

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: P628796

Luminaire Tested: GWS-SA1A-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2348.9 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

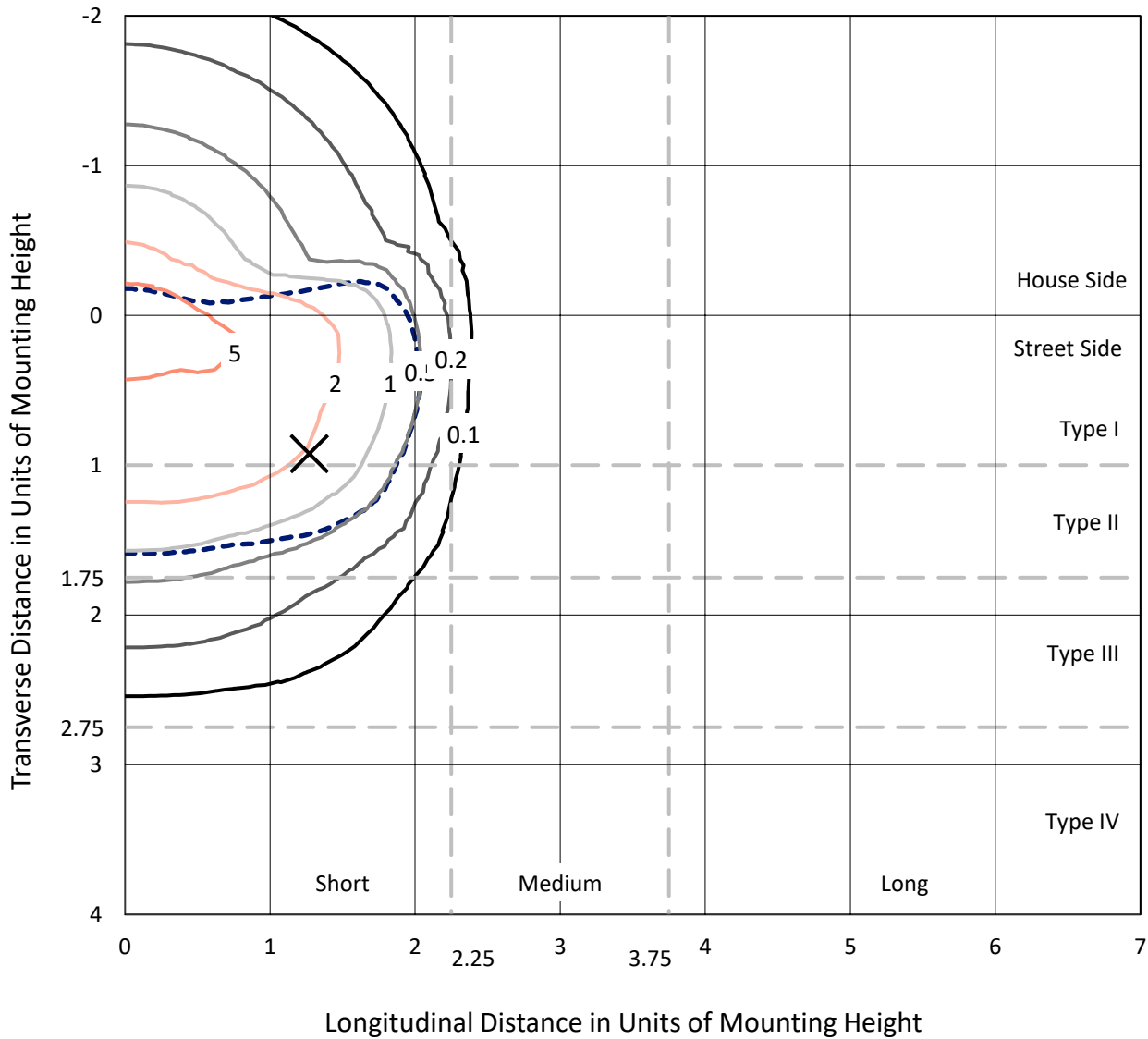
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

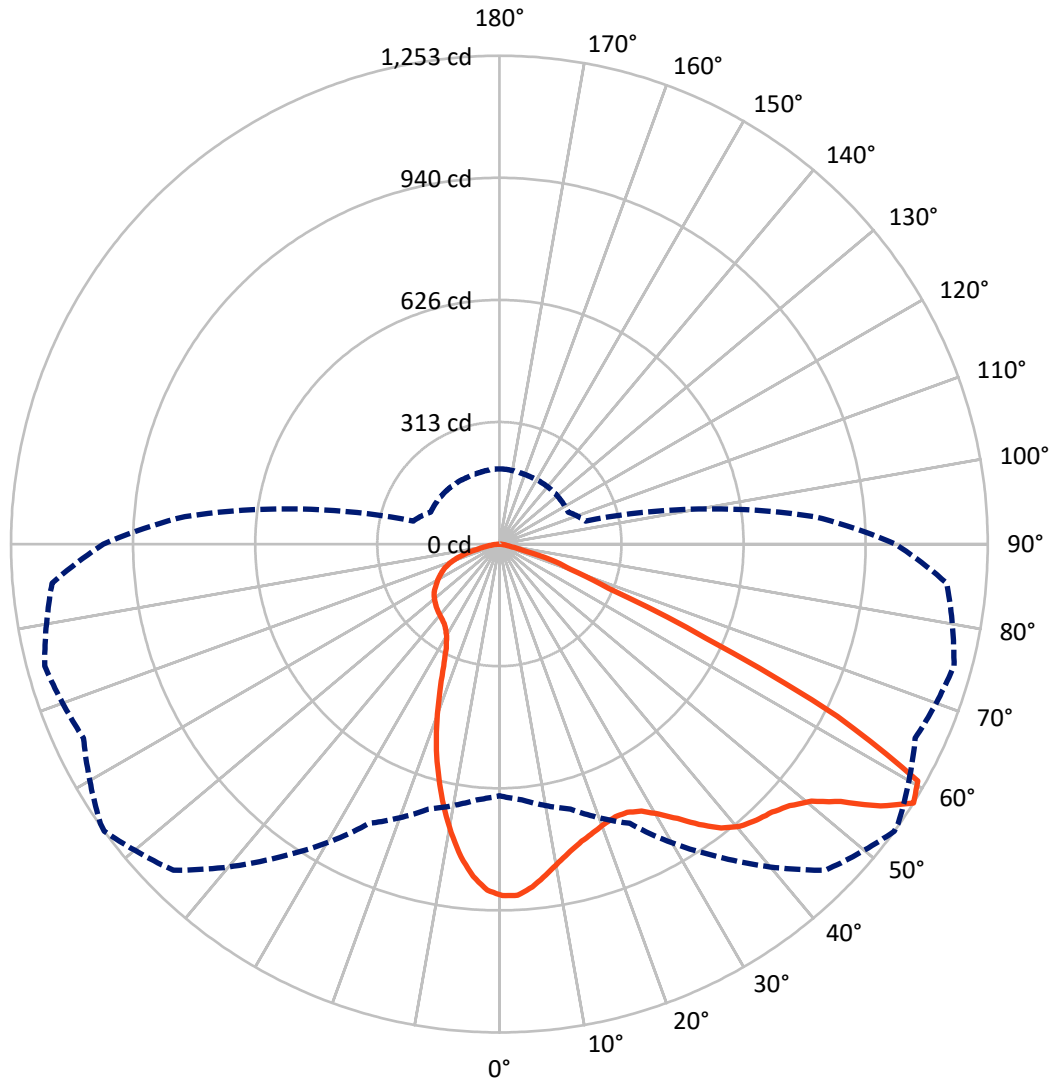
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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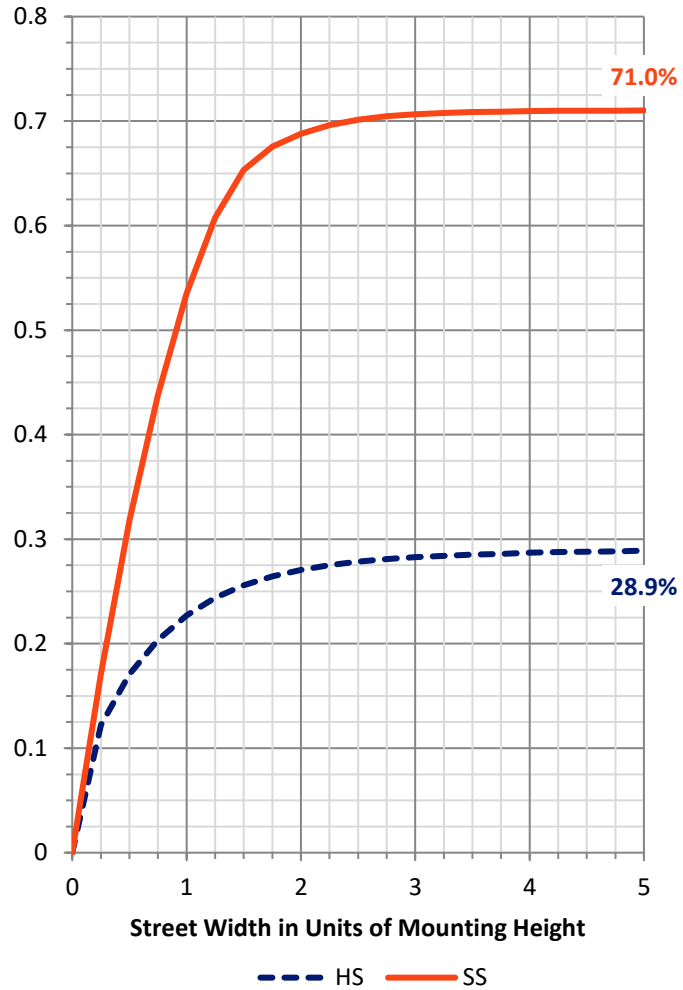
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	682.9	0.0	682.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	1666.0	0.0	1666.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	2348.9	0.0	2348.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	3.4
10°-20°	189.1	8.1
20°-30°	261.7	11.1
30°-40°	363.7	15.5
40°-50°	480.3	20.4
50°-60°	570.8	24.3
60°-70°	316.2	13.5
70°-80°	78.8	3.4
80°-90°	9.0	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°	2348.9	100.0
0°-180°	2348.9	100.0

Coefficient of Utilization



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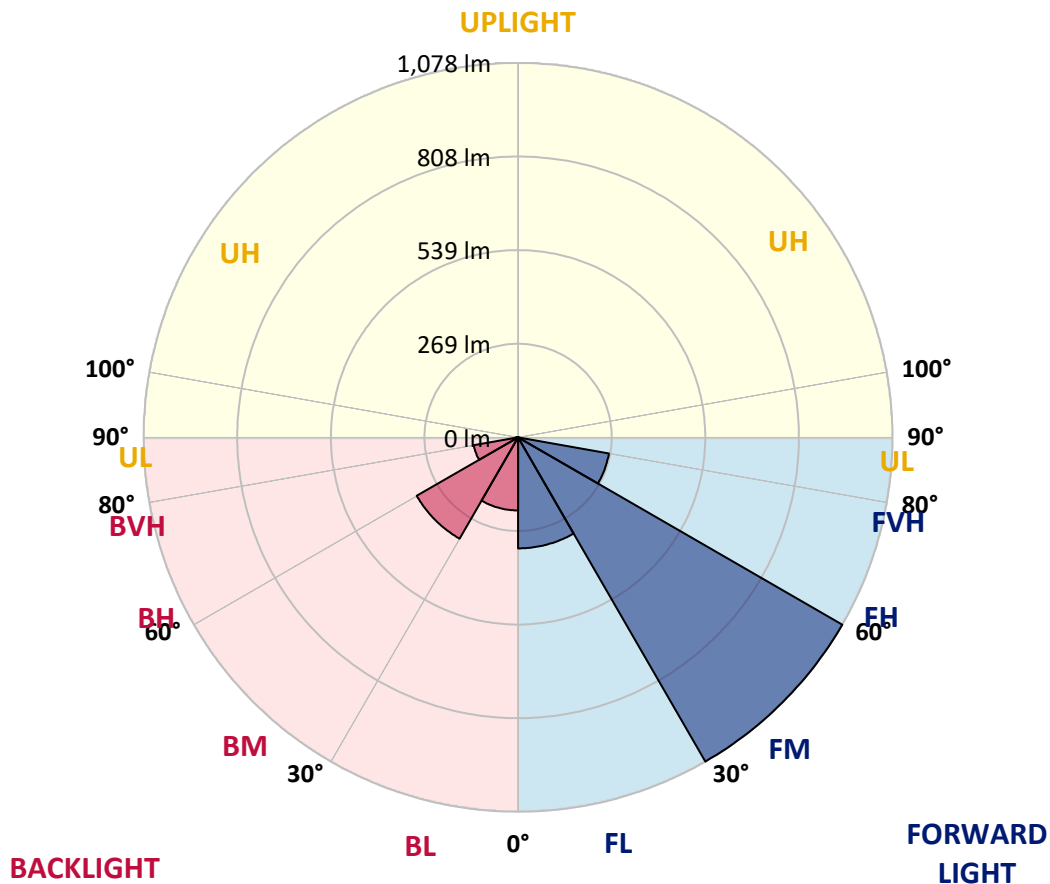
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.7	13.6			
FM (30°-60°)	1077.9	45.9			
FH (60°-80°)	265.6	11.3			G0/660
FVH (80°-90°)	2.8	0.1			G0/10
BL (0°-30°)	210.4	9.0	B1/500		
BM (30°-60°)	336.9	14.3	B1/1000		
BH (60°-80°)	129.4	5.5	B1/500		G1/500
BVH (80°-90°)	6.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	884.9	886.7	887.9	892.1	895.8	899.0	902.4	902.4	902.2	901.6	900.4
5°	849.9	851.9	854.7	860.6	868.4	874.0	883.3	884.1	888.1	889.7	888.9
7.5°	809.3	809.9	813.5	821.2	833.6	843.7	857.0	858.6	868.2	873.8	872.8
10°	764.9	762.9	769.3	780.6	796.8	813.7	830.8	832.2	847.7	858.4	857.6
12.5°	724.3	724.5	730.9	744.6	764.9	785.8	808.7	811.9	831.0	844.7	843.3
15°	690.3	691.1	698.9	714.4	737.5	762.5	791.0	794.0	818.2	836.2	832.2
17.5°	663.1	663.9	670.8	688.5	713.2	743.4	778.1	781.2	811.1	832.6	824.4
20°	644.4	644.0	650.7	667.6	693.1	725.9	766.9	771.3	808.9	834.0	819.2
22.5°	636.8	636.6	641.4	655.3	679.2	712.4	760.0	766.1	811.3	840.3	815.9
25°	640.6	639.8	644.0	654.3	673.4	707.2	762.1	768.5	821.6	853.1	816.5
27.5°	652.5	651.5	655.1	664.3	678.8	712.6	776.1	783.6	843.3	876.7	824.6
30°	670.6	670.0	673.6	682.4	695.1	730.7	803.1	811.5	876.9	913.3	842.1
32.5°	691.7	690.7	697.1	707.4	722.0	763.7	839.3	850.3	916.7	960.3	871.4
35°	715.4	714.6	723.4	738.3	759.4	809.5	883.1	895.2	957.3	1013.6	910.4
37.5°	738.5	738.5	755.6	777.7	804.3	859.4	924.3	932.0	985.4	1060.8	952.3
40°	759.0	760.2	786.0	819.2	852.9	904.4	951.5	957.9	997.9	1093.4	988.7
42.5°	781.8	782.8	812.7	856.2	896.4	940.8	967.9	971.2	1000.3	1109.7	1014.4
45°	799.9	801.3	838.5	884.9	934.2	968.1	981.0	983.8	1003.7	1118.5	1033.1
47.5°	809.3	811.3	853.9	908.0	959.7	992.7	1002.5	1003.7	1017.8	1134.0	1055.6
50°	807.7	811.7	859.8	919.5	978.6	1017.4	1037.1	1039.1	1046.6	1156.8	1082.0
52.5°	822.0	823.8	872.2	933.2	1005.5	1063.1	1097.2	1100.1	1096.6	1173.8	1097.6
55°	798.2	806.9	856.8	931.2	1046.6	1133.6	1186.3	1184.9	1142.1	1192.9	1123.8
57.5°	645.6	658.3	703.9	790.4	979.0	1183.1	1252.9	1249.4	1177.3	1207.6	1152.1
60°	447.0	449.0	490.2	551.5	755.6	1045.2	1233.4	1240.8	1183.7	1189.1	1099.6
62.5°	357.5	356.9	360.7	362.3	480.6	734.7	973.6	1000.7	983.4	926.5	779.3
65°	305.2	307.4	318.7	312.9	313.7	413.8	581.7	585.5	573.4	552.9	412.2
67.5°	238.9	242.7	262.6	285.3	278.1	266.4	301.8	300.0	236.5	183.0	151.2
70°	149.6	152.0	173.3	224.0	242.1	218.8	194.0	193.2	126.7	104.2	114.2
72.5°	87.3	87.7	93.7	124.9	160.7	149.6	142.8	137.5	81.4	83.0	91.1
75°	48.1	48.1	47.9	53.9	63.3	56.1	54.3	52.9	54.5	61.7	67.8
77.5°	10.1	10.3	10.9	14.3	18.5	22.5	28.4	28.6	35.6	41.2	46.0
80°	4.6	4.8	6.0	7.6	9.9	13.1	17.3	17.5	21.5	25.9	29.2
82.5°	2.4	2.6	3.2	4.0	5.2	6.8	9.7	9.7	12.9	15.3	17.3
85°	0.8	0.8	1.2	1.6	2.2	2.8	3.8	3.8	5.6	7.4	8.6
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.2	2.0
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°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	897.8	891.5	891.7	892.9	889.1	883.3	879.5	874.7	871.6	871.0	873.2
5°	884.9	877.7	872.6	867.4	856.6	843.7	833.6	825.4	820.0	818.0	815.5
7.5°	867.2	857.8	845.1	830.4	810.7	787.8	771.7	756.6	746.2	743.2	741.7
10°	849.5	835.8	813.3	786.0	753.2	722.2	693.1	670.8	653.1	643.0	646.2
12.5°	831.2	814.3	779.1	737.1	691.5	644.8	606.6	569.6	541.1	526.8	522.6
15°	815.1	792.2	743.2	686.2	625.5	566.8	511.5	456.0	419.8	400.1	394.7
17.5°	801.5	771.7	705.2	634.4	561.8	478.1	410.2	358.7	334.0	323.1	322.3
20°	788.0	751.6	667.6	578.5	488.2	394.5	333.8	309.6	300.8	297.0	296.8
22.5°	775.9	730.5	627.9	522.6	415.0	331.6	298.2	287.7	285.3	285.3	284.9
25°	765.7	709.4	587.3	463.3	348.9	295.2	279.7	275.3	276.3	278.1	278.3
27.5°	761.4	692.9	548.1	402.3	303.2	274.1	267.0	266.4	269.2	272.0	272.4
30°	765.9	681.6	507.9	344.0	275.9	261.2	258.0	259.2	262.6	265.4	265.4
32.5°	779.5	676.0	466.9	301.4	260.0	252.1	251.1	252.3	255.0	256.6	256.8
35°	802.7	678.2	424.5	272.7	249.7	245.5	245.3	246.1	247.1	248.1	248.3
37.5°	831.8	688.1	379.0	256.0	243.1	240.7	240.3	240.1	240.3	240.3	240.5
40°	860.4	702.9	338.4	246.1	238.5	236.5	235.5	234.0	233.8	233.4	233.2
42.5°	881.5	714.4	306.0	239.1	234.2	231.8	230.6	228.4	228.2	228.0	227.8
45°	897.4	724.1	279.1	232.2	229.8	227.6	225.0	223.0	223.4	223.8	223.8
47.5°	915.3	732.5	259.4	225.8	224.4	222.2	219.0	217.6	219.0	220.4	220.4
50°	937.0	744.4	243.3	219.4	218.8	216.1	213.3	212.7	214.3	216.4	216.4
52.5°	952.9	754.6	231.8	212.9	212.9	209.5	207.1	206.9	208.7	210.7	210.9
55°	982.6	778.5	227.8	205.5	204.7	202.1	200.3	198.9	201.1	202.9	202.9
57.5°	1016.2	810.3	228.8	194.8	193.8	193.0	191.6	190.0	190.6	192.6	192.8
60°	945.0	748.8	217.8	184.2	183.6	183.2	181.4	178.5	179.4	181.0	181.2
62.5°	660.1	497.6	176.1	170.9	172.9	172.7	170.3	167.1	167.3	169.5	169.5
65°	342.6	269.2	154.6	158.8	161.9	160.7	156.6	153.8	153.4	156.2	155.6
67.5°	147.8	147.0	140.7	146.2	149.4	146.8	142.6	137.9	138.3	139.3	138.5
70°	119.0	122.7	125.3	131.1	133.7	128.9	124.3	121.6	119.4	119.2	117.8
72.5°	95.1	100.1	106.0	112.0	112.8	108.0	102.1	99.7	96.3	96.1	94.7
75°	71.6	75.8	80.4	85.3	85.3	80.6	76.8	75.6	71.6	70.4	69.2
77.5°	48.9	51.5	55.1	56.3	57.5	55.7	51.9	49.9	45.2	44.0	42.4
80°	30.8	32.6	34.8	35.6	36.8	34.6	31.6	29.4	26.1	25.1	24.3
82.5°	18.5	19.7	21.1	21.5	22.5	20.9	18.1	16.5	14.7	13.9	13.3
85°	9.5	10.1	10.9	11.1	10.9	9.2	8.2	7.4	6.2	6.0	5.6
87.5°	2.4	2.8	3.0	2.8	2.6	2.0	1.4	1.0	0.4	0.4	0.2
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)