

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: P628843

Luminaire Tested: GWS-SA1A-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628843
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1843.1 lumens
Efficiency: N/A
Efficacy: 93.6 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

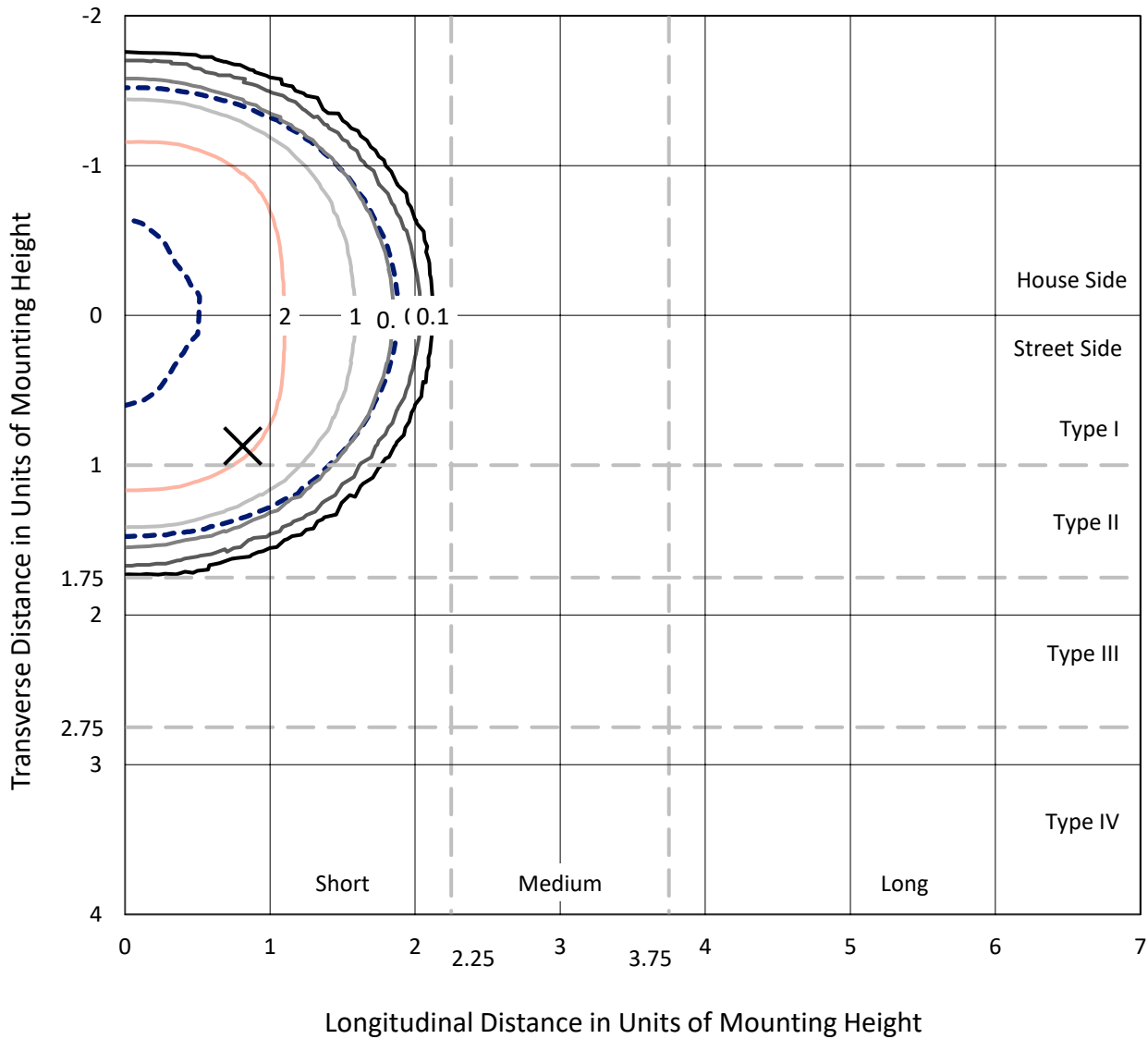
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

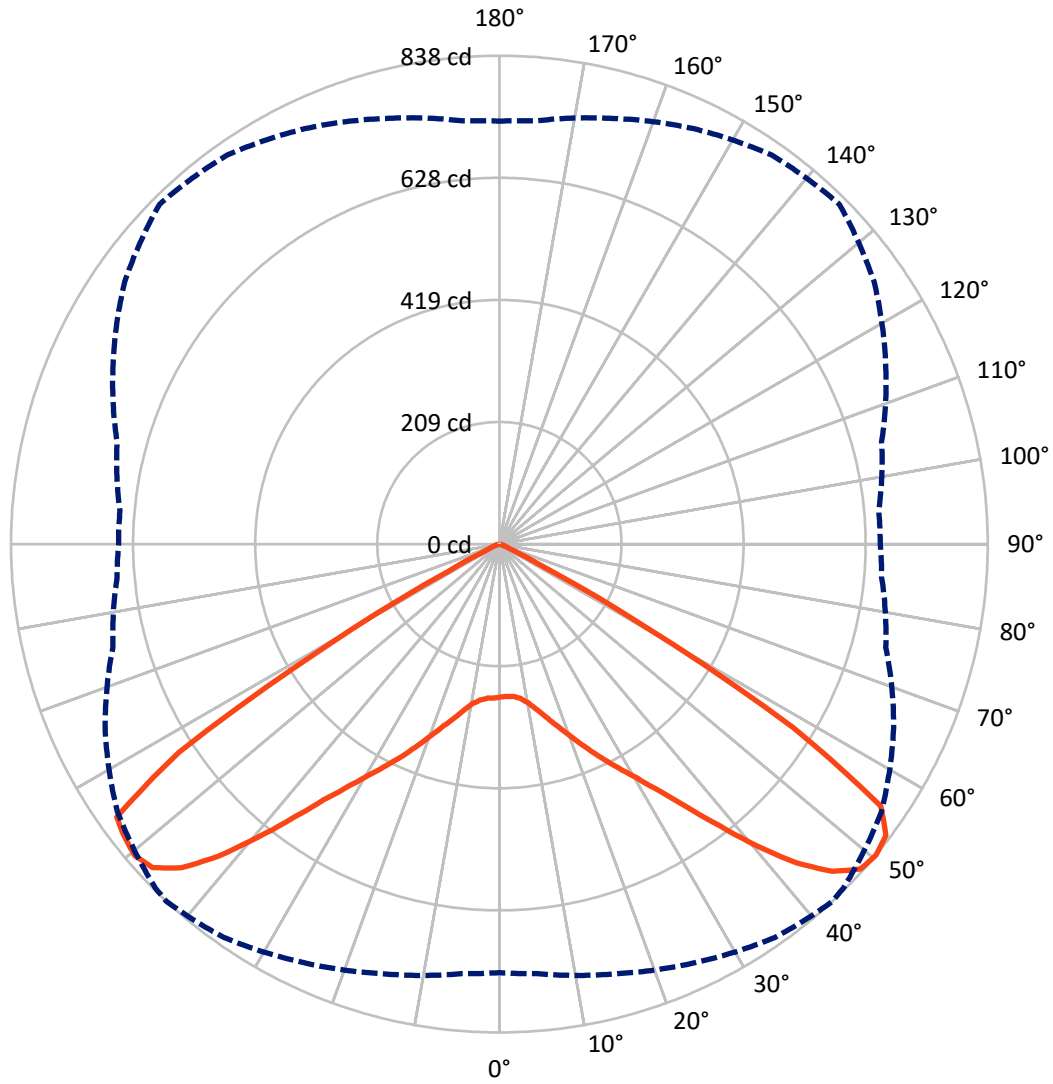
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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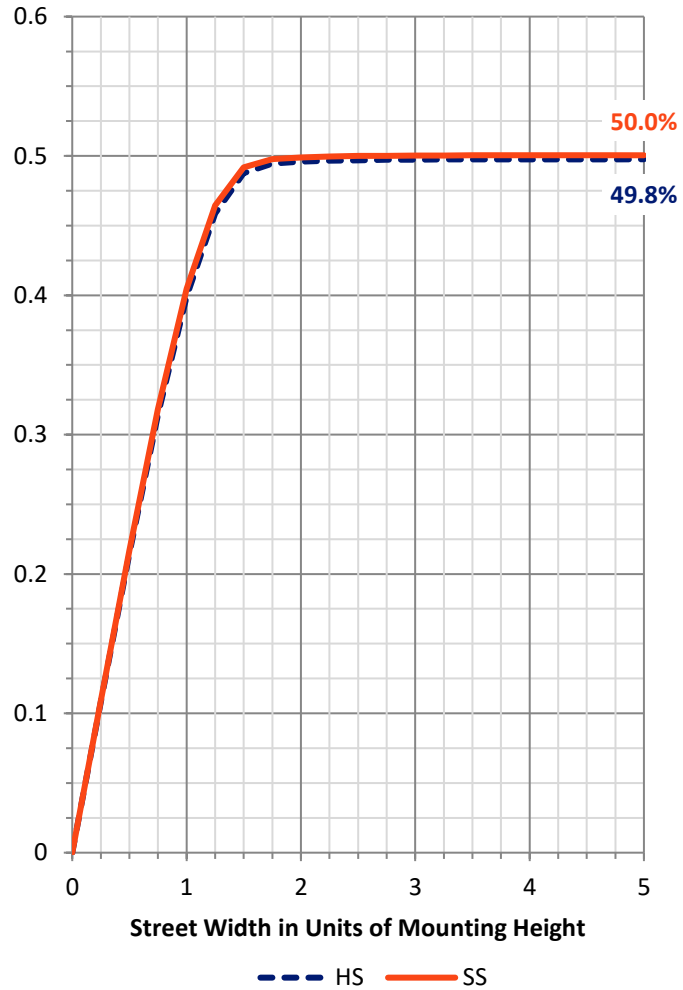
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	921.5	0.0	921.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	921.6	0.0	921.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1843.1	0.0	1843.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	1.4
10°-20°	88.8	4.8
20°-30°	179.7	9.8
30°-40°	333.5	18.1
40°-50°	553.6	30.0
50°-60°	564.9	30.7
60°-70°	92.6	5.0
70°-80°	4.0	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°	1843.1	100.0
0°-180°	1843.1	100.0

Coefficient of Utilization



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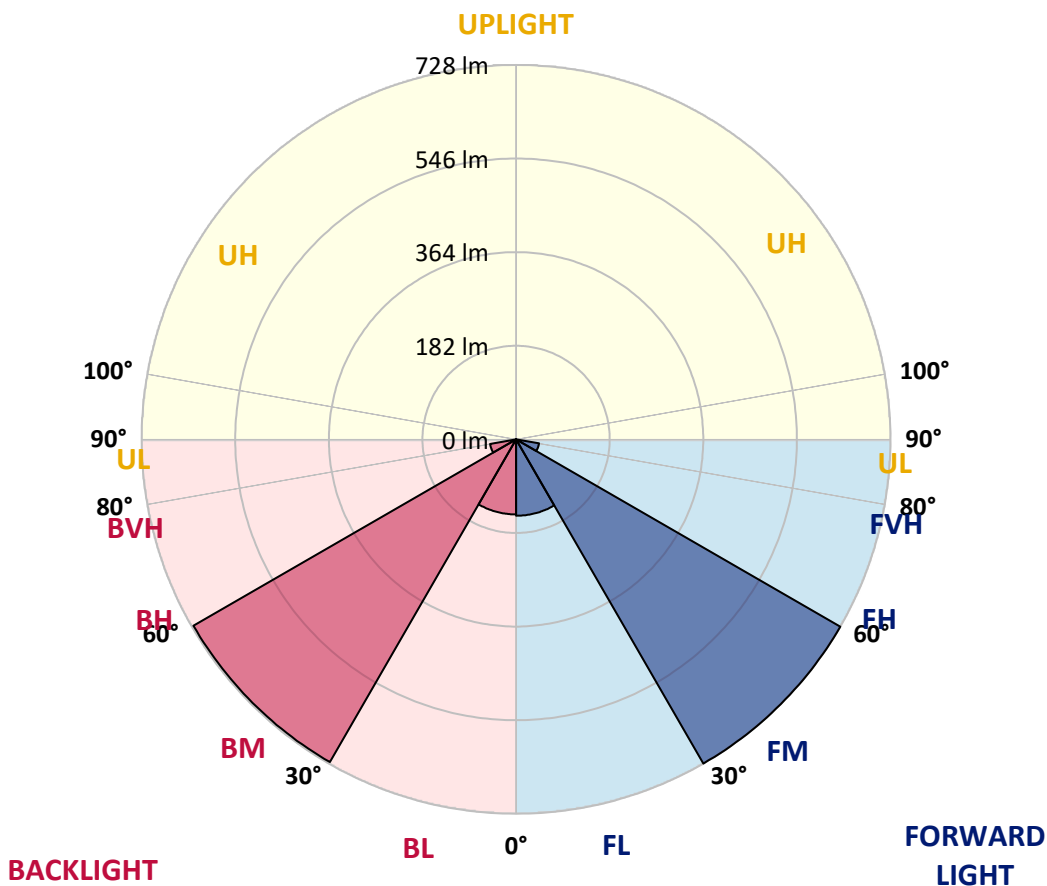
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.5	8.1			
FM (30°-60°)	727.7	39.5			
FH (60°-80°)	45.3	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	145.9	7.9	B1/500		
BM (30°-60°)	724.2	39.3	B1/1000		
BH (60°-80°)	51.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2
2.5°	257.3	257.9	258.7	259.5	260.5	261.5	262.2	264.0	263.6	265.2	265.2
5°	254.4	255.0	256.0	257.9	260.1	262.4	264.0	267.7	269.7	273.0	274.2
7.5°	255.8	256.6	257.9	260.7	264.2	267.7	269.5	275.4	279.5	285.6	289.1
10°	260.5	261.3	263.4	268.3	272.8	277.6	279.9	287.4	294.0	302.3	307.2
12.5°	265.8	266.8	270.9	278.3	286.0	292.5	295.6	303.9	310.7	320.0	327.8
15°	271.3	273.0	279.3	290.1	301.1	309.9	313.1	322.1	328.8	338.8	347.6
17.5°	284.2	286.0	293.1	304.8	319.8	330.0	332.9	342.3	347.4	354.1	363.3
20°	300.3	303.7	312.5	326.6	343.1	352.9	354.9	364.1	363.7	366.5	374.5
22.5°	320.2	322.7	332.3	349.0	367.5	378.3	383.0	386.9	381.8	379.4	384.5
25°	341.0	343.9	354.3	372.6	393.4	405.9	409.7	412.8	404.6	395.5	396.1
27.5°	368.0	370.0	380.2	399.8	420.5	434.6	438.1	443.4	432.6	417.9	413.8
30°	400.0	402.0	412.8	433.4	454.0	466.0	471.3	477.8	466.0	447.7	443.0
32.5°	437.5	439.5	453.4	474.6	491.5	504.5	509.6	516.6	507.2	486.6	481.3
35°	482.3	483.5	499.8	522.9	540.8	553.5	556.9	565.1	554.7	534.1	531.2
37.5°	534.3	535.7	553.5	580.2	598.5	612.6	618.1	620.3	607.7	584.6	582.4
40°	591.4	596.1	613.4	642.1	662.7	680.5	685.3	677.8	660.1	628.7	624.6
42.5°	650.9	655.0	674.3	705.5	729.4	747.5	747.7	731.4	701.2	657.8	651.7
45°	700.4	702.1	727.1	758.5	787.9	800.7	801.9	772.4	726.9	674.7	661.7
47.5°	734.5	737.1	758.9	789.1	821.5	833.1	830.7	793.8	739.2	685.8	664.1
50°	734.9	739.4	763.0	792.2	823.6	837.6	834.2	799.9	746.1	686.2	658.2
52.5°	669.9	677.2	715.7	757.9	806.0	830.1	830.9	807.9	743.4	679.6	652.9
55°	505.3	513.3	561.8	633.8	726.7	793.8	805.4	798.5	740.4	682.5	662.3
57.5°	267.5	261.3	288.2	359.6	476.4	595.0	629.1	684.5	706.3	686.0	679.6
60°	58.3	62.2	82.8	111.5	185.9	279.9	313.1	408.1	521.0	571.2	607.5
62.5°	25.1	24.7	25.7	29.2	42.6	70.9	86.6	141.5	223.2	306.6	363.1
65°	20.6	20.8	21.6	21.6	20.2	20.4	21.4	32.4	52.2	73.2	98.3
67.5°	15.5	15.7	17.1	17.5	16.5	14.7	14.5	12.2	12.8	16.1	16.7
70°	9.8	9.8	10.6	11.0	11.0	10.2	10.0	8.8	8.6	9.8	11.0
72.5°	5.3	5.3	5.7	5.9	5.7	5.5	5.5	5.3	5.1	5.9	7.5
75°	2.2	2.2	2.4	2.4	2.2	2.2	2.2	2.2	2.2	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2	262.2
2.5°	266.6	264.4	265.2	265.6	265.0	264.6	262.4	261.7	260.7	259.1	258.7
5°	275.6	273.8	273.6	272.3	269.5	266.0	261.7	259.9	257.9	255.8	255.4
7.5°	290.7	288.4	287.0	282.9	276.4	270.9	263.8	259.9	257.3	254.6	254.0
10°	310.1	307.4	303.3	295.8	287.0	279.1	270.7	265.6	261.5	257.9	257.7
12.5°	330.6	327.8	320.5	310.9	300.3	292.9	282.3	275.2	269.1	263.6	263.0
15°	352.3	348.8	338.8	327.4	317.6	310.1	298.4	287.0	277.6	269.7	268.9
17.5°	368.8	364.5	352.7	344.1	336.1	328.4	315.4	300.3	287.8	278.3	276.0
20°	379.2	375.1	363.9	359.2	355.5	350.0	334.5	318.8	305.0	293.1	291.1
22.5°	389.2	384.3	374.5	374.5	377.3	375.1	358.4	340.4	324.1	310.5	307.4
25°	400.4	396.5	389.6	395.3	402.4	402.2	385.1	362.7	343.9	328.6	325.5
27.5°	416.7	412.8	410.4	421.2	430.1	429.5	410.8	386.5	366.7	351.6	348.8
30°	445.4	441.7	439.1	452.1	463.6	459.3	438.7	415.2	395.3	378.1	376.1
32.5°	483.7	479.9	476.4	489.4	499.6	494.1	474.6	452.5	429.5	412.8	408.7
35°	534.1	525.9	522.5	538.0	542.2	536.1	517.4	498.0	473.5	454.4	451.7
37.5°	586.1	576.5	574.0	587.5	594.4	592.2	570.2	550.0	523.5	502.3	499.2
40°	630.5	621.7	617.5	638.5	654.2	655.6	635.8	611.1	580.0	557.9	552.4
42.5°	656.6	649.1	648.0	680.7	706.3	724.7	701.0	675.6	642.7	617.9	613.4
45°	662.5	657.6	666.2	709.0	748.9	782.4	762.2	735.3	699.8	673.5	669.2
47.5°	661.9	660.3	675.6	723.7	774.2	815.4	805.4	775.0	740.8	713.3	709.2
50°	653.1	653.3	678.8	731.0	784.4	824.4	814.4	786.3	755.7	728.6	725.3
52.5°	649.7	648.4	672.7	728.8	794.8	820.3	797.9	766.3	732.2	698.8	693.9
55°	661.9	658.8	673.5	726.9	796.0	818.1	758.9	690.4	620.7	581.2	577.9
57.5°	680.2	677.0	683.9	713.5	732.2	680.2	558.6	448.1	376.3	345.9	332.7
60°	607.5	605.2	599.9	564.3	483.9	365.1	248.7	158.6	114.0	92.1	92.1
62.5°	376.9	373.9	345.1	256.4	186.3	107.8	59.3	37.1	28.1	26.3	26.1
65°	105.8	105.2	87.0	61.6	39.1	24.3	21.4	21.8	21.4	20.8	20.6
67.5°	15.9	17.5	17.5	14.3	13.7	15.3	17.9	19.2	18.1	17.1	16.7
70°	10.2	11.0	10.6	9.2	9.8	11.4	12.8	13.0	12.4	11.4	11.2
72.5°	7.1	8.0	6.5	5.9	6.1	6.7	7.3	7.3	7.1	6.7	6.3
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)