

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: P629283

Luminaire Tested: GWS-SA1B-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2291.1 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

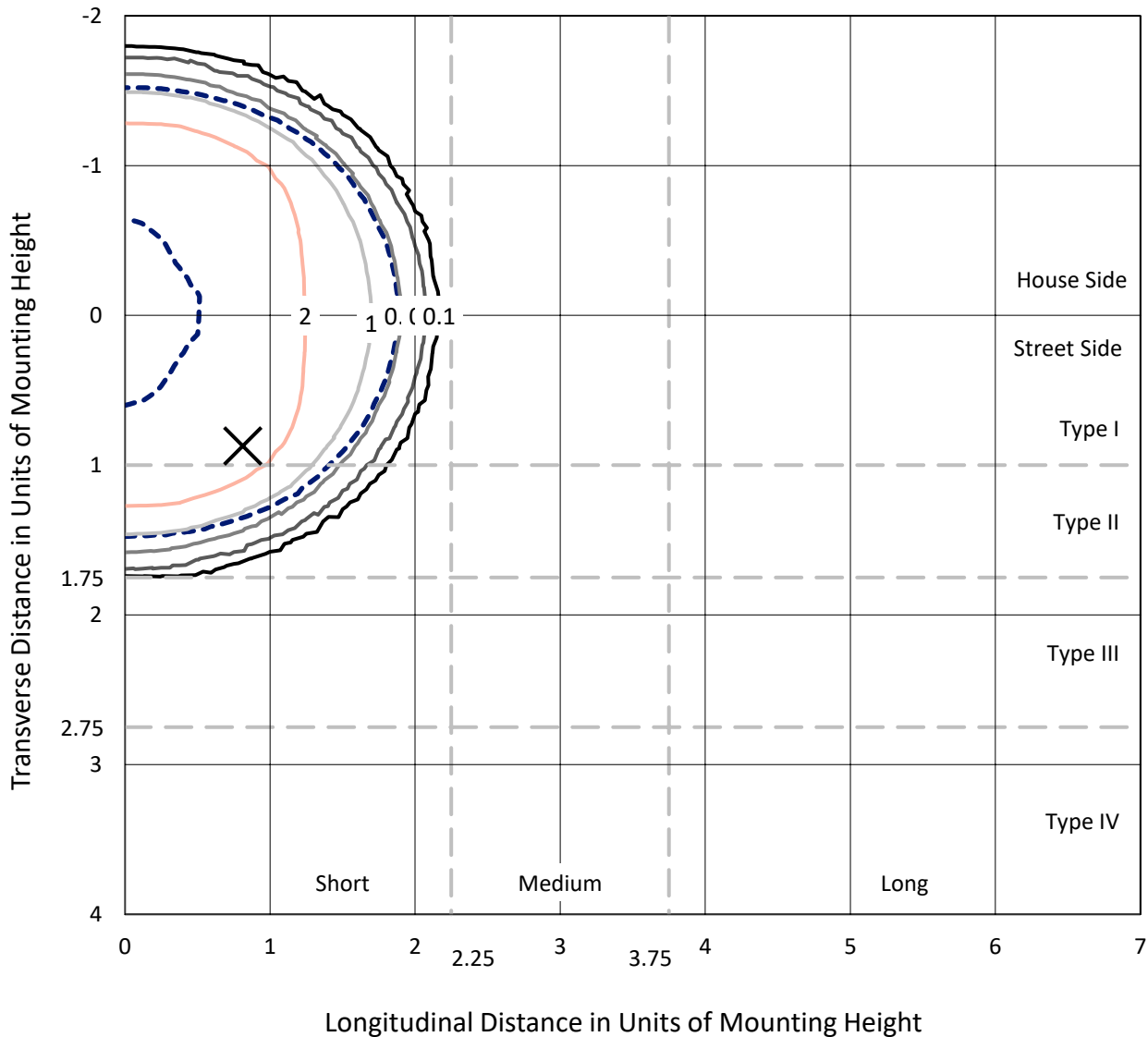
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

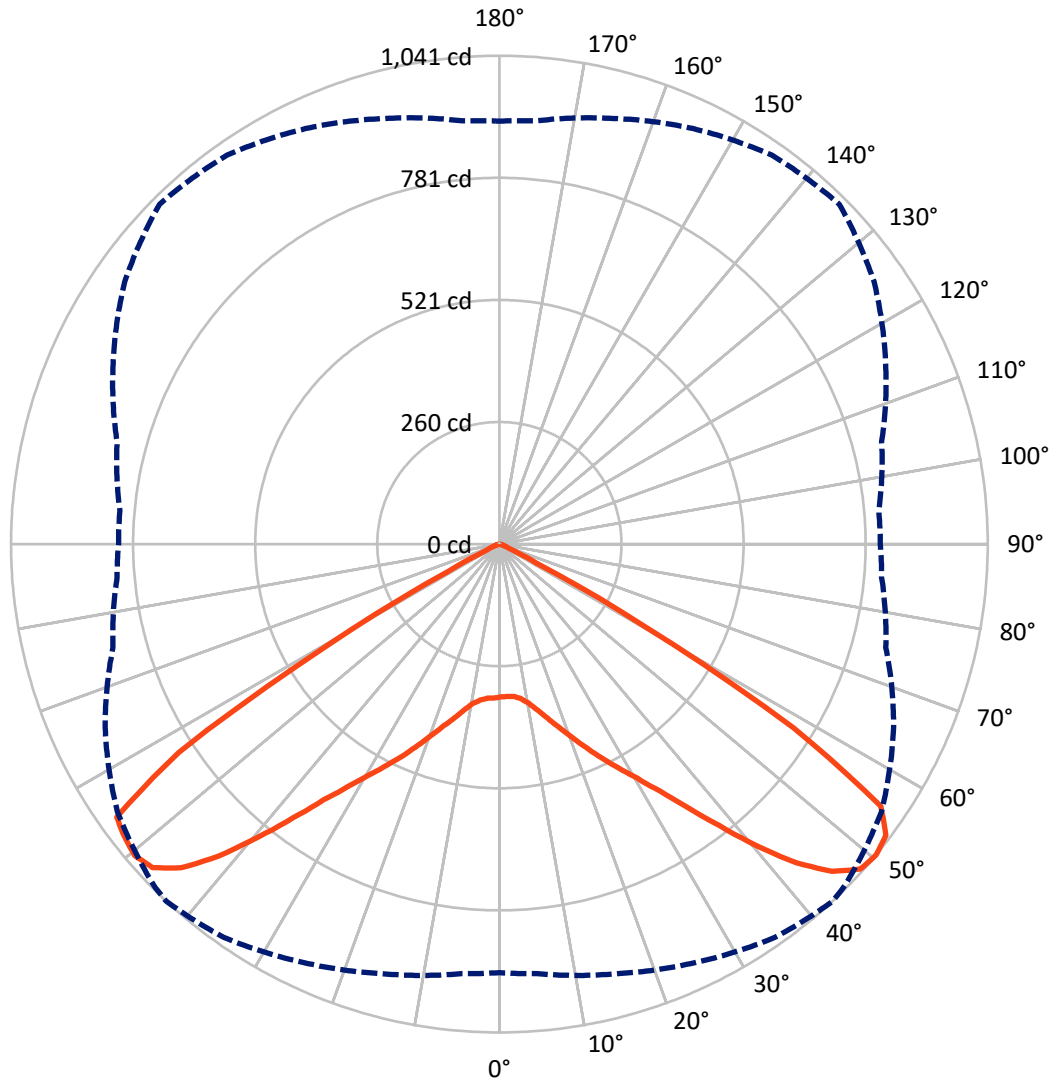
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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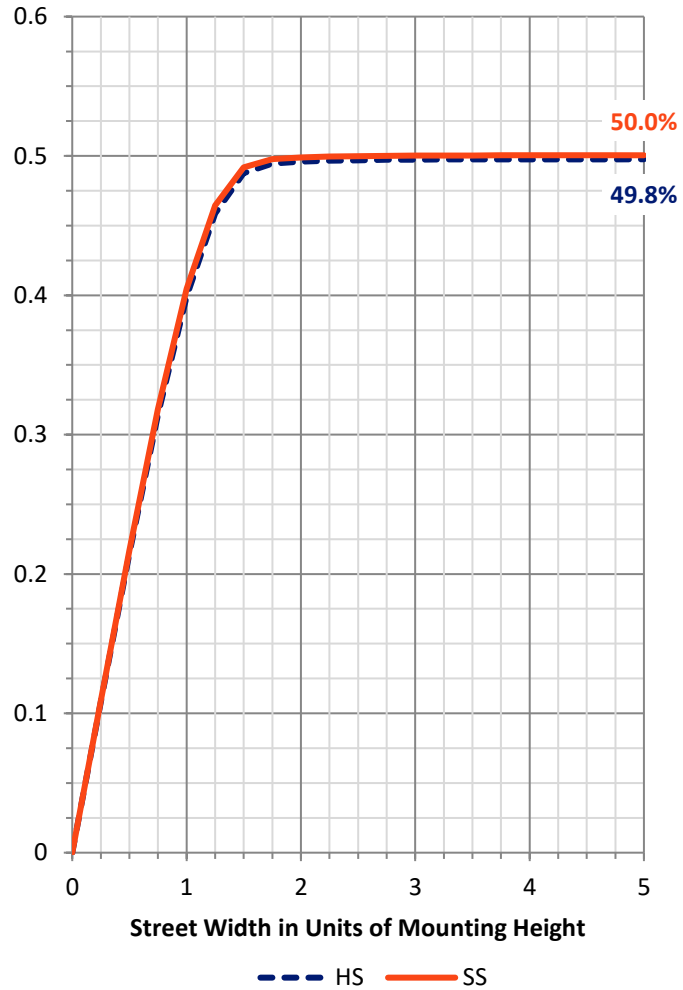
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1145.5	0.0	1145.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1145.6	0.0	1145.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2291.1	0.0	2291.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	1.4
10°-20°	110.4	4.8
20°-30°	223.4	9.8
30°-40°	414.5	18.1
40°-50°	688.1	30.0
50°-60°	702.2	30.7
60°-70°	115.2	5.0
70°-80°	5.0	0.2
80°-90°	0.1	0.0
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°	2291.1	100.0
0°-180°	2291.1	100.0

Coefficient of Utilization



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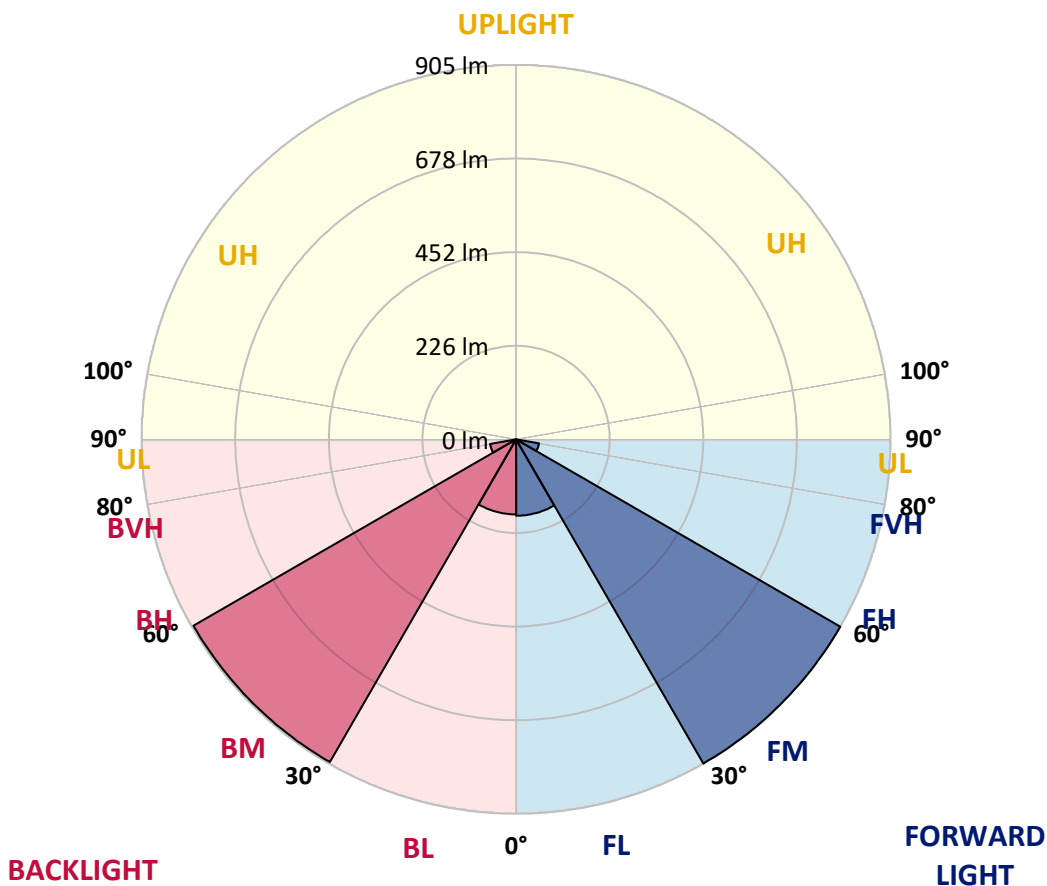
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.6	8.1			
FM (30°-60°)	904.6	39.5			
FH (60°-80°)	56.3	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	181.4	7.9	B1/500		
BM (30°-60°)	900.2	39.3	B1/1000		
BH (60°-80°)	63.9	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9
2.5°	319.8	320.6	321.6	322.6	323.8	325.1	325.9	328.2	327.6	329.7	329.7
5°	316.2	317.0	318.3	320.6	323.3	326.1	328.2	332.7	335.2	339.3	340.8
7.5°	318.0	319.0	320.6	324.1	328.4	332.7	335.0	342.3	347.4	355.0	359.3
10°	323.8	324.9	327.4	333.5	339.0	345.1	347.9	357.3	365.4	375.8	381.9
12.5°	330.4	331.7	336.8	345.9	355.5	363.6	367.4	377.8	386.2	397.8	407.5
15°	337.3	339.3	347.2	360.6	374.3	385.2	389.2	400.4	408.7	421.2	432.0
17.5°	353.2	355.5	364.4	378.8	397.6	410.3	413.8	425.5	431.8	440.2	451.6
20°	373.3	377.6	388.5	405.9	426.5	438.6	441.2	452.6	452.1	455.6	465.5
22.5°	398.1	401.1	413.0	433.8	456.9	470.3	476.1	481.0	474.6	471.6	477.9
25°	423.9	427.5	440.4	463.2	489.1	504.5	509.3	513.1	503.0	491.6	492.4
27.5°	457.4	459.9	472.6	496.9	522.8	540.2	544.6	551.1	537.7	519.5	514.4
30°	497.2	499.7	513.1	538.7	564.3	579.3	585.9	594.0	579.3	556.5	550.6
32.5°	543.8	546.3	563.6	589.9	610.9	627.2	633.5	642.1	630.5	604.9	598.3
35°	599.5	601.1	621.3	650.0	672.3	688.0	692.3	702.4	689.5	663.9	660.4
37.5°	664.2	665.9	688.0	721.2	744.0	761.5	768.3	771.1	755.4	726.8	724.0
40°	735.1	740.9	762.5	798.2	823.8	845.9	851.9	842.6	820.5	781.5	776.4
42.5°	809.1	814.2	838.2	877.0	906.7	929.2	929.5	909.2	871.7	817.7	810.1
45°	870.7	872.7	903.9	942.9	979.4	995.4	996.9	960.1	903.6	838.8	822.5
47.5°	913.0	916.3	943.4	980.9	1021.2	1035.6	1032.6	986.7	918.8	852.4	825.6
50°	913.5	919.1	948.5	984.7	1023.7	1041.2	1036.9	994.3	927.4	852.9	818.2
52.5°	832.7	841.8	889.7	942.1	1001.9	1031.8	1032.9	1004.2	924.2	844.8	811.6
55°	628.2	638.1	698.4	787.8	903.4	986.7	1001.2	992.6	920.3	848.4	823.3
57.5°	332.5	324.9	358.3	447.0	592.2	739.7	782.0	850.9	878.0	852.7	844.8
60°	72.5	77.3	102.9	138.6	231.1	347.9	389.2	507.3	647.7	710.0	755.1
62.5°	31.2	30.7	31.9	36.2	53.0	88.2	107.7	175.9	277.5	381.1	451.3
65°	25.6	25.8	26.9	26.9	25.1	25.3	26.6	40.3	64.9	91.0	122.1
67.5°	19.3	19.5	21.3	21.8	20.5	18.2	18.0	15.2	16.0	20.0	20.8
70°	12.2	12.2	13.2	13.7	13.7	12.7	12.4	10.9	10.6	12.2	13.7
72.5°	6.6	6.6	7.1	7.3	7.1	6.8	6.8	6.6	6.3	7.3	9.4
75°	2.8	2.8	3.0	3.0	2.8	2.8	2.8	2.8	2.8	3.3	5.1
77.5°	0.5	0.8	1.0	0.8	0.5	0.5	0.5	0.8	0.8	1.0	1.5
80°	0.3	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9	325.9
2.5°	331.4	328.7	329.7	330.2	329.4	328.9	326.1	325.4	324.1	322.1	321.6
5°	342.6	340.3	340.1	338.5	335.0	330.7	325.4	323.1	320.6	318.0	317.5
7.5°	361.3	358.6	356.8	351.7	343.6	336.8	327.9	323.1	319.8	316.5	315.7
10°	385.4	382.1	377.1	367.7	356.8	346.9	336.5	330.2	325.1	320.6	320.3
12.5°	411.0	407.5	398.3	386.4	373.3	364.1	351.0	342.1	334.5	327.6	326.9
15°	437.9	433.6	421.2	407.0	394.8	385.4	371.0	356.8	345.1	335.2	334.2
17.5°	458.4	453.1	438.4	427.7	417.9	408.2	392.0	373.3	357.8	345.9	343.1
20°	471.3	466.3	452.3	446.5	441.9	435.1	415.8	396.3	379.1	364.4	361.9
22.5°	483.7	477.7	465.5	465.5	469.0	466.3	445.5	423.2	402.9	385.9	382.1
25°	497.7	492.9	484.2	491.3	500.2	500.0	478.7	450.8	427.5	408.5	404.7
27.5°	518.0	513.1	510.1	523.5	534.7	533.9	510.6	480.4	455.9	437.1	433.6
30°	553.7	549.1	545.8	562.0	576.2	570.9	545.3	516.2	491.3	470.1	467.5
32.5°	601.3	596.5	592.2	608.4	621.1	614.2	589.9	562.5	533.9	513.1	508.1
35°	663.9	653.8	649.5	668.7	674.0	666.4	643.1	619.1	588.6	564.8	561.5
37.5°	728.5	716.6	713.6	730.3	738.9	736.1	708.8	683.7	650.7	624.4	620.6
40°	783.8	772.9	767.5	793.6	813.2	814.9	790.4	759.7	720.9	693.6	686.7
42.5°	816.2	806.8	805.6	846.1	878.0	900.8	871.4	839.8	799.0	768.1	762.5
45°	823.6	817.5	828.1	881.3	931.0	972.6	947.5	914.0	869.9	837.2	831.9
47.5°	822.8	820.8	839.8	899.6	962.4	1013.6	1001.2	963.4	920.9	886.6	881.6
50°	811.9	812.1	843.8	908.7	975.1	1024.8	1012.3	977.4	939.4	905.7	901.6
52.5°	807.6	806.1	836.2	905.9	988.0	1019.7	991.8	952.5	910.2	868.7	862.6
55°	822.8	819.0	837.2	903.6	989.5	1016.9	943.4	858.3	771.6	722.4	718.4
57.5°	845.6	841.5	850.2	886.9	910.2	845.6	694.3	557.0	467.8	430.0	413.5
60°	755.1	752.3	745.8	701.4	601.6	453.8	309.1	197.1	141.7	114.5	114.5
62.5°	468.5	464.7	429.0	318.8	231.6	134.0	73.7	46.1	35.0	32.7	32.4
65°	131.5	130.8	108.2	76.5	48.7	30.2	26.6	27.1	26.6	25.8	25.6
67.5°	19.8	21.8	21.8	17.7	17.0	19.0	22.3	23.8	22.6	21.3	20.8
70°	12.7	13.7	13.2	11.4	12.2	14.2	16.0	16.2	15.5	14.2	13.9
72.5°	8.9	9.9	8.1	7.3	7.6	8.4	9.1	9.1	8.9	8.4	7.9
75°	5.3	5.3	3.8	3.5	3.5	3.8	3.8	4.3	4.3	4.1	3.8
77.5°	1.8	2.0	1.3	1.0	1.0	1.0	1.3	1.5	1.5	1.3	1.0
80°	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)