

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: P629141

Luminaire Tested: GWS-SA1B-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2201 lumens
Efficiency: N/A
Efficacy: 88.0 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

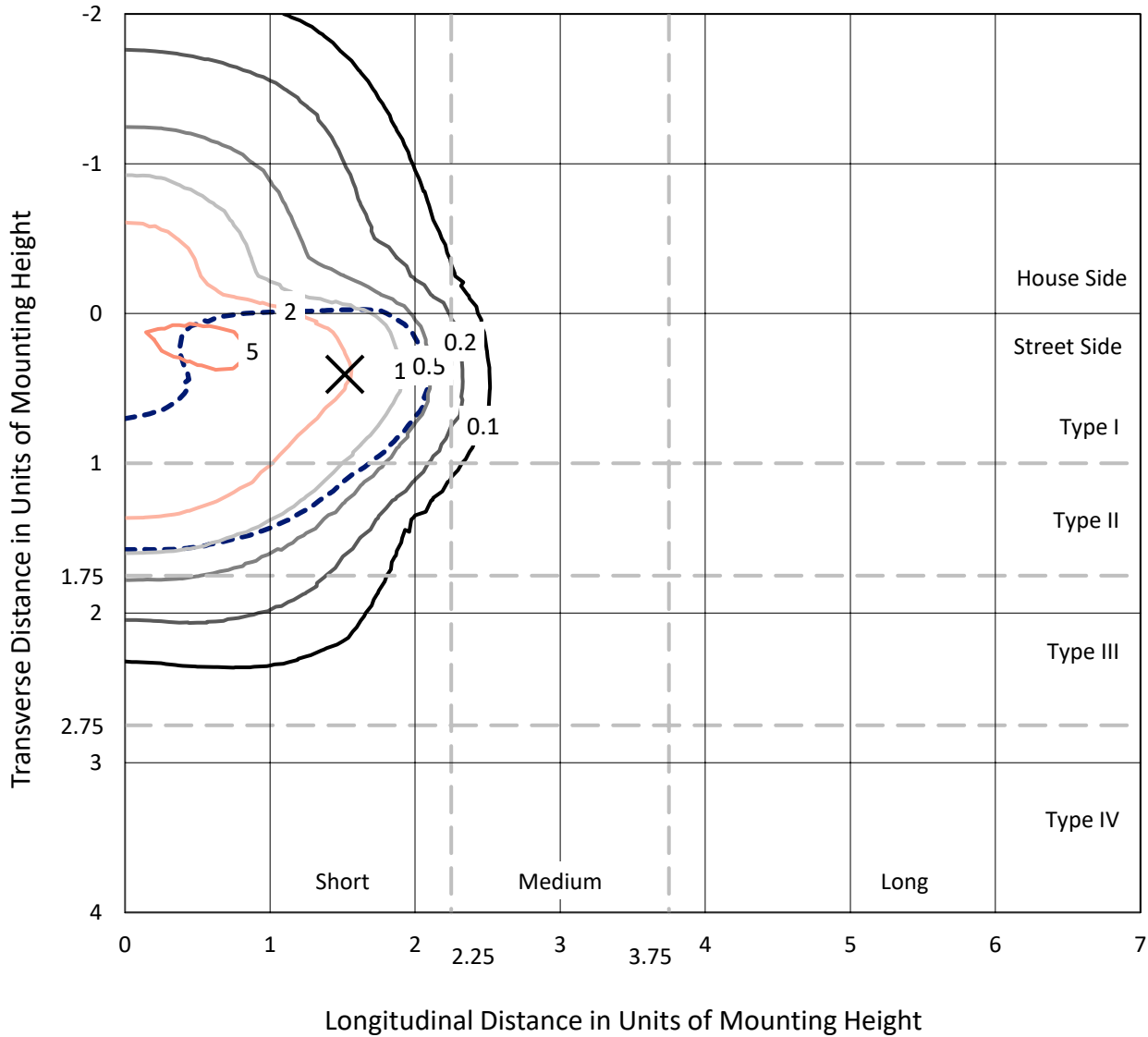
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

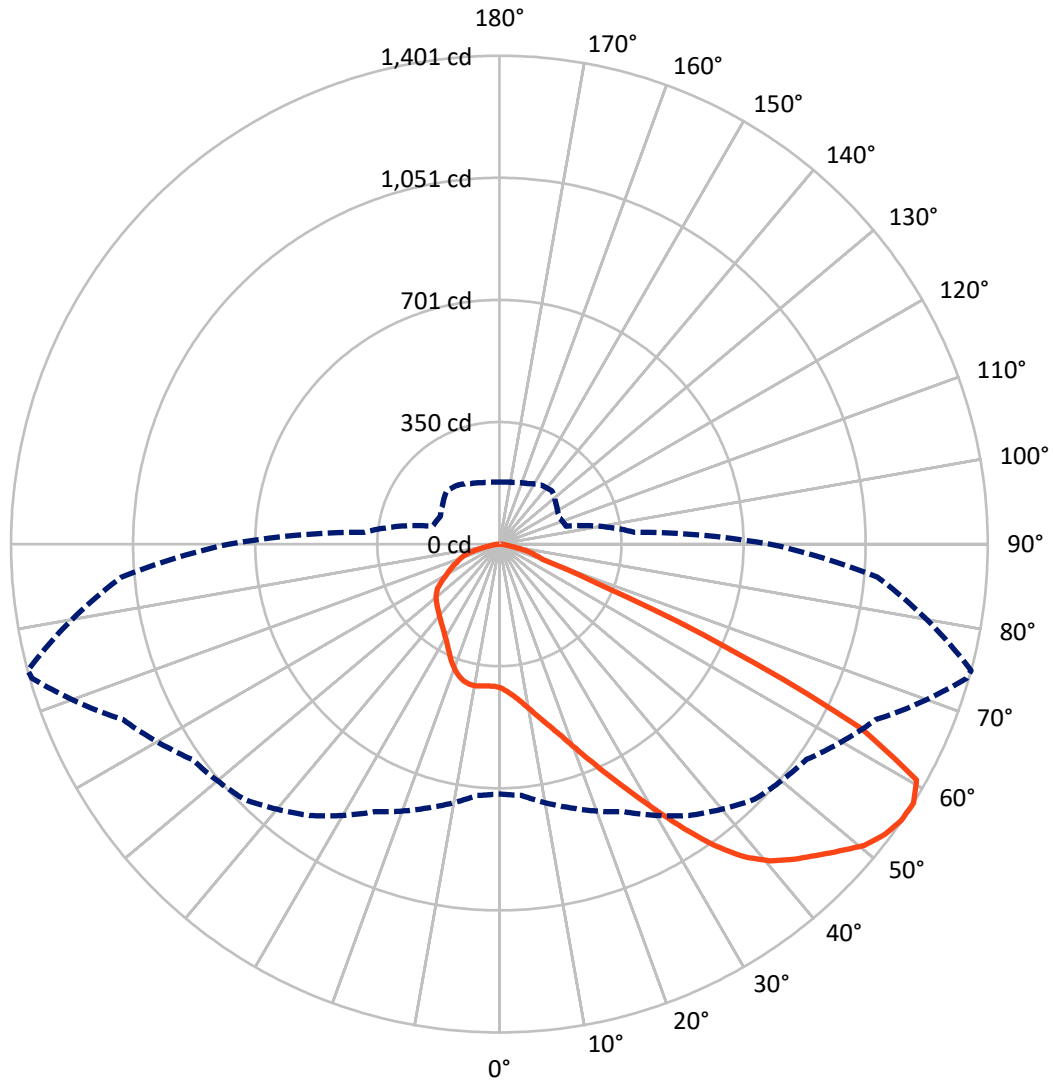
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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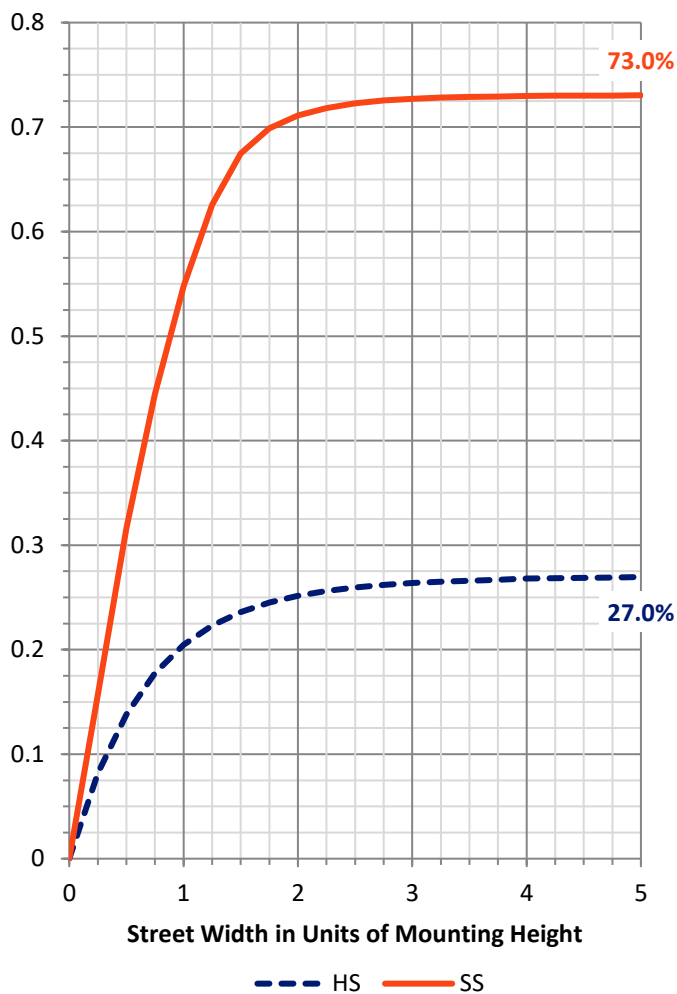
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.4	0.0	595.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	1605.6	0.0	1605.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	2201.0	0.0	2201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.9
10°-20°	131.3	6.0
20°-30°	232.9	10.6
30°-40°	356.5	16.2
40°-50°	496.4	22.6
50°-60°	568.8	25.8
60°-70°	292.3	13.3
70°-80°	73.6	3.3
80°-90°	7.9	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°	2201.0	100.0
0°-180°	2201.0	100.0

Coefficient of Utilization



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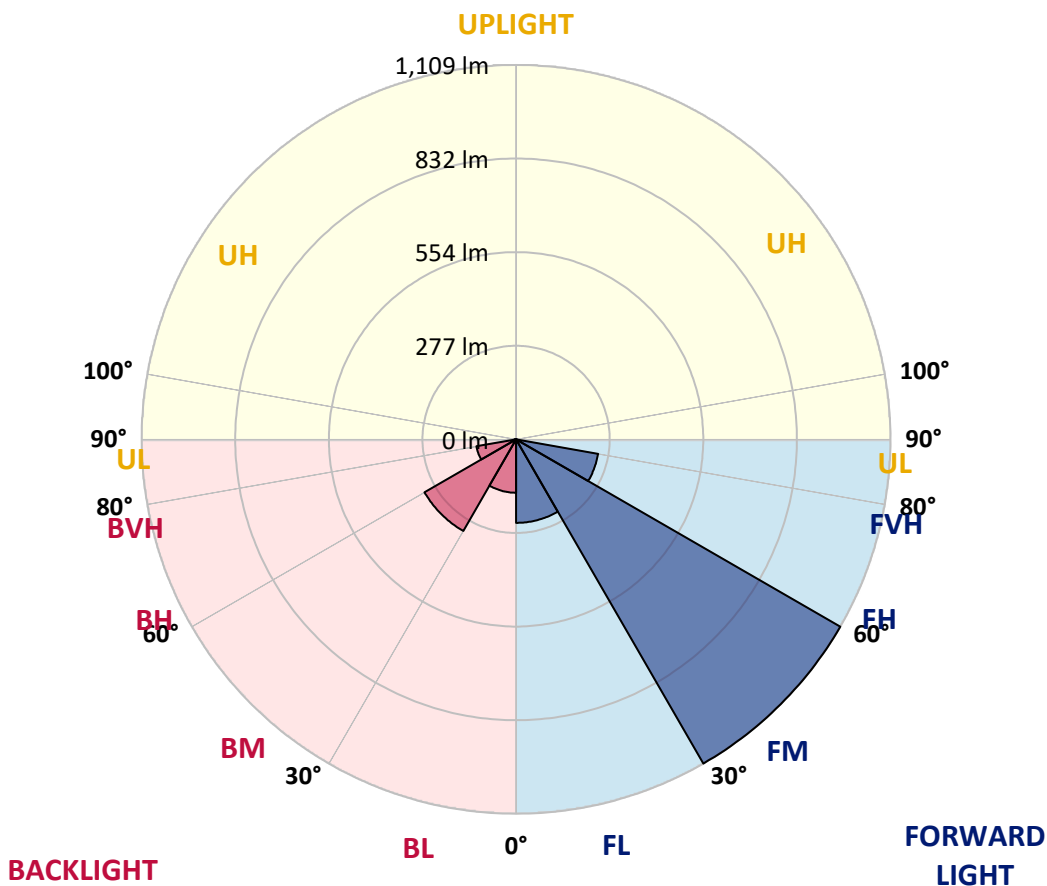
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.3	11.2			
FM (30°-60°)	1108.7	50.4			
FH (60°-80°)	246.7	11.2			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	158.2	7.2	B1/500		
BM (30°-60°)	313.1	14.2	B1/1000		
BH (60°-80°)	119.1	5.4	B1/500		G1/500
BVH (80°-90°)	5.0	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°	55°	65°	74°	75°	85°
0°	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2
2.5°	442.9	444.0	442.9	444.7	441.0	439.3	435.1	428.8	423.9	423.2	417.7
5°	477.3	479.8	478.2	477.5	472.4	468.6	462.3	449.9	439.6	438.1	427.3
7.5°	499.4	501.1	501.1	501.7	499.8	495.5	488.8	474.1	459.7	457.4	441.2
10°	506.8	508.1	510.6	515.3	519.1	520.4	516.1	501.9	484.3	482.0	459.3
12.5°	508.5	510.0	513.8	522.5	532.9	542.4	543.2	532.7	513.1	510.6	480.3
15°	511.7	513.3	518.4	529.2	544.5	562.7	573.8	566.6	544.9	542.2	504.2
17.5°	511.4	513.1	520.6	535.0	555.6	582.0	603.5	606.6	584.0	579.5	531.2
20°	510.4	511.9	520.1	537.7	563.2	599.4	638.4	654.1	629.8	625.7	562.8
22.5°	518.0	519.7	525.9	540.5	567.2	612.8	670.5	708.4	684.2	678.3	599.2
25°	535.0	537.5	541.3	551.3	574.4	624.7	703.5	769.9	745.1	738.1	638.7
27.5°	561.3	564.4	569.7	574.4	590.5	639.9	736.2	838.8	814.0	806.6	680.6
30°	593.5	597.5	604.3	607.5	618.5	662.2	771.8	909.7	895.4	885.1	727.7
32.5°	638.0	643.5	649.9	650.8	657.5	696.1	807.0	980.1	980.0	972.8	781.2
35°	695.9	701.8	703.1	704.4	707.6	742.6	849.6	1044.3	1069.1	1060.8	839.5
37.5°	759.1	767.6	769.7	763.8	768.4	798.7	897.4	1095.8	1146.7	1137.8	895.9
40°	826.7	830.1	835.7	826.5	832.1	862.8	944.4	1128.7	1204.6	1195.1	940.4
42.5°	875.1	881.4	889.9	886.5	889.7	917.7	977.3	1144.6	1245.9	1236.4	972.4
45°	927.7	929.6	935.1	934.3	936.2	962.4	1001.0	1151.6	1282.8	1274.2	999.6
47.5°	973.5	976.4	980.0	975.8	971.6	988.7	1020.3	1157.7	1325.3	1315.1	1028.2
50°	1017.6	1020.1	1024.4	1012.3	996.8	1001.2	1029.7	1166.0	1365.3	1358.1	1050.7
52.5°	1025.8	1028.4	1048.8	1051.3	1031.4	1016.1	1046.4	1184.3	1388.7	1384.2	1058.9
55°	923.4	928.1	968.8	1015.5	1064.6	1059.6	1073.1	1194.0	1398.0	1399.2	1073.4
57.5°	716.7	723.5	782.9	847.1	950.2	1035.6	1076.5	1191.5	1394.8	1401.0	1088.4
60°	470.1	474.1	544.5	616.4	723.3	841.4	963.5	1147.3	1366.2	1375.1	1084.6
62.5°	283.9	288.4	345.0	399.5	462.5	541.5	653.5	922.0	1145.2	1165.0	868.7
65°	198.1	204.2	253.8	298.6	320.4	304.1	331.0	515.0	713.5	721.8	530.9
67.5°	143.6	147.8	188.5	241.9	265.9	214.8	163.7	228.1	310.8	313.8	219.0
70°	94.1	98.8	135.7	184.1	217.1	174.1	122.4	123.4	130.8	132.3	127.2
72.5°	51.7	54.5	83.8	122.3	128.3	104.1	95.6	102.6	107.7	107.7	109.0
75°	26.7	29.1	34.3	40.3	48.6	57.0	68.9	79.3	84.8	85.2	84.6
77.5°	13.6	14.6	18.4	19.9	21.8	25.4	32.9	42.2	47.1	49.0	48.6
80°	6.4	6.8	7.8	9.1	11.2	14.2	17.8	21.2	24.2	24.6	26.7
82.5°	3.4	3.8	4.2	4.9	6.1	7.6	10.4	12.5	14.4	14.8	16.5
85°	1.3	1.5	1.7	1.9	2.6	3.2	4.4	5.9	7.2	7.2	8.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.9	1.3	1.3	2.3
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°	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2
2.5°	416.4	410.9	408.4	404.4	401.2	397.6	394.8	392.7	391.4	390.6	389.9
5°	423.2	414.8	408.2	400.3	394.8	389.5	385.1	382.1	380.6	379.5	378.7
7.5°	433.8	422.6	410.1	397.8	388.2	379.6	374.2	370.9	368.9	368.1	367.5
10°	448.3	432.8	412.2	392.7	378.3	369.0	365.3	363.7	363.9	363.6	363.4
12.5°	464.8	443.6	411.6	383.6	367.7	362.2	362.4	364.9	367.7	368.5	368.7
15°	482.6	454.2	406.1	371.9	359.4	360.0	364.9	370.7	376.0	378.1	378.5
17.5°	501.9	463.1	396.1	359.0	352.6	358.6	367.7	377.4	385.1	388.5	389.5
20°	523.5	470.7	381.9	346.3	346.1	356.2	369.4	382.1	391.9	396.5	397.2
22.5°	546.4	475.4	364.5	334.6	339.5	353.0	368.1	381.3	391.8	396.3	397.2
25°	569.5	476.9	345.4	323.8	332.7	347.8	361.7	372.3	382.1	386.1	386.8
27.5°	591.0	472.6	327.2	314.5	326.5	340.3	349.6	355.2	362.0	365.1	365.6
30°	613.0	463.9	311.9	307.2	319.5	329.9	334.0	334.4	337.1	337.1	337.4
32.5°	635.1	451.0	298.5	300.0	310.8	317.6	318.1	313.8	310.6	305.3	305.1
35°	660.7	437.9	287.5	291.8	300.5	304.7	303.0	294.7	286.9	278.2	277.8
37.5°	684.3	424.5	278.2	283.5	289.0	292.0	288.0	278.0	271.6	262.7	261.4
40°	703.8	412.4	269.3	274.8	277.4	280.1	273.7	265.5	266.5	261.5	261.4
42.5°	715.2	400.6	261.0	265.1	266.8	268.7	263.1	257.0	262.1	258.3	258.5
45°	723.5	390.4	253.4	254.9	259.1	261.9	256.6	249.8	251.0	236.4	233.0
47.5°	733.0	384.8	246.2	244.7	252.1	257.0	248.9	239.0	232.2	217.8	216.5
50°	743.0	382.7	238.6	234.5	243.4	248.1	238.6	226.3	217.5	209.7	208.9
52.5°	746.4	382.5	229.2	222.2	231.1	237.7	229.8	217.3	206.7	199.1	198.7
55°	759.9	388.0	217.1	205.3	213.7	227.3	221.4	203.4	194.9	191.5	191.1
57.5°	775.6	388.9	198.0	187.0	198.5	214.6	207.2	191.7	182.4	178.3	177.9
60°	769.1	365.6	177.5	173.0	185.7	202.7	195.9	182.4	171.7	167.7	167.3
62.5°	586.1	258.1	162.6	160.9	171.8	185.5	184.1	170.1	159.9	157.1	156.7
65°	352.6	181.3	148.2	148.0	155.8	168.8	170.5	159.2	148.4	144.4	144.4
67.5°	174.3	138.7	131.9	131.0	135.9	145.2	152.3	143.1	134.0	130.2	129.6
70°	123.2	122.3	120.0	117.3	118.3	122.1	125.1	117.3	107.7	103.9	103.1
72.5°	106.5	106.7	105.2	103.1	102.4	99.7	97.1	91.4	85.5	81.6	81.9
75°	82.7	83.1	84.0	83.3	81.2	78.4	75.5	68.3	63.6	59.8	59.0
77.5°	48.3	50.2	53.2	52.4	52.8	48.8	47.7	40.7	36.3	33.7	33.1
80°	27.3	28.4	29.7	30.7	29.5	27.8	25.4	21.6	20.3	18.4	18.0
82.5°	16.5	17.6	18.2	18.9	18.5	16.3	14.4	11.9	10.8	9.8	9.7
85°	8.3	9.1	9.7	10.0	8.9	7.4	6.6	5.3	4.5	4.0	4.0
87.5°	2.1	2.3	2.6	2.3	2.1	0.9	0.8	0.2	0.0	0.0	0.0
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)