

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: P629589

Luminaire Tested: GWS-SA1B-830-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 2430 lumens
Efficiency: N/A
Efficacy: 97.2 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

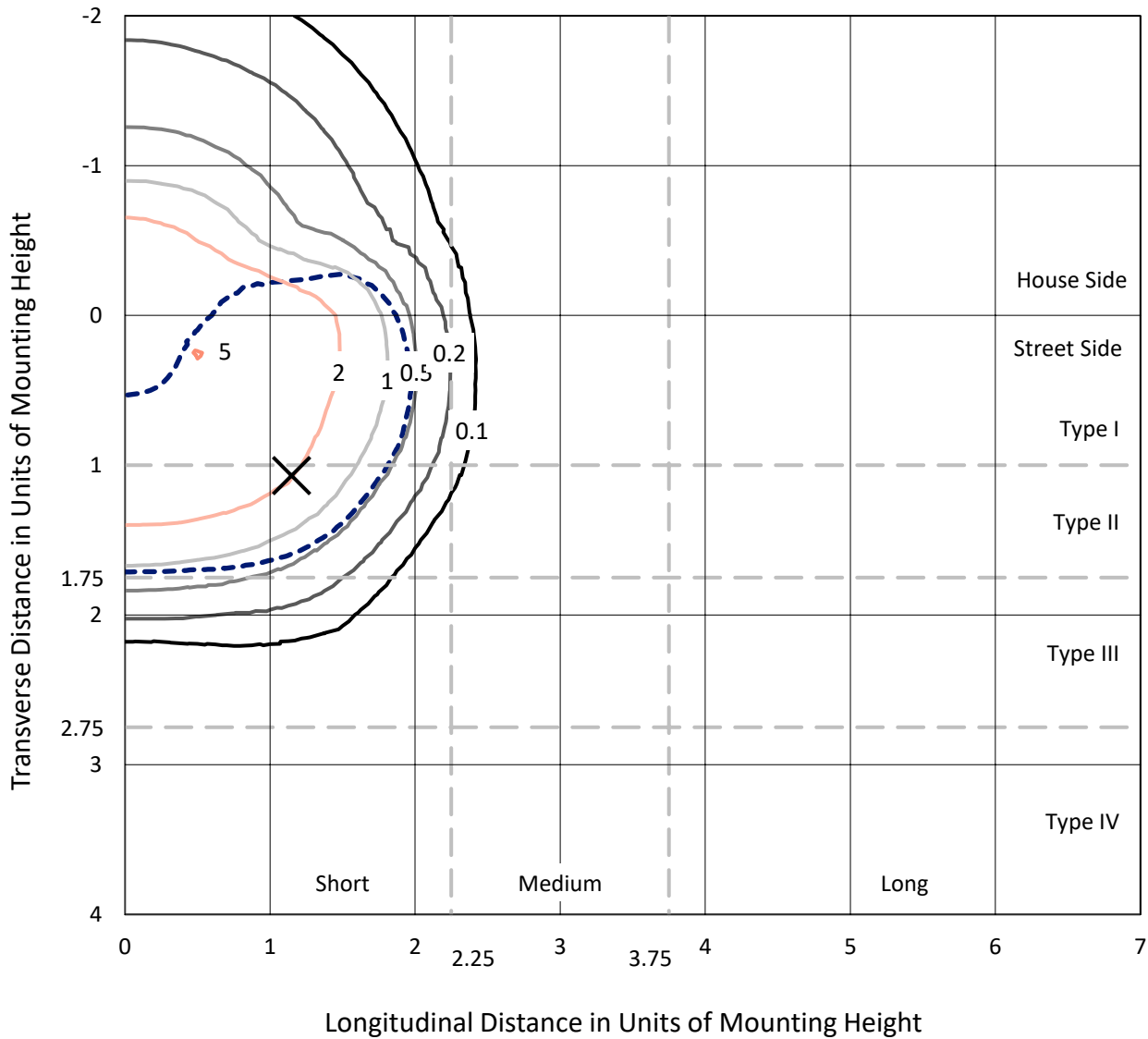
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

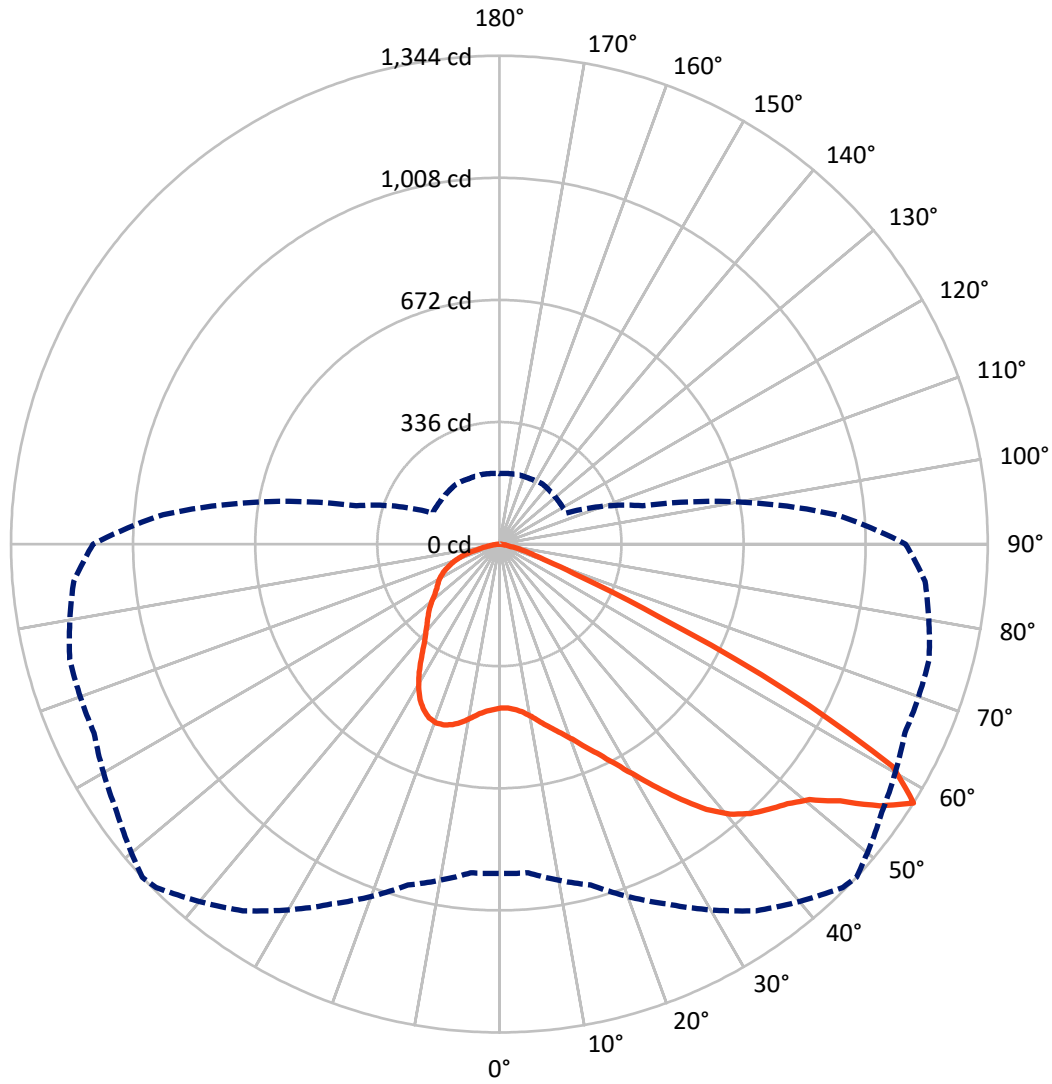
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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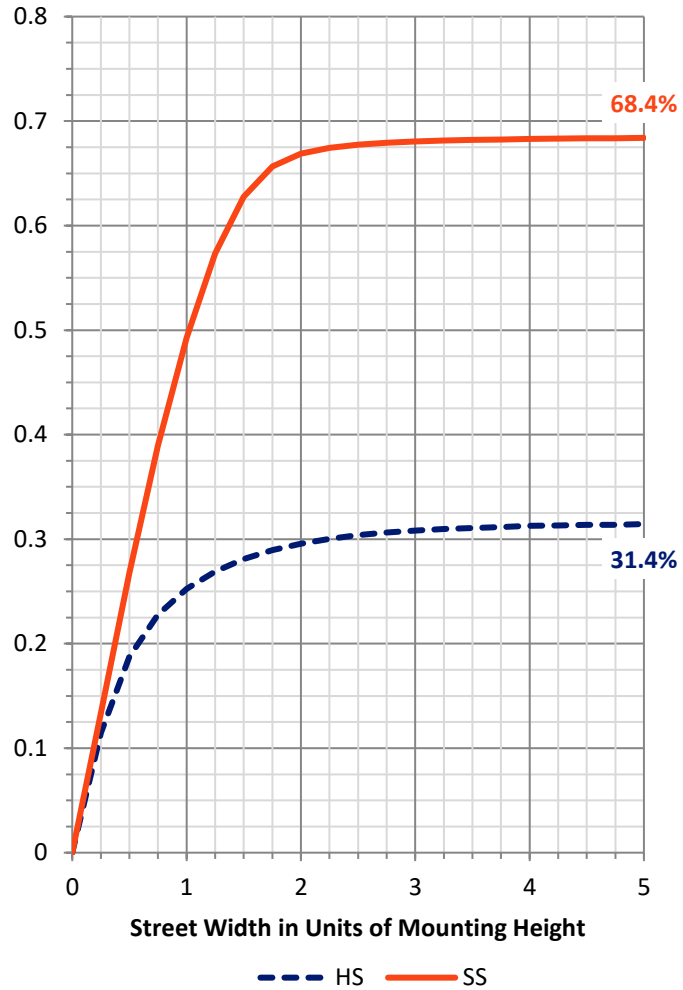
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	769.1	0.0	769.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	1660.9	0.0	1660.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	2430.0	0.0	2430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.8
10°-20°	146.2	6.0
20°-30°	263.2	10.8
30°-40°	397.6	16.4
40°-50°	535.4	22.0
50°-60°	643.4	26.5
60°-70°	313.3	12.9
70°-80°	77.2	3.2
80°-90°	9.3	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°	2430.0	100.0
0°-180°	2430.0	100.0

Coefficient of Utilization



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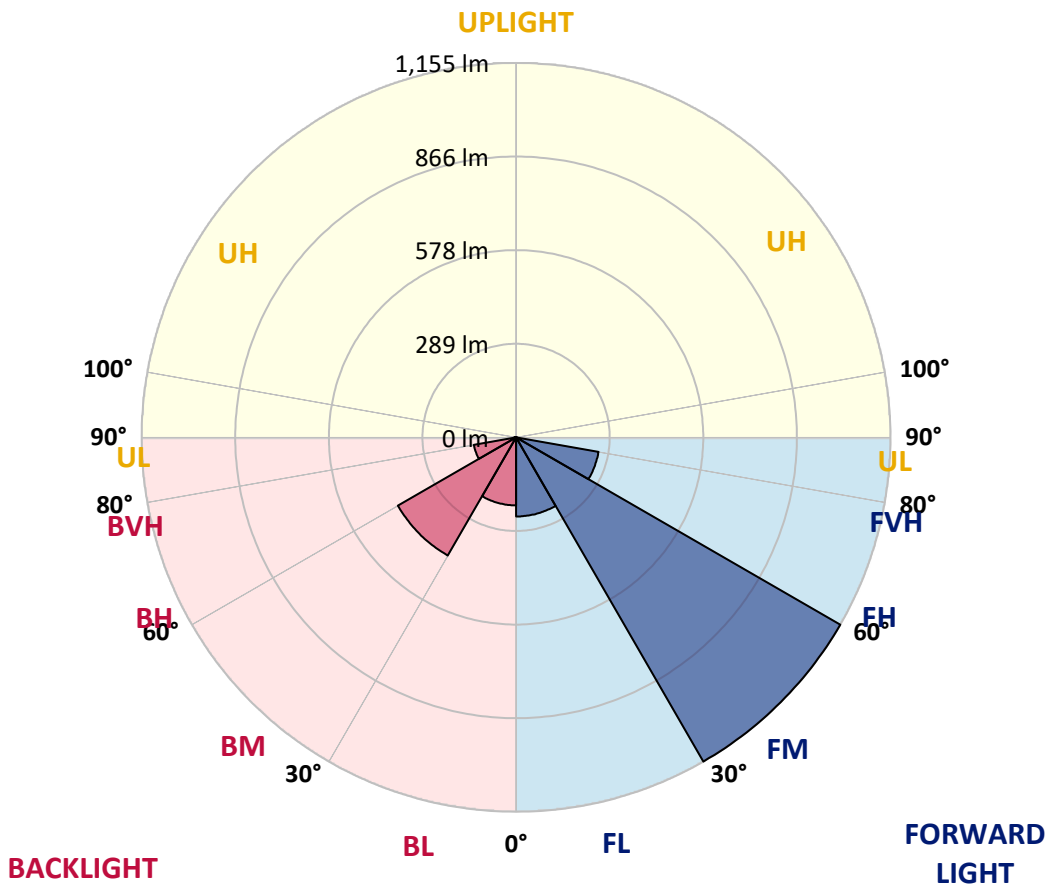
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.1	10.0			
FM (30°-60°)	1155.1	47.5			
FH (60°-80°)	258.2	10.6			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	209.8	8.6	B1/500		
BM (30°-60°)	421.2	17.3	B1/1000		
BH (60°-80°)	132.3	5.4	B1/500		G1/500
BVH (80°-90°)	5.8	0.2			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°	47°	55°	65°	75°	85°
0°	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6
2.5°	449.8	449.6	449.6	450.9	450.9	451.3	451.9	452.5	452.7	451.7	449.4
5°	454.7	454.7	454.7	455.7	455.7	456.2	457.0	457.2	457.0	455.3	453.1
7.5°	462.5	462.5	462.7	463.9	464.9	465.5	467.0	466.8	466.2	463.5	460.6
10°	475.1	475.8	476.4	477.8	479.8	481.3	482.3	482.3	481.5	477.4	473.7
12.5°	493.1	493.9	494.5	495.8	497.4	499.8	502.1	502.1	501.1	496.0	490.4
15°	514.1	514.9	514.7	515.1	518.2	521.7	523.5	524.7	525.1	518.0	509.4
17.5°	538.2	539.0	538.2	537.0	537.4	542.9	546.2	550.7	553.3	543.7	530.0
20°	560.0	559.2	559.2	560.0	561.3	568.0	572.9	580.2	583.5	571.9	550.7
22.5°	583.1	584.9	584.1	584.1	589.0	600.3	606.2	615.8	619.2	604.1	575.6
25°	612.9	614.5	614.1	614.5	620.3	636.2	642.1	659.8	663.3	641.7	603.1
27.5°	645.6	648.2	649.4	649.0	658.2	679.0	686.4	711.1	717.4	683.7	632.5
30°	688.0	690.9	691.9	691.5	702.3	730.7	739.0	767.2	776.2	733.5	669.8
32.5°	737.2	740.1	743.1	744.3	758.2	787.2	799.2	828.4	841.3	791.1	715.0
35°	786.0	788.4	794.3	803.9	822.9	852.5	863.1	891.9	904.4	850.9	769.4
37.5°	839.9	841.5	846.6	859.9	887.2	915.4	926.0	953.5	955.0	908.6	831.1
40°	898.8	898.8	897.8	910.9	939.5	967.8	977.0	992.9	984.6	953.1	891.1
42.5°	948.8	948.0	948.8	961.1	982.3	1005.4	1013.3	1010.3	999.7	987.2	945.4
45°	994.0	994.6	1001.9	1011.3	1022.3	1036.0	1040.7	1023.3	1013.8	1014.6	988.9
47.5°	1024.6	1025.2	1042.3	1058.0	1064.8	1069.1	1067.0	1042.9	1038.0	1047.2	1022.3
50°	1028.7	1031.9	1061.5	1093.8	1110.5	1111.1	1105.4	1076.0	1074.6	1085.0	1040.3
52.5°	1029.5	1032.7	1069.7	1127.8	1171.3	1180.5	1174.0	1143.4	1128.5	1118.0	1062.3
55°	1026.4	1030.1	1070.9	1150.7	1234.0	1270.7	1271.3	1228.1	1180.5	1173.6	1125.2
57.5°	906.2	907.6	970.9	1092.5	1231.5	1335.6	1343.6	1284.8	1230.5	1224.0	1175.6
60°	631.3	637.0	705.8	866.4	1034.6	1218.1	1243.8	1226.6	1190.3	1142.7	1008.6
62.5°	316.1	321.0	390.0	541.9	713.5	858.4	886.0	904.2	912.7	861.7	686.8
65°	136.1	139.8	182.7	283.1	403.9	473.9	483.5	505.3	558.8	498.6	370.0
67.5°	91.0	93.5	115.3	172.7	238.0	242.5	241.0	245.7	257.4	212.5	167.2
70°	69.8	71.8	86.5	126.5	171.0	146.3	138.6	125.7	136.5	139.2	135.5
72.5°	50.6	52.2	63.3	86.3	107.2	93.5	92.3	98.8	113.5	117.6	115.3
75°	32.7	33.5	40.2	47.4	55.3	60.0	62.5	74.3	89.2	92.3	89.6
77.5°	21.8	22.5	26.3	30.4	31.4	31.6	32.5	37.8	48.0	53.7	53.1
80°	11.4	11.4	12.9	12.9	14.7	17.6	18.4	21.8	26.5	29.4	29.6
82.5°	4.5	4.7	5.5	6.1	7.3	9.0	9.6	11.4	13.9	15.9	17.8
85°	1.8	2.0	2.2	2.7	3.3	4.1	4.3	4.9	6.5	8.2	9.2
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	0.6	0.8	1.0	1.8	2.4
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°	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6
2.5°	452.1	449.4	452.1	452.9	455.1	456.0	454.5	454.3	454.3	452.3	451.7
5°	455.1	452.7	455.3	456.6	459.8	461.9	462.3	463.9	464.9	464.1	463.9
7.5°	462.7	459.6	462.5	464.3	468.6	471.9	473.3	477.0	479.6	479.2	479.0
10°	476.0	471.9	475.1	478.2	482.9	486.8	487.0	489.0	491.7	490.9	490.4
12.5°	491.3	487.4	491.1	494.1	499.6	501.3	498.6	497.8	498.2	497.2	496.4
15°	510.0	504.5	507.8	511.3	514.3	512.5	506.8	504.5	504.3	502.9	502.1
17.5°	528.8	521.9	524.3	526.2	524.7	519.0	511.9	508.0	506.2	503.3	502.5
20°	547.4	538.6	538.2	536.8	530.2	519.8	510.2	502.5	497.8	493.9	492.5
22.5°	568.6	556.4	550.2	543.7	529.4	512.5	498.0	487.0	479.4	474.5	472.9
25°	591.5	574.1	561.5	548.4	521.3	496.8	476.6	461.5	452.5	447.2	445.3
27.5°	614.1	590.2	571.3	549.0	504.9	474.1	447.0	426.6	417.6	413.3	411.9
30°	644.7	611.7	582.9	541.1	483.5	442.7	408.8	388.2	382.3	379.2	378.0
32.5°	680.1	638.8	598.4	524.3	456.2	405.9	370.2	355.9	351.9	345.9	345.7
35°	726.6	677.6	613.1	499.6	421.7	366.6	340.6	330.4	323.1	313.7	312.9
37.5°	780.9	726.0	621.1	468.2	381.5	334.1	318.6	307.2	295.3	282.9	281.2
40°	837.0	782.5	621.7	431.1	342.1	312.7	299.6	284.7	270.0	256.1	254.3
42.5°	896.0	835.2	610.9	388.2	309.8	294.1	280.8	262.1	245.5	236.1	235.1
45°	948.6	877.6	586.4	343.1	285.9	278.6	261.7	241.4	232.7	225.9	224.5
47.5°	990.1	905.8	553.3	302.7	266.6	262.7	240.6	230.2	223.5	217.4	215.9
50°	1010.5	912.1	510.2	269.8	248.6	243.9	228.8	220.8	216.3	211.4	210.2
52.5°	1035.8	919.3	473.1	242.3	231.0	224.7	219.0	212.7	209.4	206.3	205.3
55°	1094.0	946.2	453.5	220.2	214.3	211.4	210.6	205.3	204.3	202.3	200.4
57.5°	1117.6	928.8	407.2	202.3	201.0	201.4	203.5	198.6	197.6	195.1	193.9
60°	898.8	702.1	275.7	186.7	190.0	192.7	194.7	189.8	188.4	188.0	186.3
62.5°	576.0	431.9	192.5	172.3	177.2	180.4	181.6	177.0	175.9	179.2	179.4
65°	299.8	235.3	156.1	156.7	160.8	165.7	168.2	166.5	166.1	169.6	169.8
67.5°	153.1	143.9	136.1	138.4	141.6	148.0	153.7	160.8	163.3	163.7	163.9
70°	130.4	126.3	122.5	123.9	127.4	130.8	136.3	139.8	135.7	134.7	134.3
72.5°	111.0	108.0	106.1	107.8	109.6	109.0	107.4	109.0	109.6	109.8	110.0
75°	86.3	84.1	82.7	82.9	82.9	80.6	77.6	75.7	73.7	72.0	72.0
77.5°	52.9	53.3	54.7	54.5	54.3	53.5	50.4	48.8	43.9	42.5	42.5
80°	30.2	30.8	32.2	32.7	32.7	31.6	28.6	26.7	24.5	23.5	23.3
82.5°	18.4	19.2	20.0	20.4	20.6	19.4	16.7	15.3	14.1	13.1	13.1
85°	9.6	10.0	10.8	11.0	10.4	9.2	7.8	7.1	5.9	5.7	5.7
87.5°	2.7	2.9	3.3	2.7	2.4	1.8	1.0	0.8	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)