

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: P629338

Luminaire Tested: GWS-SA1B-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629338  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

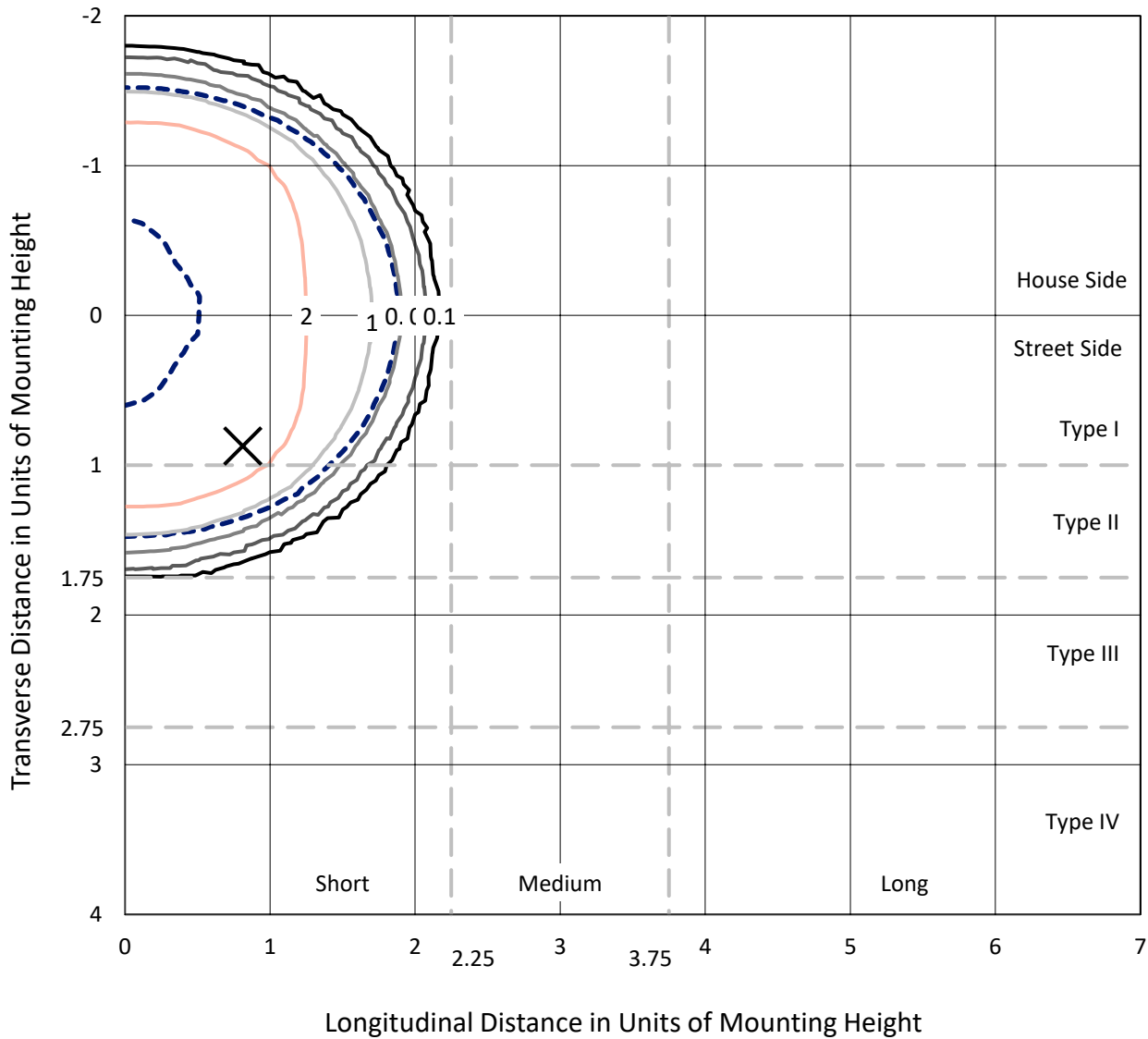
Lumens per Lamp: N/A  
Luminaire Lumens: 2322.9 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

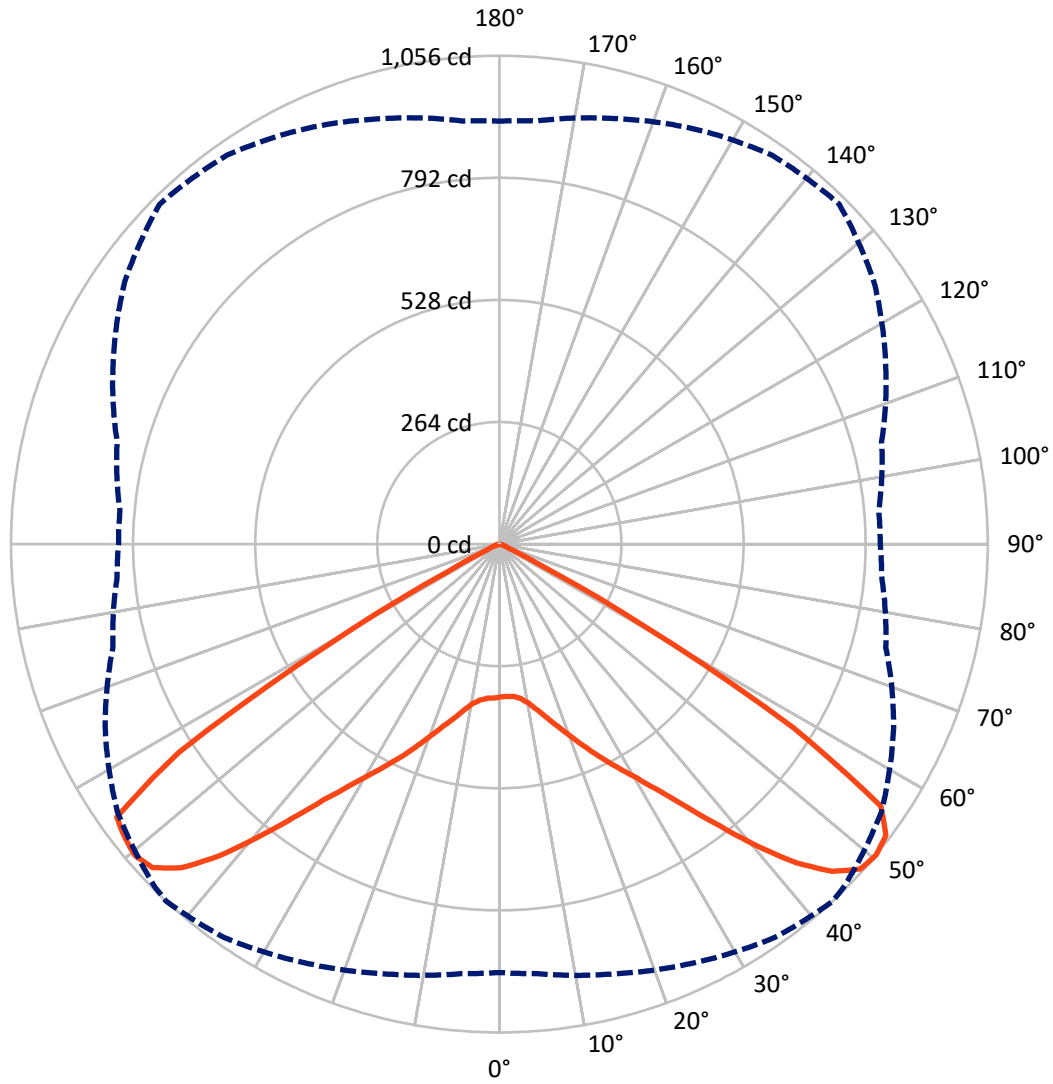
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 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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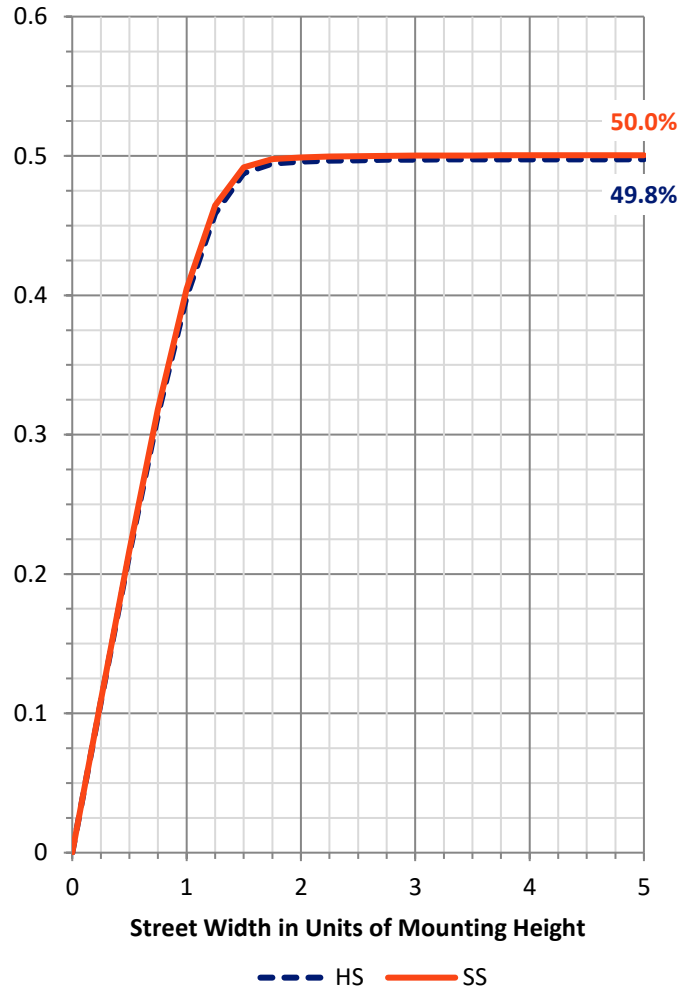
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.4	0.0	1161.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1161.5	0.0	1161.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2322.9	0.0	2322.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.5	1.4
10°-20°	112.0	4.8
20°-30°	226.5	9.8
30°-40°	420.3	18.1
40°-50°	697.7	30.0
50°-60°	712.0	30.7
60°-70°	116.8	5.0
70°-80°	5.1	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°	2322.9	100.0
0°-180°	2322.9	100.0

**Coefficient of Utilization**



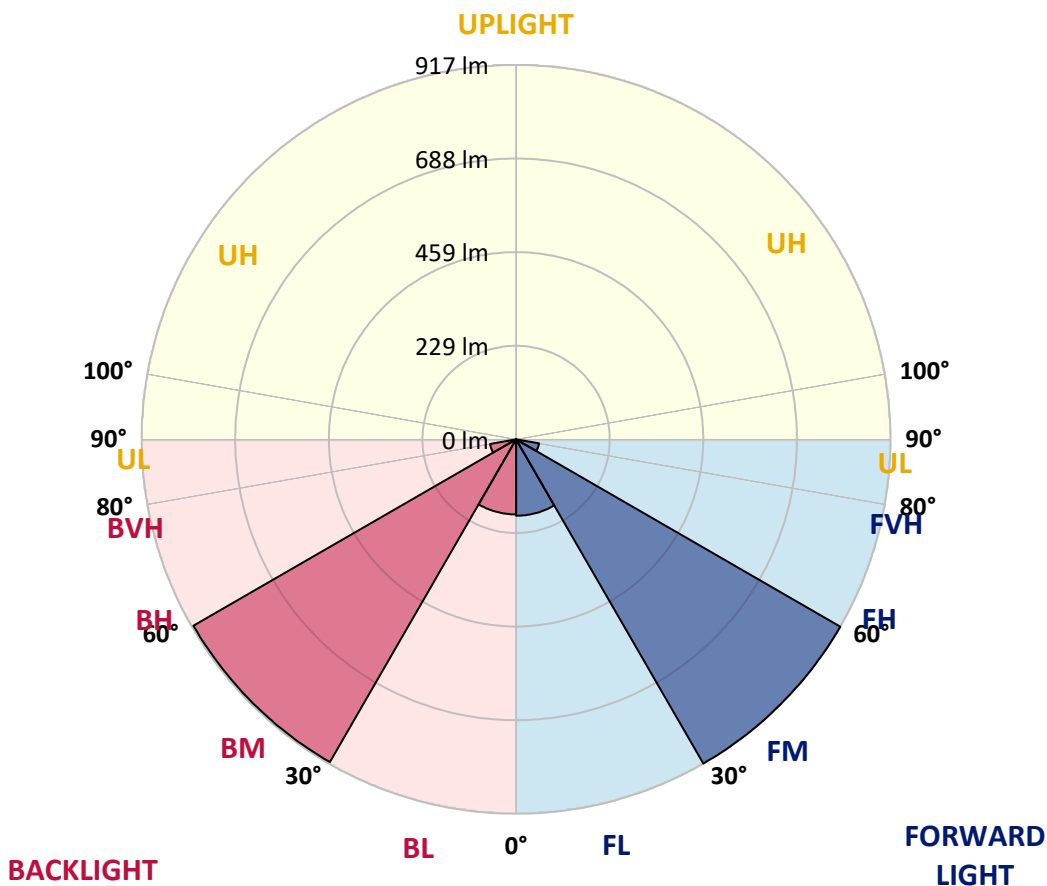
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.1	8.1			
FM (30°-60°)	917.2	39.5			
FH (60°-80°)	57.1	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	183.9	7.9	B1/500		
BM (30°-60°)	912.7	39.3	B1/1000		
BH (60°-80°)	64.8	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°	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4
2.5°	324.2	325.0	326.0	327.1	328.3	329.6	330.4	332.7	332.2	334.2	334.2
5°	320.6	321.4	322.7	325.0	327.8	330.7	332.7	337.3	339.9	344.0	345.6
7.5°	322.4	323.5	325.0	328.6	333.0	337.3	339.6	347.1	352.2	359.9	364.3
10°	328.3	329.4	331.9	338.1	343.8	349.9	352.7	362.3	370.5	381.0	387.2
12.5°	335.0	336.3	341.4	350.7	360.5	368.7	372.5	383.1	391.5	403.4	413.1
15°	342.0	344.0	352.0	365.6	379.5	390.5	394.6	405.9	414.4	427.0	438.0
17.5°	358.1	360.5	369.4	384.1	403.1	415.9	419.5	431.4	437.8	446.3	457.8
20°	378.4	382.8	393.9	411.6	432.4	444.7	447.3	458.9	458.3	461.9	472.0
22.5°	403.6	406.7	418.8	439.8	463.2	476.8	482.7	487.6	481.2	478.1	484.5
25°	429.8	433.4	446.5	469.6	495.9	511.5	516.4	520.3	510.0	498.4	499.2
27.5°	463.7	466.3	479.2	503.8	530.0	547.7	552.1	558.8	545.2	526.7	521.5
30°	504.1	506.6	520.3	546.2	572.2	587.3	594.0	602.2	587.3	564.2	558.3
32.5°	551.3	553.9	571.4	598.1	619.4	635.9	642.3	651.0	639.2	613.3	606.6
35°	607.9	609.4	630.0	659.0	681.6	697.5	701.9	712.2	699.1	673.1	669.5
37.5°	673.4	675.2	697.5	731.2	754.3	772.0	779.0	781.8	765.9	736.8	734.0
40°	745.3	751.2	773.1	809.3	835.2	857.6	863.8	854.3	831.9	792.3	787.2
42.5°	820.3	825.5	849.9	889.2	919.3	942.1	942.4	921.8	883.8	829.1	821.4
45°	882.8	884.8	916.4	956.0	993.0	1009.2	1010.7	973.5	916.2	850.4	834.0
47.5°	925.7	929.0	956.5	994.5	1035.4	1050.0	1046.9	1000.4	931.6	864.3	837.0
50°	926.2	931.8	961.6	998.4	1037.9	1055.7	1051.3	1008.1	940.3	864.8	829.6
52.5°	844.2	853.5	902.0	955.2	1015.9	1046.2	1047.2	1018.2	937.0	856.6	822.9
55°	636.9	646.9	708.1	798.8	915.9	1000.4	1015.1	1006.3	933.1	860.2	834.7
57.5°	337.1	329.4	363.3	453.2	600.4	749.9	792.8	862.7	890.2	864.5	856.6
60°	73.5	78.4	104.3	140.5	234.3	352.7	394.6	514.3	656.7	719.9	765.6
62.5°	31.6	31.1	32.4	36.7	53.7	89.4	109.2	178.3	281.3	386.4	457.6
65°	25.9	26.2	27.2	27.2	25.4	25.7	27.0	40.8	65.8	92.2	123.8
67.5°	19.5	19.8	21.6	22.1	20.8	18.5	18.2	15.4	16.2	20.3	21.1
70°	12.3	12.3	13.4	13.9	13.9	12.8	12.6	11.0	10.8	12.3	13.9
72.5°	6.7	6.7	7.2	7.5	7.2	6.9	6.9	6.7	6.4	7.5	9.5
75°	2.8	2.8	3.1	3.1	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°	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4
2.5°	336.0	333.2	334.2	334.8	334.0	333.5	330.7	329.9	328.6	326.5	326.0
5°	347.4	345.0	344.8	343.2	339.6	335.3	329.9	327.6	325.0	322.4	321.9
7.5°	366.4	363.5	361.7	356.6	348.4	341.4	332.5	327.6	324.2	320.9	320.1
10°	390.8	387.4	382.3	372.8	361.7	351.7	341.2	334.8	329.6	325.0	324.7
12.5°	416.7	413.1	403.9	391.8	378.4	369.2	355.8	346.8	339.1	332.2	331.4
15°	444.0	439.6	427.0	412.6	400.3	390.8	376.1	361.7	349.9	339.9	338.9
17.5°	464.8	459.4	444.5	433.7	423.7	413.9	397.5	378.4	362.8	350.7	347.9
20°	477.9	472.7	458.6	452.7	448.1	441.1	421.6	401.8	384.3	369.4	366.9
22.5°	490.5	484.3	472.0	472.0	475.6	472.7	451.7	429.1	408.5	391.3	387.4
25°	504.6	499.7	491.0	498.2	507.2	506.9	485.3	457.1	433.4	414.2	410.3
27.5°	525.1	520.3	517.2	530.8	542.1	541.3	517.7	487.1	462.2	443.2	439.6
30°	561.4	556.7	553.4	569.8	584.2	578.8	552.9	523.3	498.2	476.6	474.0
32.5°	609.7	604.8	600.4	616.9	629.7	622.8	598.1	570.4	541.3	520.3	515.1
35°	673.1	662.8	658.5	678.0	683.4	675.7	652.1	627.6	596.8	572.7	569.3
37.5°	738.6	726.6	723.5	740.4	749.2	746.3	718.6	693.2	659.8	633.0	629.2
40°	794.6	783.6	778.2	804.7	824.4	826.2	801.3	770.2	730.9	703.2	696.2
42.5°	827.5	818.0	816.7	857.8	890.2	913.3	883.5	851.4	810.1	778.7	773.1
45°	835.0	828.8	839.6	893.6	943.9	986.0	960.6	926.7	882.0	848.9	843.5
47.5°	834.2	832.2	851.4	912.1	975.8	1027.7	1015.1	976.8	933.6	899.0	893.8
50°	823.2	823.4	855.5	921.3	988.6	1039.0	1026.4	990.9	952.4	918.2	914.1
52.5°	818.8	817.3	847.8	918.5	1001.7	1033.8	1005.6	965.8	922.8	880.7	874.5
55°	834.2	830.4	848.9	916.2	1003.3	1031.0	956.5	870.2	782.3	732.5	728.4
57.5°	857.3	853.2	862.0	899.2	922.8	857.3	704.0	564.7	474.3	436.0	419.3
60°	765.6	762.8	756.1	711.1	609.9	460.1	313.4	199.9	143.6	116.1	116.1
62.5°	475.0	471.2	435.0	323.2	234.8	135.9	74.8	46.8	35.5	33.1	32.9
65°	133.3	132.6	109.7	77.6	49.3	30.6	27.0	27.5	27.0	26.2	25.9
67.5°	20.0	22.1	22.1	18.0	17.2	19.3	22.6	24.2	22.9	21.6	21.1
70°	12.8	13.9	13.4	11.6	12.3	14.4	16.2	16.4	15.7	14.4	14.1
72.5°	9.0	10.0	8.2	7.5	7.7	8.5	9.2	9.2	9.0	8.5	8.0
75°	5.4	5.4	3.9	3.6	3.6	3.9	3.9	4.4	4.4	4.1	3.9
77.5°	1.8	2.1	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)