

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: P642833

Luminaire Tested: GWS-SA6D-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21467.4 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

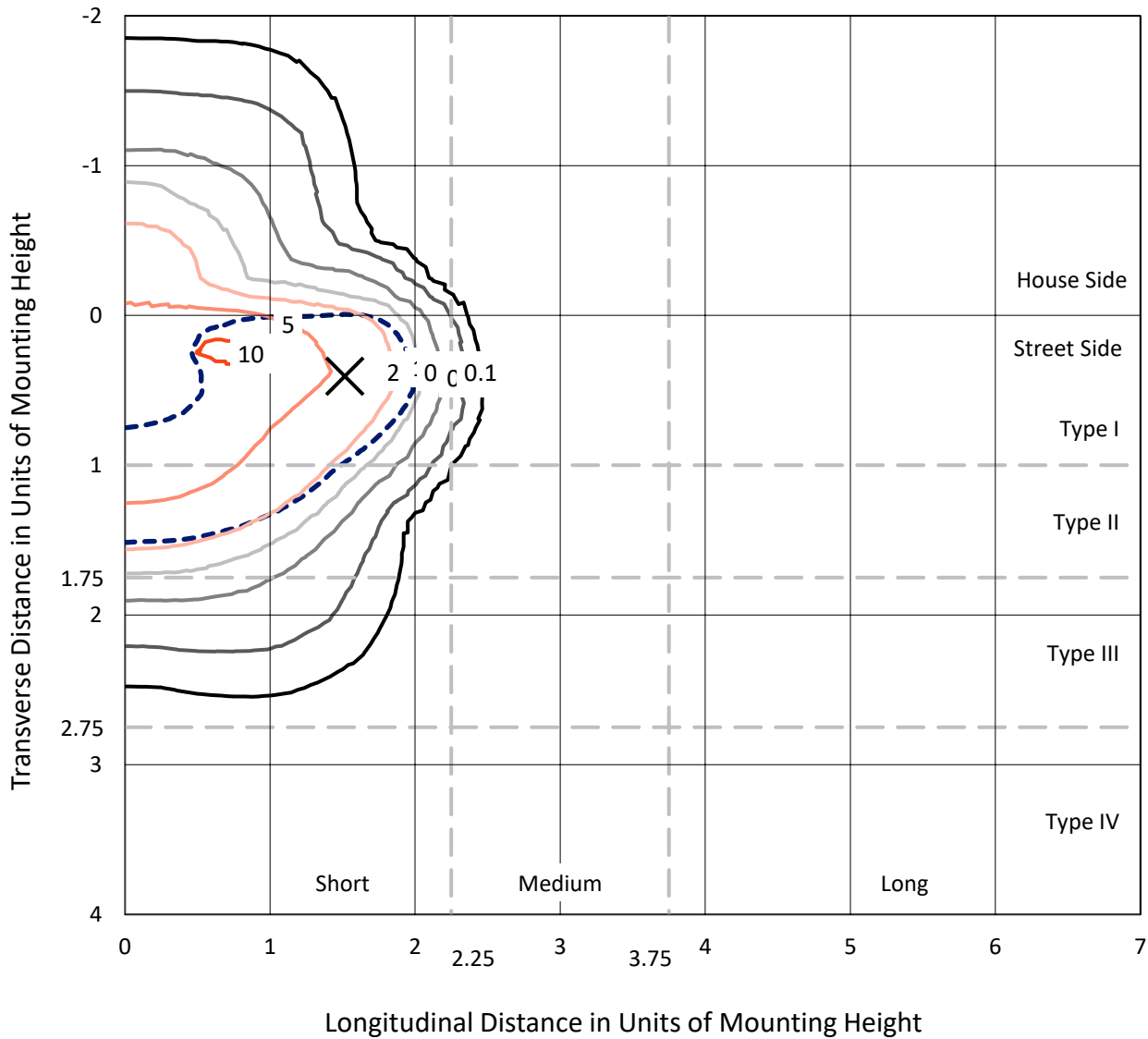
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642833
 CATALOG NUMBER: GWS-SA6D-760-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

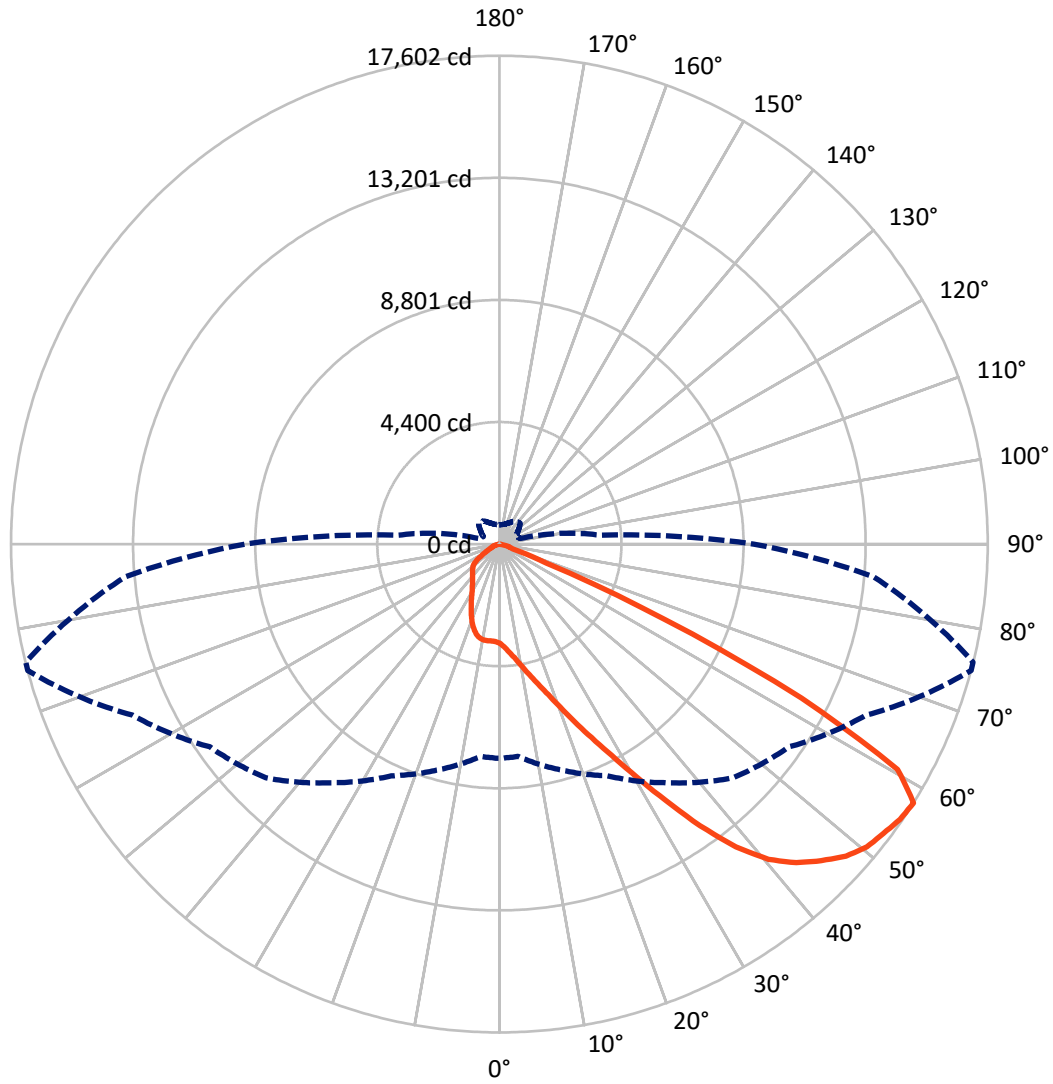
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P642833
CATALOG NUMBER: GWS-SA6D-760-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642833

CATALOG NUMBER: GWS-SA6D-760-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3506.6	0.0	3506.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	17960.8	0.0	17960.8
	% Fixture	83.7	0.0	83.7
Total	Lumens	21467.4	0.0	21467.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.3	1.7
10°-20°	1183.5	5.5
20°-30°	2167.3	10.1
30°-40°	3595.8	16.8
40°-50°	5491.7	25.6
50°-60°	6170.9	28.7
60°-70°	2276.1	10.6
70°-80°	217.6	1.0
80°-90°	0.2	0.0
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°	21467.4	100.0
0°-180°	21467.4	100.0

Coefficient of Utilization



REPORT NUMBER: P642833

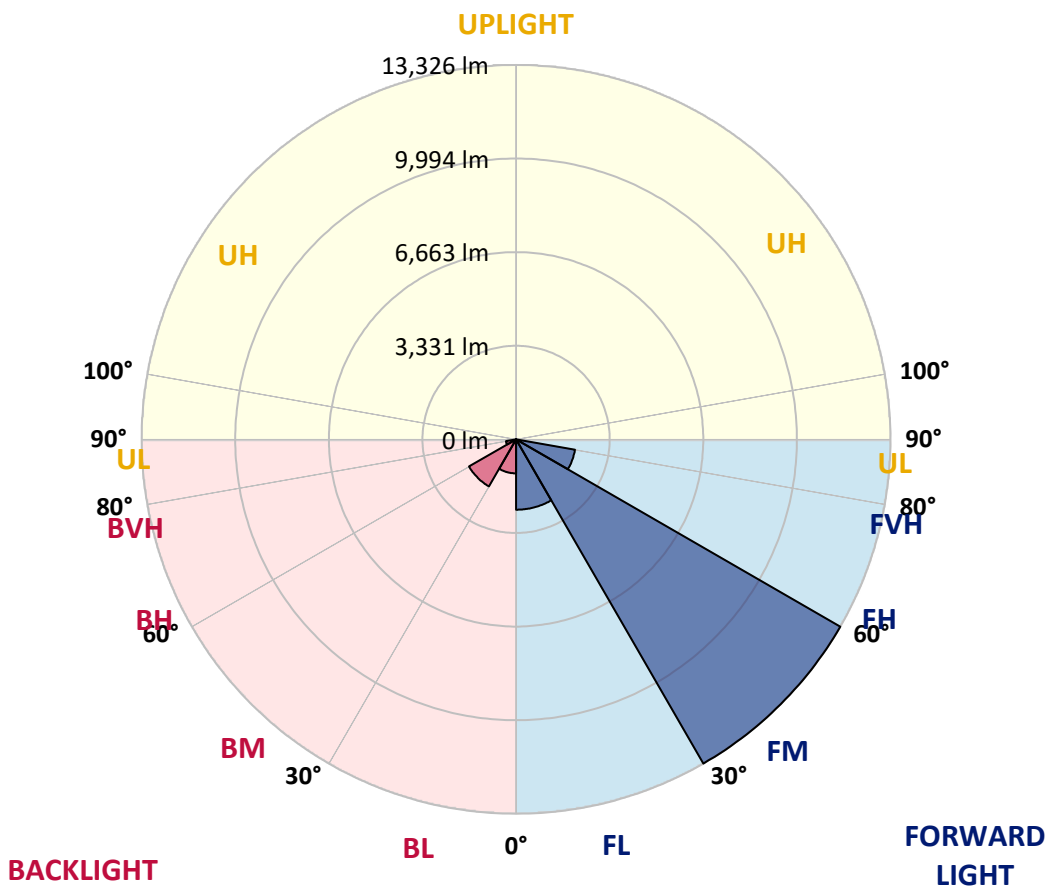
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2505.2	11.7			
FM (30°-60°)	13326.0	62.1			
FH (60°-80°)	2129.5	9.9			G2/5000
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1210.0	5.6	B3/2500		
BM (30°-60°)	1932.4	9.0	B2/2500		
BH (60°-80°)	364.2	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
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: P642833

CATALOG NUMBER: GWS-SA6D-760-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5
2.5°	4000.2	4041.6	4028.7	4002.8	3987.2	3932.8	3899.1	3800.7	3730.7	3723.0	3658.2
5°	4505.4	4497.6	4487.2	4456.1	4430.2	4344.7	4243.7	4077.9	3930.2	3912.1	3774.8
7.5°	4782.6	4787.8	4793.0	4787.8	4769.6	4704.9	4593.5	4399.2	4173.8	4158.2	3940.6
10°	4896.6	4906.9	4932.9	4982.1	5026.1	5020.9	4956.2	4756.7	4479.5	4453.6	4160.8
12.5°	4951.0	4963.9	5005.4	5098.7	5217.8	5311.1	5321.5	5142.7	4837.0	4795.5	4422.5
15°	5026.1	5039.1	5090.9	5212.7	5386.2	5570.2	5689.4	5575.4	5233.4	5189.3	4710.0
17.5°	5059.8	5077.9	5153.1	5313.7	5539.1	5821.5	6090.9	6080.6	5702.3	5668.6	5044.3
20°	5124.6	5137.5	5204.9	5378.5	5650.5	6057.3	6510.6	6673.9	6274.9	6225.7	5448.4
22.5°	5329.2	5334.4	5365.5	5474.3	5728.2	6228.2	6938.1	7365.6	6951.1	6886.3	5901.8
25°	5663.5	5660.9	5673.8	5692.0	5878.5	6401.8	7350.1	8145.4	7725.7	7655.8	6414.8
27.5°	6088.3	6088.3	6119.4	6067.6	6142.7	6616.9	7756.8	9041.8	8627.3	8528.9	6977.0
30°	6588.4	6585.8	6658.3	6575.4	6598.7	6956.3	8194.6	10018.6	9715.4	9593.7	7624.7
32.5°	7267.1	7251.6	7334.5	7220.5	7142.8	7469.2	8728.4	11039.3	11018.6	10832.1	8438.2
35°	8124.7	8098.8	8124.7	8013.3	7873.4	8186.9	9427.9	12057.5	12464.3	12267.4	9407.1
37.5°	8977.1	9060.0	9088.5	8896.8	8782.8	9096.2	10269.9	12969.5	13845.1	13640.5	10415.0
40°	9982.3	9956.4	10054.8	9839.8	9767.3	10114.4	11093.7	13648.2	14938.5	14744.2	11311.4
42.5°	10723.3	10769.9	10891.7	10772.5	10715.5	11041.9	11785.5	14044.6	15697.6	15505.8	11951.3
45°	11611.9	11645.6	11692.2	11593.8	11534.2	11855.4	12285.5	14218.2	16275.3	16068.0	12381.4
47.5°	12573.1	12599.0	12599.0	12396.9	12205.2	12337.3	12619.7	14316.7	16806.4	16606.9	12700.0
50°	13262.2	13275.2	13389.2	13246.7	12829.6	12624.9	12772.6	14412.5	17158.8	16972.2	12803.7
52.5°	12650.8	12635.3	13010.9	13306.3	13417.7	13010.9	13036.8	14552.4	17329.8	17169.1	12886.6
55°	10653.3	10627.4	11155.9	11873.6	12855.5	13376.2	13355.5	14635.3	17518.9	17420.4	13187.1
57.5°	7723.1	7679.1	8414.9	9212.8	10500.4	11912.4	12741.5	14588.7	17601.8	17594.0	13536.8
60°	4642.7	4606.4	5300.7	6140.2	7135.0	8554.8	9930.5	13067.9	16492.9	16508.5	12627.5
62.5°	2857.6	2891.3	3518.3	3945.8	4316.2	4743.7	5539.1	8790.5	12218.1	12319.2	8873.4
65°	1922.4	1948.3	2528.6	3067.5	3067.5	2507.9	2152.9	4202.3	6518.4	6347.4	4197.1
67.5°	1290.2	1318.7	1777.3	2406.8	2497.5	1748.8	873.1	1253.9	1816.1	1761.7	1038.9
70°	759.1	790.2	1184.0	1650.3	1818.7	1217.7	582.9	531.1	515.6	500.0	404.2
72.5°	339.4	352.3	603.7	839.4	766.9	513.0	411.9	424.9	401.6	393.8	329.0
75°	103.6	108.8	155.4	181.4	183.9	183.9	248.7	334.2	316.1	318.7	253.9
77.5°	25.9	25.9	41.5	38.9	20.7	18.1	46.6	75.1	77.7	70.0	51.8
80°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P642833

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5	3580.5
2.5°	3629.7	3562.3	3518.3	3456.1	3412.1	3365.4	3324.0	3290.3	3272.2	3267.0	3269.6
5°	3712.6	3606.4	3502.7	3383.6	3300.7	3222.9	3160.8	3111.5	3088.2	3080.4	3080.4
7.5°	3839.5	3691.9	3507.9	3321.4	3181.5	3059.7	2987.2	2932.8	2912.0	2906.9	2891.3
10°	4005.4	3803.3	3500.1	3210.0	3013.1	2886.1	2834.3	2818.8	2826.5	2829.1	2826.5
12.5°	4204.8	3919.9	3450.9	3046.8	2834.3	2756.6	2761.8	2803.2	2849.9	2873.2	2878.4
15°	4417.3	4026.1	3339.5	2852.5	2681.5	2678.9	2754.0	2849.9	2940.5	2979.4	2989.8
17.5°	4655.6	4111.6	3168.5	2645.2	2549.3	2624.5	2759.2	2906.9	3028.6	3093.4	3106.3
20°	4917.3	4181.5	2950.9	2450.9	2432.7	2567.5	2754.0	2935.4	3085.6	3158.2	3171.1
22.5°	5189.3	4230.8	2699.6	2272.1	2326.5	2502.7	2704.8	2881.0	3023.4	3106.3	3116.7
25°	5500.2	4235.9	2443.1	2121.9	2228.1	2414.6	2585.6	2730.7	2849.9	2922.4	2930.2
27.5°	5772.3	4173.8	2215.1	2000.1	2137.4	2305.8	2419.8	2500.1	2583.0	2624.5	2627.1
30°	6085.8	4064.9	2000.1	1901.6	2044.1	2171.1	2228.1	2246.2	2254.0	2261.8	2251.4
32.5°	6458.8	3932.8	1839.5	1805.8	1937.9	2023.4	2038.9	2002.7	1958.6	1896.5	1880.9
35°	6917.4	3813.6	1707.3	1712.5	1821.3	1873.1	1860.2	1782.5	1697.0	1621.8	1608.9
37.5°	7414.8	3712.6	1606.3	1621.8	1694.4	1730.6	1691.8	1606.3	1567.4	1502.7	1505.2
40°	7855.3	3629.7	1515.6	1531.2	1564.8	1598.5	1536.3	1479.3	1551.9	1546.7	1551.9
42.5°	8168.7	3559.7	1437.9	1430.1	1453.4	1476.7	1430.1	1401.6	1523.4	1489.7	1507.8
45°	8352.7	3495.0	1373.1	1326.5	1362.8	1404.2	1373.1	1336.8	1378.3	1222.9	1209.9
47.5°	8477.0	3458.7	1316.1	1225.4	1290.2	1362.8	1298.0	1209.9	1150.3	1015.6	1005.2
50°	8490.0	3440.6	1248.8	1121.8	1204.7	1282.4	1207.3	1085.5	1000.0	940.5	932.7
52.5°	8557.4	3476.8	1155.5	989.7	1080.4	1204.7	1152.9	1031.1	914.5	862.7	852.4
55°	8857.9	3629.7	1000.0	808.3	940.5	1145.1	1108.9	919.7	808.3	777.2	769.5
57.5°	9168.8	3660.8	787.6	639.9	818.7	1059.6	1013.0	847.2	738.4	702.1	694.3
60°	8383.8	3015.7	590.7	528.5	722.8	979.3	937.9	803.1	676.2	632.2	624.4
62.5°	5508.0	1629.6	468.9	448.2	608.8	829.1	855.0	725.4	603.7	557.0	554.4
65°	2539.0	756.5	360.1	354.9	476.7	660.6	735.8	634.7	510.4	468.9	468.9
67.5°	691.7	375.7	282.4	261.7	323.8	443.0	536.3	474.1	362.7	313.5	310.9
70°	344.6	303.1	253.9	225.4	233.2	274.6	316.1	264.3	183.9	150.3	147.7
72.5°	282.4	248.7	215.0	191.7	176.2	168.4	163.2	132.1	85.5	64.8	62.2
75°	209.9	178.8	152.9	124.4	106.2	98.4	88.1	64.8	36.3	20.7	18.1
77.5°	46.6	44.0	41.5	31.1	28.5	23.3	18.1	13.0	5.2	0.0	0.0
80°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)