

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: P628963

Luminaire Tested: GWS-SA1A-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2811.2 lumens
Efficiency: N/A
Efficacy: 142.7 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

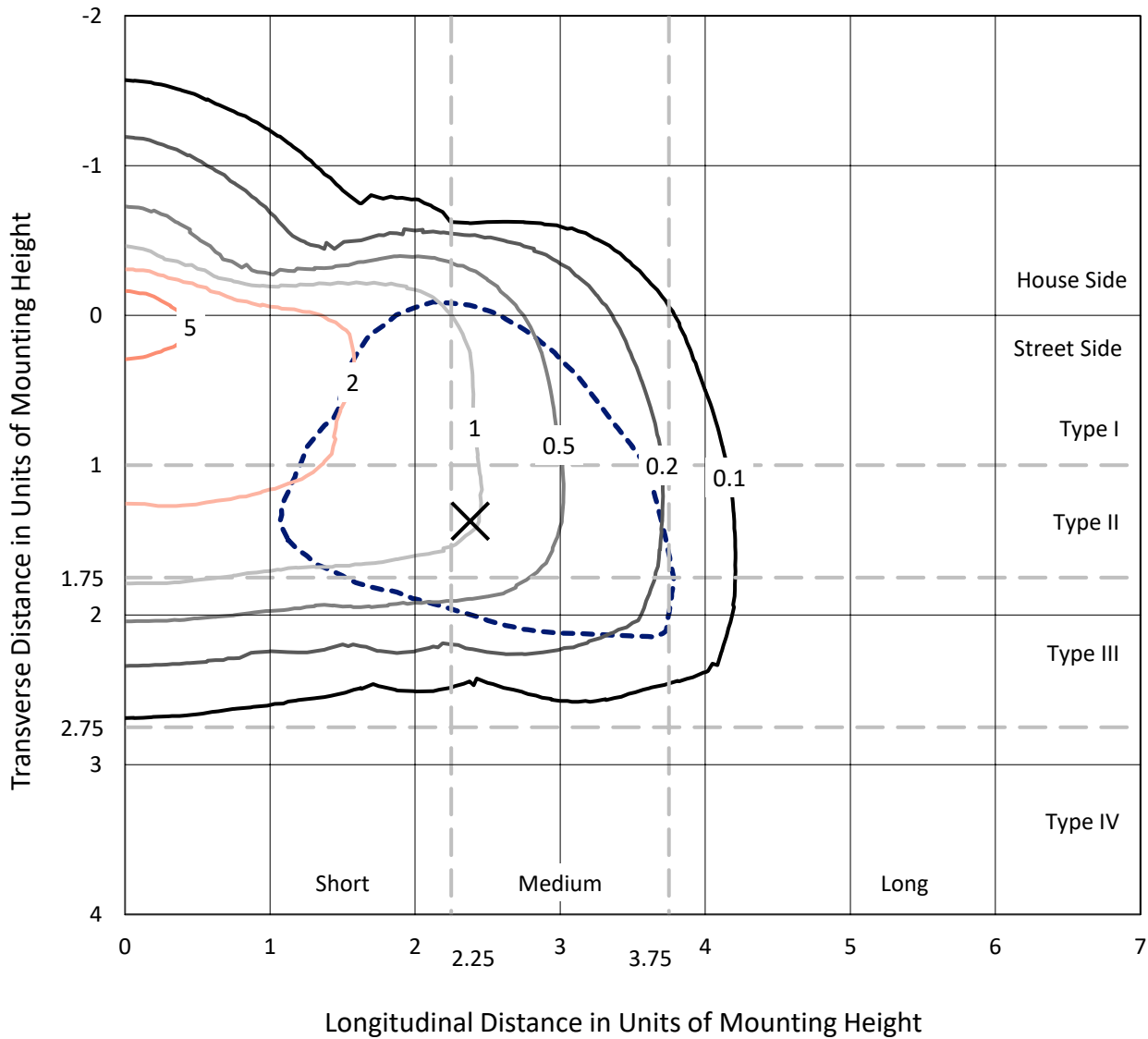
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

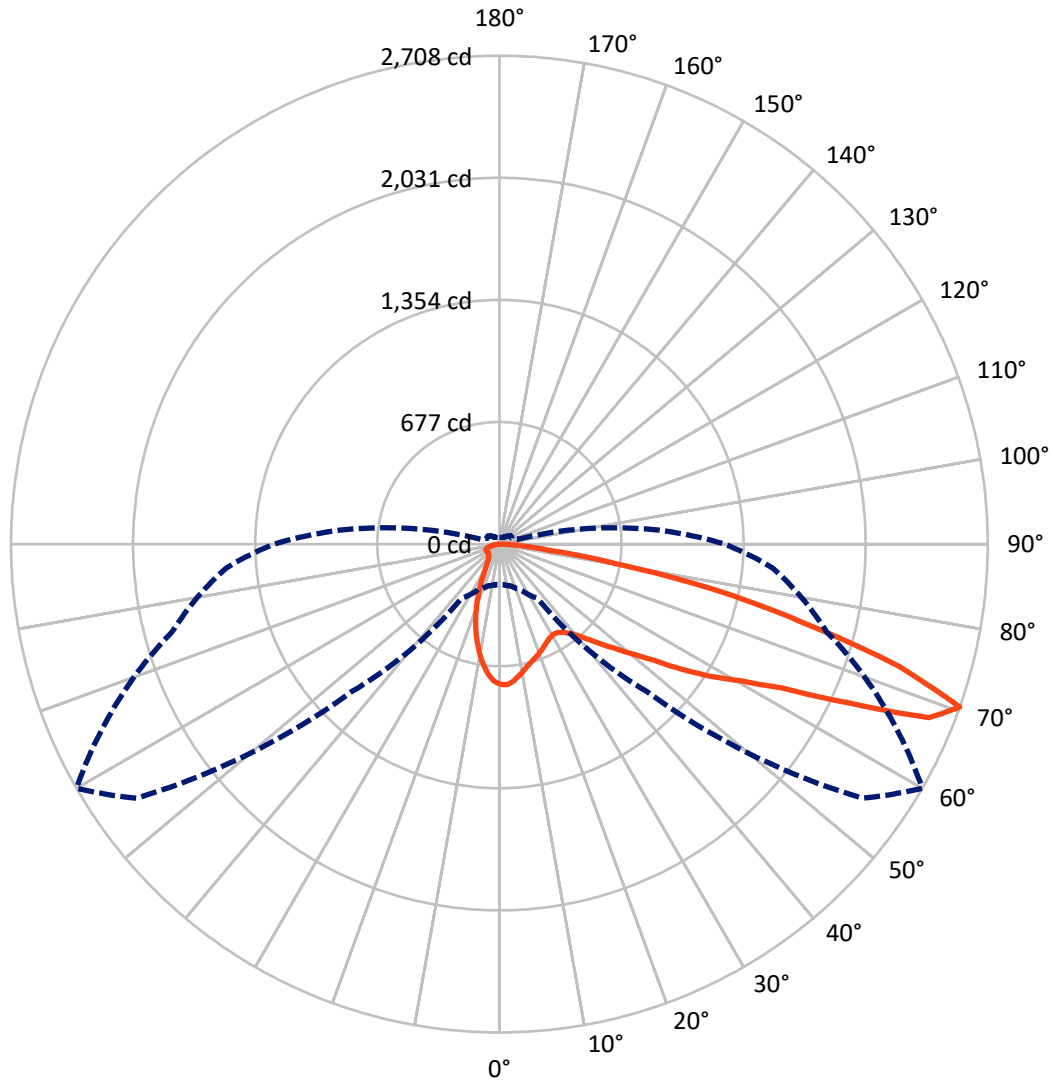
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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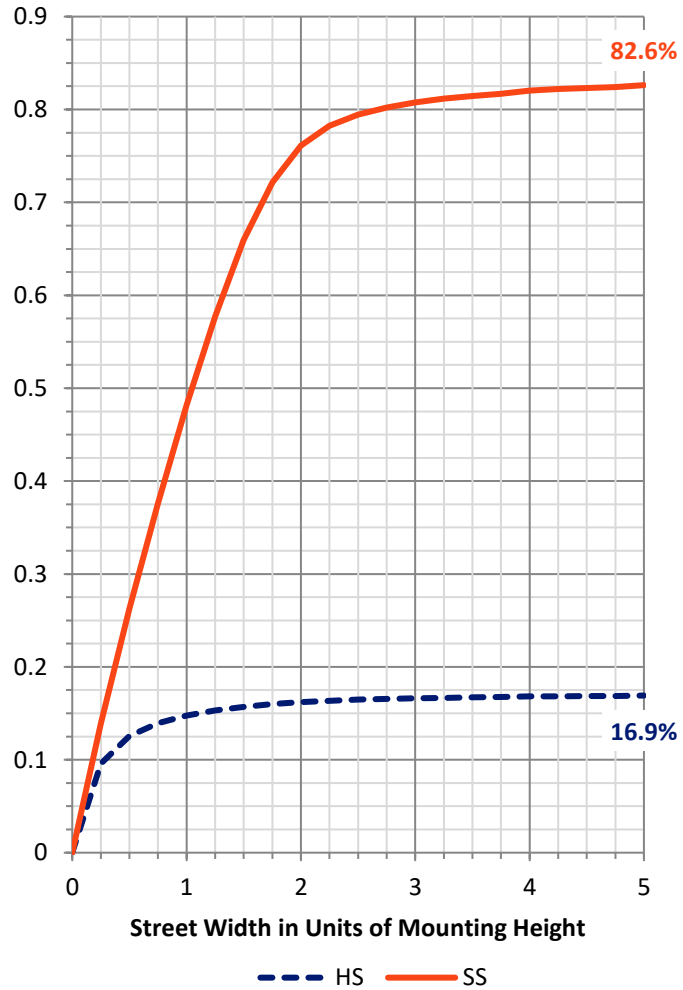
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	480.8	0.0	480.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2330.4	0.0	2330.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	2811.2	0.0	2811.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	2.4
10°-20°	150.2	5.3
20°-30°	192.4	6.8
30°-40°	252.8	9.0
40°-50°	366.8	13.0
50°-60°	572.3	20.4
60°-70°	749.3	26.7
70°-80°	414.3	14.7
80°-90°	46.0	1.6
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°	2811.2	100.0
0°-180°	2811.2	100.0

Coefficient of Utilization



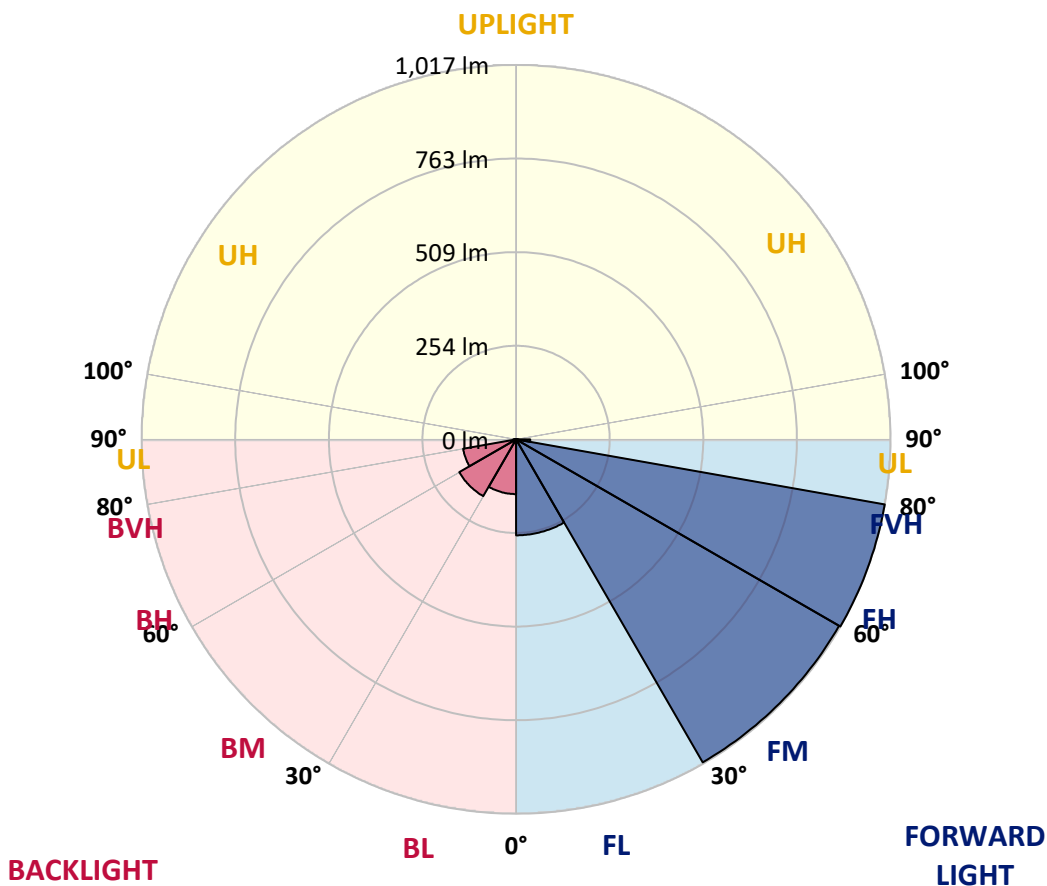
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.9	9.3			
FM (30°-60°)	1013.7	36.1			
FH (60°-80°)	1017.5	36.2			G1/1800
FVH (80°-90°)	38.3	1.4			G1/100
BL (0°-30°)	148.7	5.3	B1/500		
BM (30°-60°)	178.3	6.3	B0/220		
BH (60°-80°)	146.1	5.2	B1/500		G1/500
BVH (80°-90°)	7.7	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°	60°	65°	75°	85°
0°	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9
2.5°	767.0	767.8	770.1	773.4	776.7	778.3	782.4	781.2	780.4	778.7	776.7
5°	733.1	734.7	736.8	743.1	750.3	756.1	765.3	766.4	766.8	767.6	764.3
7.5°	689.9	690.3	695.2	703.6	713.1	723.0	738.4	742.7	746.4	750.5	747.9
10°	642.1	643.2	646.9	659.0	675.3	689.9	710.6	717.8	725.7	734.7	731.0
12.5°	603.1	603.3	609.2	622.2	639.9	659.6	685.5	694.2	704.5	718.7	715.4
15°	572.0	572.0	577.6	588.7	609.0	632.3	663.1	674.2	688.2	707.3	701.6
17.5°	547.3	547.5	551.0	562.8	580.9	606.6	643.2	658.2	673.6	698.9	690.3
20°	534.4	533.3	534.0	541.2	556.6	581.5	623.2	640.7	661.5	693.2	680.0
22.5°	533.7	531.9	529.2	529.8	538.9	559.5	601.8	623.0	649.1	688.4	669.5
25°	544.2	542.2	537.5	532.1	531.3	543.6	581.7	605.7	636.4	686.4	659.4
27.5°	561.9	560.5	554.3	546.3	537.9	537.5	566.5	591.5	627.1	688.4	652.2
30°	585.4	582.9	579.0	568.7	556.0	542.8	560.5	583.9	621.0	695.0	649.1
32.5°	611.9	610.5	606.8	596.5	582.9	561.9	565.2	585.6	621.0	706.5	649.8
35°	640.1	639.9	639.9	633.1	618.1	592.0	583.9	599.6	630.4	725.0	656.3
37.5°	667.4	667.2	673.8	676.3	659.2	631.0	615.8	627.5	651.2	752.4	672.6
40°	689.7	690.5	704.9	717.2	707.8	681.6	660.2	666.2	684.9	791.3	701.0
42.5°	712.1	714.3	735.9	757.7	761.4	738.8	717.2	720.7	733.3	842.7	743.3
45°	736.6	737.6	767.8	798.3	816.2	802.8	785.1	789.8	792.7	906.2	806.5
47.5°	760.2	762.9	802.0	843.7	877.7	876.4	866.5	865.1	865.7	983.6	881.1
50°	792.5	796.4	842.3	892.7	942.4	965.3	968.2	957.3	952.7	1069.6	974.1
52.5°	853.8	853.8	894.9	944.5	1011.3	1067.9	1087.2	1069.3	1055.0	1160.5	1072.8
55°	930.5	933.8	966.5	1006.6	1091.4	1175.9	1241.3	1221.6	1180.8	1259.4	1176.3
57.5°	964.7	968.8	1020.6	1082.9	1196.1	1298.7	1389.4	1382.4	1323.0	1362.2	1283.7
60°	903.0	911.6	983.0	1087.4	1290.9	1496.8	1560.7	1540.4	1455.4	1470.2	1400.1
62.5°	753.2	762.7	841.9	987.7	1277.7	1710.9	1830.8	1755.7	1620.8	1606.6	1555.2
65°	449.4	449.0	544.2	737.6	1115.4	1770.3	2258.2	2118.1	1876.2	1793.8	1714.8
67.5°	285.7	285.1	305.0	390.8	742.3	1624.7	2533.0	2569.4	2223.2	1931.4	1727.9
70°	225.4	225.2	239.6	278.7	367.1	1156.1	2456.5	2708.4	2432.8	1878.9	1521.4
72.5°	164.3	164.8	187.0	233.5	283.2	580.4	1989.2	2317.4	2237.6	1658.6	1235.1
75°	118.1	118.7	132.0	178.7	261.2	317.4	1322.8	1742.6	1702.4	1329.5	849.7
77.5°	75.1	75.9	87.6	125.3	211.0	256.3	802.0	1230.2	1132.7	749.1	302.1
80°	45.9	48.5	58.4	93.4	168.7	192.3	400.9	648.1	567.3	205.5	101.6
82.5°	23.7	25.7	35.2	57.8	116.2	168.9	226.9	272.3	175.7	86.0	54.1
85°	7.4	8.6	12.3	23.4	55.3	104.7	150.1	135.3	80.6	40.5	25.1
87.5°	1.9	1.9	2.1	2.1	2.3	4.7	29.0	30.6	21.4	12.8	10.3
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°	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9
2.5°	772.5	767.6	765.6	765.3	760.2	752.8	747.9	744.4	742.3	741.9	741.9
5°	758.8	752.4	744.0	737.6	723.8	709.8	698.1	691.5	683.9	682.9	682.7
7.5°	740.5	731.2	715.2	697.3	673.2	650.0	630.2	616.8	603.5	601.0	600.2
10°	720.7	708.2	680.8	649.3	613.3	578.6	548.4	524.7	509.1	498.0	495.9
12.5°	701.2	684.5	644.4	597.5	548.1	500.6	455.2	416.5	388.5	372.3	369.4
15°	682.9	659.6	604.7	544.9	480.7	415.7	351.3	301.1	261.8	247.8	244.6
17.5°	666.2	637.2	566.2	490.3	410.3	325.4	252.2	207.5	184.5	177.5	175.9
20°	649.5	614.2	527.2	433.0	335.7	240.4	184.3	163.3	154.7	152.0	151.2
22.5°	631.7	588.9	484.6	376.4	260.2	180.0	150.8	141.5	138.8	139.0	138.8
25°	613.8	563.2	440.0	314.9	193.8	146.0	131.6	128.1	128.8	130.6	131.0
27.5°	599.0	540.3	396.1	247.4	151.4	125.7	118.9	118.7	120.9	123.4	123.8
30°	588.3	520.0	353.0	190.3	124.6	111.7	109.0	110.2	112.9	114.8	115.4
32.5°	580.6	502.5	306.9	149.5	109.2	101.8	100.6	101.8	103.5	105.3	105.7
35°	578.0	489.7	261.6	122.0	98.7	94.6	93.8	94.4	95.2	96.3	96.7
37.5°	583.9	483.4	214.3	106.1	92.4	89.9	88.6	88.2	88.4	88.9	89.1
40°	601.6	486.2	175.7	96.9	88.2	86.0	83.9	83.1	82.9	83.3	83.1
42.5°	632.1	498.4	147.7	91.5	84.9	81.7	79.4	78.6	78.6	79.6	79.6
45°	676.7	522.2	127.5	87.6	82.1	78.0	75.5	75.1	75.9	77.5	77.7
47.5°	742.1	557.2	115.4	84.7	79.4	74.7	72.2	72.0	73.6	76.3	76.5
50°	819.6	607.6	108.8	82.7	77.5	72.0	69.5	69.7	71.6	74.5	75.1
52.5°	913.0	676.3	109.2	81.9	76.5	70.3	67.9	67.5	69.3	72.2	72.8
55°	1009.5	759.8	117.2	82.1	75.1	69.5	66.2	64.8	66.4	68.5	68.7
57.5°	1115.6	854.0	137.2	81.7	73.2	68.7	64.8	61.5	62.5	63.8	64.4
60°	1235.3	964.9	180.2	82.5	72.4	66.8	61.9	57.6	57.4	58.2	58.4
62.5°	1395.4	1115.6	228.5	83.9	74.3	64.6	57.6	53.1	52.2	52.7	52.9
65°	1517.7	1187.6	213.3	82.7	78.2	62.9	53.5	48.7	47.1	46.7	46.7
67.5°	1468.0	1092.4	148.5	79.4	80.0	63.1	50.2	44.2	42.2	41.1	40.9
70°	1249.1	887.3	103.3	76.1	78.0	62.7	46.7	40.5	37.8	36.4	36.2
72.5°	986.9	677.5	83.5	69.5	70.8	56.6	41.5	36.4	34.1	32.3	32.3
75°	635.2	413.4	69.7	61.9	57.8	44.0	36.0	32.5	30.2	28.4	28.4
77.5°	213.7	153.4	54.1	52.4	43.2	33.1	30.2	28.0	26.1	24.5	24.3
80°	86.8	72.8	39.7	39.7	30.2	25.3	23.7	22.6	21.4	19.3	19.3
82.5°	50.4	44.2	27.8	24.1	20.2	17.5	16.5	15.4	15.4	14.0	14.0
85°	24.3	24.5	16.7	14.8	11.5	10.1	9.7	9.1	8.8	8.0	7.8
87.5°	13.2	13.4	8.4	6.6	4.5	3.9	3.3	3.1	2.9	2.7	2.7
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)