

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: P642352

Luminaire Tested: GWS-SA6C-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22425.8 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

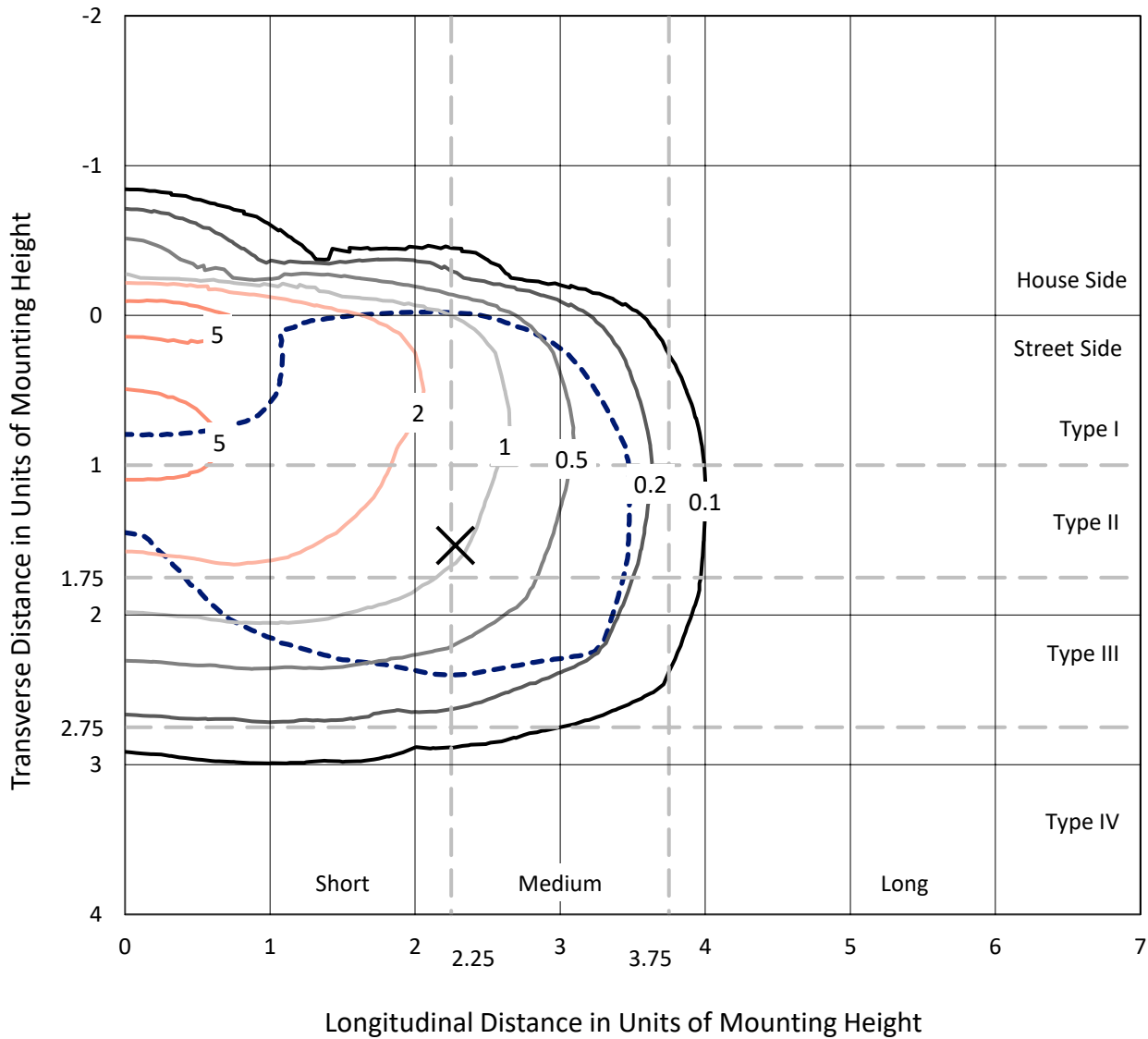
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642352
 CATALOG NUMBER: GWS-SA6C-760-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

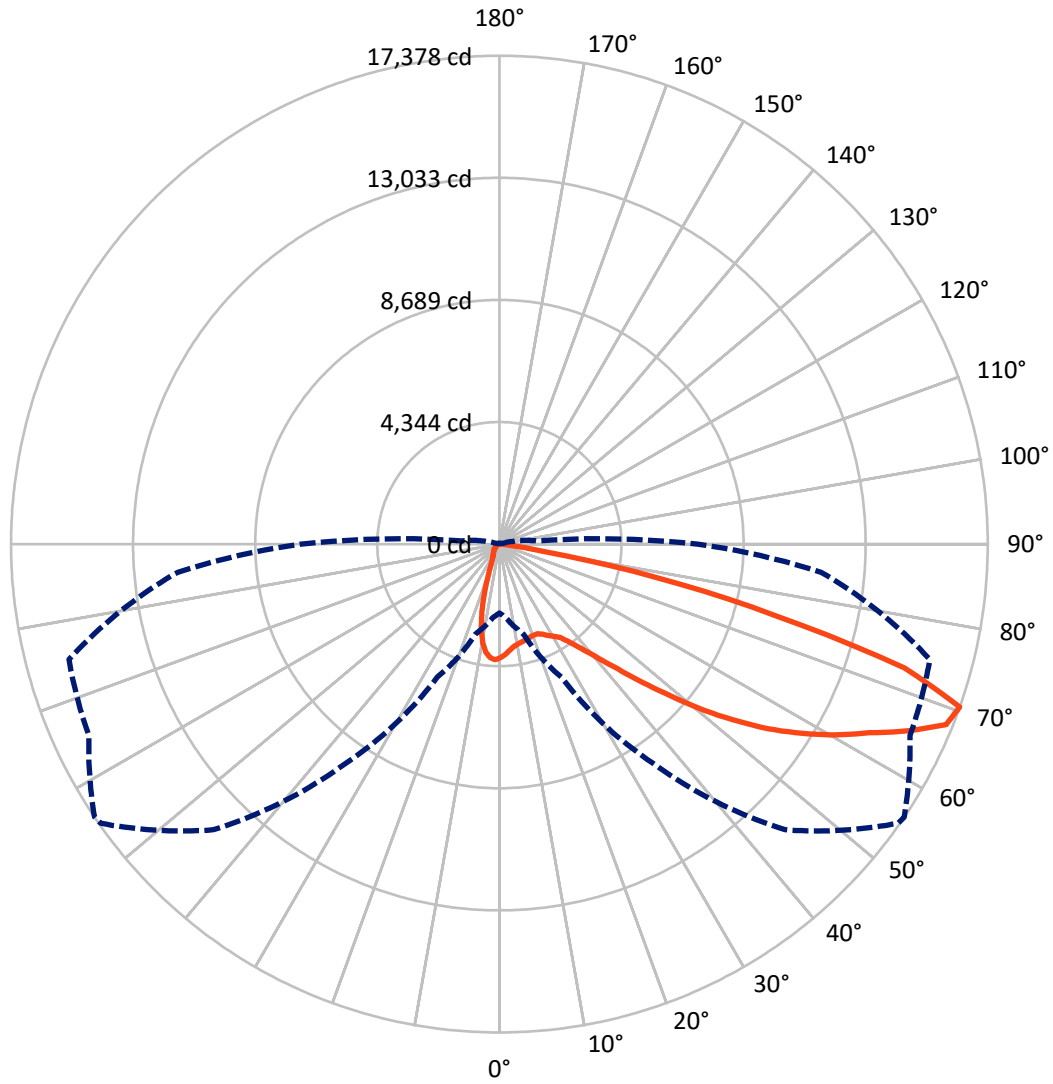
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P642352
CATALOG NUMBER: GWS-SA6C-760-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642352
 CATALOG NUMBER: GWS-SA6C-760-U-T3R-W-HSS

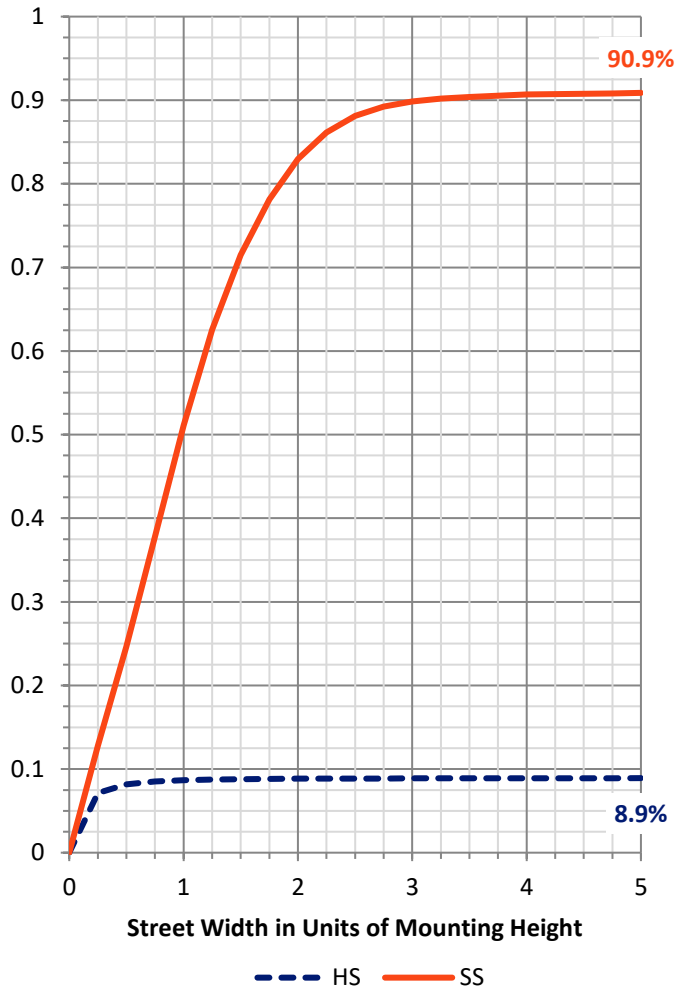
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2014.3	0.0	2014.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	20411.5	0.0	20411.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	22425.8	0.0	22425.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.2	1.5
10°-20°	780.8	3.5
20°-30°	1236.9	5.5
30°-40°	2133.0	9.5
40°-50°	3601.8	16.1
50°-60°	5292.3	23.6
60°-70°	6274.3	28.0
70°-80°	2675.6	11.9
80°-90°	84.0	0.4
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°	22425.8	100.0
0°-180°	22425.8	100.0

Coefficient of Utilization



REPORT NUMBER: P642352

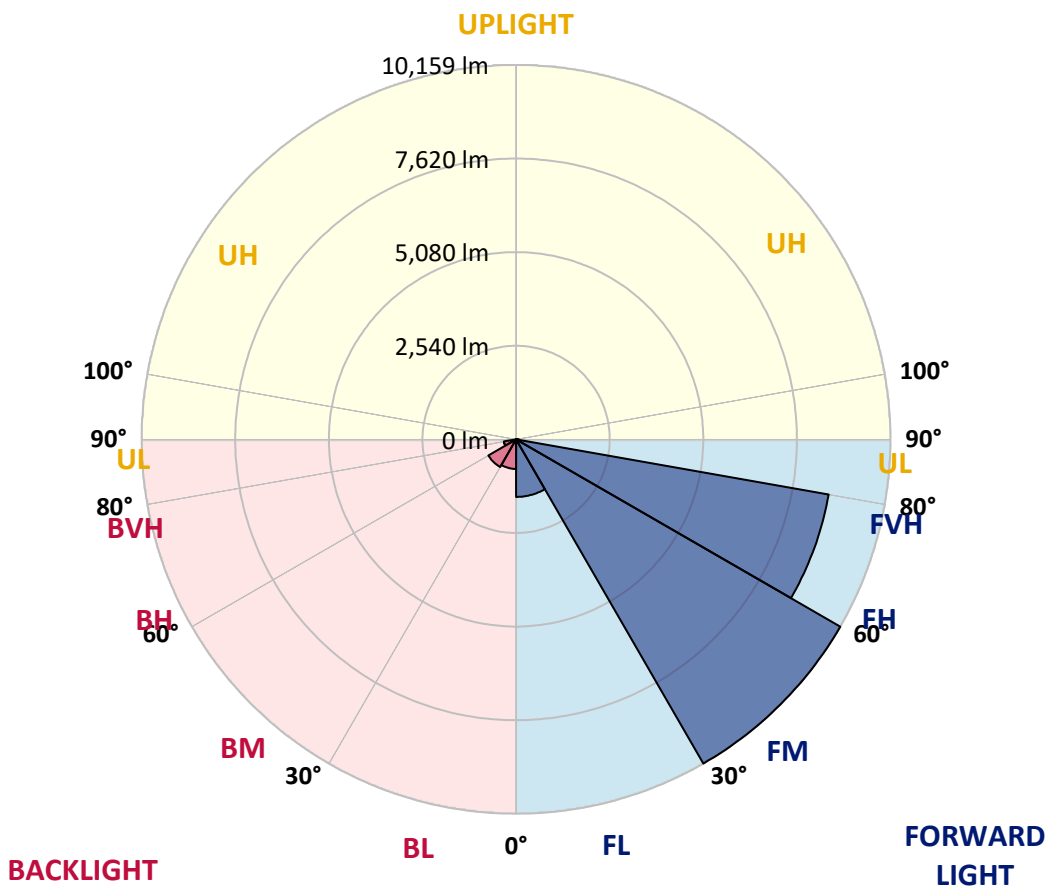
CATALOG NUMBER: GWS-SA6C-760-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1562.7	7.0			
FM (30°-60°)	10159.5	45.3			
FH (60°-80°)	8613.9	38.4			G4/12000
FVH (80°-90°)	75.5	0.3			G1/100
BL (0°-30°)	802.2	3.6	B2/1000		
BM (30°-60°)	867.6	3.9	B1/1000		
BH (60°-80°)	336.0	1.5	B1/500		G1/500
BVH (80°-90°)	8.5	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 Medium





REPORT NUMBER: P642352

CATALOG NUMBER: GWS-SA6C-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6
2.5°	3764.3	3758.1	3762.3	3793.1	3850.6	3877.3	3922.4	3930.6	3967.6	4014.8	4033.3
5°	3519.9	3499.4	3509.7	3552.8	3618.5	3692.4	3776.6	3799.2	3891.6	3996.4	4074.4
7.5°	3296.1	3273.5	3298.1	3365.9	3458.3	3538.4	3663.7	3678.1	3825.9	4010.7	4152.4
10°	2944.9	2951.1	3000.4	3119.5	3261.2	3427.5	3595.9	3616.4	3799.2	4058.0	4277.7
12.5°	2675.9	2661.5	2714.9	2850.4	3049.6	3292.0	3544.6	3571.3	3801.3	4129.8	4437.9
15°	2550.6	2546.5	2569.1	2667.7	2860.7	3146.2	3497.3	3532.2	3828.0	4195.6	4589.9
17.5°	2554.7	2548.6	2546.5	2604.0	2747.8	3037.3	3446.0	3491.2	3850.6	4267.4	4750.0
20°	2733.4	2704.6	2653.3	2626.6	2712.8	2967.5	3411.1	3462.4	3883.4	4343.4	4920.5
22.5°	3107.1	3117.4	2979.8	2836.1	2795.0	2975.7	3407.0	3466.5	3955.3	4462.5	5130.0
25°	3854.7	3838.2	3583.6	3261.2	3037.3	3070.2	3478.8	3550.7	4097.0	4633.0	5327.1
27.5°	4791.1	4805.5	4456.4	3943.0	3474.7	3265.3	3610.3	3682.2	4261.3	4739.8	5458.5
30°	5811.8	5797.4	5423.6	4854.8	4094.9	3589.7	3741.7	3805.4	4343.4	4797.3	5594.1
32.5°	6777.0	6744.1	6374.5	5778.9	4885.6	4101.1	3922.4	3959.4	4452.3	4922.6	5776.9
35°	7600.5	7598.4	7276.0	6641.4	5698.8	4741.8	4232.5	4263.3	4655.6	5121.8	6045.9
37.5°	8450.7	8421.9	8060.5	7481.4	6534.7	5444.2	4706.9	4694.6	4975.9	5415.4	6376.5
40°	9148.9	9130.4	8853.2	8296.7	7403.3	6220.4	5281.9	5245.0	5355.9	5822.0	6836.5
42.5°	9666.4	9668.5	9582.2	9243.4	8323.4	7117.9	6004.8	5947.3	5945.3	6436.1	7444.4
45°	10058.7	10085.4	10214.8	10163.4	9409.7	8163.2	6931.0	6871.4	6770.8	7232.9	8140.6
47.5°	10241.5	10276.4	10666.6	10871.9	10360.6	9200.3	8033.8	7908.5	7711.4	8292.6	8918.9
50°	10223.0	10284.6	10828.8	11453.1	11223.1	10251.7	9235.2	9175.6	8853.2	9413.8	9689.0
52.5°	9804.0	9935.5	10839.1	11806.3	11886.4	11221.0	10477.6	10366.7	10210.6	10584.4	10411.9
55°	8666.3	8826.5	10405.7	11919.3	12403.9	12067.1	11693.4	11603.0	11344.3	11689.3	11042.4
57.5°	8048.2	8185.8	9493.9	11863.8	12843.4	12849.6	12775.6	12701.7	12488.1	12781.8	11781.7
60°	7676.5	7814.1	9007.2	11660.5	13241.8	13675.1	13792.2	13784.0	13475.9	14024.2	12648.3
62.5°	7132.3	7321.2	8500.0	11132.7	13525.2	14488.4	14841.6	14786.1	14443.2	15318.0	13506.7
65°	6033.6	6197.9	7460.8	10262.0	13358.9	15161.9	15979.3	16008.0	15611.7	16535.8	14184.4
67.5°	4230.5	4351.6	5606.4	8434.3	12229.4	15383.7	17143.7	17141.6	16466.0	17160.1	13884.6
70°	2452.0	2618.4	3312.5	5214.2	9514.5	14375.4	17318.3	17377.8	16118.9	15856.1	11490.1
72.5°	948.8	1086.4	1877.0	2770.3	4961.6	11011.6	14897.0	15071.6	13490.3	12231.4	7996.8
75°	283.4	316.3	883.1	1474.5	1992.0	5318.9	10085.4	10134.7	9253.7	7629.2	4099.0
77.5°	211.5	234.1	386.1	745.5	698.2	1612.1	5218.3	5698.8	4912.3	2725.2	1129.5
80°	143.8	170.5	275.2	363.5	258.8	429.2	1466.3	1610.0	1499.1	612.0	283.4
82.5°	63.7	82.1	195.1	182.8	94.5	123.2	451.8	480.5	310.1	184.8	98.6
85°	6.2	8.2	73.9	80.1	34.9	28.8	94.5	94.5	67.8	63.7	41.1
87.5°	0.0	0.0	2.1	4.1	4.1	6.2	8.2	10.3	12.3	16.4	20.5
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: P642352

CATALOG NUMBER: GWS-SA6C-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6	4043.6
2.5°	4080.6	4055.9	4086.7	4111.4	4117.5	4072.3	4045.7	4006.6	3998.4	4000.5	3990.2
5°	4136.0	4123.7	4146.3	4119.6	4049.8	3918.3	3805.4	3680.1	3612.3	3573.3	3569.2
7.5°	4238.7	4232.5	4207.9	4086.7	3869.0	3577.4	3296.1	3020.9	2850.4	2788.8	2778.6
10°	4390.7	4378.3	4277.7	3990.2	3526.1	2965.4	2493.1	2098.8	1858.5	1788.7	1702.5
12.5°	4565.2	4540.6	4320.8	3782.8	3008.6	2232.3	1642.9	1201.4	994.0	932.3	932.3
15°	4733.6	4680.2	4296.2	3439.8	2371.9	1451.9	918.0	694.1	630.5	614.0	614.0
17.5°	4906.1	4803.4	4199.7	2971.6	1638.8	858.4	612.0	568.9	560.6	562.7	564.7
20°	5068.4	4908.2	4029.2	2408.9	1045.3	599.7	548.3	538.1	533.9	538.1	536.0
22.5°	5245.0	5004.7	3770.5	1794.9	679.8	540.1	521.6	513.4	509.3	515.5	515.5
25°	5419.5	5074.5	3427.5	1207.5	540.1	503.1	492.9	484.7	480.5	482.6	482.6
27.5°	5509.9	5047.8	2977.8	770.1	484.7	466.2	455.9	445.6	439.5	437.4	439.5
30°	5571.5	4965.7	2427.4	548.3	439.5	416.9	406.6	398.4	382.0	371.7	375.8
32.5°	5668.0	4883.5	1829.8	460.0	402.5	367.6	351.2	330.6	308.0	297.8	297.8
35°	5783.0	4770.6	1283.5	414.8	363.5	326.5	295.7	260.8	234.1	225.9	225.9
37.5°	5935.0	4663.8	854.3	384.0	330.6	291.6	248.5	207.4	178.7	174.6	172.5
40°	6162.9	4573.4	601.7	361.4	301.9	254.7	203.3	160.2	139.6	133.5	133.5
42.5°	6458.7	4481.0	476.4	338.8	277.2	219.7	162.2	127.3	110.9	106.8	104.7
45°	6824.2	4372.2	414.8	318.3	252.6	182.8	129.4	106.8	94.5	90.4	90.4
47.5°	7220.6	4224.3	386.1	291.6	223.8	147.9	108.8	92.4	86.3	84.2	82.1
50°	7610.8	4025.1	361.4	267.0	191.0	121.2	94.5	84.2	80.1	78.0	78.0
52.5°	7951.7	3793.1	330.6	238.2	156.1	104.7	84.2	78.0	73.9	69.8	67.8
55°	8243.3	3540.5	291.6	205.4	127.3	92.4	78.0	71.9	67.8	63.7	61.6
57.5°	8619.1	3396.7	234.1	166.3	104.7	82.1	71.9	65.7	61.6	55.4	55.4
60°	9036.0	3292.0	174.6	131.4	90.4	76.0	65.7	59.6	55.4	49.3	49.3
62.5°	9370.7	3135.9	137.6	106.8	78.0	67.8	59.6	53.4	49.3	43.1	43.1
65°	9498.0	2813.5	112.9	84.2	63.7	59.6	53.4	49.3	43.1	37.0	37.0
67.5°	8923.0	2168.6	94.5	67.8	53.4	51.3	47.2	45.2	37.0	32.9	30.8
70°	7066.5	1322.5	78.0	55.4	45.2	43.1	43.1	39.0	32.9	30.8	28.8
72.5°	4842.5	681.8	63.7	45.2	39.0	39.0	37.0	34.9	30.8	28.8	28.8
75°	2515.7	228.0	49.3	34.9	30.8	32.9	32.9	30.8	28.8	28.8	26.7
77.5°	720.8	102.7	37.0	26.7	24.6	24.6	26.7	26.7	26.7	24.6	24.6
80°	186.9	59.6	26.7	20.5	20.5	20.5	20.5	22.6	24.6	22.6	22.6
82.5°	76.0	32.9	18.5	16.4	16.4	16.4	16.4	18.5	20.5	20.5	20.5
85°	47.2	16.4	14.4	14.4	14.4	12.3	12.3	14.4	14.4	16.4	16.4
87.5°	28.8	12.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3	10.3	10.3
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)