

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: P629064

Luminaire Tested: GWS-SA1A-830-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1991.4 lumens
Efficiency: N/A
Efficacy: 101.1 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

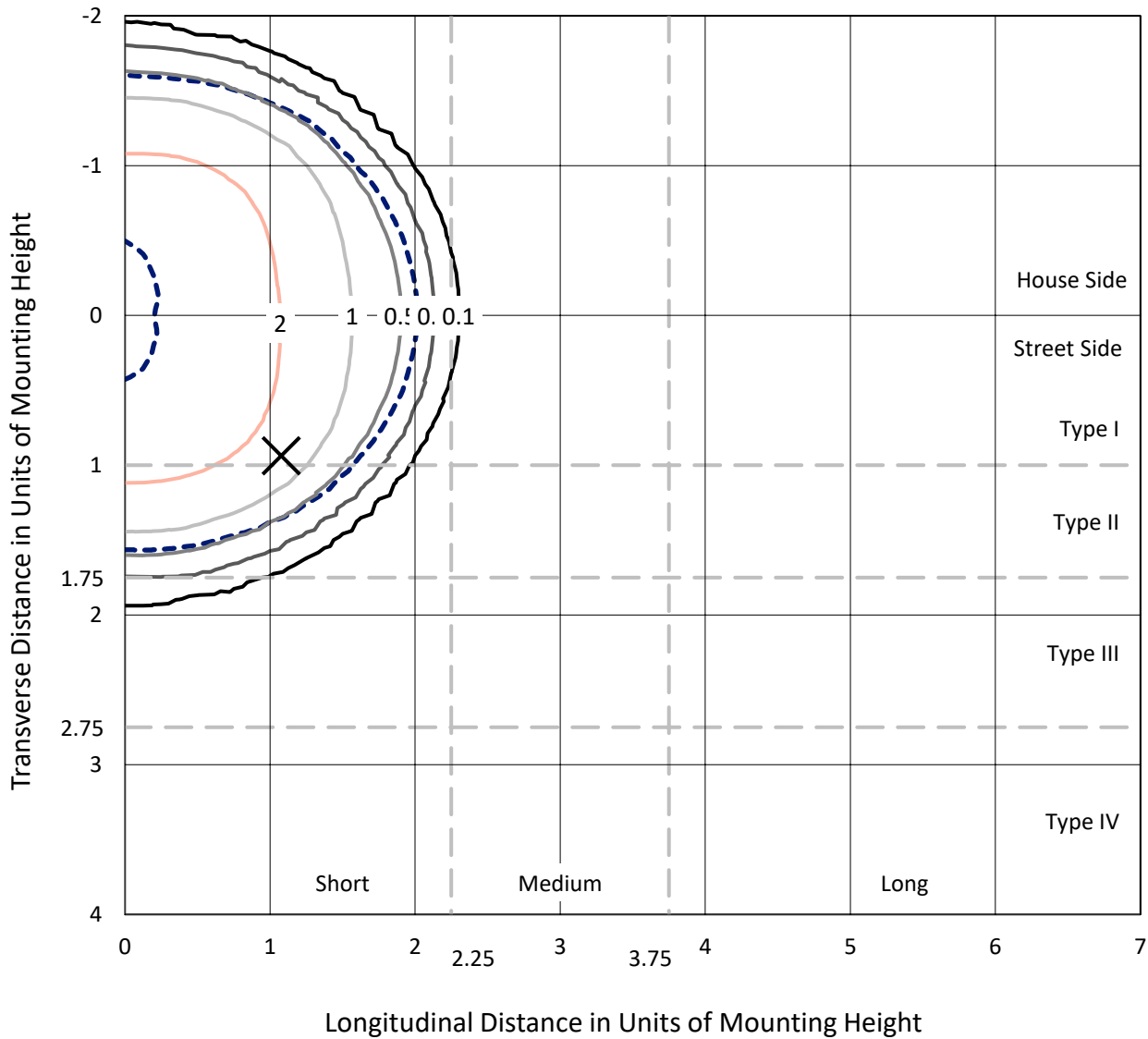


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Iso-Footcandle Lines of Horizontal Illumination

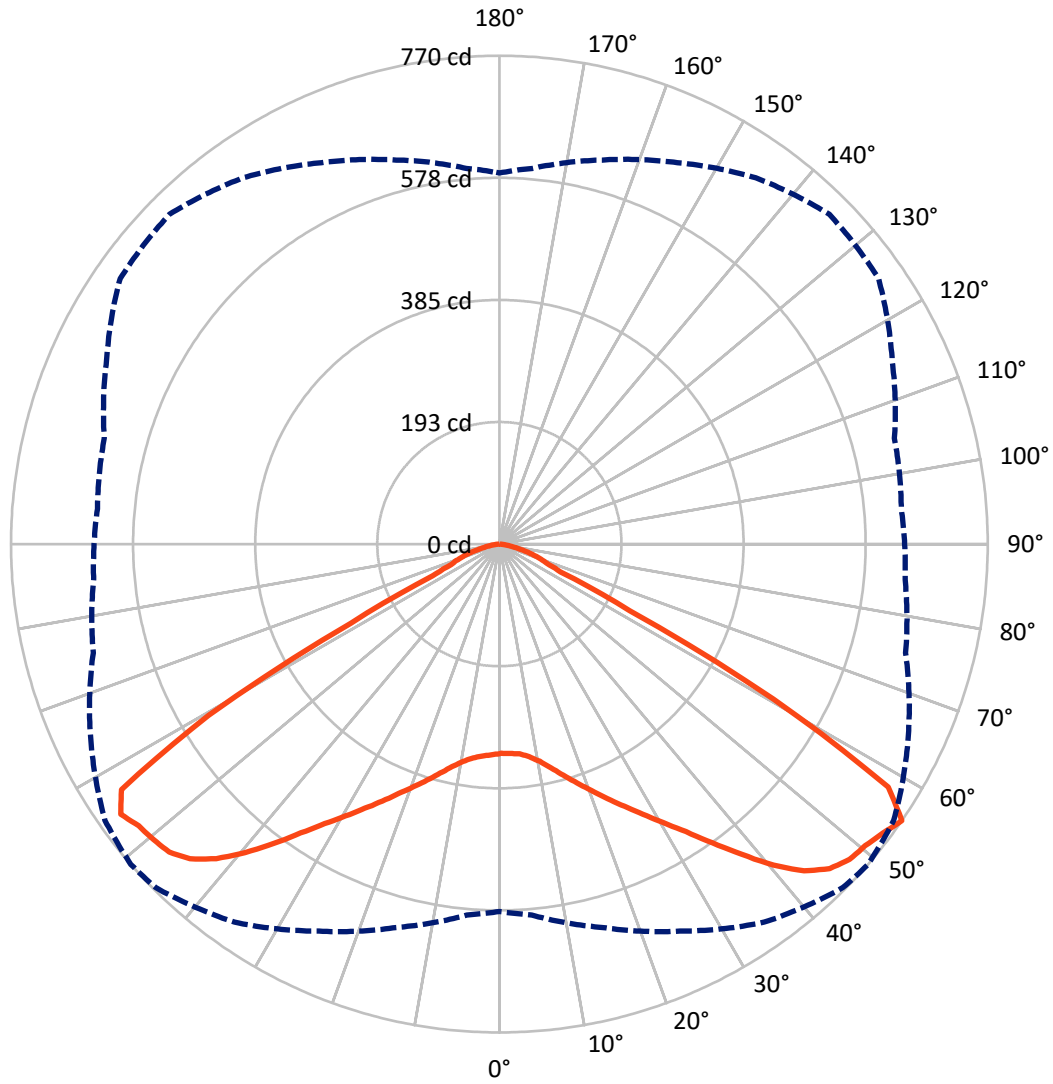
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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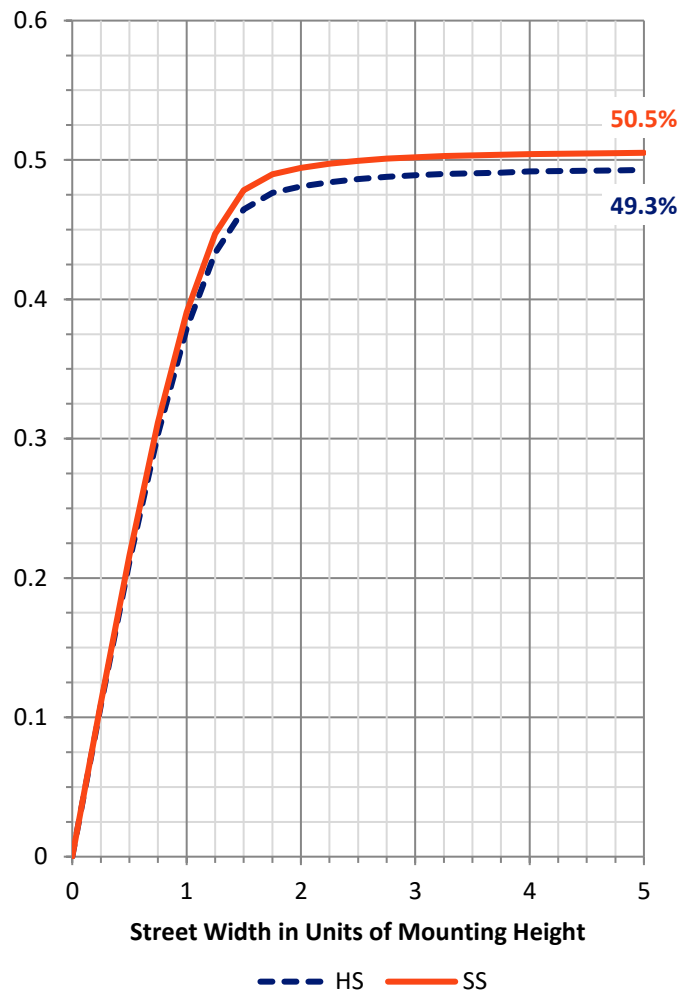
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	985.9	0.0	985.9
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1005.5	0.0	1005.5
	% Fixture	50.5	0.0	50.5
Total	Lumens	1991.4	0.0	1991.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	1.6
10°-20°	106.1	5.3
20°-30°	202.2	10.2
30°-40°	342.7	17.2
40°-50°	515.8	25.9
50°-60°	564.6	28.4
60°-70°	178.5	9.0
70°-80°	42.8	2.2
80°-90°	6.4	0.3
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°	1991.4	100.0
0°-180°	1991.4	100.0

Coefficient of Utilization



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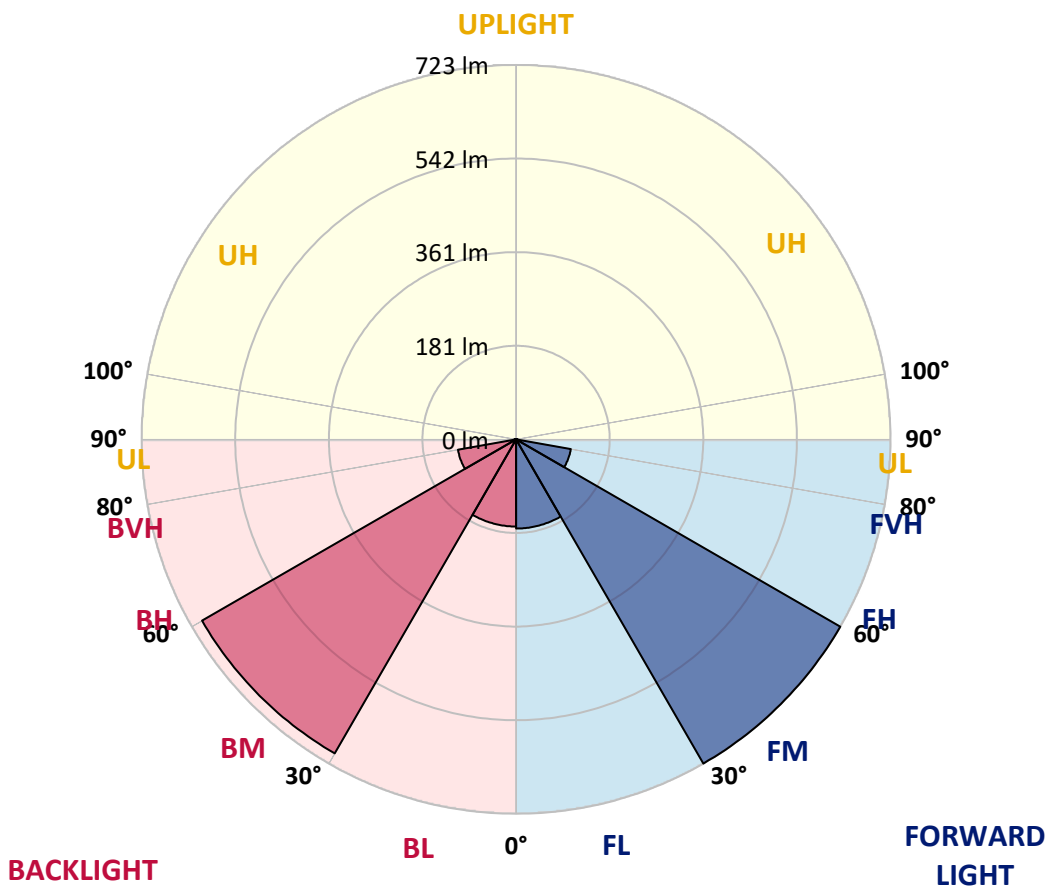
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.2	8.6			
FM (30°-60°)	722.9	36.3			
FH (60°-80°)	107.4	5.4			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	168.3	8.5	B1/500		
BM (30°-60°)	700.2	35.2	B1/1000		
BH (60°-80°)	114.0	5.7	B1/500		G0/660
BVH (80°-90°)	3.5	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9
2.5°	325.0	325.4	326.0	327.1	328.3	329.9	330.5	331.3	331.2	332.2	332.2
5°	323.4	323.9	324.9	326.5	328.4	331.5	332.3	334.3	336.2	338.6	339.4
7.5°	325.4	326.0	327.1	329.7	332.6	336.7	338.3	341.5	345.3	349.6	351.4
10°	329.1	329.9	331.8	336.0	340.7	346.9	348.3	352.4	358.4	364.4	367.9
12.5°	333.3	334.6	338.1	344.8	351.8	359.8	362.1	367.1	373.6	381.4	386.2
15°	338.1	339.3	344.8	354.2	365.0	375.7	378.3	383.2	390.5	398.1	404.9
17.5°	348.3	350.3	356.8	367.6	380.3	392.9	395.8	401.3	407.1	413.1	419.6
20°	362.3	363.9	372.2	385.6	400.5	412.0	414.9	419.8	422.5	425.6	431.1
22.5°	376.2	378.5	387.9	403.7	421.2	433.7	436.0	440.5	438.6	437.6	441.1
25°	393.5	396.6	405.8	423.2	441.0	456.4	458.2	462.0	458.8	453.8	453.6
27.5°	415.1	417.8	427.4	445.2	462.8	478.9	482.3	487.5	480.3	474.2	469.8
30°	440.7	442.4	453.0	471.9	490.1	505.3	509.6	514.8	509.5	499.3	494.9
32.5°	470.5	472.9	485.0	505.0	521.1	536.4	540.7	547.2	541.4	529.9	524.4
35°	506.2	508.7	521.5	543.2	559.7	575.4	578.5	583.8	576.5	563.3	558.9
37.5°	545.1	548.2	564.4	585.0	602.3	620.6	620.7	622.4	612.0	595.5	590.6
40°	588.8	592.9	609.1	630.5	651.4	666.3	666.1	661.6	644.1	618.5	611.0
42.5°	632.1	635.3	651.7	673.7	694.6	708.7	704.5	693.5	668.2	633.4	623.5
45°	663.3	665.8	682.9	707.7	728.9	737.7	730.1	716.8	682.6	642.8	628.2
47.5°	678.1	681.3	698.6	723.3	747.2	752.2	743.2	730.7	691.0	651.5	631.9
50°	670.1	674.4	693.9	716.8	743.8	754.2	747.7	735.2	699.9	660.1	638.6
52.5°	649.6	653.6	678.4	706.1	736.7	757.3	757.1	746.9	710.1	662.5	638.9
55°	579.3	587.2	625.8	673.5	728.0	766.3	770.2	759.4	711.8	663.2	642.3
57.5°	377.0	390.9	427.5	489.7	598.9	697.0	723.3	725.8	700.1	660.4	642.9
60°	157.4	168.6	197.6	238.9	329.1	445.8	496.7	547.7	609.2	631.6	636.9
62.5°	97.8	98.8	101.7	111.1	141.2	198.2	230.9	278.7	370.2	448.1	484.1
65°	88.3	88.7	89.4	88.7	90.2	97.2	105.9	122.6	159.8	198.5	244.5
67.5°	77.7	78.4	78.9	78.4	78.9	79.2	80.2	81.6	88.4	93.9	98.1
70°	62.8	63.8	64.6	64.3	66.2	66.2	67.2	68.3	71.7	75.8	78.7
72.5°	47.9	47.1	48.1	48.4	50.2	51.2	52.6	53.9	57.8	60.2	64.0
75°	31.1	30.3	31.7	32.6	35.0	36.3	37.6	38.9	41.6	43.2	46.8
77.5°	16.8	16.7	18.1	19.3	21.9	23.5	24.5	25.4	27.7	28.2	30.4
80°	9.7	9.7	10.7	11.5	13.1	14.9	15.9	16.7	18.3	18.8	19.8
82.5°	5.3	5.3	5.8	6.3	7.6	8.6	9.4	10.0	11.5	12.0	12.5
85°	2.6	2.4	2.8	3.1	3.6	4.0	4.5	4.9	6.0	6.3	7.0
87.5°	0.3	0.3	0.3	0.5	0.6	1.0	1.1	1.1	1.8	2.1	2.4
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°	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9
2.5°	333.1	331.0	332.3	332.8	332.8	332.3	330.2	329.6	328.6	327.1	327.1
5°	340.6	339.0	339.3	338.5	336.5	334.1	330.2	328.3	326.6	324.9	324.7
7.5°	353.4	351.3	350.9	347.9	342.7	337.5	331.7	328.1	325.7	323.4	323.2
10°	370.1	368.1	365.7	359.5	351.9	344.3	336.4	331.5	327.9	324.7	324.5
12.5°	388.7	386.4	381.9	372.8	363.2	355.8	346.7	339.3	333.9	329.6	328.8
15°	408.9	405.7	397.9	387.2	377.8	369.9	360.2	349.5	341.4	334.4	333.6
17.5°	424.5	420.3	411.8	401.8	394.0	386.1	373.5	360.0	348.3	339.6	338.3
20°	435.2	431.8	422.2	414.7	410.2	403.2	388.5	373.3	360.2	349.2	348.5
22.5°	445.0	441.0	431.6	427.2	427.2	422.5	408.4	390.5	375.1	362.3	360.7
25°	456.2	451.8	444.7	444.2	446.5	444.4	427.4	408.1	390.1	375.7	373.1
27.5°	471.8	466.9	462.7	465.6	468.8	466.6	447.6	425.3	406.3	391.8	389.5
30°	496.5	490.5	486.7	490.2	496.5	489.9	469.3	445.7	426.6	410.5	409.4
32.5°	525.4	518.6	514.5	520.2	525.8	515.5	495.1	472.4	452.3	435.5	433.5
35°	560.0	551.4	545.4	553.1	558.9	548.7	528.4	506.9	484.5	467.1	464.5
37.5°	590.8	580.4	576.4	587.1	594.8	588.2	566.2	545.9	521.5	502.4	501.2
40°	613.1	602.9	600.0	617.7	631.3	629.7	609.9	586.7	563.7	541.7	539.6
42.5°	622.9	615.7	616.4	640.2	661.2	671.6	653.9	629.2	607.0	584.1	582.7
45°	625.0	620.6	625.8	655.6	683.3	704.5	689.4	668.7	643.6	621.6	620.9
47.5°	627.2	624.8	632.7	664.3	697.2	721.8	713.4	692.0	666.6	645.0	643.4
50°	632.6	631.6	640.5	670.5	703.8	726.5	716.9	695.7	669.7	648.4	644.6
52.5°	634.2	632.6	645.4	680.0	714.8	726.3	705.8	678.1	651.8	628.2	624.1
55°	639.2	636.3	645.0	683.6	730.1	735.7	705.1	663.7	627.1	594.8	585.3
57.5°	640.5	637.3	642.9	677.8	713.5	708.5	619.8	535.6	466.6	430.8	434.8
60°	633.5	634.5	624.8	620.9	572.3	505.3	379.4	303.3	238.2	210.7	216.7
62.5°	482.3	486.3	453.1	394.0	303.0	240.2	158.9	123.4	104.5	99.6	100.4
65°	243.4	248.9	214.4	177.3	131.8	106.6	92.1	89.2	88.3	87.1	87.1
67.5°	96.4	98.0	96.7	90.5	84.2	81.9	81.3	81.0	79.8	79.2	79.4
70°	77.4	78.7	76.8	72.9	70.3	70.1	69.8	69.2	68.3	68.3	68.8
72.5°	63.2	64.5	61.7	59.3	57.3	55.9	55.1	54.6	53.4	53.4	53.9
75°	46.5	47.3	45.0	44.7	42.6	41.1	39.8	39.2	37.7	37.1	37.6
77.5°	30.9	30.8	29.6	29.6	28.8	27.0	25.6	24.1	22.2	20.9	21.2
80°	20.1	20.1	19.6	19.6	18.8	17.3	15.5	14.1	13.0	12.0	12.0
82.5°	12.8	12.6	12.5	12.3	12.0	10.5	9.2	8.3	7.4	6.8	7.0
85°	7.1	7.1	6.8	6.8	6.2	5.3	4.7	4.0	3.6	3.4	3.4
87.5°	2.4	2.4	2.3	2.3	1.9	1.5	1.1	1.0	0.8	0.6	0.8
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)