

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: P629562

Luminaire Tested: GWS-SA1B-830-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629562
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-SA1B-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2424.9 lumens
Efficiency: N/A
Efficacy: 97.0 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

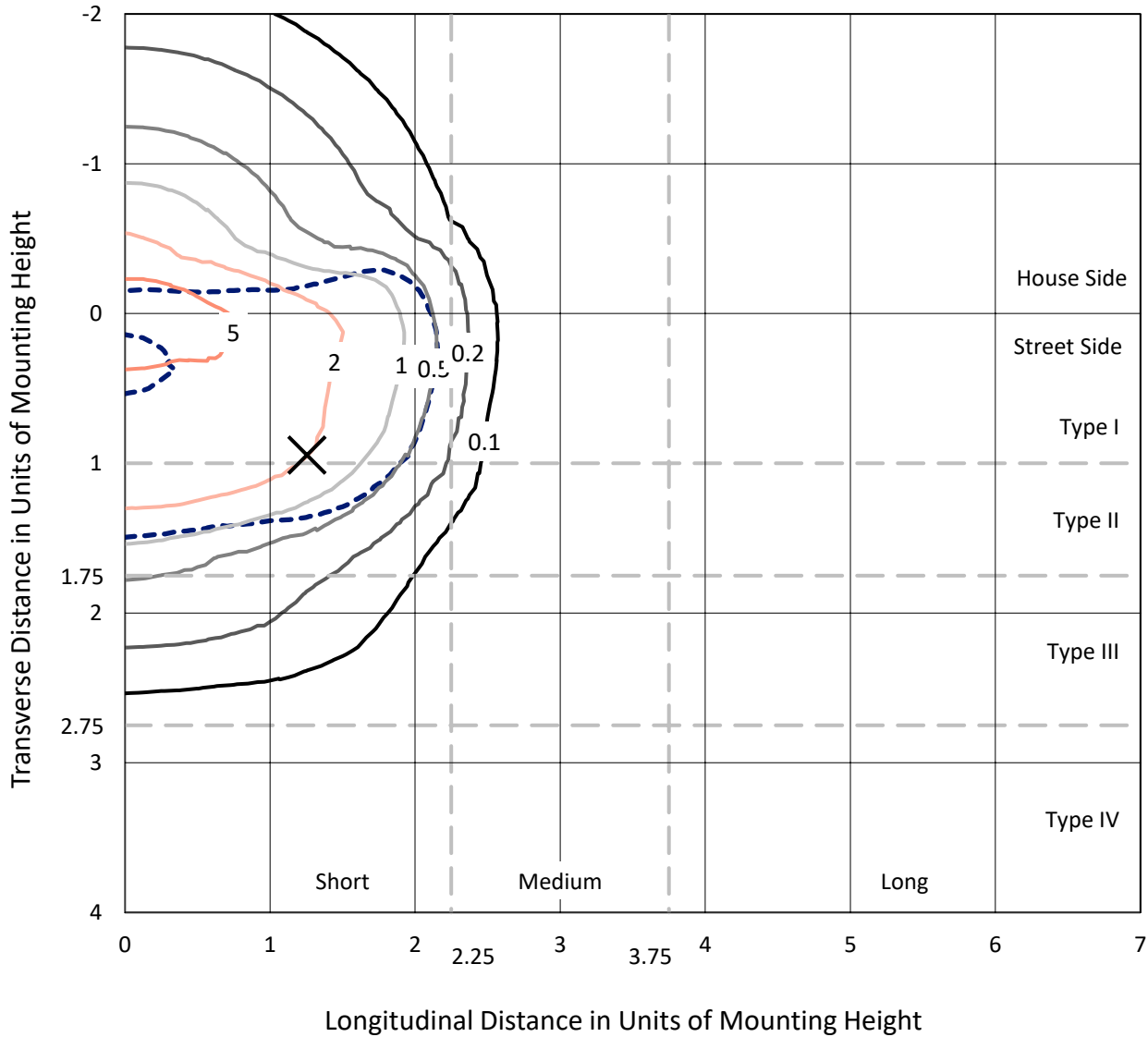
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629562
 CATALOG NUMBER: GWS-SA1B-830-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

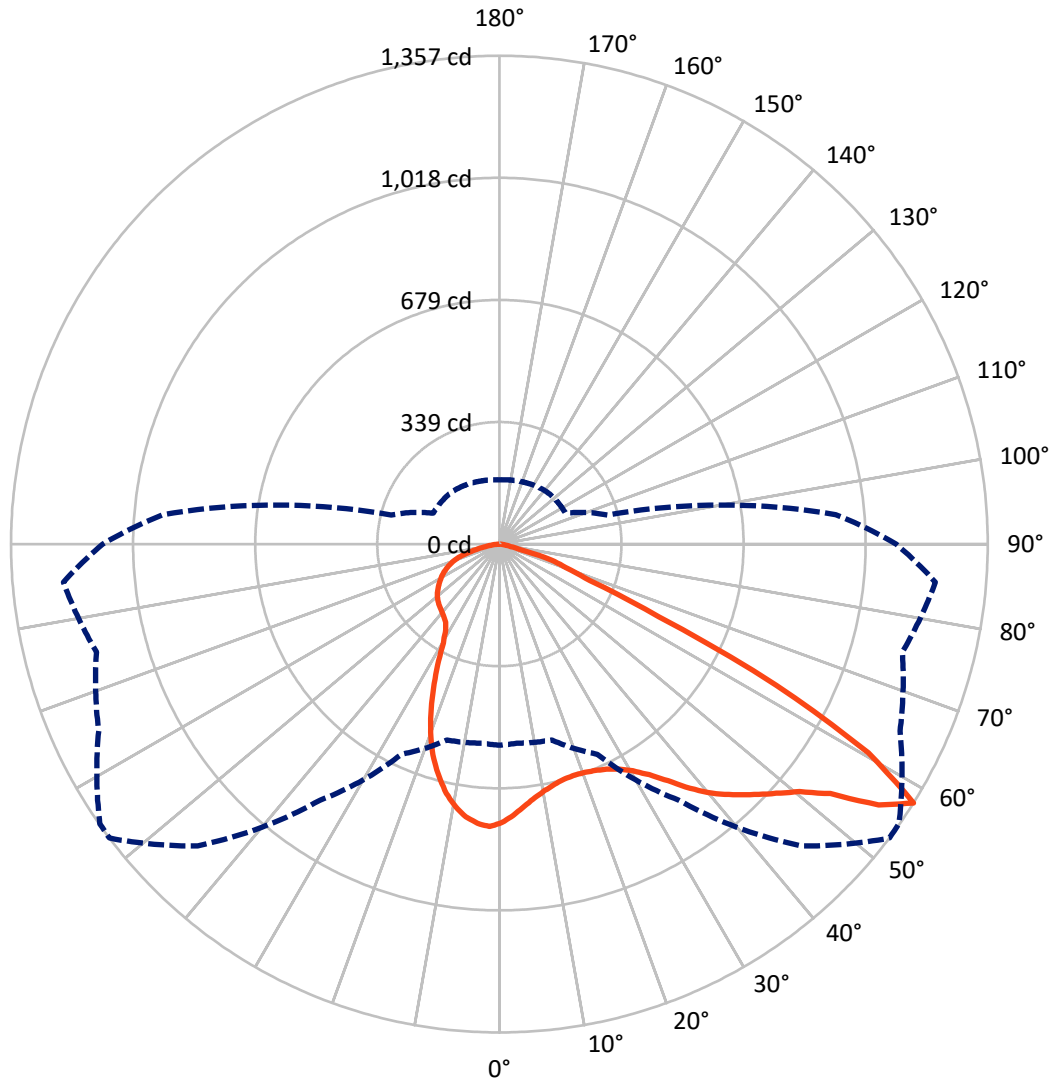
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

REPORT NUMBER: P629562
CATALOG NUMBER: GWS-SA1B-830-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA1B-830-U-SL2-W-GRSWH

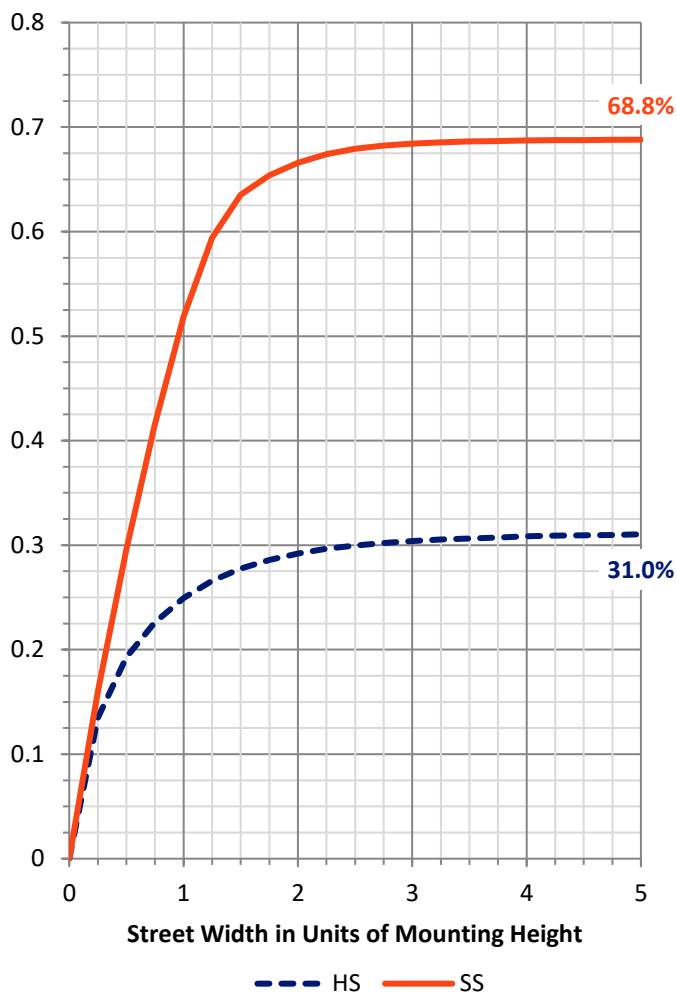
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.2	0.0	758.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	1666.7	0.0	1666.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	2424.9	0.0	2424.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	2.9
10°-20°	183.7	7.6
20°-30°	270.7	11.2
30°-40°	378.9	15.6
40°-50°	498.0	20.5
50°-60°	584.0	24.1
60°-70°	344.0	14.2
70°-80°	85.6	3.5
80°-90°	10.0	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°	2424.9	100.0
0°-180°	2424.9	100.0

Coefficient of Utilization



REPORT NUMBER: P629562

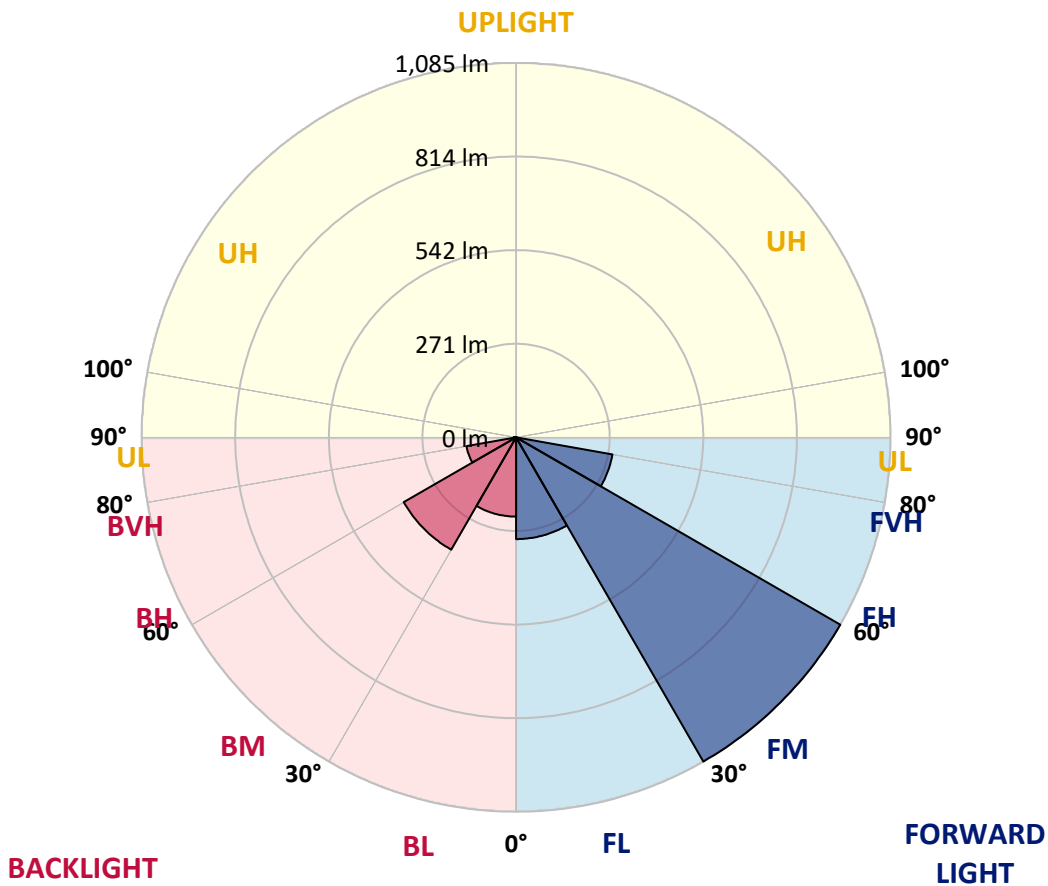
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.8	12.2			
FM (30°-60°)	1084.9	44.7			
FH (60°-80°)	283.6	11.7			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	229.6	9.5	B1/500		
BM (30°-60°)	375.9	15.5	B1/1000		
BH (60°-80°)	146.0	6.0	B1/500		G1/500
BVH (80°-90°)	6.7	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 II Short





REPORT NUMBER: P629562
 CATALOG NUMBER: GWS-SA1B-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3
2.5°	729.8	731.9	732.3	738.6	739.0	748.2	754.3	753.1	759.4	767.2	773.3
5°	694.9	695.1	697.2	704.7	708.8	720.9	731.1	731.1	743.3	759.2	772.9
7.5°	666.2	666.0	667.8	676.2	682.9	697.4	711.3	712.9	730.0	753.3	775.6
10°	639.4	640.9	642.9	653.1	661.7	679.6	696.2	698.8	720.5	749.2	779.2
12.5°	622.3	622.5	625.6	637.0	648.0	667.2	684.5	687.8	712.7	745.4	781.9
15°	611.3	611.5	614.7	627.4	640.2	659.6	677.4	681.1	708.2	744.7	787.0
17.5°	606.4	606.2	609.2	621.9	636.0	656.2	675.1	679.6	710.3	749.4	796.0
20°	606.4	606.6	608.2	619.6	633.9	655.3	677.4	682.9	718.2	760.0	809.8
22.5°	614.9	615.8	616.6	624.3	635.6	656.6	683.3	690.7	735.4	777.8	828.0
25°	631.7	631.9	632.7	639.0	644.1	660.0	693.1	704.1	762.1	803.7	850.9
27.5°	654.1	657.0	657.8	661.9	661.9	668.6	708.4	724.3	798.2	841.1	880.1
30°	685.6	686.6	688.0	692.5	687.6	684.7	730.9	751.3	840.1	886.2	915.2
32.5°	713.1	715.4	723.1	730.5	721.7	712.7	763.9	788.0	880.3	933.1	952.5
35°	736.6	742.1	757.0	773.3	767.2	758.2	807.8	832.9	913.3	966.8	985.6
37.5°	764.9	769.2	789.6	816.2	821.7	817.4	861.3	879.2	935.4	975.4	1003.5
40°	793.7	800.3	826.6	863.3	884.3	887.4	910.7	922.7	942.9	958.6	1000.1
42.5°	823.1	834.3	870.5	913.3	950.7	957.6	952.3	957.4	940.5	935.6	983.9
45°	859.0	872.3	913.1	967.8	1017.0	1027.8	993.1	988.4	940.1	926.8	973.9
47.5°	901.5	914.8	953.7	1017.4	1080.3	1088.2	1035.0	1026.4	954.3	940.3	987.4
50°	939.0	948.2	983.1	1054.4	1139.3	1144.0	1081.1	1070.7	989.9	977.6	1029.5
52.5°	900.9	899.9	936.6	1024.4	1169.9	1226.4	1152.1	1142.1	1058.4	1039.7	1094.6
55°	764.3	752.7	785.6	871.9	1084.4	1299.7	1279.5	1259.5	1149.9	1102.1	1155.6
57.5°	558.8	555.5	563.5	644.5	868.6	1186.2	1357.4	1355.6	1228.9	1159.3	1216.4
60°	437.0	432.1	410.8	413.1	592.1	926.6	1178.0	1232.1	1277.8	1193.5	1258.9
62.5°	388.0	384.3	373.3	342.9	352.7	621.3	863.5	913.1	1116.6	1054.2	1081.3
65°	321.2	320.2	329.4	328.2	295.5	343.1	487.4	537.4	702.1	710.9	702.1
67.5°	233.5	231.6	254.9	300.8	284.5	259.0	271.7	289.0	360.0	323.3	291.0
70°	151.8	149.2	162.7	217.4	254.7	225.7	195.7	192.9	198.0	123.1	133.1
72.5°	101.8	98.8	98.6	119.6	153.9	152.1	151.6	150.2	134.1	97.1	107.8
75°	56.7	54.3	53.7	51.6	55.1	56.1	59.8	61.8	66.9	73.7	81.6
77.5°	9.6	9.4	11.8	15.1	20.8	26.7	33.1	34.9	43.1	51.0	56.1
80°	5.3	5.5	7.1	8.8	11.6	15.9	20.4	21.6	26.5	30.8	34.9
82.5°	2.9	2.9	3.7	4.7	6.3	8.4	11.0	12.0	15.3	18.0	20.8
85°	1.0	1.0	1.4	1.8	2.7	3.5	4.3	4.9	6.7	9.2	10.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.8	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



REPORT NUMBER: P629562
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3
2.5°	778.4	772.9	780.5	783.9	785.2	786.0	780.7	777.0	775.8	771.9	769.6
5°	781.3	777.6	784.7	784.7	779.6	774.3	763.5	756.0	750.7	744.3	743.3
7.5°	786.2	783.5	787.4	779.4	766.6	752.3	733.5	718.8	707.0	699.2	699.4
10°	792.7	789.4	786.4	768.6	745.2	718.8	690.0	668.6	649.0	640.0	635.1
12.5°	797.0	792.3	779.4	750.0	715.6	680.2	639.6	607.8	579.4	566.6	565.5
15°	802.3	793.7	768.0	726.0	678.0	629.8	577.6	533.3	494.9	474.9	473.9
17.5°	809.2	795.2	754.3	698.4	638.4	567.4	501.7	445.9	405.1	389.6	392.3
20°	819.0	796.8	738.8	667.8	589.2	496.4	414.5	363.3	347.6	346.6	344.5
22.5°	830.1	797.8	721.7	633.5	529.6	420.6	342.5	320.6	320.4	325.5	326.8
25°	842.5	798.6	702.3	593.5	465.1	345.1	302.9	296.3	301.4	311.0	312.3
27.5°	858.4	800.3	678.8	549.6	396.6	298.2	281.0	279.4	285.5	294.5	294.1
30°	881.9	806.2	653.9	499.2	326.1	275.9	267.8	268.0	270.4	274.7	275.3
32.5°	905.8	815.4	629.6	442.5	285.7	263.3	259.6	259.2	259.2	261.0	261.4
35°	928.4	825.8	603.3	383.3	266.1	255.9	253.5	252.3	251.6	251.2	250.6
37.5°	941.1	830.9	577.6	324.9	255.7	251.0	248.6	247.0	244.7	243.1	242.7
40°	935.6	825.0	547.8	281.2	249.4	246.3	243.5	241.2	238.2	236.8	235.9
42.5°	917.2	806.6	515.3	260.6	244.3	241.2	237.8	234.1	232.1	230.8	230.6
45°	897.8	784.3	476.2	248.6	239.4	235.7	231.6	227.6	225.3	224.7	224.5
47.5°	897.2	773.3	434.5	239.0	233.5	229.8	224.7	220.6	218.2	217.4	216.5
50°	924.1	784.5	387.6	230.6	227.4	223.5	217.8	213.3	210.2	209.2	209.0
52.5°	980.1	826.8	345.5	222.3	219.2	214.7	210.0	205.5	201.8	200.0	199.8
55°	1040.5	880.5	319.4	213.7	209.6	205.7	201.4	196.5	192.5	189.6	189.2
57.5°	1102.9	939.0	311.4	202.9	199.8	197.2	192.1	186.7	182.1	179.4	178.8
60°	1154.4	989.5	326.3	191.4	189.8	186.3	181.6	176.5	173.3	171.2	170.8
62.5°	966.4	805.6	263.5	179.0	179.0	175.3	170.0	166.3	164.1	162.7	162.3
65°	613.3	498.8	179.8	166.5	166.3	161.4	156.9	154.5	153.5	151.2	150.8
67.5°	267.2	228.0	153.7	153.9	153.1	147.8	143.3	141.4	139.4	136.9	136.7
70°	138.6	141.2	137.6	139.8	138.4	132.0	127.8	124.9	120.6	118.2	118.4
72.5°	111.8	114.7	118.8	122.3	119.2	114.1	107.4	103.9	98.4	95.7	95.9
75°	85.3	88.4	92.3	95.9	93.5	87.1	82.9	79.4	73.1	70.0	70.6
77.5°	58.8	60.4	65.1	64.9	64.1	62.2	55.9	51.8	45.3	41.6	42.0
80°	36.5	37.6	39.8	40.8	40.4	38.0	32.9	29.8	25.9	23.7	23.9
82.5°	22.0	22.7	24.7	24.9	24.7	22.9	19.0	16.7	14.3	13.1	13.1
85°	11.2	11.6	12.9	12.9	11.6	9.8	8.8	7.8	6.3	5.7	5.7
87.5°	3.1	3.1	3.9	3.3	2.7	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)