

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: P628792

Luminaire Tested: GWS-SA1A-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 2388.9 lumens
Efficiency: N/A
Efficacy: 121.3 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

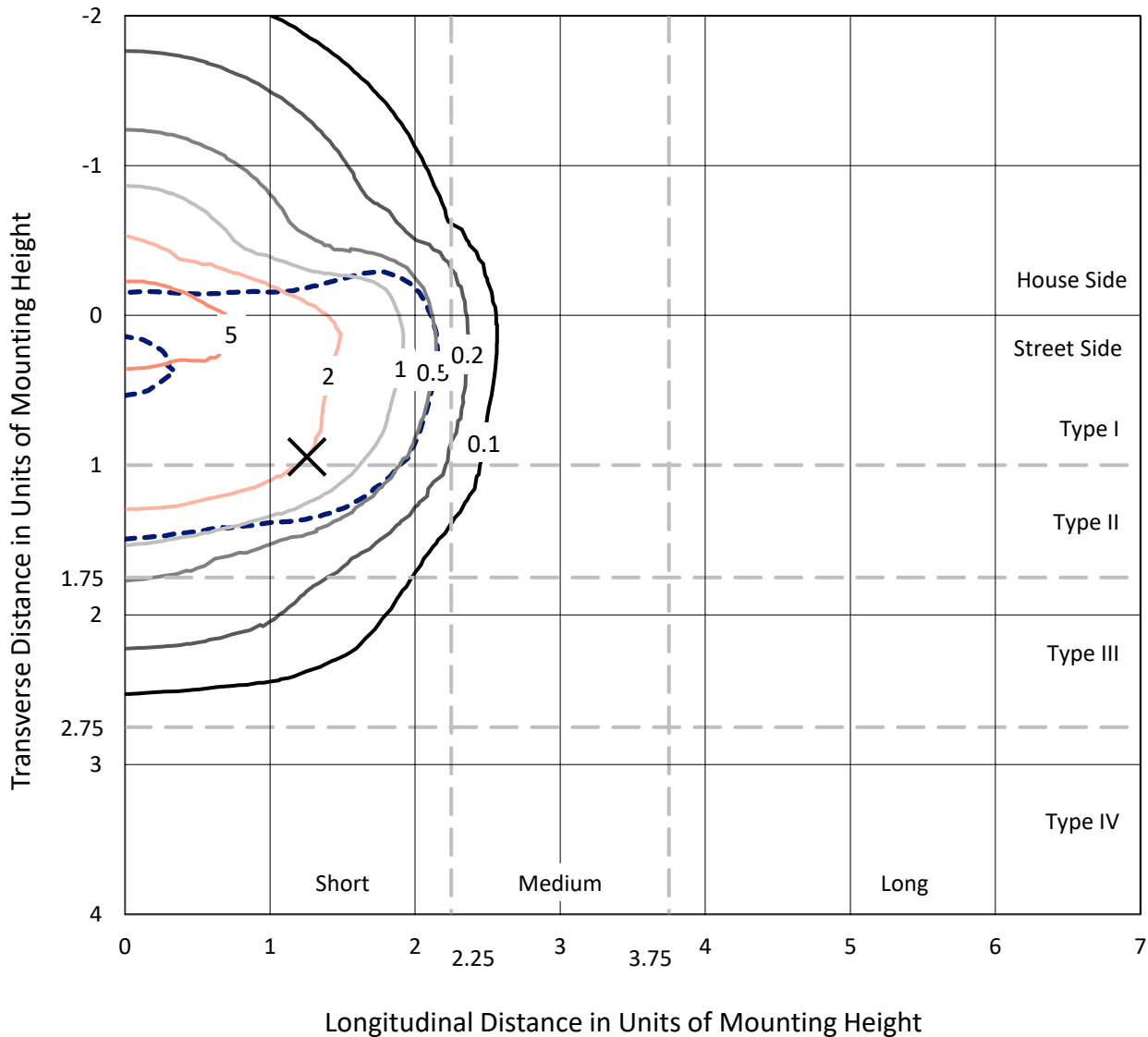
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

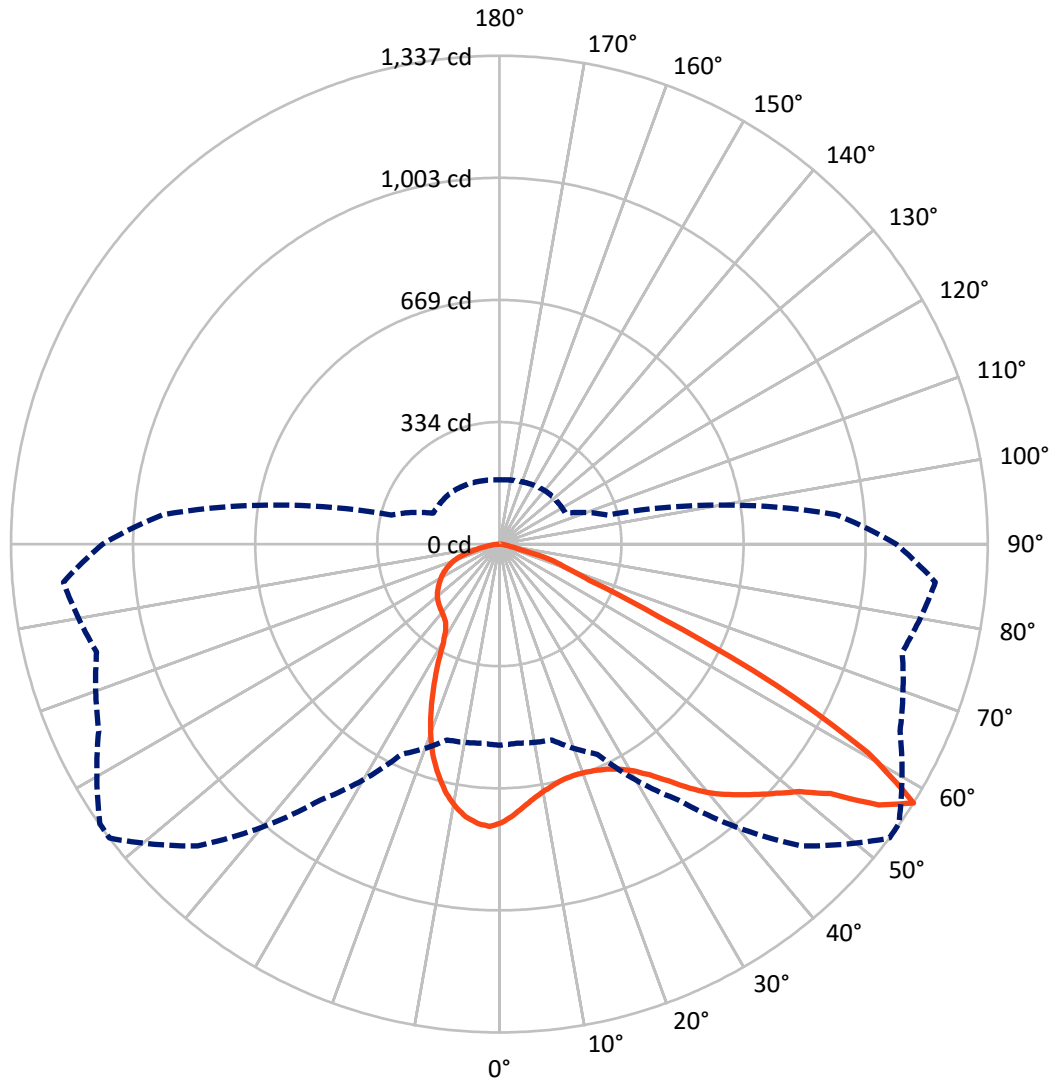
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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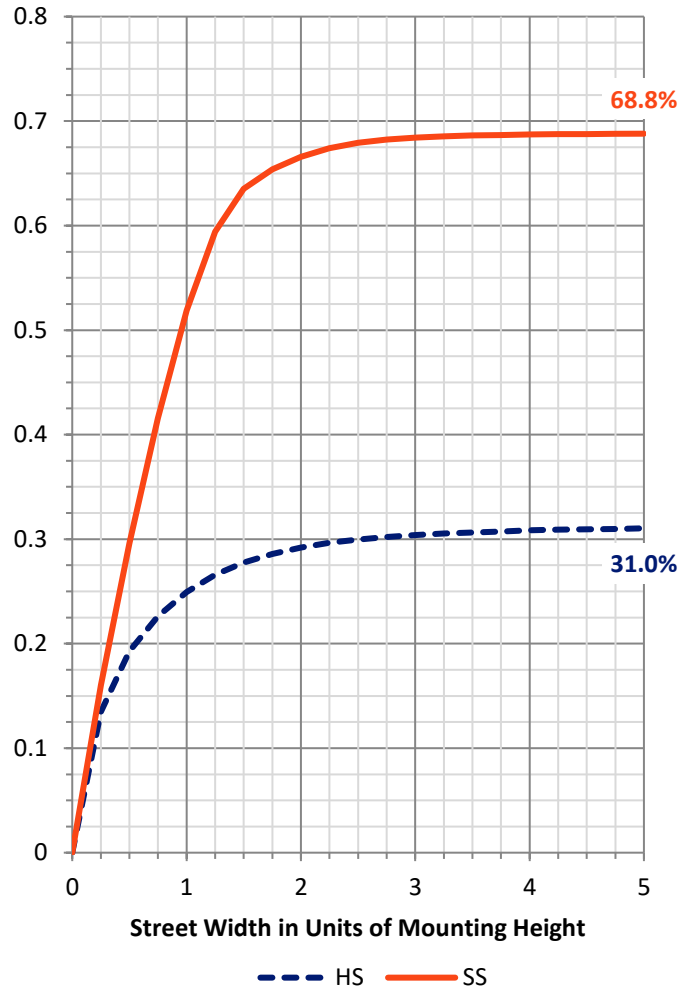
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	746.9	0.0	746.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	1642.0	0.0	1642.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	2388.9	0.0	2388.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	2.9
10°-20°	181.0	7.6
20°-30°	266.7	11.2
30°-40°	373.2	15.6
40°-50°	490.7	20.5
50°-60°	575.3	24.1
60°-70°	338.9	14.2
70°-80°	84.3	3.5
80°-90°	9.9	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°	2388.9	100.0
0°-180°	2388.9	100.0

Coefficient of Utilization



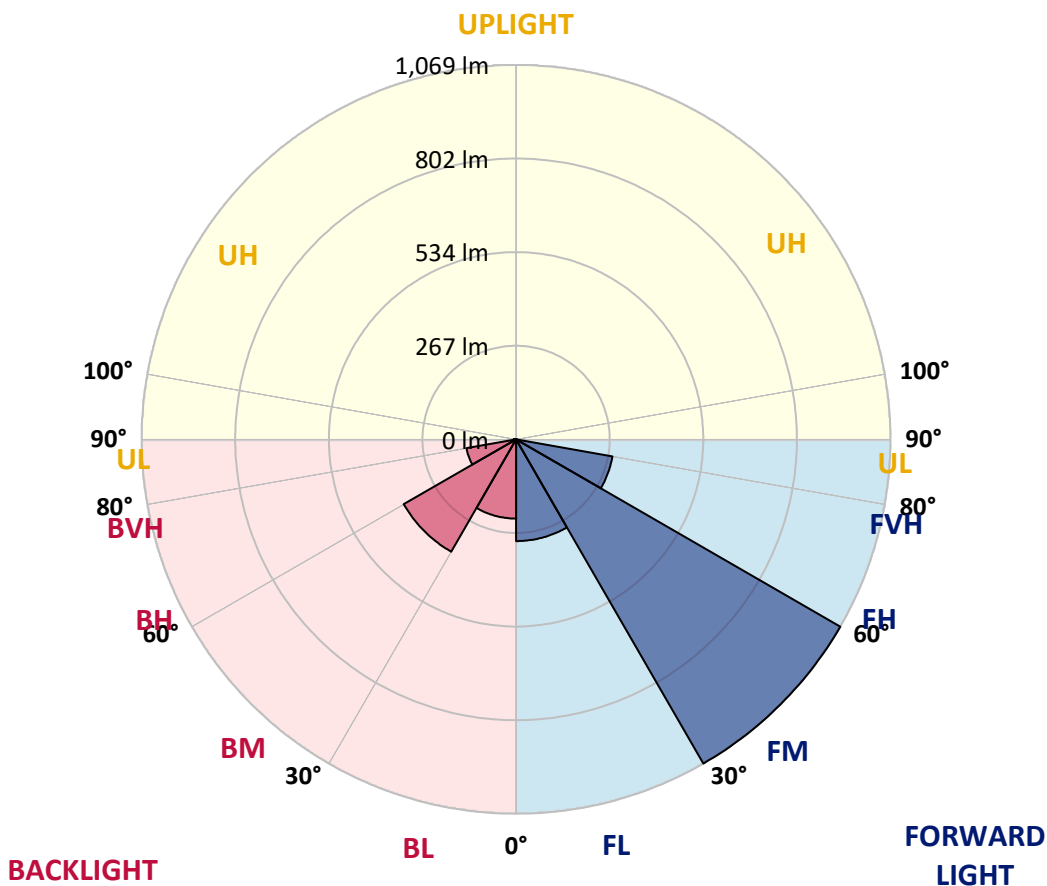
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.4	12.2			
FM (30°-60°)	1068.8	44.7			
FH (60°-80°)	279.4	11.7			G0/660
FVH (80°-90°)	3.3	0.1			G0/10
BL (0°-30°)	226.2	9.5	B1/500		
BM (30°-60°)	370.4	15.5	B1/1000		
BH (60°-80°)	143.8	6.0	B1/500		G1/500
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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8
2.5°	719.0	721.0	721.4	727.7	728.1	737.1	743.1	741.9	748.2	755.8	761.8
5°	684.6	684.8	686.8	694.3	698.3	710.2	720.2	720.2	732.3	748.0	761.4
7.5°	656.3	656.1	657.9	666.1	672.8	687.0	700.7	702.3	719.2	742.1	764.0
10°	629.9	631.3	633.4	643.4	651.9	669.5	685.8	688.4	709.8	738.1	767.7
12.5°	613.0	613.2	616.3	627.5	638.4	657.3	674.4	677.6	702.1	734.3	770.3
15°	602.2	602.4	605.6	618.1	630.7	649.8	667.3	671.0	697.7	733.7	775.3
17.5°	597.4	597.2	600.2	612.6	626.5	646.4	665.1	669.5	699.7	738.3	784.2
20°	597.4	597.6	599.2	610.4	624.5	645.6	667.3	672.8	707.5	748.8	797.8
22.5°	605.8	606.6	607.4	615.1	626.1	646.8	673.2	680.4	724.4	766.3	815.7
25°	622.3	622.5	623.3	629.5	634.6	650.2	682.8	693.7	750.8	791.8	838.2
27.5°	644.4	647.2	648.0	652.1	652.1	658.7	697.9	713.6	786.4	828.6	867.0
30°	675.4	676.4	677.8	682.2	677.4	674.6	720.0	740.1	827.6	873.0	901.6
32.5°	702.5	704.7	712.4	719.6	711.0	702.1	752.6	776.3	867.2	919.3	938.4
35°	725.6	731.1	745.7	761.8	755.8	747.0	795.8	820.5	899.8	952.4	970.9
37.5°	753.6	757.8	777.9	804.1	809.5	805.3	848.5	866.2	921.5	960.9	988.6
40°	781.9	788.4	814.3	850.5	871.2	874.2	897.2	909.0	928.9	944.4	985.2
42.5°	810.9	822.0	857.5	899.8	936.6	943.4	938.2	943.2	926.5	921.7	969.3
45°	846.3	859.4	899.6	953.4	1001.9	1012.6	978.4	973.8	926.1	913.0	959.5
47.5°	888.1	901.2	939.6	1002.3	1064.2	1072.1	1019.6	1011.2	940.2	926.3	972.8
50°	925.1	934.1	968.5	1038.7	1122.3	1127.0	1065.0	1054.8	975.2	963.1	1014.2
52.5°	887.5	886.5	922.7	1009.1	1152.5	1208.2	1135.0	1125.2	1042.7	1024.2	1078.3
55°	753.0	741.5	773.9	858.9	1068.3	1280.4	1260.5	1240.8	1132.8	1085.8	1138.4
57.5°	550.5	547.3	555.1	635.0	855.7	1168.6	1337.3	1335.5	1210.6	1142.0	1198.3
60°	430.5	425.7	404.7	407.0	583.3	912.8	1160.5	1213.8	1258.9	1175.8	1240.2
62.5°	382.2	378.6	367.7	337.8	347.4	612.0	850.7	899.6	1100.0	1038.5	1065.2
65°	316.5	315.5	324.5	323.3	291.1	338.0	480.1	529.4	691.7	700.3	691.7
67.5°	230.0	228.2	251.1	296.4	280.3	255.2	267.6	284.7	354.7	318.5	286.7
70°	149.6	147.0	160.2	214.1	250.9	222.4	192.8	190.0	195.0	121.2	131.1
72.5°	100.3	97.3	97.1	117.8	151.6	149.8	149.4	148.0	132.1	95.7	106.2
75°	55.9	53.5	52.9	50.9	54.3	55.3	58.9	60.9	65.9	72.6	80.4
77.5°	9.5	9.2	11.7	14.9	20.5	26.3	32.6	34.4	42.4	50.3	55.3
80°	5.2	5.4	7.0	8.6	11.5	15.7	20.1	21.3	26.1	30.4	34.4
82.5°	2.8	2.8	3.6	4.6	6.2	8.2	10.9	11.9	15.1	17.7	20.5
85°	1.0	1.0	1.4	1.8	2.6	3.4	4.2	4.8	6.6	9.0	10.3
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.8	2.6
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°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8
2.5°	766.9	761.4	768.9	772.3	773.5	774.3	769.1	765.5	764.2	760.4	758.2
5°	769.7	766.1	773.1	773.1	768.1	762.8	752.2	744.7	739.5	733.3	732.3
7.5°	774.5	771.9	775.7	767.9	755.2	741.1	722.6	708.2	696.5	688.8	689.0
10°	780.9	777.7	774.7	757.2	734.1	708.2	679.8	658.7	639.4	630.5	625.7
12.5°	785.2	780.5	767.9	738.9	704.9	670.1	630.1	598.8	570.8	558.2	557.2
15°	790.4	781.9	756.6	715.2	667.9	620.5	569.0	525.4	487.6	467.9	466.9
17.5°	797.2	783.3	743.1	688.0	628.9	559.0	494.2	439.3	399.1	383.8	386.4
20°	806.9	785.0	727.9	657.9	580.5	489.0	408.4	357.9	342.4	341.4	339.4
22.5°	817.7	786.0	711.0	624.1	521.8	414.4	337.4	315.9	315.7	320.7	321.9
25°	830.0	786.8	691.9	584.7	458.2	340.0	298.4	291.9	297.0	306.4	307.6
27.5°	845.7	788.4	668.7	541.5	390.7	293.8	276.9	275.3	281.3	290.1	289.7
30°	868.8	794.2	644.2	491.8	321.3	271.8	263.8	264.0	266.4	270.6	271.2
32.5°	892.3	803.3	620.3	435.9	281.5	259.4	255.8	255.4	255.4	257.2	257.6
35°	914.6	813.5	594.3	377.6	262.2	252.1	249.7	248.5	247.9	247.5	246.9
37.5°	927.1	818.5	569.0	320.1	251.9	247.3	244.9	243.3	241.1	239.5	239.1
40°	921.7	812.7	539.7	277.1	245.7	242.7	239.9	237.7	234.6	233.2	232.4
42.5°	903.6	794.6	507.7	256.8	240.7	237.7	234.2	230.6	228.6	227.4	227.2
45°	884.5	772.7	469.1	244.9	235.8	232.2	228.2	224.2	222.0	221.4	221.2
47.5°	883.9	761.8	428.1	235.4	230.0	226.4	221.4	217.4	214.9	214.1	213.3
50°	910.4	772.9	381.8	227.2	224.0	220.2	214.5	210.1	207.1	206.1	205.9
52.5°	965.5	814.5	340.4	219.0	215.9	211.5	206.9	202.5	198.9	197.0	196.8
55°	1025.0	867.4	314.7	210.5	206.5	202.7	198.5	193.6	189.6	186.8	186.4
57.5°	1086.6	925.1	306.8	199.9	196.8	194.2	189.2	184.0	179.3	176.7	176.1
60°	1137.2	974.8	321.5	188.6	187.0	183.6	178.9	173.9	170.7	168.7	168.3
62.5°	952.0	793.6	259.6	176.3	176.3	172.7	167.5	163.9	161.7	160.2	159.8
65°	604.2	491.4	177.1	164.1	163.9	159.0	154.6	152.2	151.2	149.0	148.6
67.5°	263.2	224.6	151.4	151.6	150.8	145.6	141.1	139.3	137.3	134.9	134.7
70°	136.5	139.1	135.5	137.7	136.3	130.1	125.9	123.1	118.8	116.4	116.6
72.5°	110.2	113.0	117.0	120.4	117.4	112.4	105.8	102.3	96.9	94.3	94.5
75°	84.0	87.1	90.9	94.5	92.1	85.9	81.6	78.2	72.0	69.0	69.6
77.5°	57.9	59.5	64.1	63.9	63.1	61.3	55.1	51.1	44.6	41.0	41.4
80°	36.0	37.0	39.2	40.2	39.8	37.4	32.4	29.4	25.5	23.3	23.5
82.5°	21.7	22.3	24.3	24.5	24.3	22.5	18.7	16.5	14.1	12.9	12.9
85°	11.1	11.5	12.7	12.7	11.5	9.7	8.6	7.6	6.2	5.6	5.6
87.5°	3.0	3.0	3.8	3.2	2.6	2.4	1.2	1.0	0.4	0.2	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)