

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: P641832

Luminaire Tested: GWS-SA6B-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16830.5 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

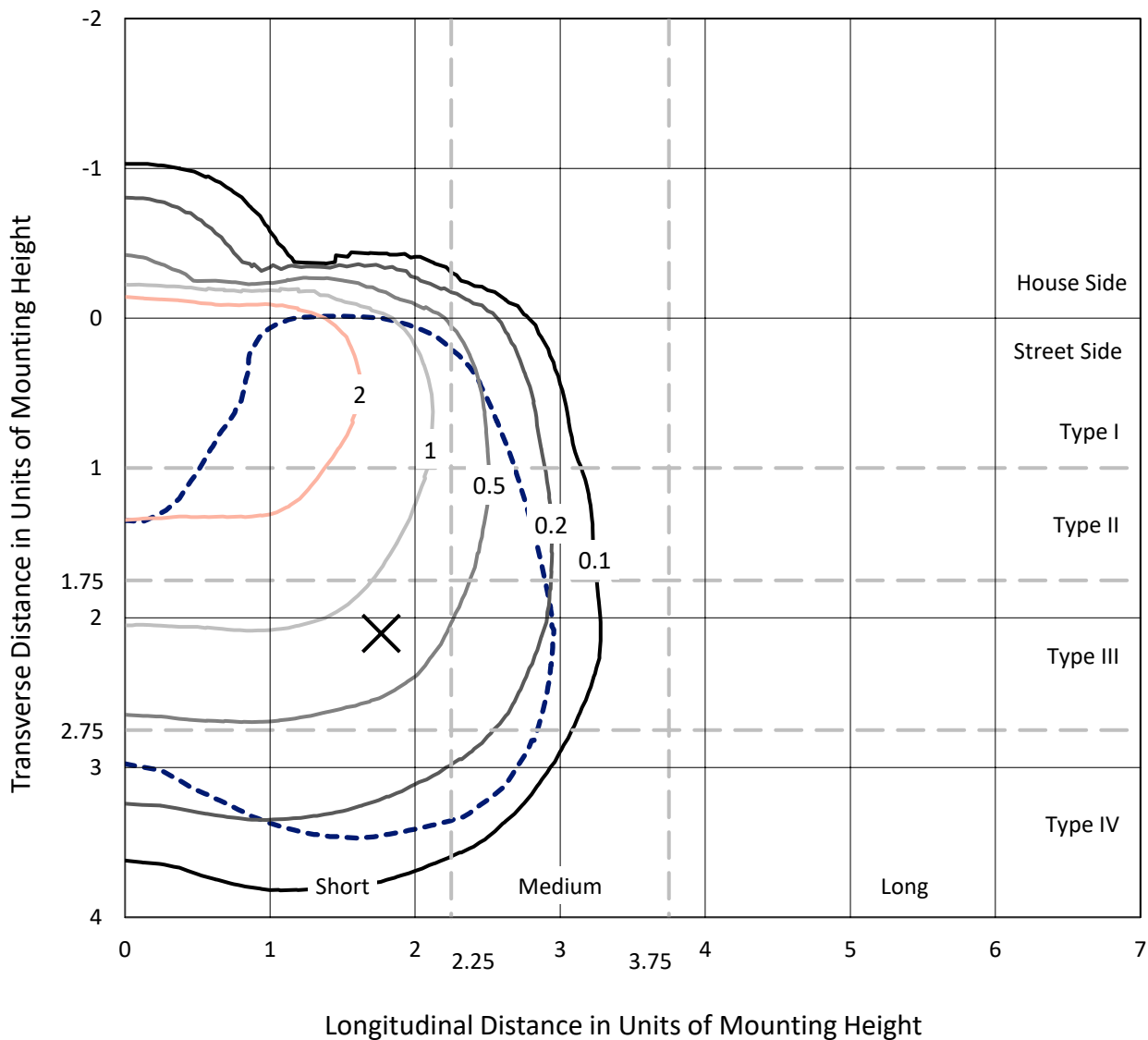
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641832
 CATALOG NUMBER: GWS-SA6B-760-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

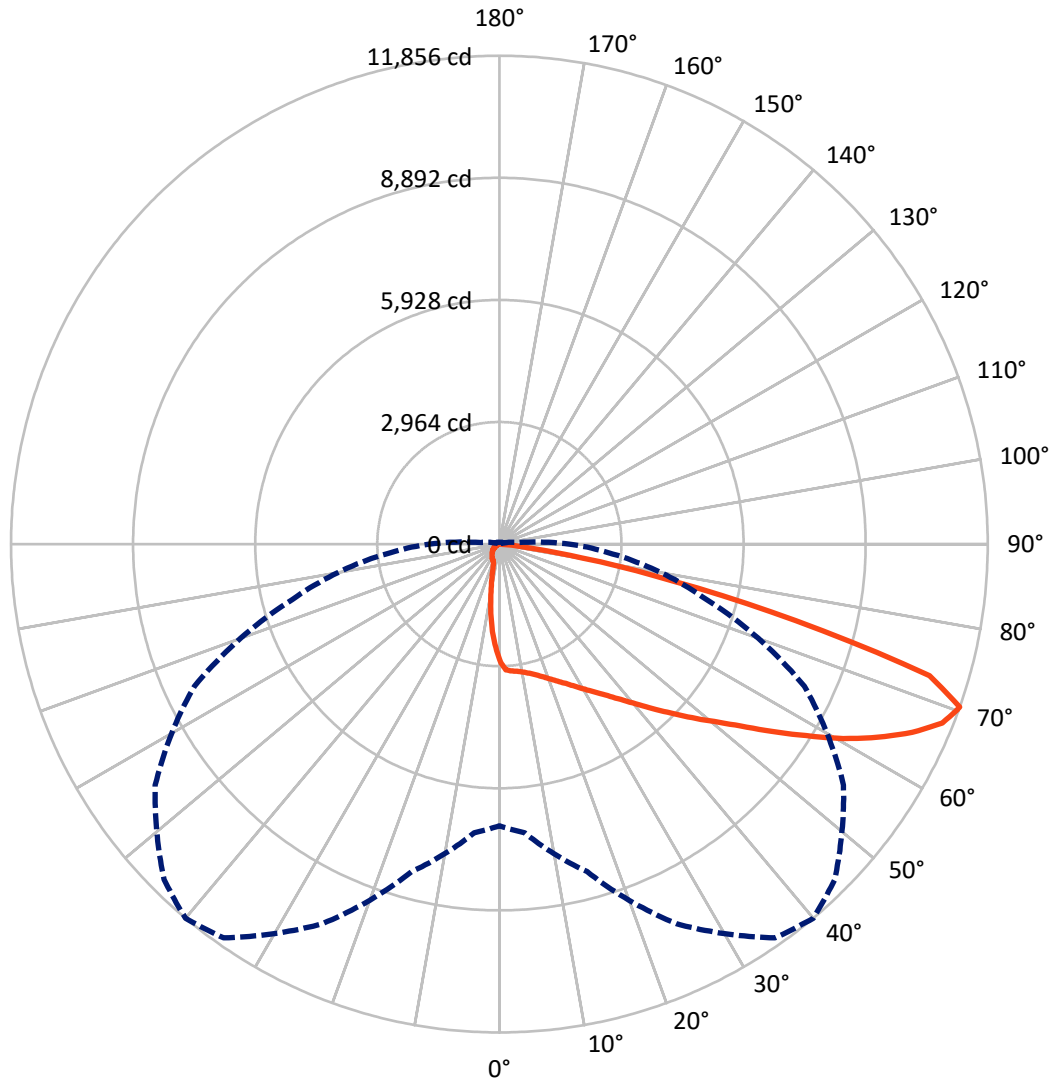
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P641832
CATALOG NUMBER: GWS-SA6B-760-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P641832
 CATALOG NUMBER: GWS-SA6B-760-U-SL4-W-HSS

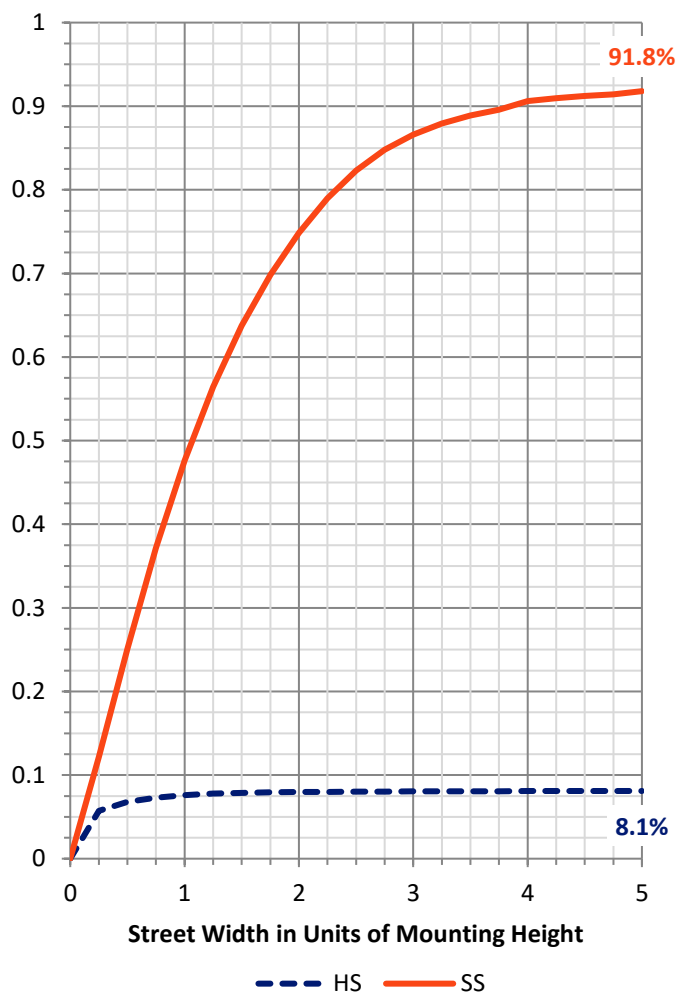
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1376.3	0.0	1376.3
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	15454.2	0.0	15454.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	16830.5	0.0	16830.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	1.4
10°-20°	612.2	3.6
20°-30°	1024.6	6.1
30°-40°	1609.3	9.6
40°-50°	2545.5	15.1
50°-60°	3713.3	22.1
60°-70°	4603.2	27.4
70°-80°	2328.9	13.8
80°-90°	152.0	0.9
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°	16830.5	100.0
0°-180°	16830.5	100.0

Coefficient of Utilization



REPORT NUMBER: P641832

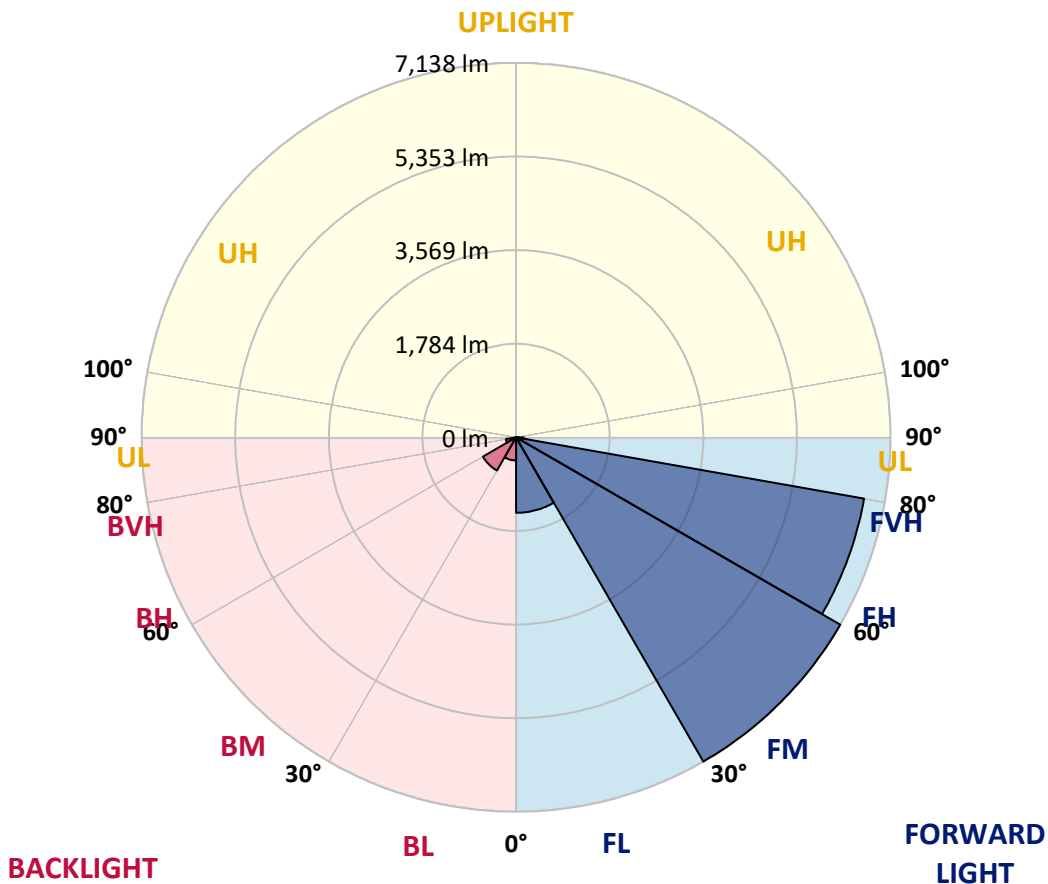
CATALOG NUMBER: GWS-SA6B-760-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1438.7	8.5			
FM (30°-60°)	7137.6	42.4			
FH (60°-80°)	6735.9	40.0			G3/7500
FVH (80°-90°)	142.0	0.8			G2/225
BL (0°-30°)	439.5	2.6	B1/500		
BM (30°-60°)	730.5	4.3	B1/1000		
BH (60°-80°)	196.2	1.2	B1/500		G1/500
BVH (80°-90°)	10.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





REPORT NUMBER: P641832
 CATALOG NUMBER: GWS-SA6B-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9
2.5°	3070.3	3081.0	3079.5	3084.1	3073.4	3056.5	3053.5	3030.5	2989.2	2937.1	2878.9
5°	3133.1	3145.4	3136.2	3131.6	3111.7	3093.3	3088.7	3064.2	3016.7	2946.3	2845.2
7.5°	3186.7	3189.8	3183.6	3172.9	3143.8	3119.3	3102.5	3068.8	3012.1	2941.7	2825.3
10°	3195.9	3194.4	3197.4	3199.0	3180.6	3159.1	3145.4	3099.4	3027.4	2952.4	2826.8
12.5°	3185.2	3185.2	3205.1	3228.0	3228.0	3217.3	3203.5	3162.2	3078.0	2989.2	2857.5
15°	3199.0	3203.5	3241.8	3284.7	3298.5	3287.8	3281.6	3238.8	3151.5	3053.5	2912.6
17.5°	3248.0	3252.5	3313.8	3378.1	3395.0	3382.7	3370.5	3327.6	3234.2	3127.0	2975.4
20°	3319.9	3332.2	3410.3	3493.0	3508.3	3493.0	3468.5	3408.7	3315.3	3206.6	3035.1
22.5°	3451.6	3459.3	3543.5	3630.8	3638.4	3613.9	3577.2	3494.5	3396.5	3290.8	3102.5
25°	3626.2	3636.9	3721.1	3805.4	3785.5	3748.7	3698.2	3604.8	3493.0	3390.4	3188.2
27.5°	3834.5	3846.7	3929.4	4002.9	3950.8	3908.0	3851.3	3734.9	3621.6	3528.2	3298.5
30°	4059.6	4070.3	4143.8	4209.6	4140.7	4090.2	4022.8	3903.4	3788.5	3718.1	3454.7
32.5°	4277.0	4275.5	4345.9	4399.5	4329.1	4289.3	4228.0	4107.0	4015.2	3984.5	3687.4
35°	4479.1	4479.1	4537.3	4590.9	4540.4	4519.0	4462.3	4365.8	4313.8	4350.5	3998.3
37.5°	4682.8	4672.1	4727.2	4786.9	4782.3	4783.9	4751.7	4705.8	4708.8	4839.0	4425.5
40°	4851.3	4846.7	4911.0	4989.1	5050.3	5099.3	5079.4	5096.3	5192.7	5436.2	4972.2
42.5°	4986.0	4996.7	5079.4	5203.5	5358.1	5457.7	5471.4	5540.4	5788.4	6165.1	5589.4
45°	5140.7	5142.2	5257.1	5446.9	5693.5	5851.2	5906.3	6084.0	6436.2	6921.6	6266.2
47.5°	5330.6	5312.2	5440.8	5707.3	6064.1	6296.8	6394.8	6616.9	7162.0	7659.7	6817.5
50°	5540.4	5506.7	5652.1	6015.1	6479.1	6770.0	6969.1	7293.7	7881.8	8266.1	7227.9
52.5°	5783.8	5751.7	5917.1	6368.8	6976.7	7330.5	7586.2	7913.9	8498.9	8728.6	7472.9
55°	6093.2	6061.0	6235.6	6793.0	7564.8	8024.2	8292.2	8567.8	9073.1	9070.1	7650.5
57.5°	6436.2	6391.8	6633.7	7329.0	8298.3	8776.1	9048.6	9183.4	9509.6	9335.0	7770.0
60°	6829.7	6789.9	7125.3	7967.5	9145.1	9587.7	9759.2	9704.1	9867.9	9491.2	7728.6
62.5°	7185.0	7166.6	7583.2	8644.4	9952.1	10325.8	10373.2	10132.8	10131.3	9494.3	7449.9
65°	7554.1	7589.3	8207.9	9423.8	10763.7	11014.9	10933.7	10558.5	10237.0	9119.1	6626.1
67.5°	7691.9	7794.5	8619.9	10128.2	11403.8	11599.8	11457.4	10771.4	9797.5	7857.3	5045.7
70°	6840.5	7033.4	8230.9	10168.0	11668.7	11855.6	11514.1	10198.7	8168.1	5205.0	2764.1
72.5°	5201.9	5427.0	6858.8	8325.9	10494.2	10919.9	10336.5	8309.0	5264.7	2280.2	928.0
75°	2911.1	3154.5	5108.5	6269.3	7045.7	7434.6	7220.2	5330.6	2332.2	595.7	277.2
77.5°	984.6	1065.8	2376.6	3878.9	4650.7	4301.5	3641.5	2647.7	857.5	226.6	147.0
80°	583.4	614.1	885.1	1931.0	2447.1	2029.0	1601.8	978.5	436.4	121.0	102.6
82.5°	174.6	206.7	488.5	716.7	958.6	597.2	505.3	558.9	226.6	65.8	85.8
85°	0.0	0.0	104.1	222.0	251.1	98.0	98.0	317.0	41.3	27.6	62.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	7.7	4.6	6.1	13.8
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: P641832
 CATALOG NUMBER: GWS-SA6B-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9
2.5°	2837.6	2784.0	2721.2	2661.5	2604.8	2531.3	2496.1	2453.2	2416.4	2396.5	2407.3
5°	2780.9	2696.7	2568.0	2437.9	2306.2	2182.1	2070.4	1995.3	1927.9	1892.7	1900.4
7.5°	2731.9	2618.6	2418.0	2205.1	1993.8	1780.9	1607.9	1473.1	1369.0	1326.1	1318.5
10°	2710.5	2568.0	2284.7	1978.5	1653.8	1367.5	1122.5	973.9	868.3	816.2	825.4
12.5°	2721.2	2542.0	2171.4	1756.4	1335.3	1001.5	767.2	627.8	552.8	522.2	514.5
15°	2751.8	2535.9	2070.4	1529.8	1030.6	699.8	529.8	473.2	457.9	454.8	454.8
17.5°	2787.0	2537.4	1966.2	1300.1	782.5	519.1	453.3	442.6	438.0	434.9	436.4
20°	2822.2	2537.4	1846.8	1067.3	588.0	448.7	431.8	424.2	419.6	418.1	418.1
22.5°	2865.1	2537.4	1713.6	851.4	471.7	425.7	411.9	407.3	402.7	401.2	399.7
25°	2917.2	2538.9	1566.6	666.1	428.8	405.8	395.1	390.5	385.9	382.8	382.8
27.5°	2992.2	2551.2	1404.2	519.1	404.3	387.4	378.2	373.6	369.1	364.5	364.5
30°	3100.9	2581.8	1222.0	428.8	381.3	367.5	358.3	355.3	350.7	346.1	344.5
32.5°	3263.3	2635.4	1033.6	384.4	359.9	346.1	335.4	332.3	327.7	323.1	321.6
35°	3489.9	2733.4	849.9	356.8	332.3	318.5	312.4	310.9	304.7	300.1	300.1
37.5°	3822.2	2892.7	673.8	329.2	309.3	298.6	291.0	287.9	281.8	277.2	275.6
40°	4228.0	3099.4	523.7	307.8	287.9	277.2	269.5	264.9	257.3	251.1	248.1
42.5°	4745.6	3352.1	413.5	284.8	268.0	257.3	251.1	242.0	231.2	222.0	220.5
45°	5284.6	3612.4	341.5	263.4	249.6	240.4	232.8	220.5	205.2	194.5	191.4
47.5°	5698.1	3774.7	298.6	240.4	229.7	222.0	212.9	197.5	179.2	166.9	163.9
50°	5993.6	3799.2	266.5	219.0	212.9	205.2	191.4	173.0	153.1	140.9	137.8
52.5°	6139.1	3689.0	240.4	199.1	194.5	186.8	170.0	150.1	128.6	116.4	113.3
55°	6205.0	3480.7	215.9	182.2	176.1	166.9	148.5	127.1	105.7	94.9	91.9
57.5°	6178.9	3172.9	194.5	165.4	157.7	147.0	127.1	104.1	87.3	76.6	75.0
60°	5986.0	2741.1	173.0	148.5	139.4	127.1	107.2	85.8	70.4	62.8	61.3
62.5°	5569.5	2205.1	151.6	128.6	122.5	110.3	91.9	70.4	58.2	53.6	52.1
65°	4716.5	1558.9	130.2	108.7	105.7	93.4	76.6	58.2	50.5	47.5	45.9
67.5°	3390.4	947.9	110.3	93.4	90.3	79.6	64.3	50.5	45.9	44.4	44.4
70°	1704.4	448.7	87.3	76.6	76.6	65.8	55.1	45.9	44.4	42.9	42.9
72.5°	578.8	191.4	65.8	59.7	62.8	56.7	47.5	42.9	42.9	42.9	42.9
75°	197.5	101.1	45.9	42.9	45.9	45.9	41.3	41.3	42.9	42.9	42.9
77.5°	128.6	67.4	32.2	29.1	35.2	35.2	35.2	38.3	41.3	41.3	41.3
80°	105.7	36.8	21.4	19.9	26.0	26.0	29.1	35.2	38.3	38.3	38.3
82.5°	90.3	23.0	12.3	13.8	18.4	19.9	24.5	29.1	33.7	35.2	35.2
85°	61.3	12.3	9.2	10.7	12.3	15.3	19.9	24.5	27.6	30.6	30.6
87.5°	16.8	4.6	6.1	7.7	7.7	10.7	15.3	18.4	21.4	23.0	23.0
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)