

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: P628660

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2129.5 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

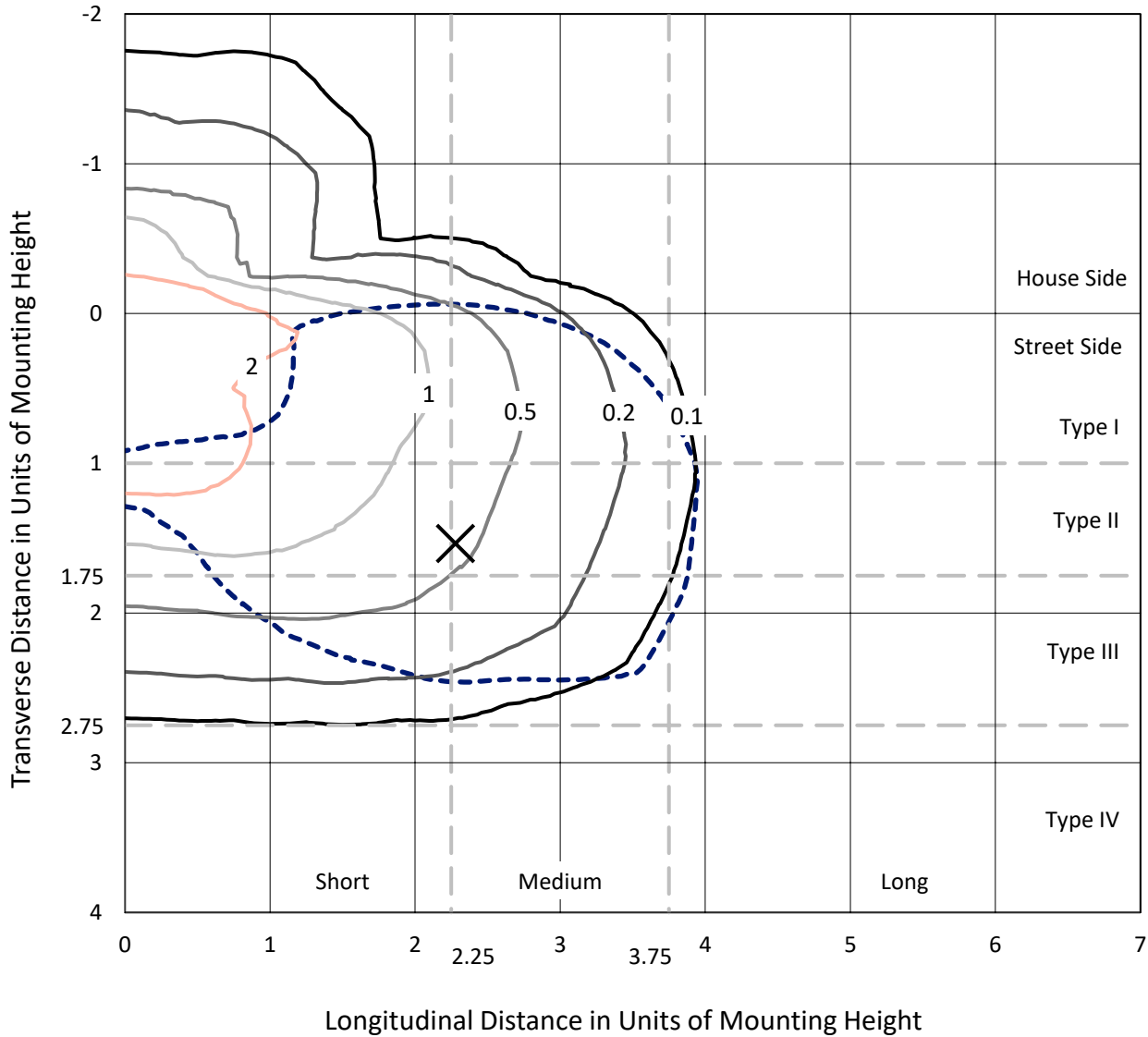
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

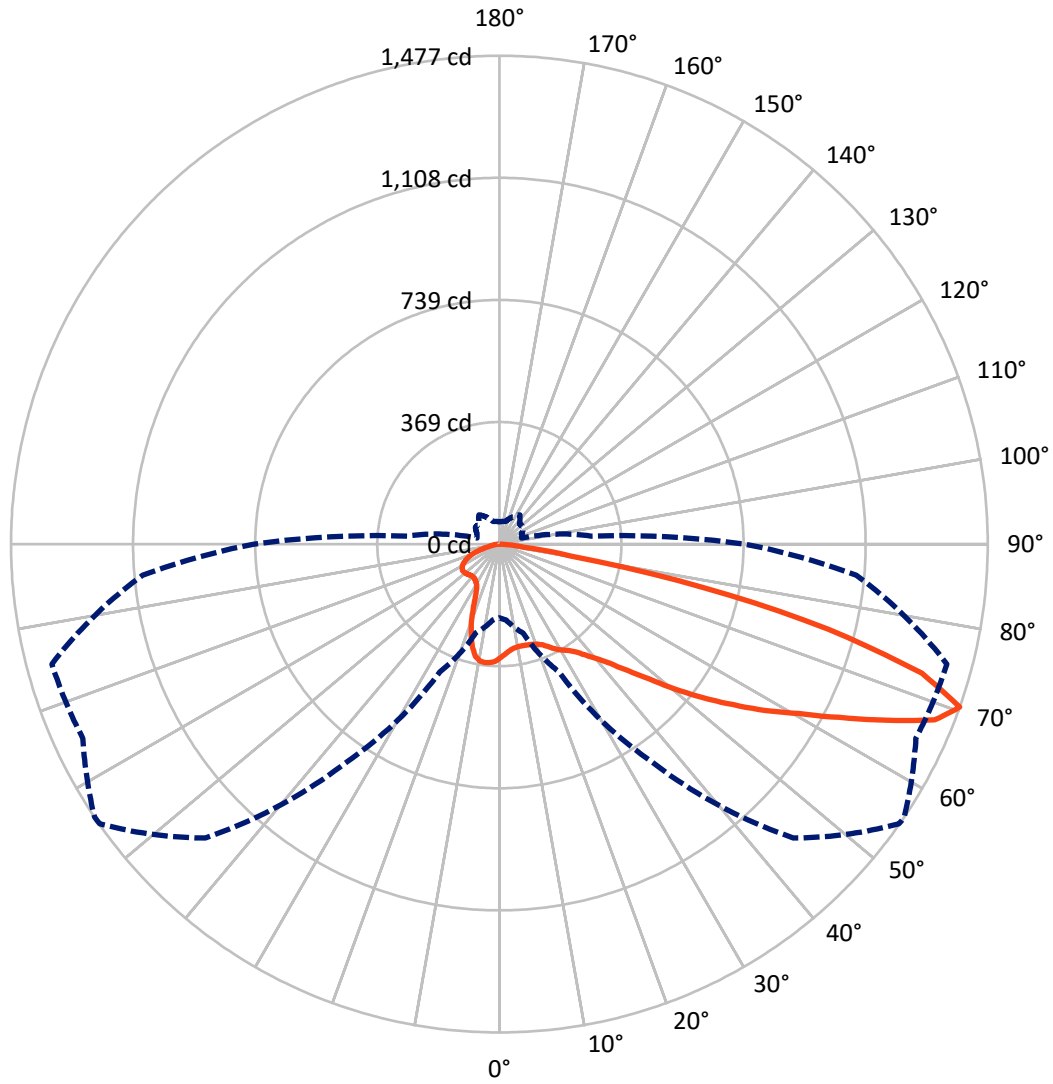
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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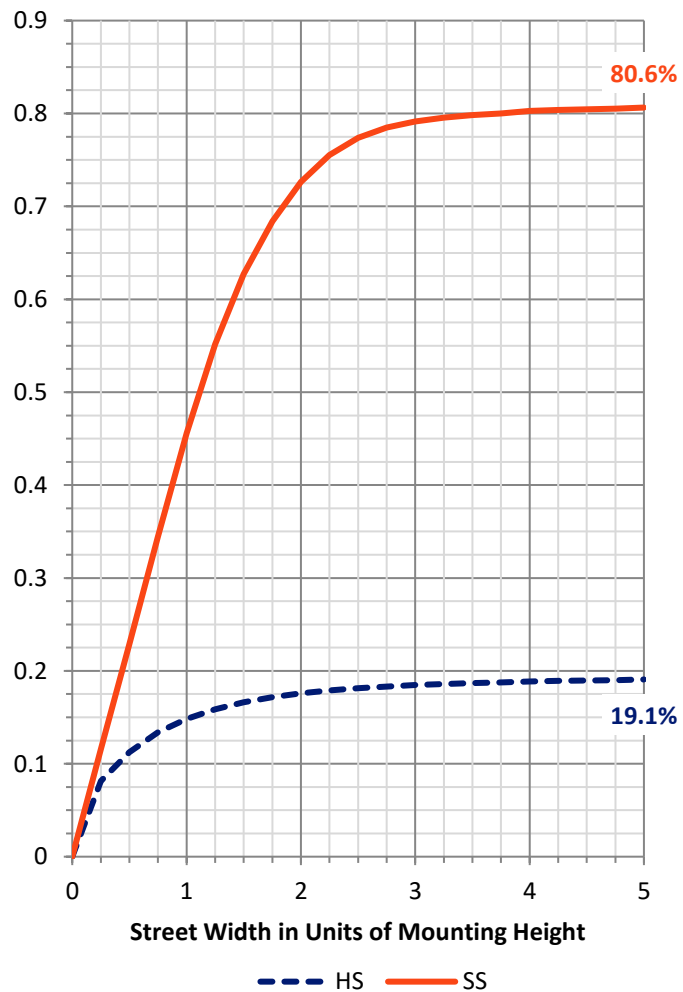
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	409.4	0.0	409.4
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	1720.1	0.0	1720.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	2129.5	0.0	2129.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	1.5
10°-20°	86.2	4.0
20°-30°	142.5	6.7
30°-40°	213.0	10.0
40°-50°	317.0	14.9
50°-60°	450.7	21.2
60°-70°	558.2	26.2
70°-80°	308.2	14.5
80°-90°	21.7	1.0
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°	2129.5	100.0
0°-180°	2129.5	100.0

Coefficient of Utilization



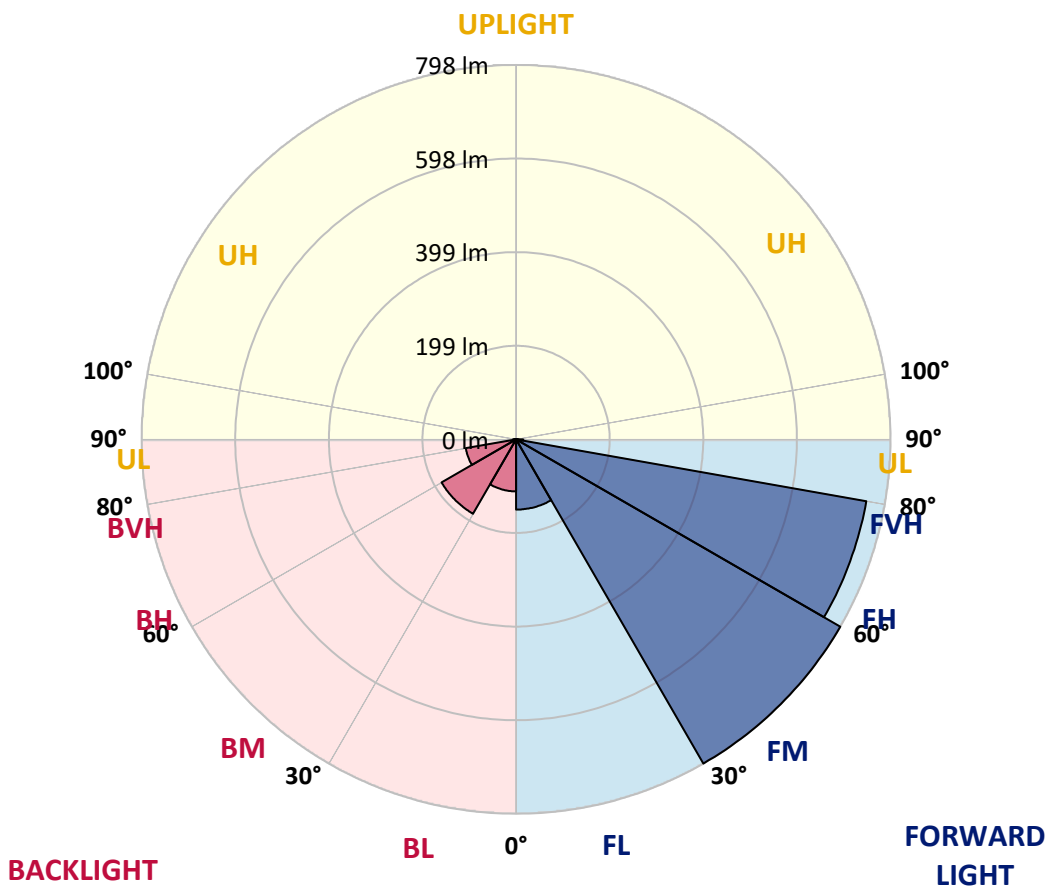
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.7	7.0			
FM (30°-60°)	797.7	37.5			
FH (60°-80°)	757.7	35.6			G1/1800
FVH (80°-90°)	15.1	0.7			G1/100
BL (0°-30°)	110.8	5.2	B1/500		
BM (30°-60°)	183.1	8.6	B0/220		
BH (60°-80°)	108.8	5.1	B0/110		G0/110
BVH (80°-90°)	6.6	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7
2.5°	321.7	319.9	322.0	323.0	325.7	329.6	333.1	333.2	335.0	339.4	343.6
5°	307.1	306.2	306.8	309.9	312.8	317.8	323.0	323.5	328.6	337.1	345.5
7.5°	295.8	294.6	296.9	300.9	304.5	310.1	317.0	317.6	324.8	337.7	350.6
10°	279.6	278.7	282.9	288.3	296.1	305.3	314.5	315.2	324.7	341.6	359.7
12.5°	272.6	272.6	274.4	279.5	288.0	300.2	314.0	315.2	327.1	347.6	371.2
15°	283.5	284.3	282.8	282.5	285.9	297.5	314.6	316.4	331.6	353.8	382.6
17.5°	305.6	306.3	302.4	296.3	292.8	300.0	316.9	318.8	336.4	360.6	394.9
20°	336.5	337.4	328.9	319.4	307.5	307.4	321.2	323.0	342.5	367.9	408.0
22.5°	372.7	373.3	362.5	347.5	329.3	321.1	328.7	330.5	350.5	378.1	422.1
25°	414.6	416.4	403.4	381.6	356.9	339.8	341.2	343.3	364.8	391.8	438.8
27.5°	459.4	461.6	446.6	422.6	388.6	360.6	357.2	359.1	379.9	400.2	447.7
30°	505.2	506.8	491.8	464.3	422.7	384.0	370.8	371.8	386.5	404.3	456.7
32.5°	556.1	554.7	540.3	508.6	462.1	412.1	383.4	383.1	393.9	412.4	469.6
35°	603.8	605.8	590.5	555.5	505.3	446.7	402.3	401.1	409.5	425.6	487.7
37.5°	661.6	661.0	642.7	604.9	548.7	479.9	428.9	426.8	429.8	446.1	513.1
40°	702.9	707.1	695.3	660.0	599.5	520.8	460.0	455.3	456.1	471.5	547.1
42.5°	736.7	740.6	741.8	719.3	657.6	571.2	498.7	494.1	494.5	516.4	588.8
45°	762.7	768.0	784.9	778.3	723.1	629.5	551.1	546.3	546.6	570.9	639.3
47.5°	773.4	779.1	813.5	829.2	792.6	699.2	616.3	609.2	610.3	637.2	696.9
50°	769.9	777.6	824.1	868.4	850.9	770.1	694.2	689.3	685.2	724.3	759.5
52.5°	740.2	748.6	823.1	893.3	898.5	837.0	774.7	771.9	771.0	816.8	829.5
55°	652.6	666.7	786.9	900.0	935.7	900.1	862.0	857.2	861.8	915.9	900.3
57.5°	604.1	614.6	716.0	892.6	966.2	960.2	949.1	949.5	954.8	1023.5	986.0
60°	576.5	588.8	676.7	872.5	995.5	1033.2	1040.2	1040.2	1049.7	1139.6	1073.1
62.5°	539.9	552.3	639.9	833.7	1022.5	1119.1	1154.8	1154.3	1158.1	1264.1	1158.2
65°	465.5	477.1	566.0	772.6	1035.7	1213.7	1285.0	1283.6	1276.1	1374.9	1214.6
67.5°	338.0	349.0	433.5	656.4	988.1	1289.9	1419.1	1419.7	1374.8	1444.8	1217.6
70°	222.8	230.4	278.7	426.3	803.5	1257.1	1475.2	1477.1	1390.0	1401.2	1083.6
72.5°	139.1	144.3	174.0	254.2	474.8	995.0	1331.1	1336.0	1250.4	1231.4	890.3
75°	92.4	96.0	115.8	148.2	219.7	538.5	1011.8	1027.7	1002.2	965.3	620.3
77.5°	55.6	58.6	73.7	94.2	97.3	210.4	590.6	631.8	635.4	504.0	259.8
80°	25.4	28.8	40.7	53.8	51.8	73.3	208.3	217.9	257.1	160.1	82.0
82.5°	15.0	16.5	27.0	26.7	22.1	35.6	74.9	76.9	65.3	58.6	35.0
85°	6.0	7.1	11.4	10.1	8.1	11.6	28.2	29.6	28.4	25.5	12.9
87.5°	0.0	0.0	0.0	0.0	0.2	0.3	2.6	2.7	3.9	7.1	3.9
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°	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7
2.5°	346.3	345.4	349.9	353.3	354.8	356.3	355.0	354.5	354.5	351.5	350.0
5°	350.0	350.5	356.6	359.5	359.5	358.3	354.7	352.1	351.2	347.3	346.3
7.5°	357.1	359.1	364.8	364.6	360.4	353.8	344.8	337.9	331.6	328.9	327.2
10°	368.7	371.2	375.1	368.8	357.1	339.7	320.6	305.6	296.6	289.4	289.4
12.5°	381.9	384.3	383.5	369.0	344.8	312.2	284.7	267.4	254.8	248.2	248.2
15°	395.1	397.0	388.9	362.1	319.1	275.7	245.7	225.0	214.0	207.8	207.8
17.5°	408.5	408.3	391.2	346.1	285.6	235.3	205.9	189.8	186.1	185.0	184.9
20°	421.4	417.9	388.3	319.6	246.7	194.6	176.0	177.0	182.6	185.0	185.3
22.5°	435.9	427.4	379.9	285.6	202.6	166.4	167.6	176.3	184.4	188.0	188.5
25°	450.8	435.5	365.8	245.8	165.6	156.0	165.3	175.1	184.3	188.9	189.4
27.5°	456.8	435.5	341.8	199.7	146.0	151.7	161.9	171.3	181.0	186.4	187.4
30°	461.8	431.7	308.1	158.1	137.9	147.5	156.3	165.0	174.5	181.1	182.3
32.5°	468.7	428.4	267.4	132.9	134.1	143.4	149.6	156.9	165.5	169.8	169.4
35°	476.8	423.3	218.3	120.9	130.9	140.0	144.3	148.7	144.8	144.6	145.1
37.5°	488.3	418.8	175.5	115.5	128.8	137.6	141.2	131.8	126.4	124.2	123.3
40°	505.0	417.0	138.5	112.3	128.5	137.4	134.9	120.4	113.1	105.3	105.1
42.5°	526.0	415.7	114.4	110.8	129.6	140.9	126.1	112.9	97.8	94.3	94.0
45°	553.1	413.6	102.4	110.5	132.1	143.6	125.2	102.6	92.2	90.7	90.7
47.5°	585.7	410.3	97.0	110.5	135.0	142.4	122.5	100.3	89.7	91.3	92.4
50°	623.0	406.1	94.2	110.2	137.9	142.4	116.8	99.9	89.0	97.6	101.1
52.5°	663.0	401.2	92.2	109.0	139.8	142.5	117.1	101.4	89.7	99.1	102.0
55°	707.1	400.5	89.5	106.5	140.4	138.6	117.9	104.7	90.6	89.8	90.0
57.5°	762.9	409.5	87.5	102.7	138.0	130.6	119.4	107.1	89.5	89.7	90.7
60°	821.1	426.5	89.2	99.1	133.0	123.1	120.4	105.9	84.4	82.0	82.3
62.5°	870.7	439.4	90.6	97.5	125.8	116.5	119.4	103.2	81.5	80.9	82.3
65°	891.4	428.7	87.2	94.0	115.3	108.4	117.1	99.7	79.1	76.9	77.0
67.5°	868.4	378.7	80.8	86.3	103.5	98.1	113.5	95.2	75.8	73.1	72.5
70°	741.8	278.3	69.7	74.2	89.0	85.9	108.0	89.3	70.6	68.6	67.3
72.5°	597.8	197.0	57.8	59.0	69.8	72.4	98.4	82.0	64.6	59.0	57.1
75°	416.1	123.7	48.2	47.0	50.5	55.3	76.7	68.0	55.7	49.9	48.1
77.5°	179.0	63.5	37.7	37.1	33.6	38.3	58.9	56.8	46.7	39.9	38.9
80°	59.9	36.8	27.2	26.1	22.4	26.9	41.4	45.4	36.6	29.6	27.8
82.5°	30.0	21.3	17.3	15.6	15.0	17.0	24.5	28.2	25.4	20.4	17.3
85°	14.7	12.2	9.5	9.3	7.8	7.4	10.2	12.0	11.4	8.4	8.0
87.5°	5.4	4.8	3.0	2.4	1.5	1.1	0.6	0.6	0.5	0.5	0.5
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)