

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: P641855

Luminaire Tested: GWS-SA6B-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 13397.4 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

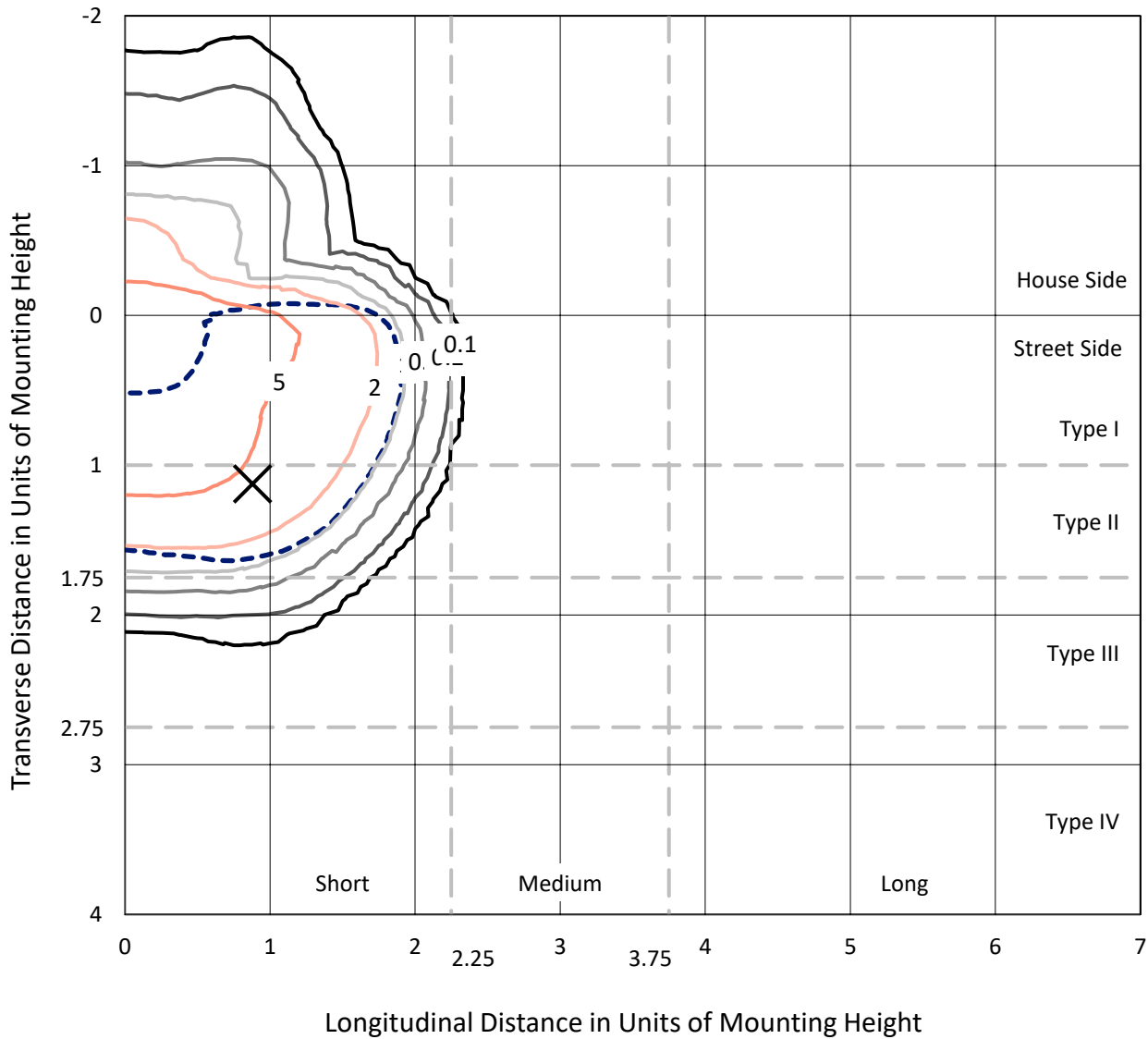
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641855
 CATALOG NUMBER: GWS-SA6B-760-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

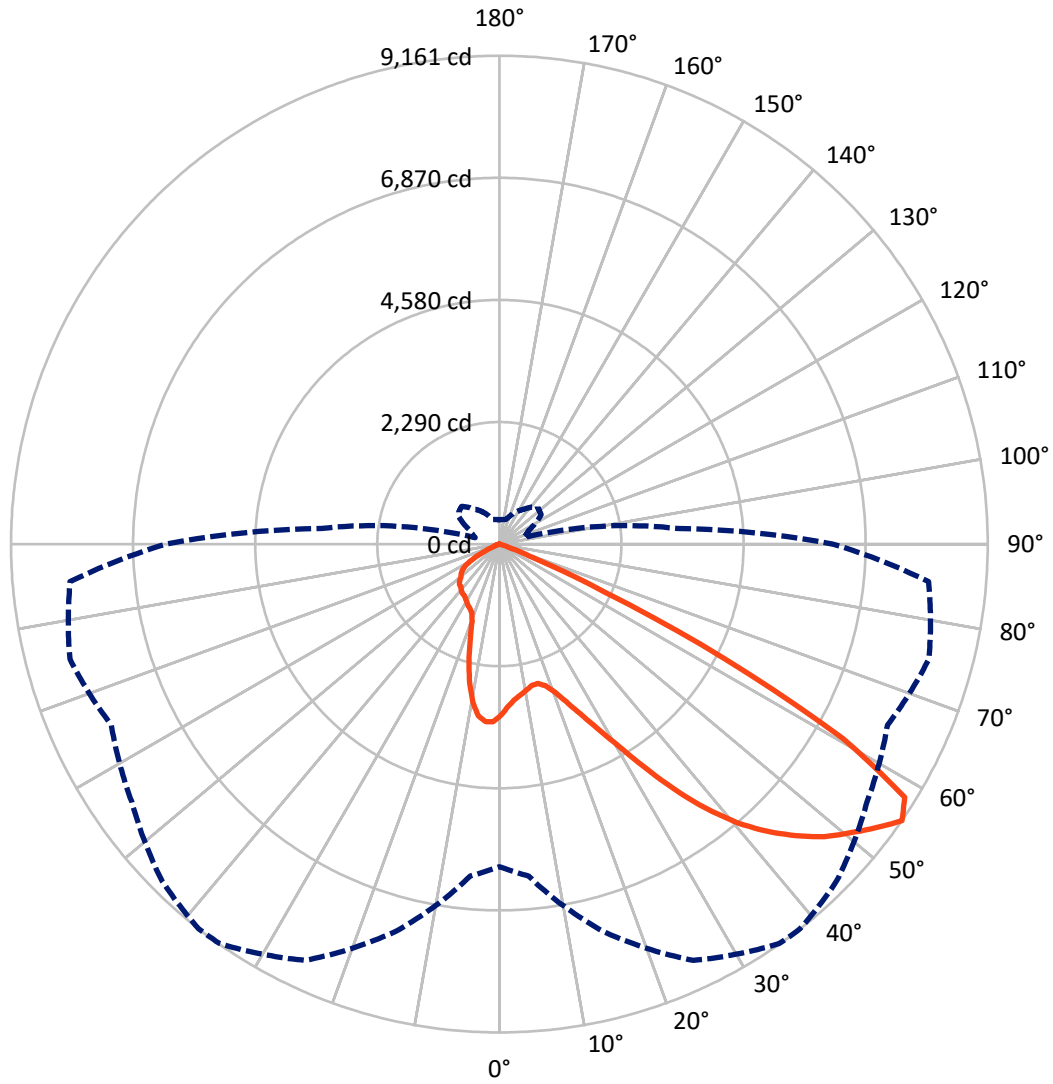
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Short - N/A

REPORT NUMBER: P641855
CATALOG NUMBER: GWS-SA6B-760-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P641855
 CATALOG NUMBER: GWS-SA6B-760-U-T3R-W-GRSBK

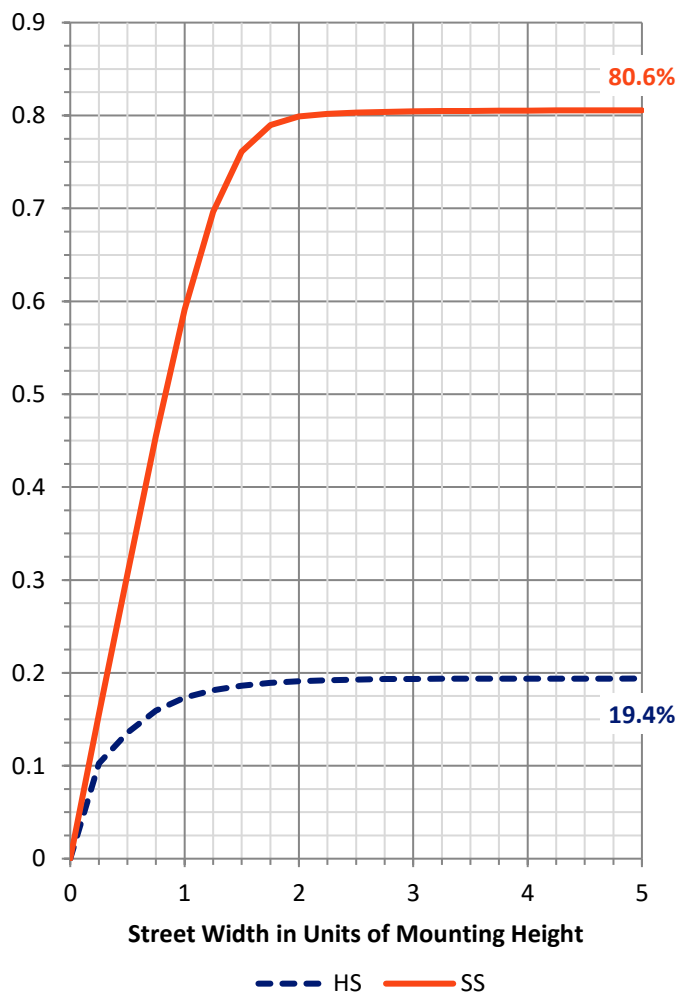
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2610.2	0.0	2610.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	10787.2	0.0	10787.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	13397.4	0.0	13397.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.1	2.2
10°-20°	799.7	6.0
20°-30°	1372.4	10.2
30°-40°	2276.2	17.0
40°-50°	3346.1	25.0
50°-60°	3910.0	29.2
60°-70°	1325.4	9.9
70°-80°	67.8	0.5
80°-90°	2.7	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°	13397.4	100.0
0°-180°	13397.4	100.0

Coefficient of Utilization

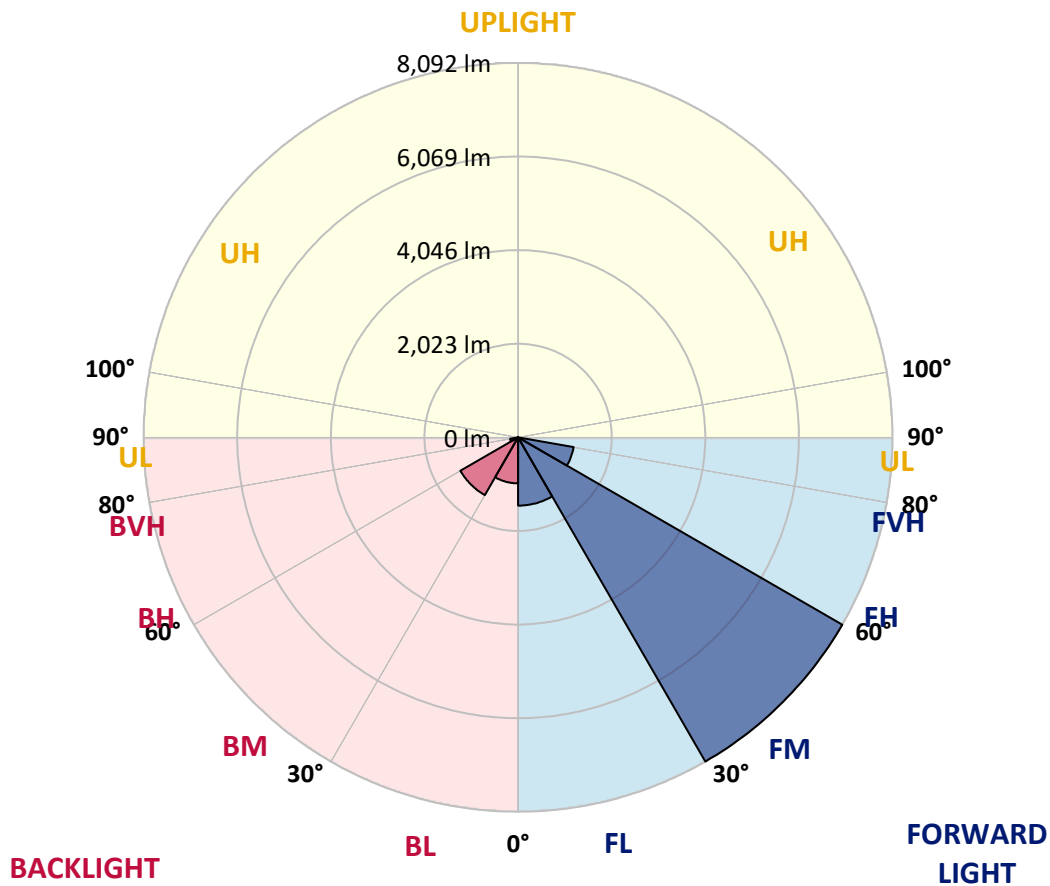


REPORT NUMBER: P641855
 CATALOG NUMBER: GWS-SA6B-760-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1474.7	11.0			
FM (30°-60°)	8091.7	60.4			
FH (60°-80°)	1219.4	9.1			G1/1800
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	994.5	7.4	B2/1000		
BM (30°-60°)	1440.7	10.8	B2/2500		
BH (60°-80°)	173.8	1.3	B1/500		G1/500
BVH (80°-90°)	1.3	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-G1
 Type II Short





REPORT NUMBER: P641855
 CATALOG NUMBER: GWS-SA6B-760-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8
2.5°	2992.3	2986.2	2998.4	3022.9	3045.9	3053.5	3076.5	3108.7	3128.6	3176.0	3214.3
5°	2857.5	2854.5	2866.7	2888.2	2918.8	2929.5	2964.7	3018.3	3071.9	3154.6	3235.8
7.5°	2735.0	2733.5	2751.9	2799.3	2843.7	2857.5	2900.4	2966.2	3038.2	3165.3	3284.8
10°	2574.2	2575.8	2611.0	2678.4	2759.5	2787.1	2856.0	2950.9	3044.3	3208.2	3373.6
12.5°	2522.2	2525.2	2543.6	2595.7	2684.5	2719.7	2816.2	2960.1	3079.6	3269.5	3488.4
15°	2649.3	2649.3	2633.9	2640.1	2679.9	2712.0	2813.1	2990.8	3139.3	3343.0	3601.8
17.5°	2895.8	2886.6	2848.3	2796.3	2782.5	2793.2	2874.4	3056.6	3223.5	3428.7	3730.4
20°	3229.6	3232.7	3157.7	3048.9	2961.7	2960.1	3009.1	3173.0	3344.5	3531.3	3869.8
22.5°	3633.9	3621.7	3522.1	3373.6	3222.0	3209.7	3229.6	3350.6	3519.1	3693.6	4041.3
25°	4102.5	4096.4	3955.5	3756.4	3555.8	3526.7	3526.7	3646.2	3768.7	3924.9	4246.5
27.5°	4592.6	4592.6	4456.3	4226.6	3960.1	3908.0	3900.4	4041.3	4122.4	4153.1	4419.5
30°	5096.4	5090.2	4955.5	4719.7	4434.8	4381.2	4359.8	4463.9	4522.1	4430.2	4635.4
32.5°	5607.9	5618.6	5482.3	5263.3	5009.1	4973.9	4908.0	4908.0	4955.5	4826.9	4975.4
35°	6157.6	6154.5	6047.4	5898.8	5681.4	5641.5	5532.8	5362.8	5434.8	5378.1	5445.5
37.5°	6643.1	6666.0	6614.0	6503.7	6327.6	6287.8	6108.6	5800.8	5855.9	5944.8	6004.5
40°	7136.2	7154.5	7206.6	7171.4	6949.3	6875.8	6557.3	6051.9	6113.2	6417.9	6589.5
42.5°	7620.1	7629.2	7734.9	7793.1	7496.0	7367.4	6897.3	6205.1	6269.4	6788.5	7088.7
45°	7927.9	7947.8	8122.3	8300.0	7978.4	7802.3	7192.8	6401.1	6428.7	7045.8	7457.7
47.5°	7915.6	7961.6	8289.3	8612.4	8393.4	8203.5	7548.1	6715.0	6669.1	7287.8	7701.2
50°	7669.1	7724.2	8194.3	8707.3	8692.0	8515.9	7943.2	7169.8	7025.9	7502.1	7731.9
52.5°	7157.6	7316.9	8027.4	8719.6	8932.4	8843.6	8431.7	7782.4	7508.3	7810.0	7780.9
55°	6051.9	6248.0	7520.5	8615.4	9149.9	9160.6	8944.7	8421.0	8032.0	8339.8	8082.5
57.5°	4594.1	4750.3	5788.6	7669.1	8790.0	8966.1	9143.8	8757.9	8355.1	8701.2	8153.0
60°	2768.7	2949.4	3624.7	5627.8	7099.4	7399.5	8096.3	8021.3	7535.8	7684.4	6685.9
62.5°	1122.5	1217.4	1673.8	3101.0	4468.5	4748.8	5416.4	5529.8	5410.3	5258.7	4055.0
65°	410.4	448.7	670.7	1281.8	2055.1	2157.7	2509.9	2710.5	2875.9	2448.6	1508.4
67.5°	254.2	278.7	436.4	658.5	747.3	695.2	707.5	843.8	805.5	497.7	269.5
70°	188.4	208.3	341.5	456.3	301.7	232.8	157.7	168.4	151.6	133.2	131.7
72.5°	130.2	148.5	255.7	269.5	116.4	82.7	58.2	81.2	91.9	90.4	93.4
75°	85.8	99.5	160.8	105.7	29.1	23.0	19.9	42.9	55.1	55.1	56.7
77.5°	50.5	58.2	56.7	21.4	6.1	6.1	4.6	7.7	12.3	13.8	16.8
80°	6.1	4.6	3.1	3.1	3.1	3.1	3.1	3.1	4.6	4.6	4.6
82.5°	1.5	1.5	1.5	3.1	3.1	3.1	3.1	3.1	3.1	4.6	4.6
85°	0.0	0.0	1.5	1.5	3.1	3.1	3.1	3.1	3.1	4.6	4.6
87.5°	0.0	0.0	1.5	1.5	3.1	3.1	3.1	3.1	3.1	4.6	4.6
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: P641855

CATALOG NUMBER: GWS-SA6B-760-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8	3212.8
2.5°	3243.4	3232.7	3277.1	3309.3	3335.3	3347.6	3330.7	3329.2	3329.2	3295.5	3286.3
5°	3281.7	3286.3	3349.1	3376.7	3381.2	3365.9	3327.7	3301.6	3286.3	3251.1	3231.2
7.5°	3355.2	3370.5	3430.3	3425.7	3384.3	3313.9	3212.8	3134.7	3084.2	3029.0	2995.3
10°	3460.9	3490.0	3526.7	3462.4	3330.7	3151.5	2943.3	2794.7	2705.9	2643.1	2604.8
12.5°	3589.5	3618.6	3606.4	3454.8	3180.6	2860.6	2592.6	2378.2	2275.6	2218.9	2179.1
15°	3719.7	3738.1	3658.4	3362.9	2915.7	2485.4	2186.8	1973.9	1848.4	1802.4	1768.7
17.5°	3852.9	3848.3	3667.6	3182.2	2562.0	2062.7	1768.7	1623.2	1588.0	1580.4	1577.3
20°	3992.3	3950.9	3630.9	2923.4	2136.3	1644.7	1477.8	1487.0	1551.3	1581.9	1588.0
22.5°	4151.5	4047.4	3539.0	2572.7	1701.3	1370.6	1387.4	1477.8	1565.1	1606.4	1612.5
25°	4321.5	4136.2	3385.8	2122.5	1341.5	1260.3	1359.9	1464.0	1557.4	1607.9	1614.1
27.5°	4433.3	4157.6	3134.7	1669.2	1151.6	1217.4	1323.1	1422.6	1519.1	1574.2	1581.9
30°	4554.3	4148.5	2793.2	1286.3	1087.3	1180.7	1272.6	1362.9	1451.7	1513.0	1519.1
32.5°	4731.9	4142.3	2376.7	1044.4	1061.2	1151.6	1219.0	1294.0	1355.3	1390.5	1385.9
35°	4964.7	4134.7	1891.2	941.8	1045.9	1128.6	1182.2	1217.4	1150.1	1128.6	1133.2
37.5°	5263.3	4153.1	1482.4	898.9	1041.3	1122.5	1168.4	1067.4	963.2	923.4	917.3
40°	5594.1	4200.5	1130.1	882.1	1056.6	1137.8	1116.4	949.4	820.8	742.7	725.9
42.5°	5926.4	4252.6	894.3	875.9	1082.7	1180.7	1030.6	863.7	670.7	626.3	620.2
45°	6172.9	4243.4	773.3	865.2	1105.6	1205.2	1007.6	741.2	598.8	578.9	580.4
47.5°	6297.0	4142.3	707.5	840.7	1114.8	1180.7	951.0	690.6	549.8	571.2	589.6
50°	6231.1	3880.5	646.2	793.2	1094.9	1148.5	860.6	652.4	525.3	614.1	655.4
52.5°	6151.5	3558.9	578.9	719.7	1047.5	1104.1	825.4	641.6	509.9	592.6	623.3
55°	6257.1	3355.2	468.6	606.4	954.0	1000.0	797.8	640.1	474.7	460.9	456.3
57.5°	6108.6	2949.4	335.4	436.4	732.0	791.7	777.9	629.4	421.1	419.6	425.7
60°	4721.2	1799.4	229.7	277.2	448.7	505.3	706.0	601.8	362.9	333.8	335.4
62.5°	2682.9	765.7	157.7	171.5	229.7	272.6	539.0	546.7	335.4	318.5	335.4
65°	934.1	274.1	122.5	114.9	127.1	145.5	309.3	422.7	304.7	275.6	278.7
67.5°	193.0	136.3	108.7	94.9	94.9	94.9	157.7	263.4	251.1	219.0	222.0
70°	122.5	116.4	94.9	81.2	78.1	72.0	90.4	145.5	173.0	159.3	160.8
72.5°	90.4	88.8	75.0	65.8	58.2	52.1	56.7	72.0	88.8	91.9	93.4
75°	55.1	56.7	49.0	41.3	36.8	32.2	33.7	33.7	33.7	30.6	33.7
77.5°	16.8	18.4	15.3	12.3	10.7	10.7	10.7	9.2	7.7	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	3.1	3.1	1.5	1.5	0.0	0.0
82.5°	4.6	4.6	4.6	4.6	3.1	3.1	1.5	1.5	0.0	0.0	0.0
85°	4.6	4.6	4.6	4.6	3.1	3.1	1.5	1.5	0.0	0.0	0.0
87.5°	4.6	4.6	4.6	4.6	3.1	3.1	1.5	1.5	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)