

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: P628953

Luminaire Tested: GWS-SA1A-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1859.5 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

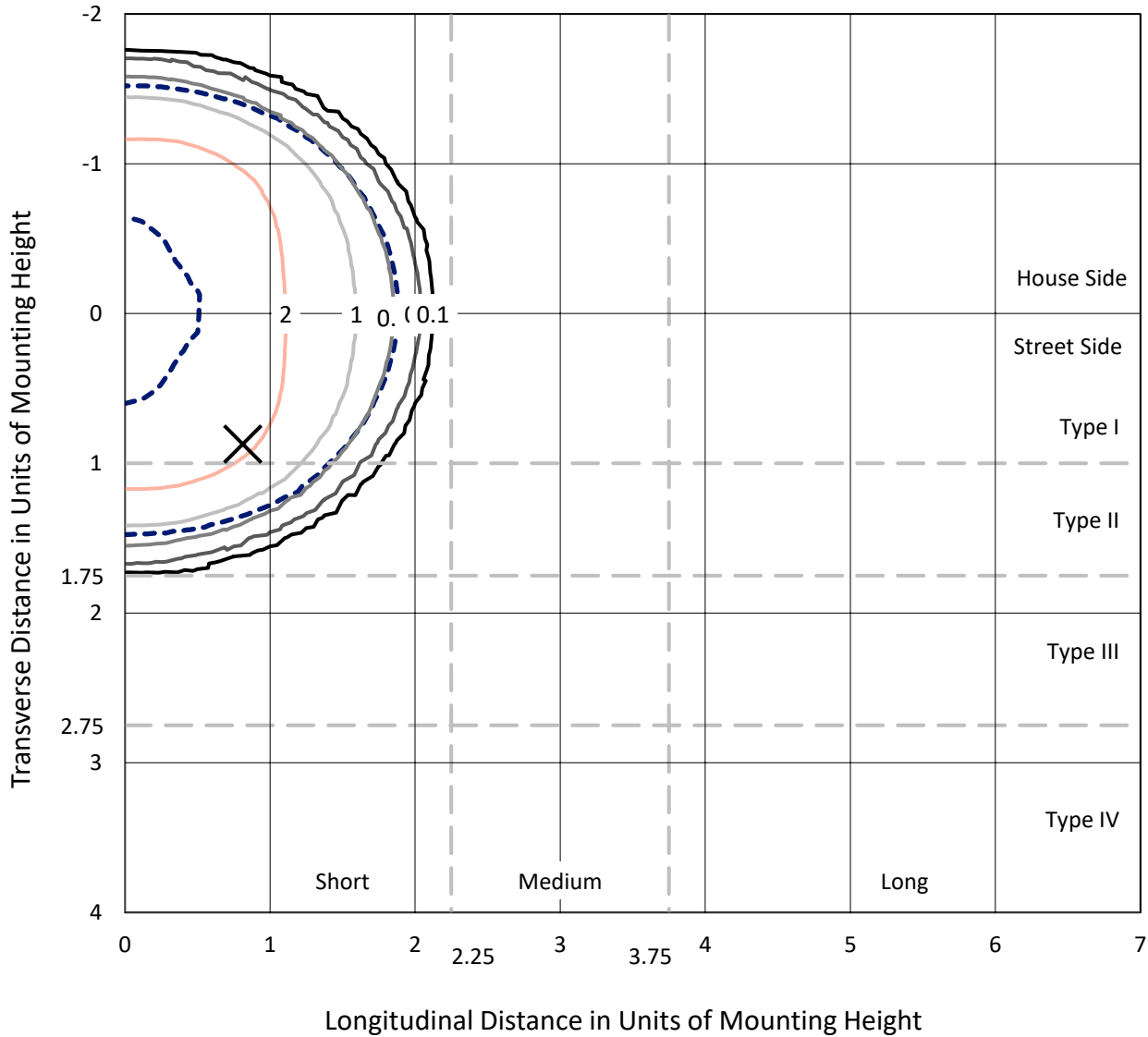
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628953
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

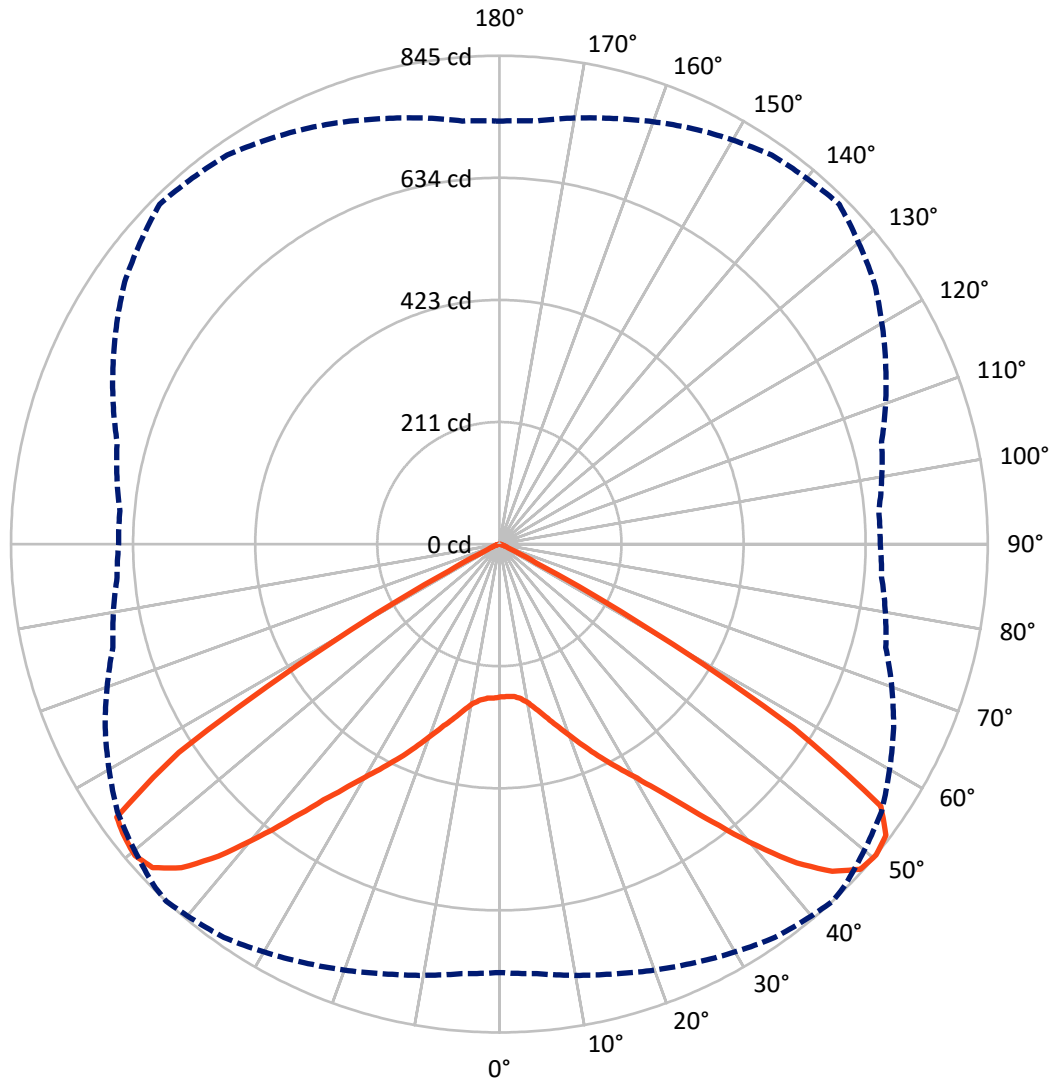
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

REPORT NUMBER: P628953
CATALOG NUMBER: GWS-SA1A-760-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P628953
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W-GRSBK

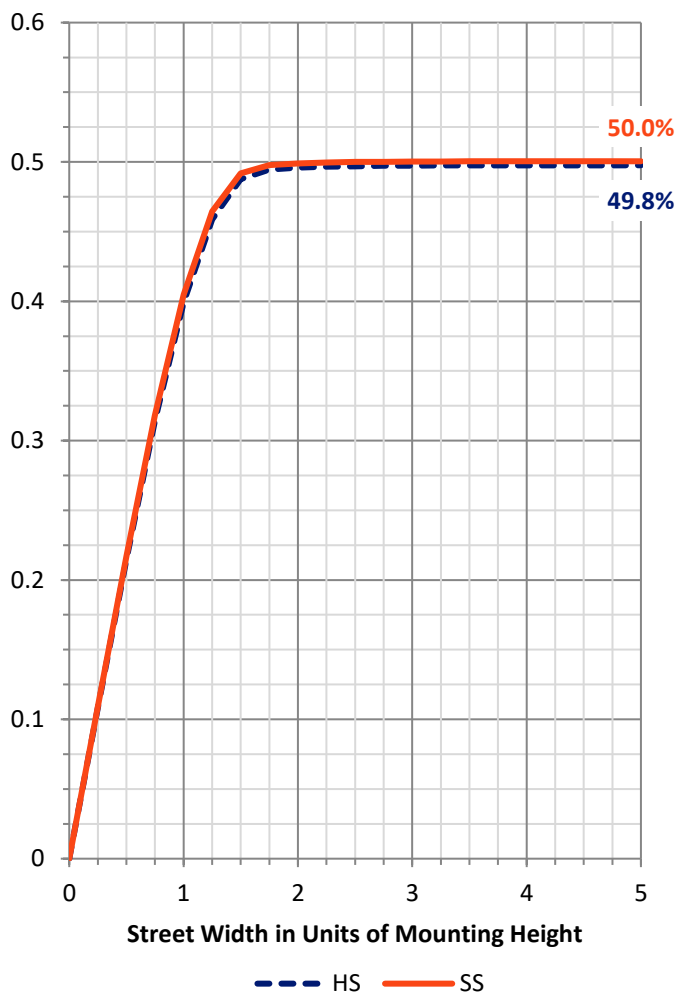
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	929.7	0.0	929.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	929.8	0.0	929.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	1859.5	0.0	1859.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.4
10°-20°	89.6	4.8
20°-30°	181.3	9.8
30°-40°	336.4	18.1
40°-50°	558.5	30.0
50°-60°	570.0	30.7
60°-70°	93.5	5.0
70°-80°	4.1	0.2
80°-90°	0.1	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°	1859.5	100.0
0°-180°	1859.5	100.0

Coefficient of Utilization

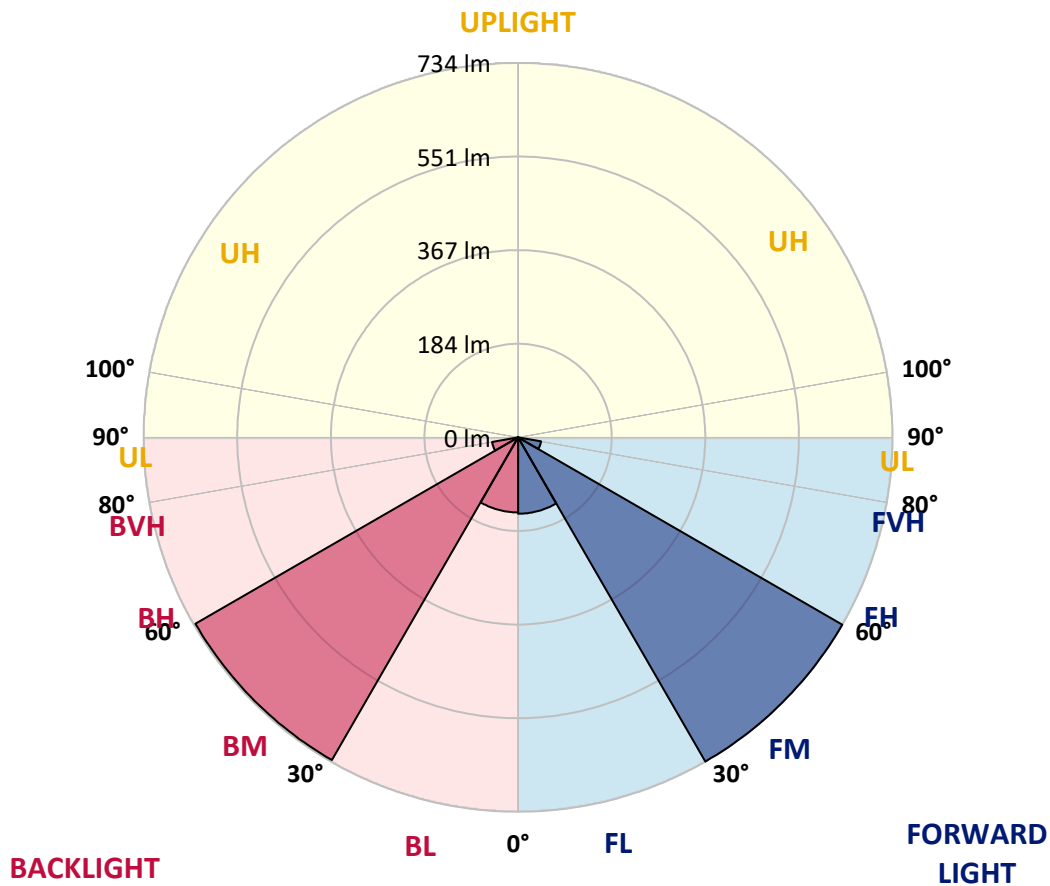


REPORT NUMBER: P628953
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.8	8.1			
FM (30°-60°)	734.2	39.5			
FH (60°-80°)	45.7	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	147.2	7.9	B1/500		
BM (30°-60°)	730.6	39.3	B1/1000		
BH (60°-80°)	51.8	2.8	B0/110		G0/660
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





REPORT NUMBER: P628953
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5
2.5°	259.5	260.2	261.0	261.8	262.8	263.9	264.5	266.3	265.9	267.6	267.6
5°	256.7	257.3	258.3	260.2	262.4	264.7	266.3	270.0	272.1	275.4	276.6
7.5°	258.1	258.9	260.2	263.0	266.5	270.0	271.9	277.9	282.0	288.1	291.6
10°	262.8	263.7	265.7	270.7	275.2	280.1	282.4	290.0	296.6	305.0	309.9
12.5°	268.2	269.2	273.3	280.7	288.5	295.1	298.2	306.6	313.4	322.9	330.7
15°	273.7	275.4	281.8	292.7	303.8	312.6	315.9	324.9	331.7	341.8	350.7
17.5°	286.7	288.5	295.7	307.5	322.7	333.0	335.9	345.3	350.5	357.2	366.5
20°	302.9	306.4	315.3	329.5	346.1	356.0	358.1	367.3	366.9	369.8	377.8
22.5°	323.1	325.6	335.2	352.1	370.8	381.7	386.4	390.4	385.2	382.7	387.9
25°	344.1	347.0	357.4	376.0	396.9	409.5	413.4	416.5	408.2	399.0	399.6
27.5°	371.2	373.3	383.6	403.3	424.3	438.5	442.0	447.3	436.4	421.6	417.5
30°	403.5	405.6	416.5	437.2	458.0	470.1	475.5	482.1	470.1	451.6	446.9
32.5°	441.4	443.4	457.4	478.8	495.9	509.0	514.2	521.2	511.7	490.9	485.6
35°	486.6	487.8	504.3	527.5	545.6	558.4	561.9	570.1	559.6	538.8	536.0
37.5°	539.0	540.5	558.4	585.3	603.8	618.0	623.6	625.8	613.1	589.8	587.6
40°	596.6	601.4	618.8	647.8	668.6	686.5	691.4	683.8	665.9	634.3	630.2
42.5°	656.7	660.8	680.3	711.8	735.9	754.2	754.4	737.9	707.5	663.7	657.5
45°	706.7	708.3	733.6	765.3	794.9	807.8	809.1	779.3	733.4	680.7	667.6
47.5°	741.0	743.7	765.7	796.1	828.8	840.6	838.1	800.9	745.7	691.9	670.1
50°	741.4	745.9	769.8	799.2	830.9	845.1	841.6	807.0	752.7	692.3	664.1
52.5°	675.8	683.2	722.1	764.7	813.2	837.5	838.3	815.0	750.1	685.7	658.7
55°	509.8	517.9	566.8	639.4	733.2	800.9	812.6	805.6	747.0	688.6	668.2
57.5°	269.8	263.7	290.8	362.8	480.6	600.3	634.7	690.6	712.6	692.1	685.7
60°	58.8	62.7	83.5	112.5	187.6	282.4	315.9	411.7	525.7	576.3	612.9
62.5°	25.3	24.9	25.9	29.4	43.0	71.6	87.4	142.7	225.2	309.3	366.3
65°	20.8	21.0	21.8	21.8	20.4	20.6	21.6	32.7	52.7	73.8	99.1
67.5°	15.6	15.8	17.3	17.7	16.7	14.8	14.6	12.3	13.0	16.2	16.9
70°	9.9	9.9	10.7	11.1	11.1	10.3	10.1	8.8	8.6	9.9	11.1
72.5°	5.3	5.3	5.8	6.0	5.8	5.6	5.6	5.3	5.1	6.0	7.6
75°	2.3	2.3	2.5	2.5	2.3	2.3	2.3	2.3	2.3	2.7	4.1
77.5°	0.4	0.6	0.8	0.6	0.4	0.4	0.4	0.6	0.6	0.8	1.2
80°	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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: P628953
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5
2.5°	269.0	266.7	267.6	268.0	267.4	267.0	264.7	264.1	263.0	261.4	261.0
5°	278.1	276.2	276.0	274.8	271.9	268.4	264.1	262.2	260.2	258.1	257.7
7.5°	293.3	291.0	289.6	285.5	278.9	273.3	266.1	262.2	259.5	256.9	256.3
10°	312.8	310.1	306.0	298.4	289.6	281.6	273.1	268.0	263.9	260.2	260.0
12.5°	333.6	330.7	323.3	313.6	302.9	295.5	284.8	277.6	271.5	265.9	265.3
15°	355.4	351.9	341.8	330.3	320.4	312.8	301.1	289.6	280.1	272.1	271.3
17.5°	372.0	367.7	355.8	347.2	339.1	331.3	318.2	302.9	290.4	280.7	278.5
20°	382.5	378.4	367.1	362.4	358.7	353.1	337.5	321.7	307.7	295.7	293.7
22.5°	392.6	387.7	377.8	377.8	380.7	378.4	361.6	343.5	327.0	313.2	310.1
25°	403.9	400.0	393.0	398.8	406.0	405.8	388.5	365.9	347.0	331.5	328.4
27.5°	420.4	416.5	414.0	424.9	434.0	433.3	414.4	389.9	370.0	354.8	351.9
30°	449.4	445.7	443.0	456.2	467.7	463.4	442.6	418.9	398.8	381.5	379.5
32.5°	488.0	484.1	480.6	493.8	504.1	498.5	478.8	456.6	433.3	416.5	412.4
35°	538.8	530.6	527.1	542.7	547.1	540.9	522.0	502.4	477.8	458.4	455.8
37.5°	591.3	581.6	579.2	592.7	599.7	597.5	575.2	554.9	528.1	506.8	503.7
40°	636.1	627.3	623.0	644.1	660.0	661.4	641.5	616.6	585.1	562.9	557.4
42.5°	662.4	654.8	653.8	686.7	712.6	731.1	707.3	681.6	648.5	623.4	618.8
45°	668.4	663.5	672.1	715.3	755.6	789.3	769.0	741.8	706.0	679.5	675.2
47.5°	667.8	666.1	681.6	730.1	781.1	822.7	812.6	781.9	747.4	719.6	715.5
50°	658.9	659.2	684.9	737.5	791.4	831.7	821.6	793.2	762.4	735.0	731.8
52.5°	655.5	654.2	678.7	735.3	801.9	827.6	805.0	773.1	738.7	705.0	700.1
55°	667.8	664.7	679.5	733.4	803.1	825.3	765.7	696.6	626.2	586.3	583.1
57.5°	686.3	683.0	690.0	719.8	738.7	686.3	563.5	452.1	379.7	349.0	335.6
60°	612.9	610.6	605.3	569.3	488.2	368.3	250.9	160.0	115.0	93.0	93.0
62.5°	380.3	377.2	348.2	258.7	188.0	108.8	59.8	37.4	28.4	26.5	26.3
65°	106.7	106.1	87.8	62.1	39.5	24.5	21.6	22.0	21.6	21.0	20.8
67.5°	16.0	17.7	17.7	14.4	13.8	15.4	18.1	19.3	18.3	17.3	16.9
70°	10.3	11.1	10.7	9.3	9.9	11.5	13.0	13.2	12.5	11.5	11.3
72.5°	7.2	8.0	6.6	6.0	6.2	6.8	7.4	7.4	7.2	6.8	6.4
75°	4.3	4.3	3.1	2.9	2.9	3.1	3.1	3.5	3.5	3.3	3.1
77.5°	1.4	1.6	1.0	0.8	0.8	0.8	1.0	1.2	1.2	1.0	0.8
80°	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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)