

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: P628658

Luminaire Tested: GWS-SA1A-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1836.5 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

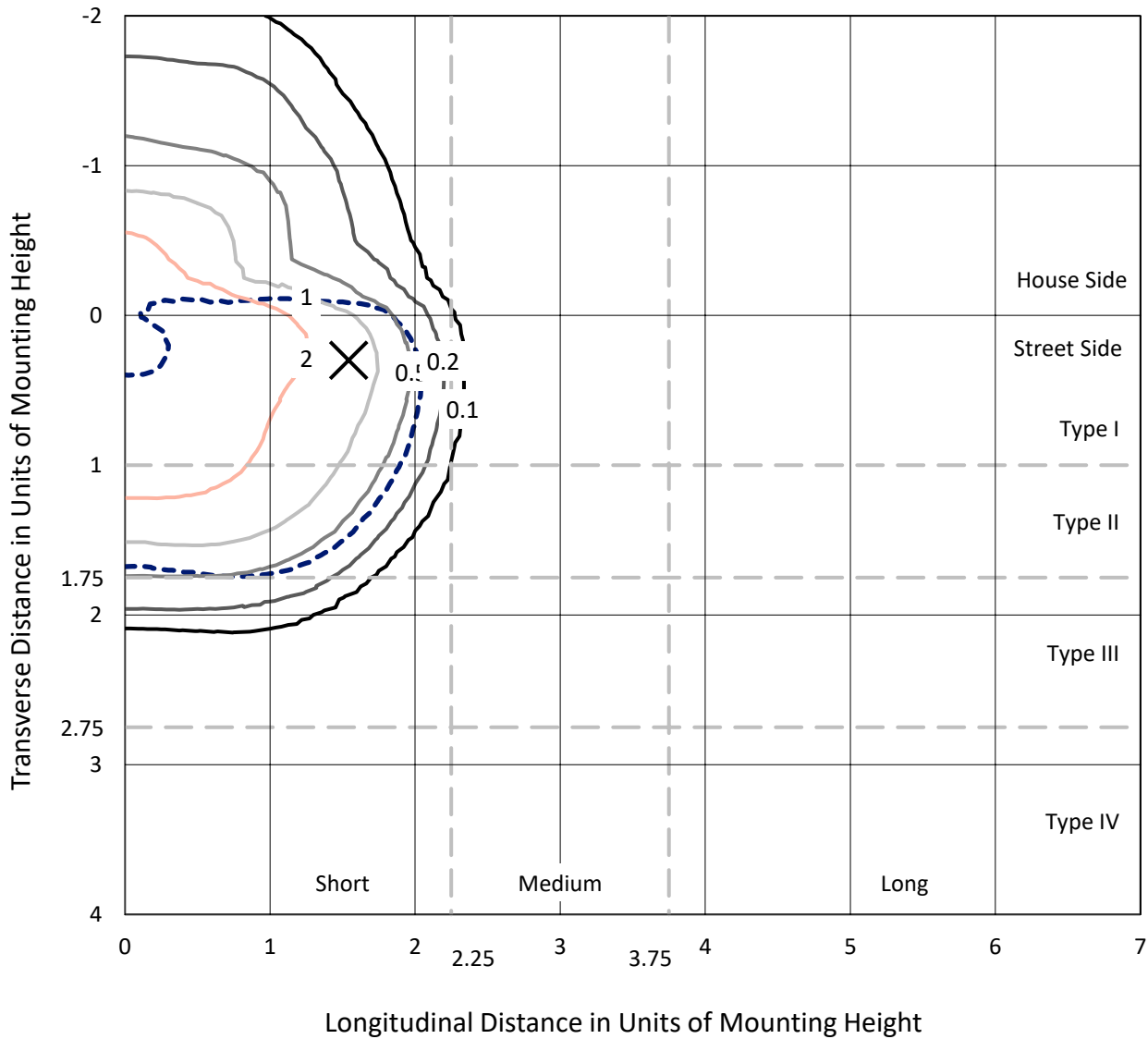
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

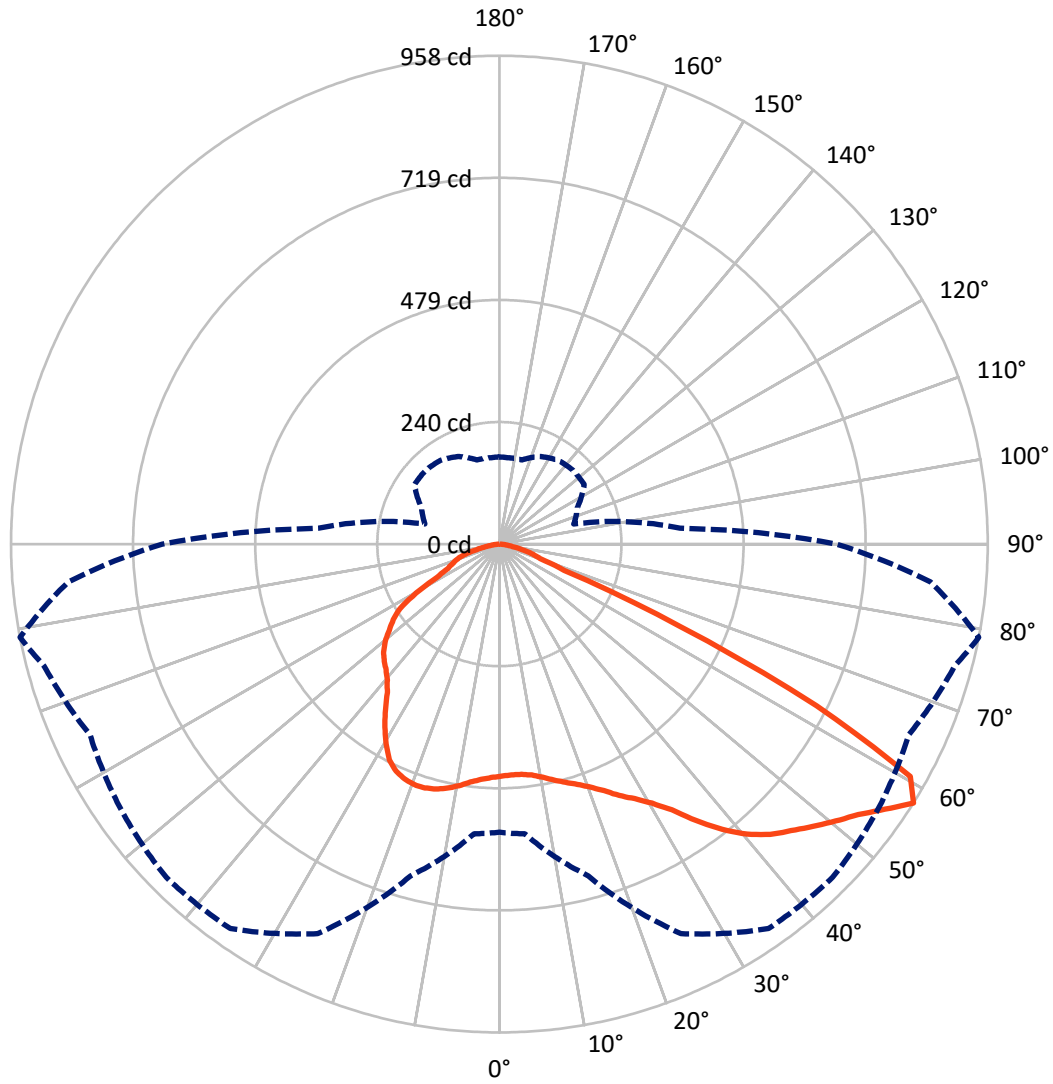
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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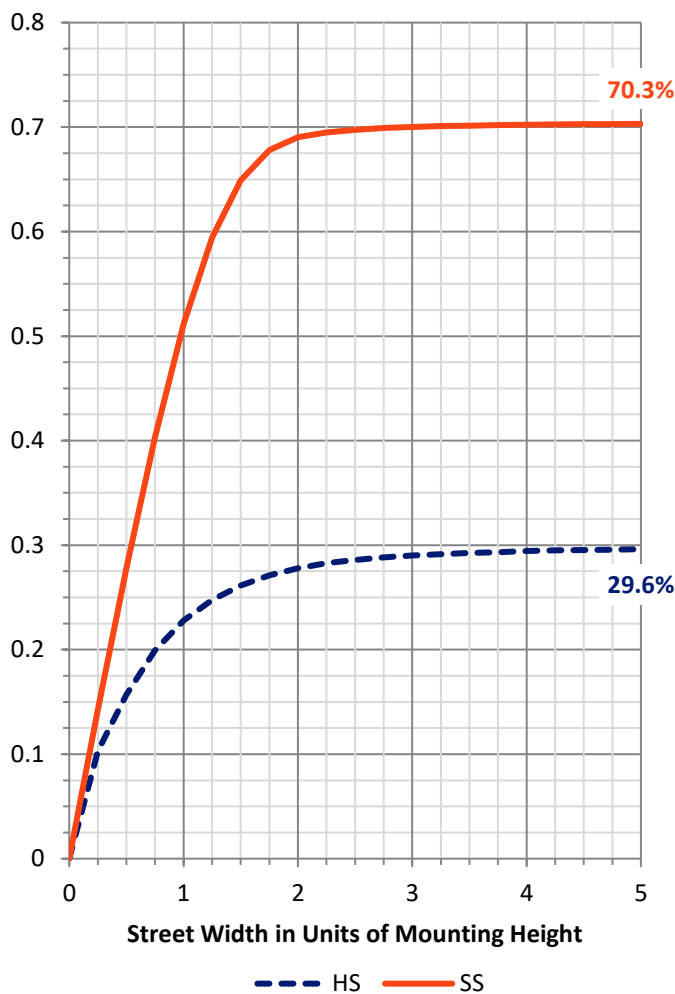
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	545.9	0.0	545.9
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	1290.6	0.0	1290.6
	% Fixture	70.3	0.0	70.3
Total	Lumens	1836.5	0.0	1836.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	2.3
10°-20°	117.1	6.4
20°-30°	198.5	10.8
30°-40°	303.9	16.5
40°-50°	405.2	22.1
50°-60°	468.0	25.5
60°-70°	243.2	13.2
70°-80°	51.7	2.8
80°-90°	6.7	0.4
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°	1836.5	100.0
0°-180°	1836.5	100.0

Coefficient of Utilization



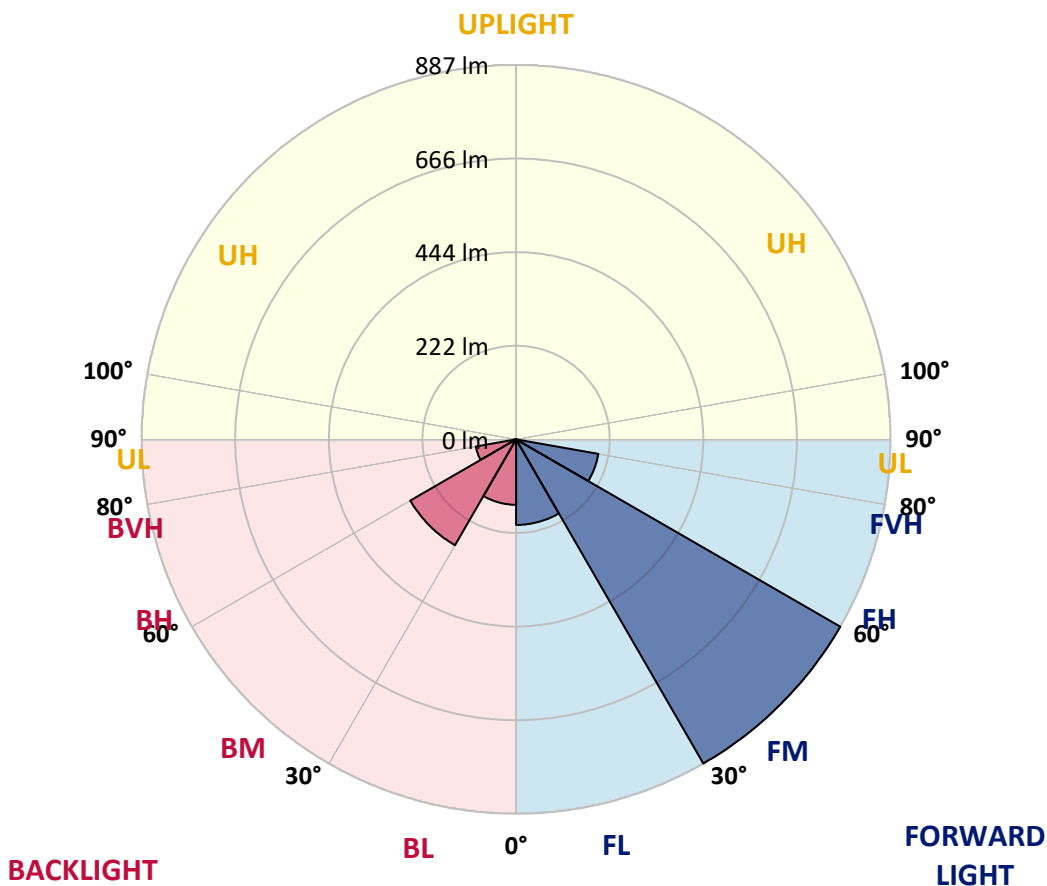
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.8	11.0			
FM (30°-60°)	887.4	48.3			
FH (60°-80°)	198.0	10.8			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	155.0	8.4	B1/500		
BM (30°-60°)	289.7	15.8	B1/1000		
BH (60°-80°)	96.9	5.3	B0/110		G0/110
BVH (80°-90°)	4.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1
2.5°	434.4	433.5	433.8	435.0	439.5	442.8	446.3	449.4	452.4	453.3	454.1
5°	418.9	417.3	417.7	419.7	424.9	430.5	436.7	444.2	451.4	453.8	456.9
7.5°	408.0	407.7	408.4	411.4	417.0	422.2	430.2	440.9	453.3	457.4	462.9
10°	393.4	392.8	395.8	402.0	411.1	419.5	429.0	441.6	459.0	465.0	473.6
12.5°	381.9	381.6	384.7	393.3	405.0	418.3	431.4	445.5	466.7	474.9	485.5
15°	388.6	387.3	387.4	393.4	403.9	419.7	437.4	452.6	474.3	484.9	498.4
17.5°	408.3	405.9	404.1	405.1	411.1	427.5	446.6	462.0	483.2	495.5	512.0
20°	435.5	434.1	429.1	425.8	427.2	441.6	461.0	475.4	494.8	508.6	526.3
22.5°	471.9	468.6	461.9	456.6	452.6	463.8	481.7	494.2	510.8	525.3	543.7
25°	517.1	512.3	501.7	493.4	484.7	496.3	512.2	521.6	532.9	546.3	563.8
27.5°	563.2	559.2	547.3	536.2	525.4	532.6	551.5	556.9	555.7	565.5	580.5
30°	612.3	607.2	596.0	584.0	570.0	574.7	591.6	594.3	581.6	589.7	599.9
32.5°	664.1	659.2	649.4	635.5	619.7	621.5	626.2	628.7	616.5	621.2	629.0
35°	716.9	712.2	702.3	688.5	676.9	665.9	654.2	664.4	657.4	666.4	665.8
37.5°	765.1	760.4	754.2	743.6	723.8	702.1	675.1	687.7	698.7	710.1	708.1
40°	797.6	794.5	796.0	794.3	768.8	726.0	685.3	699.1	729.0	748.5	747.5
42.5°	825.7	822.6	831.3	837.6	807.5	748.1	690.3	703.5	748.4	778.9	777.4
45°	838.2	837.3	851.7	871.7	843.0	771.5	703.0	712.5	763.1	802.1	796.4
47.5°	823.3	826.5	854.8	888.6	872.4	799.3	729.2	731.6	782.3	827.4	811.3
50°	793.7	800.6	838.9	889.1	893.9	830.7	765.4	759.3	808.1	854.2	819.1
52.5°	750.6	757.8	820.3	885.6	906.2	867.0	813.6	805.0	840.7	881.1	820.5
55°	651.7	661.4	777.7	877.8	918.2	900.0	867.9	850.5	882.8	918.1	833.8
57.5°	565.3	570.4	673.8	843.1	920.6	924.4	906.7	885.9	924.5	958.0	848.8
60°	414.9	416.1	509.0	697.6	846.9	910.3	903.5	872.7	904.7	926.0	780.1
62.5°	234.4	234.5	308.7	465.6	632.6	741.9	746.1	719.0	692.1	698.4	543.0
65°	88.0	96.3	141.0	228.8	364.7	438.0	455.4	461.7	417.0	389.2	291.2
67.5°	58.9	60.8	82.3	117.7	162.3	187.4	209.6	210.2	153.8	137.1	114.7
70°	44.9	46.8	64.7	84.2	82.3	76.0	82.1	79.9	82.6	84.8	87.2
72.5°	33.5	35.4	50.2	59.5	49.4	48.7	55.1	61.3	67.0	69.4	73.1
75°	22.2	23.7	33.8	31.8	27.3	32.3	40.2	46.4	49.7	52.6	55.4
77.5°	14.1	15.2	18.0	14.6	15.2	18.9	23.4	29.0	32.1	35.0	36.5
80°	6.5	6.3	6.2	6.9	8.6	11.1	14.1	17.4	19.8	21.0	21.9
82.5°	2.6	2.9	3.2	3.8	4.7	6.0	8.0	10.2	12.2	12.5	13.2
85°	1.1	1.2	1.4	1.7	2.1	2.7	3.3	4.7	5.9	6.3	6.8
87.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.8	1.4	1.5	1.7
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°	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1	455.1
2.5°	458.1	456.2	459.5	461.7	463.8	461.6	460.8	458.9	458.6	458.6	459.6
5°	462.3	461.0	464.4	465.8	465.6	460.7	457.7	453.8	451.8	451.8	452.1
7.5°	469.8	469.1	471.0	468.9	464.1	454.1	444.2	435.9	430.4	427.5	428.4
10°	482.3	481.4	479.8	471.9	458.1	437.3	417.0	402.0	393.0	387.9	388.2
12.5°	494.5	493.0	487.1	469.8	441.5	408.3	381.7	364.9	355.0	349.0	347.6
15°	507.8	503.9	491.3	459.0	414.3	372.8	345.1	326.9	316.2	312.6	312.5
17.5°	520.6	513.7	490.9	439.8	381.7	335.8	307.8	296.6	294.8	296.4	296.9
20°	533.5	522.4	485.9	413.2	343.0	298.8	284.4	289.1	295.8	300.3	301.4
22.5°	546.9	529.6	474.6	379.0	302.1	273.9	279.9	290.1	298.5	304.5	305.1
25°	561.9	536.4	457.8	337.1	269.4	267.0	278.8	289.7	298.7	305.6	306.8
27.5°	570.4	536.5	434.3	294.0	254.4	264.3	276.3	286.5	295.5	303.0	304.4
30°	578.9	532.5	396.9	259.0	250.0	261.1	271.9	281.4	290.0	297.3	299.0
32.5°	590.7	528.7	353.8	238.9	247.5	258.1	267.0	275.4	282.0	285.3	286.2
35°	605.4	523.9	308.0	230.2	245.8	255.7	263.5	268.0	259.5	257.7	259.6
37.5°	626.0	519.4	262.3	226.4	244.8	254.8	261.7	250.2	239.7	235.4	236.9
40°	648.2	516.8	231.4	223.4	245.2	255.7	254.2	237.1	221.9	213.1	212.8
42.5°	667.1	512.9	211.6	221.5	246.4	259.2	244.0	225.5	203.0	197.8	197.9
45°	679.9	503.0	201.1	219.4	247.5	259.9	239.2	209.6	193.6	190.2	190.1
47.5°	685.2	485.0	194.3	216.1	247.3	253.8	229.4	203.0	186.9	186.0	186.6
50°	681.7	455.4	187.4	209.6	243.7	247.3	218.2	197.2	182.4	187.4	191.0
52.5°	669.0	417.1	179.1	200.8	237.2	240.0	212.5	193.6	179.1	185.7	188.6
55°	665.6	386.1	168.6	189.2	227.6	226.9	206.5	191.8	176.9	174.3	174.8
57.5°	661.3	355.7	151.2	168.5	203.3	204.5	200.8	189.6	171.0	170.3	171.0
60°	574.5	272.7	134.8	145.4	167.0	173.4	194.3	185.7	161.6	158.4	158.3
62.5°	375.2	165.2	120.0	126.7	136.0	143.6	177.2	174.5	151.2	149.3	150.6
65°	201.8	117.7	109.2	113.2	118.3	124.0	146.9	155.4	136.6	129.7	129.9
67.5°	103.2	100.2	101.1	103.9	107.8	110.7	118.5	126.0	116.5	110.7	110.5
70°	88.3	90.7	92.0	93.7	96.3	95.8	96.6	97.9	97.2	94.3	94.1
72.5°	75.2	79.0	79.3	79.6	80.5	78.4	77.0	74.8	74.9	75.4	75.5
75°	57.2	60.8	61.7	61.3	62.2	59.5	57.7	55.4	52.7	52.3	52.6
77.5°	37.2	40.1	41.4	41.1	41.6	39.5	38.6	36.2	33.0	31.8	31.8
80°	22.5	24.2	25.2	25.5	26.0	24.5	23.0	20.9	19.5	18.2	18.2
82.5°	13.7	14.7	15.5	15.5	15.9	14.3	13.1	11.6	11.0	9.8	9.8
85°	6.9	7.7	8.0	7.8	7.5	6.2	5.7	5.0	4.7	4.1	4.1
87.5°	1.7	2.1	2.1	1.5	1.5	0.8	0.5	0.2	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)