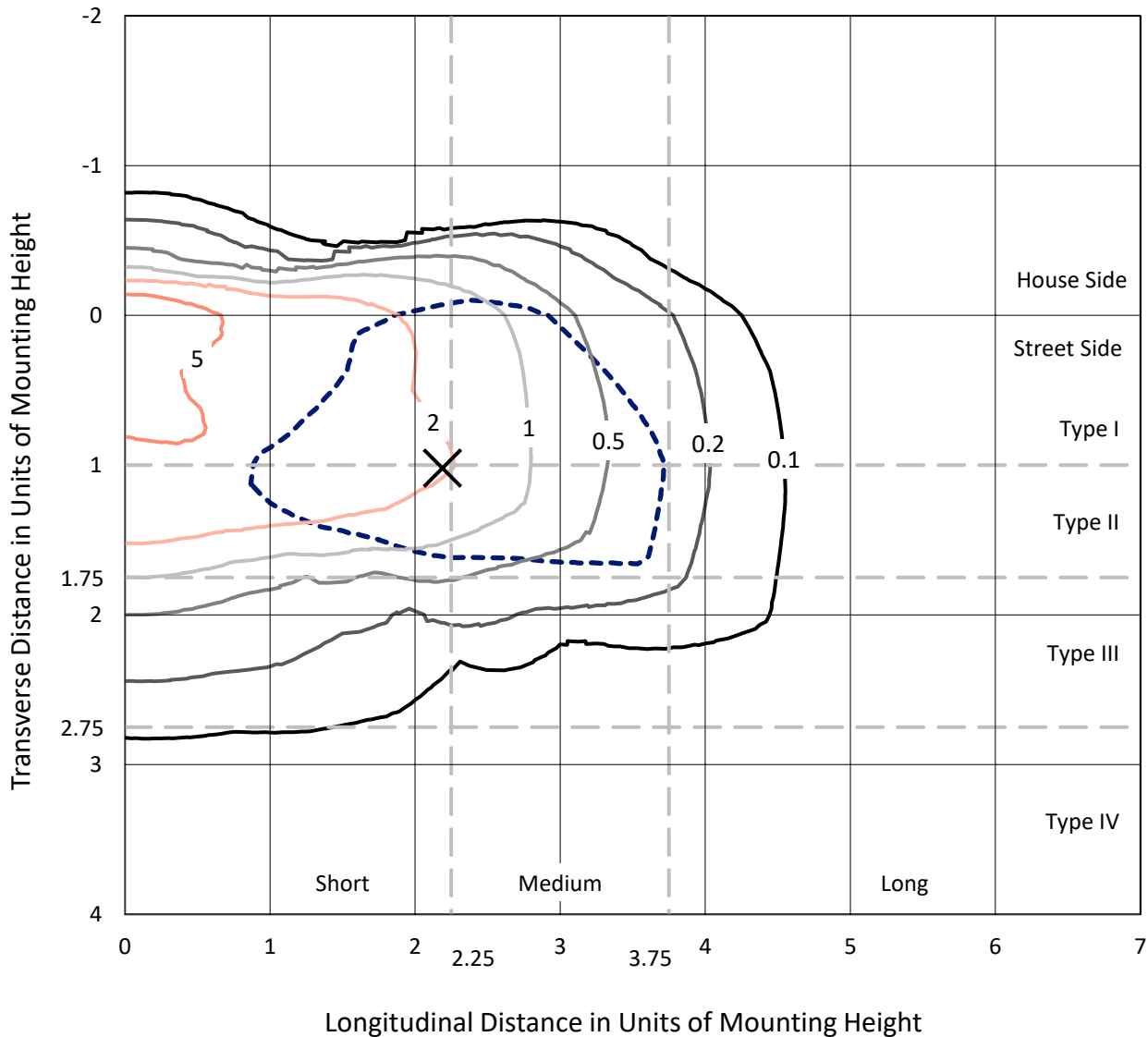
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

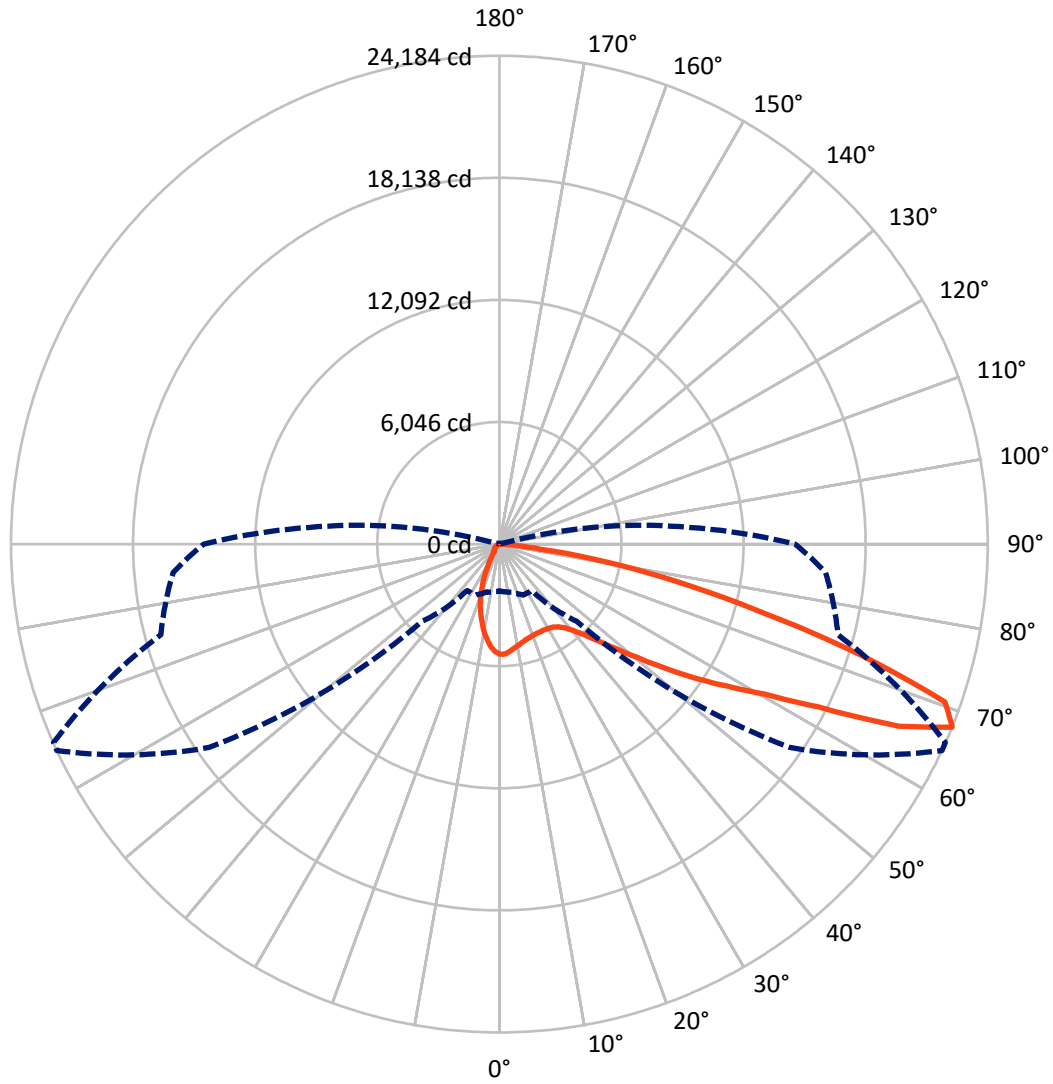
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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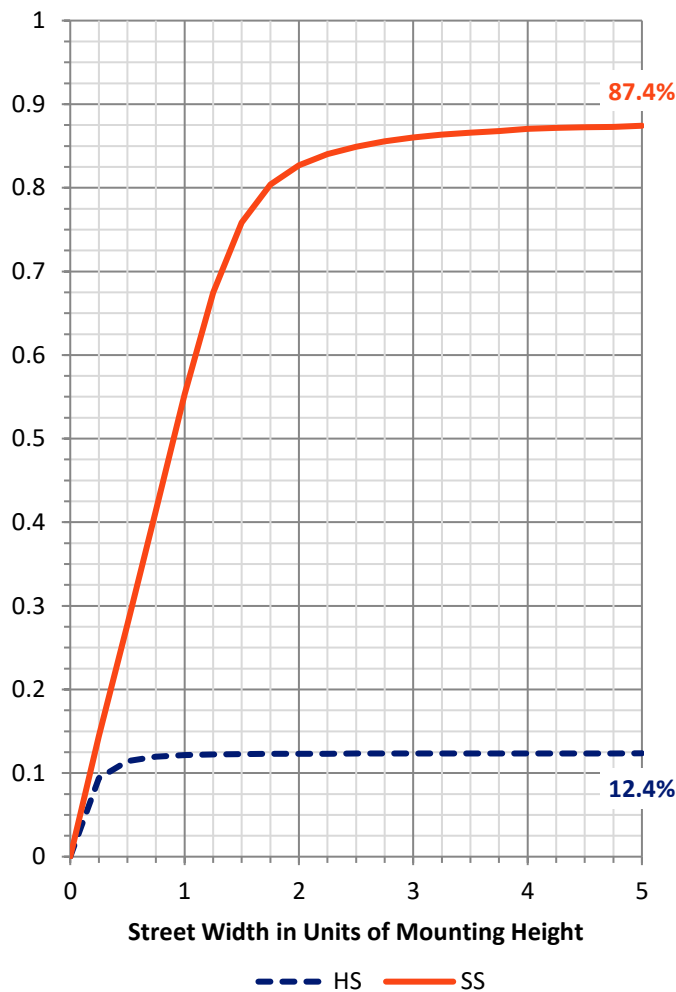
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2810.7	0.0	2810.7
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	19698.3	0.0	19698.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	22509.0	0.0	22509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.4	2.0
10°-20°	1019.2	4.5
20°-30°	1456.4	6.5
30°-40°	2118.9	9.4
40°-50°	3318.6	14.7
50°-60°	5177.1	23.0
60°-70°	5686.8	25.3
70°-80°	3026.5	13.4
80°-90°	252.0	1.1
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°	22509.0	100.0
0°-180°	22509.0	100.0

Coefficient of Utilization



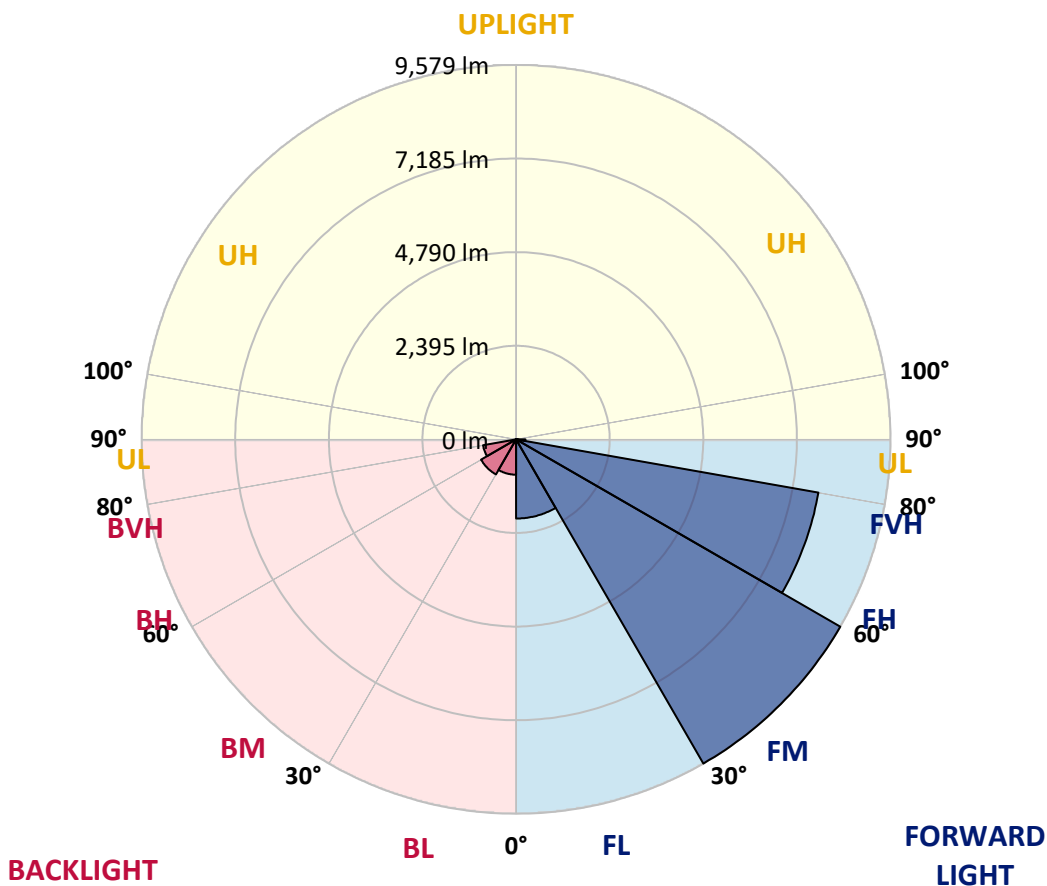
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2025.7	9.0			
FM (30°-60°)	9579.4	42.6			
FH (60°-80°)	7854.8	34.9			G4/12000
FVH (80°-90°)	238.5	1.1			G3/500
BL (0°-30°)	903.4	4.0	B2/1000		
BM (30°-60°)	1035.3	4.6	B2/2500		
BH (60°-80°)	858.5	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1
2.5°	5269.8	5286.1	5263.7	5318.7	5328.9	5389.9	5424.5	5449.0	5446.9	5477.5	5477.5
5°	4960.5	4976.7	4964.5	5023.6	5070.4	5166.0	5245.4	5337.0	5341.1	5434.7	5469.3
7.5°	4697.9	4699.9	4699.9	4773.2	4834.3	4952.3	5070.4	5210.8	5227.1	5371.6	5463.2
10°	4482.1	4488.2	4490.3	4573.7	4640.9	4783.4	4934.0	5102.9	5121.3	5316.7	5459.1
12.5°	4333.5	4335.6	4343.7	4431.2	4504.5	4653.1	4805.8	4999.1	5023.6	5253.6	5440.8
15°	4262.3	4258.2	4262.3	4335.6	4408.8	4551.3	4708.1	4915.7	4942.1	5200.6	5442.9
17.5°	4258.2	4252.1	4248.0	4303.0	4349.8	4476.0	4634.8	4860.7	4889.2	5176.2	5465.2
20°	4317.2	4313.2	4292.8	4317.2	4327.4	4431.2	4588.0	4818.0	4846.5	5172.1	5514.1
22.5°	4471.9	4461.8	4431.2	4408.8	4353.9	4414.9	4555.4	4787.4	4820.0	5182.3	5577.2
25°	4701.9	4697.9	4659.2	4604.2	4463.8	4439.4	4557.4	4787.4	4818.0	5194.5	5644.4
27.5°	5048.0	5023.6	4974.7	4879.0	4677.5	4535.0	4598.1	4799.6	4830.2	5210.8	5699.3
30°	5400.1	5398.1	5381.8	5284.1	4984.9	4718.2	4683.6	4832.2	4860.7	5225.1	5750.2
32.5°	5764.5	5770.6	5811.3	5736.0	5408.3	4991.0	4838.3	4899.4	4919.7	5253.6	5795.0
35°	6110.5	6122.7	6230.6	6257.0	5923.2	5404.2	5090.7	5033.7	5035.8	5316.7	5854.0
37.5°	6442.3	6483.0	6656.0	6784.2	6564.4	5904.9	5455.1	5261.7	5245.4	5442.9	5943.6
40°	6818.8	6896.2	7114.0	7331.8	7262.6	6566.4	5951.7	5611.8	5577.2	5674.9	6104.4
42.5°	7236.1	7319.6	7608.6	7913.9	7946.5	7366.4	6572.5	6122.7	6063.7	6065.7	6405.6
45°	7683.9	7795.9	8131.7	8571.4	8768.8	8257.9	7337.9	6812.7	6753.7	6666.2	6890.1
47.5°	8272.2	8369.9	8693.5	9200.3	9578.9	9214.6	8341.4	7700.2	7592.3	7464.1	7643.2
50°	8779.0	8864.5	9143.3	9778.4	10566.1	10448.1	9479.2	8809.5	8705.7	8487.9	8636.5
52.5°	8891.0	8958.1	9214.6	9929.0	11321.3	12005.2	10873.5	10150.9	10077.6	9674.6	9731.6
55°	8388.2	8490.0	8720.0	9513.8	11518.7	13527.8	12683.0	11663.3	11510.6	10867.4	10969.2
57.5°	7118.1	7299.2	7515.0	8547.0	10983.4	14337.9	15211.1	13265.2	13126.8	12015.4	12017.4
60°	5216.9	5363.5	5508.0	6452.5	9713.3	14282.9	17505.1	15064.5	14812.1	12953.8	12919.2
62.5°	3794.1	3869.4	3867.4	4203.3	6670.2	13342.5	18710.1	17775.8	17187.5	13957.2	13759.8
65°	2984.0	2982.0	3069.5	3179.4	3724.9	10299.5	18858.7	21734.8	21099.7	15302.7	14891.5
67.5°	2322.5	2367.3	2454.8	2778.4	2798.8	5389.9	17551.9	24183.5	24171.3	17356.5	16216.6
70°	1791.2	1852.3	1976.4	2448.7	2585.1	3016.6	13132.9	23408.0	23605.4	18274.5	15278.3
72.5°	1150.0	1146.0	1329.2	1978.5	2483.3	2513.8	7262.6	18594.1	18818.0	16552.5	12353.3
75°	643.2	647.3	751.1	1211.1	2314.3	2365.2	3596.7	13259.1	13436.2	12904.9	9491.4
77.5°	252.4	260.5	352.1	637.1	1526.6	2112.8	2137.2	9041.6	9068.0	7997.4	5821.5
80°	101.8	107.9	179.1	394.9	930.2	1422.8	1526.6	5326.8	5219.0	3096.0	1693.5
82.5°	30.5	32.6	71.2	223.9	486.5	1011.6	1029.9	2043.6	1929.6	665.6	431.5
85°	2.0	2.0	16.3	69.2	173.0	254.4	686.0	665.6	590.3	166.9	191.3
87.5°	0.0	0.0	2.0	2.0	4.1	8.1	73.3	122.1	124.2	30.5	85.5
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°	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1	5459.1
2.5°	5477.5	5404.2	5398.1	5341.1	5284.1	5212.8	5129.4	5068.3	5025.6	4950.3	4936.0
5°	5469.3	5371.6	5280.0	5117.2	4936.0	4740.6	4569.6	4410.9	4311.1	4244.0	4215.5
7.5°	5453.0	5328.9	5117.2	4809.8	4506.5	4164.6	3897.9	3653.7	3486.8	3389.1	3346.3
10°	5440.8	5273.9	4929.9	4463.8	3993.6	3521.4	3116.3	2754.0	2552.5	2393.7	2367.3
12.5°	5416.4	5194.5	4689.7	4058.7	3452.2	2825.2	2308.2	1864.5	1557.1	1418.7	1369.9
15°	5392.0	5111.1	4449.5	3631.3	2861.9	2088.4	1461.5	1034.0	822.3	757.2	753.1
17.5°	5387.9	5035.8	4189.0	3226.2	2243.1	1367.8	832.5	669.7	624.9	608.6	608.6
20°	5400.1	4972.7	3932.5	2760.1	1634.5	832.5	620.8	580.1	553.6	539.4	539.4
22.5°	5412.3	4907.5	3686.2	2289.9	1084.9	608.6	547.5	512.9	482.4	466.1	458.0
25°	5420.5	4836.3	3413.5	1817.7	708.3	529.2	480.4	435.6	399.0	378.6	378.6
27.5°	5418.4	4750.8	3138.7	1355.6	549.6	470.2	411.2	364.3	327.7	305.3	307.4
30°	5402.1	4657.2	2853.7	946.5	480.4	411.2	352.1	303.3	266.6	248.3	246.3
32.5°	5389.9	4557.4	2524.0	665.6	431.5	360.3	299.2	252.4	221.9	207.6	205.6
35°	5375.7	4459.7	2210.5	506.8	388.8	311.4	252.4	213.7	189.3	177.1	177.1
37.5°	5379.8	4358.0	1870.6	435.6	346.0	270.7	215.8	183.2	162.8	150.6	148.6
40°	5442.9	4296.9	1536.8	394.9	307.4	234.1	187.3	158.8	138.4	126.2	124.2
42.5°	5599.6	4298.9	1217.2	364.3	272.8	199.5	162.8	136.4	118.1	103.8	101.8
45°	5913.1	4384.4	934.3	331.8	236.1	173.0	140.4	116.0	97.7	85.5	83.5
47.5°	6426.0	4638.8	708.3	303.3	205.6	150.6	120.1	97.7	81.4	71.2	69.2
50°	7242.2	5098.9	557.7	268.7	173.0	130.3	101.8	81.4	67.2	57.0	55.0
52.5°	8223.3	5788.9	478.3	238.2	148.6	114.0	87.5	67.2	55.0	46.8	44.8
55°	9351.0	6613.3	441.7	207.6	126.2	97.7	71.2	55.0	44.8	38.7	34.6
57.5°	10385.0	7356.2	439.7	177.1	107.9	83.5	59.0	46.8	38.7	30.5	28.5
60°	11392.5	7977.0	413.2	146.6	93.6	69.2	50.9	38.7	32.6	26.5	24.4
62.5°	12306.5	8481.8	346.0	118.1	79.4	57.0	42.7	34.6	28.5	22.4	22.4
65°	13454.5	9125.0	264.6	95.7	65.1	46.8	36.6	30.5	26.5	20.4	20.4
67.5°	14641.2	9465.0	189.3	79.4	52.9	40.7	32.6	28.5	22.4	18.3	18.3
70°	13261.1	7997.4	136.4	65.1	44.8	34.6	28.5	26.5	22.4	18.3	16.3
72.5°	10356.5	5766.5	101.8	50.9	38.7	32.6	26.5	24.4	20.4	16.3	16.3
75°	7679.8	3362.6	77.3	40.7	30.5	26.5	26.5	24.4	20.4	16.3	14.2
77.5°	4174.8	1172.4	59.0	32.6	24.4	20.4	22.4	22.4	18.3	14.2	12.2
80°	1105.3	321.6	40.7	24.4	20.4	16.3	16.3	20.4	16.3	12.2	12.2
82.5°	321.6	93.6	28.5	20.4	16.3	14.2	14.2	14.2	12.2	10.2	8.1
85°	156.7	34.6	20.4	16.3	14.2	12.2	10.2	10.2	8.1	6.1	6.1
87.5°	69.2	14.2	16.3	14.2	14.2	10.2	8.1	6.1	6.1	4.1	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)