

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: P629359

Luminaire Tested: GWS-SA1B-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3577.5 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

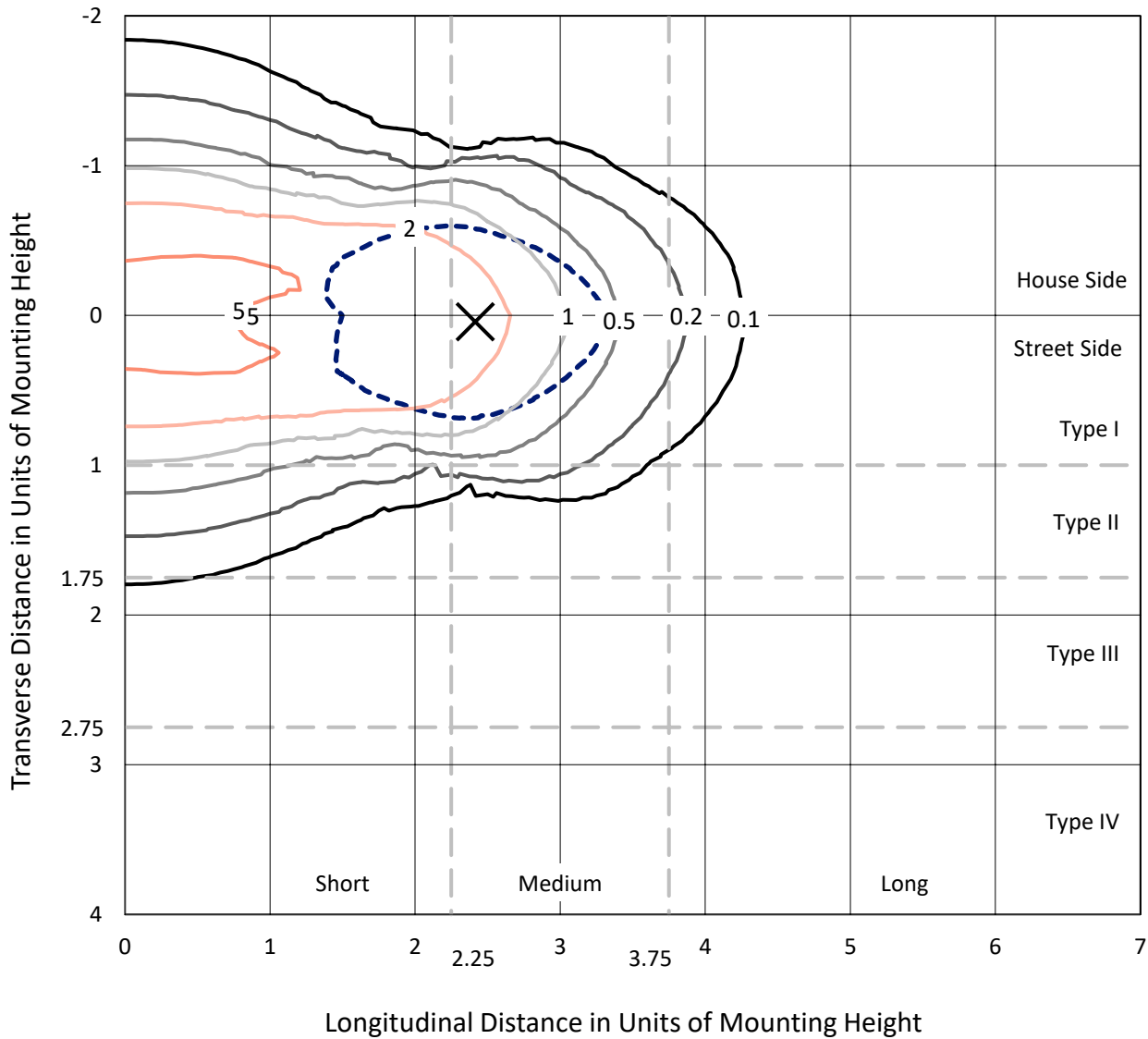
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

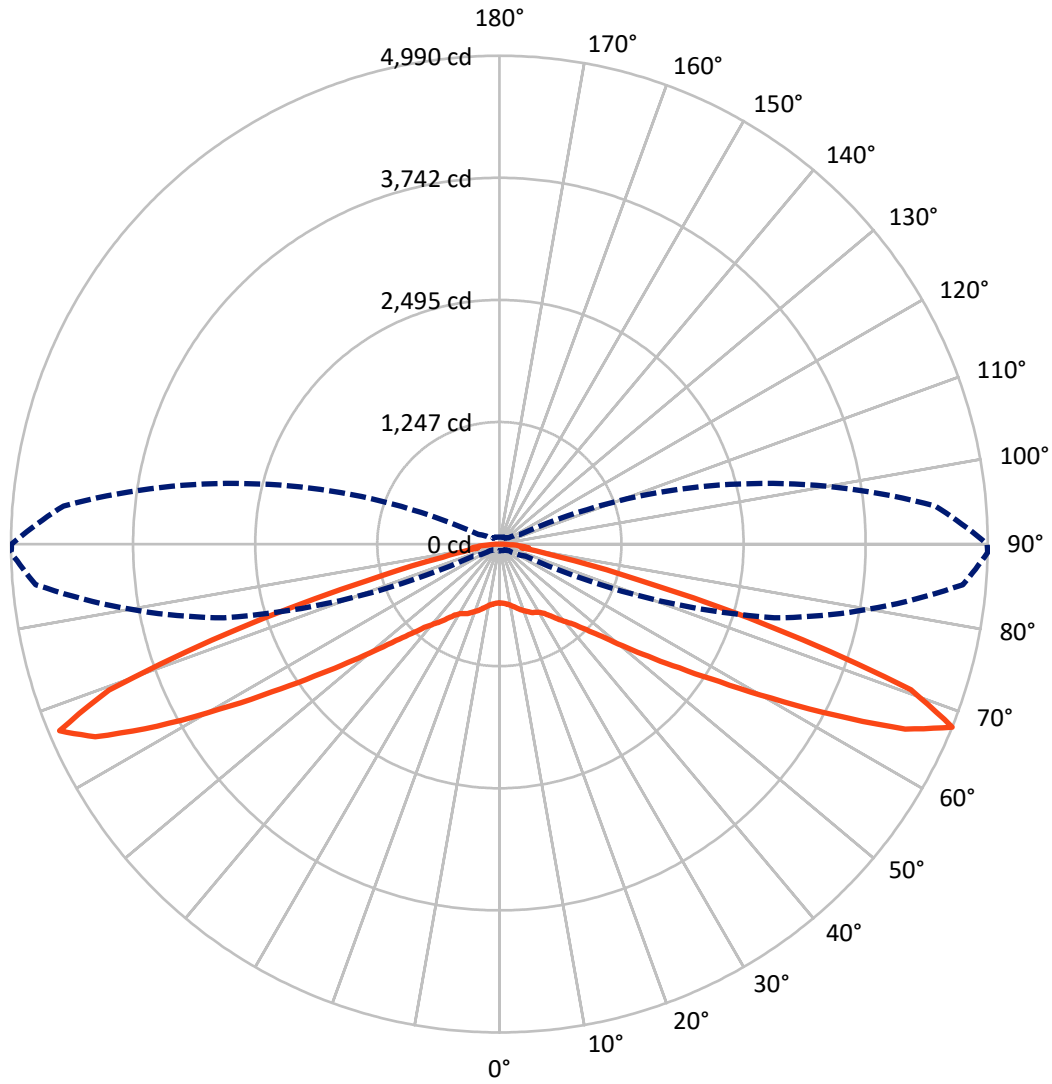
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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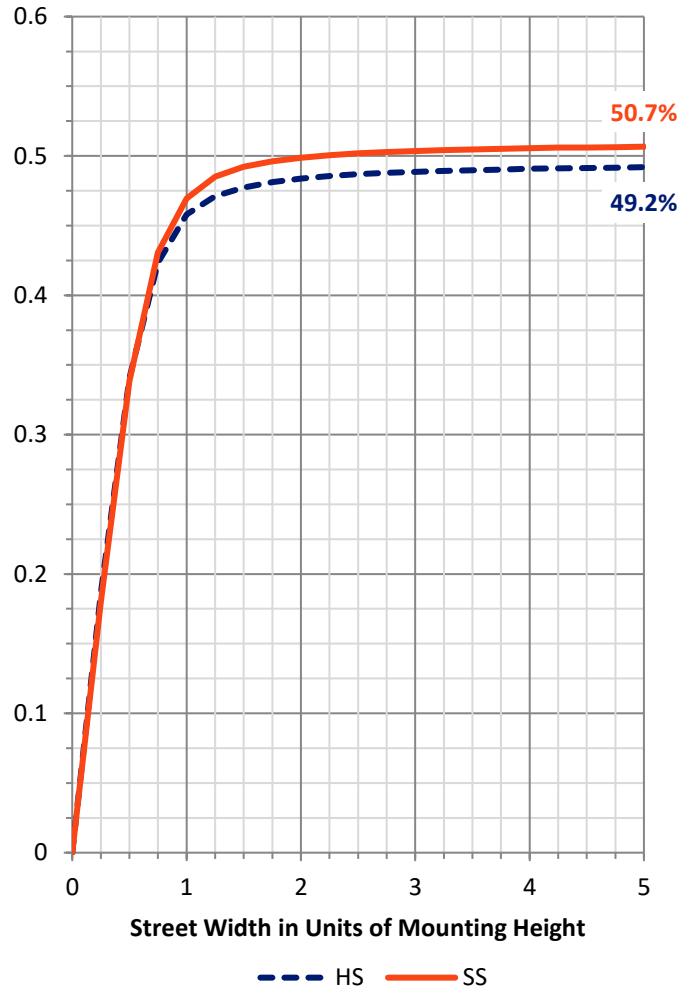
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1773.1	0.0	1773.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1804.4	0.0	1804.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	3577.5	0.0	3577.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.7
10°-20°	196.1	5.5
20°-30°	331.5	9.3
30°-40°	455.0	12.7
40°-50°	580.2	16.2
50°-60°	727.9	20.3
60°-70°	878.0	24.5
70°-80°	317.6	8.9
80°-90°	30.9	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°	3577.5	100.0
0°-180°	3577.5	100.0

Coefficient of Utilization



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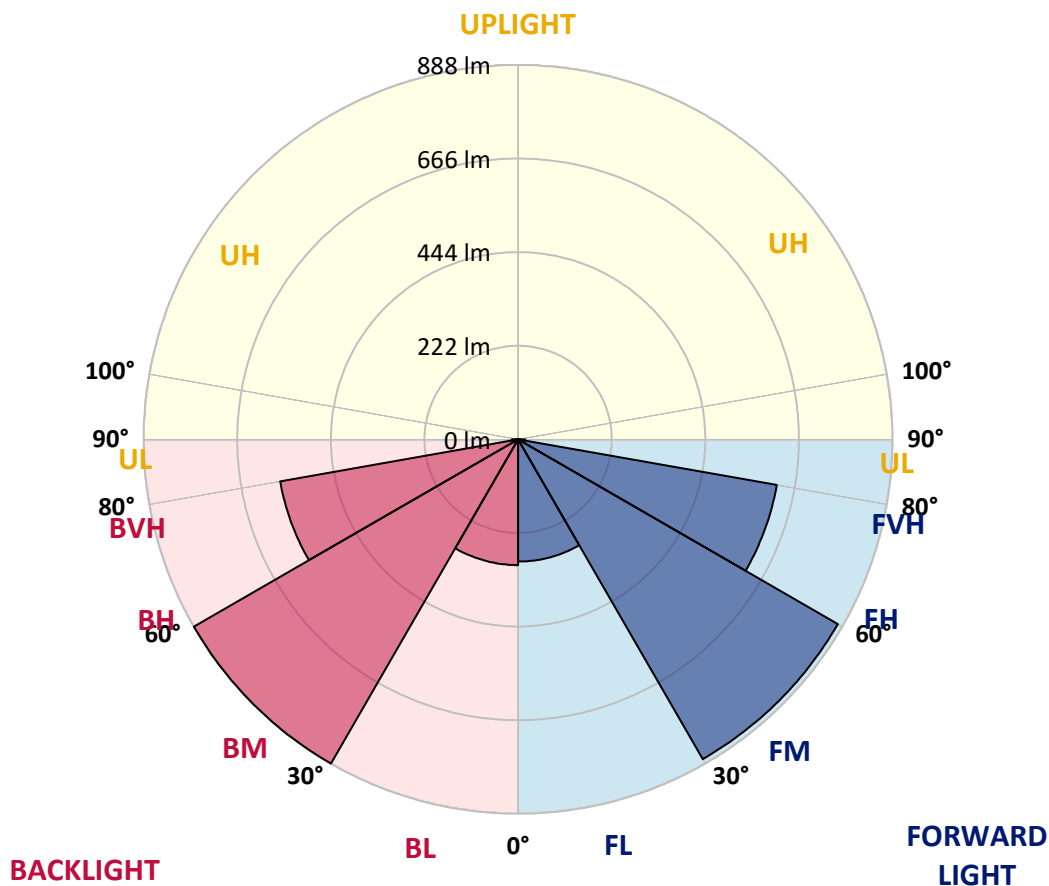
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.7	8.1			
FM (30°-60°)	875.5	24.5			
FH (60°-80°)	622.9	17.4			G0/660
FVH (80°-90°)	16.3	0.5			G1/100
BL (0°-30°)	298.1	8.3	B1/500		
BM (30°-60°)	887.6	24.8	B1/1000		
BH (60°-80°)	572.7	16.0	B2/1000		G2/1000
BVH (80°-90°)	14.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5
2.5°	602.3	601.7	600.5	604.3	603.5	603.8	605.3	604.3	602.5	599.4	603.8
5°	619.2	619.0	616.1	618.4	615.9	614.1	613.8	611.2	609.2	605.9	610.5
7.5°	635.7	635.4	633.1	637.2	635.1	633.1	630.8	625.6	620.8	615.9	621.0
10°	648.2	648.0	647.5	653.4	653.9	654.7	653.6	644.9	636.4	630.5	635.7
12.5°	655.4	656.2	657.5	668.3	673.7	678.8	680.1	672.9	658.8	650.3	656.5
15°	650.6	652.1	658.5	678.0	693.0	704.5	709.4	703.5	685.2	671.1	678.0
17.5°	627.2	628.5	641.1	670.9	703.7	730.5	738.4	734.8	714.5	697.3	704.0
20°	594.8	597.6	611.2	652.9	701.9	748.4	769.8	768.5	746.4	719.9	727.9
22.5°	565.5	568.9	583.2	629.2	689.9	753.1	801.4	804.7	775.4	742.5	749.0
25°	532.6	535.7	554.2	601.2	669.1	749.5	828.4	843.5	808.3	768.5	774.4
27.5°	499.0	501.3	519.5	569.6	641.8	742.8	849.7	886.2	840.7	786.5	790.6
30°	469.4	472.5	489.2	538.0	612.0	729.4	867.2	931.6	877.9	806.8	810.1
32.5°	440.9	443.5	461.7	506.9	580.4	708.9	882.8	985.1	933.2	844.5	844.5
35°	404.9	409.6	430.1	477.1	550.6	681.6	894.1	1047.3	1008.7	900.3	900.6
37.5°	371.8	374.4	395.9	443.5	519.3	650.8	895.2	1111.8	1104.3	971.2	971.7
40°	334.0	337.4	360.5	407.5	483.3	618.4	885.4	1171.9	1204.5	1044.2	1041.4
42.5°	295.7	300.6	322.7	368.7	444.5	578.9	859.4	1229.2	1331.7	1128.7	1121.8
45°	258.7	261.8	283.9	327.3	400.0	531.6	817.8	1284.2	1482.8	1257.2	1247.2
47.5°	217.1	218.4	241.3	282.9	354.1	478.9	758.2	1333.2	1648.7	1427.3	1410.1
50°	180.1	181.9	199.9	235.6	297.8	416.5	684.0	1362.0	1860.2	1659.3	1629.5
52.5°	145.7	147.5	161.9	190.4	246.1	345.3	592.0	1355.3	2074.7	1947.3	1903.9
55°	117.7	119.0	128.7	151.1	193.7	274.7	483.3	1295.5	2312.9	2323.5	2229.9
57.5°	99.4	99.9	106.6	120.2	151.3	211.7	373.1	1154.1	2562.7	2803.4	2649.8
60°	88.9	89.2	92.2	100.7	119.5	161.6	273.4	929.1	2821.4	3403.9	3193.2
62.5°	82.2	82.2	84.8	89.7	99.2	124.4	200.9	667.3	3007.2	4057.2	3847.8
65°	75.8	75.8	77.6	81.7	86.8	101.5	150.8	430.4	3098.4	4603.5	4557.0
67.5°	67.6	67.8	69.1	73.5	78.1	84.8	114.3	291.1	2909.0	4754.6	4989.9
70°	59.9	60.1	61.9	64.7	68.6	73.2	89.4	200.7	2117.4	3959.9	4461.7
72.5°	51.4	52.4	53.7	56.8	59.1	62.4	73.0	130.0	1232.0	2547.2	2949.3
75°	42.1	43.4	45.0	48.0	49.6	50.9	60.1	92.8	592.7	1290.8	1469.9
77.5°	32.6	33.9	35.7	38.5	39.6	41.1	46.0	67.1	283.9	572.2	616.9
80°	21.8	22.4	23.9	27.2	29.0	30.1	33.9	45.7	123.3	229.7	227.6
82.5°	13.4	13.6	14.1	16.2	17.0	18.0	22.1	28.0	58.8	261.0	299.3
85°	4.9	4.6	4.4	5.7	6.7	7.7	10.3	14.1	25.7	179.3	200.7
87.5°	0.0	0.0	0.0	0.3	0.5	0.5	1.0	2.1	6.2	67.1	46.0
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°	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5
2.5°	602.5	599.7	603.3	605.9	611.5	613.6	614.1	612.3	612.3	609.2	609.7
5°	609.4	607.6	613.6	617.9	626.1	629.2	631.3	630.0	630.8	628.7	629.2
7.5°	620.0	618.4	628.7	637.2	645.7	649.3	651.1	650.0	650.3	647.7	648.5
10°	634.6	635.1	647.5	658.5	669.8	673.4	674.2	671.1	668.5	663.9	664.2
12.5°	654.7	657.2	674.7	687.0	698.6	703.7	698.1	686.8	676.3	668.3	667.3
15°	676.5	681.1	706.3	722.0	734.6	732.0	715.3	689.9	669.1	657.2	654.9
17.5°	702.7	709.7	741.3	760.0	770.8	754.4	719.4	681.4	652.4	636.4	633.3
20°	727.4	738.4	778.3	802.7	803.9	766.9	717.6	664.2	627.7	608.2	604.1
22.5°	750.0	764.1	817.0	848.1	831.4	772.6	706.6	639.8	597.9	575.0	571.4
25°	774.7	794.7	862.3	891.3	858.9	770.3	683.4	609.4	561.9	538.5	536.0
27.5°	791.6	816.8	907.7	935.5	881.5	757.2	653.6	576.3	529.0	506.9	503.3
30°	811.1	843.3	957.8	983.5	895.4	737.9	621.8	545.5	498.5	474.6	472.0
32.5°	846.6	886.9	1020.0	1034.4	899.8	714.0	591.2	515.7	466.6	442.7	439.1
35°	903.6	950.9	1107.4	1091.2	896.4	687.8	562.2	480.7	434.0	411.6	408.0
37.5°	975.6	1034.4	1204.8	1142.3	887.2	659.0	527.7	451.4	404.7	382.1	380.0
40°	1042.6	1115.1	1314.0	1186.5	868.4	623.6	494.6	420.9	373.1	349.2	344.5
42.5°	1126.7	1223.0	1440.4	1224.8	837.6	581.2	457.3	383.1	333.5	311.9	306.3
45°	1254.4	1374.1	1587.3	1261.5	791.6	529.0	410.6	337.1	290.1	268.0	263.6
47.5°	1413.7	1562.9	1746.6	1283.4	721.7	474.0	357.7	288.5	241.5	216.6	214.5
50°	1637.4	1837.6	1917.5	1279.5	643.6	408.8	298.0	230.7	191.4	173.4	170.6
52.5°	1910.0	2182.4	2102.2	1233.3	560.6	334.5	232.3	181.1	151.8	139.0	136.7
55°	2252.0	2595.3	2296.7	1134.1	455.8	256.2	182.4	142.9	122.8	115.1	114.1
57.5°	2675.5	3130.0	2484.0	967.1	342.7	195.5	140.5	117.9	108.4	103.8	103.5
60°	3234.3	3697.5	2646.7	751.5	245.4	149.5	116.1	105.3	97.9	94.8	94.6
62.5°	3898.7	4212.9	2747.9	511.8	184.5	119.2	102.3	95.6	91.2	89.4	89.2
65°	4581.6	4538.7	2699.6	335.3	140.0	101.2	91.7	88.1	84.3	82.5	82.5
67.5°	4985.0	4469.9	2328.8	232.8	111.0	88.9	82.7	79.4	73.0	71.4	71.4
70°	4415.4	3622.0	1526.4	170.3	89.9	77.9	71.9	67.3	64.7	63.2	62.9
72.5°	2920.3	2356.9	811.7	118.2	75.0	66.3	60.9	59.1	56.0	54.5	54.2
75°	1453.5	1237.9	416.0	85.3	62.4	53.2	50.9	50.1	47.5	45.5	45.0
77.5°	605.9	551.1	194.0	61.9	47.5	42.9	40.9	40.9	38.0	35.7	34.7
80°	228.4	203.5	91.7	42.4	35.2	31.9	30.6	29.5	27.2	24.4	22.9
82.5°	305.5	199.6	45.0	26.5	23.1	20.6	18.8	18.0	16.7	15.4	14.4
85°	197.8	141.8	20.3	13.6	11.6	8.7	7.7	7.2	6.4	5.7	5.1
87.5°	40.3	47.5	6.2	2.6	1.5	0.8	0.8	0.3	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)