

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: P629285

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3638.9 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

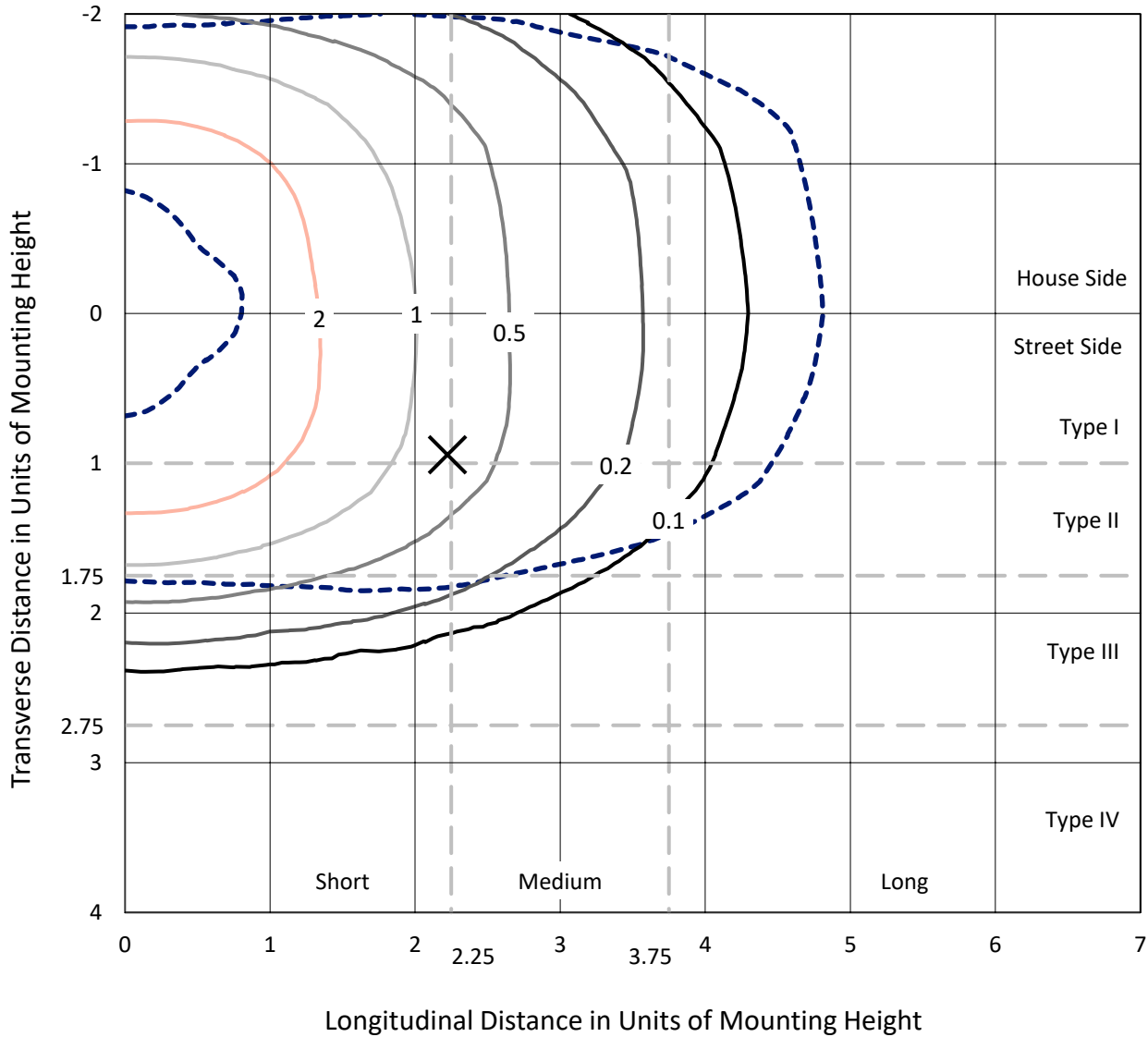
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

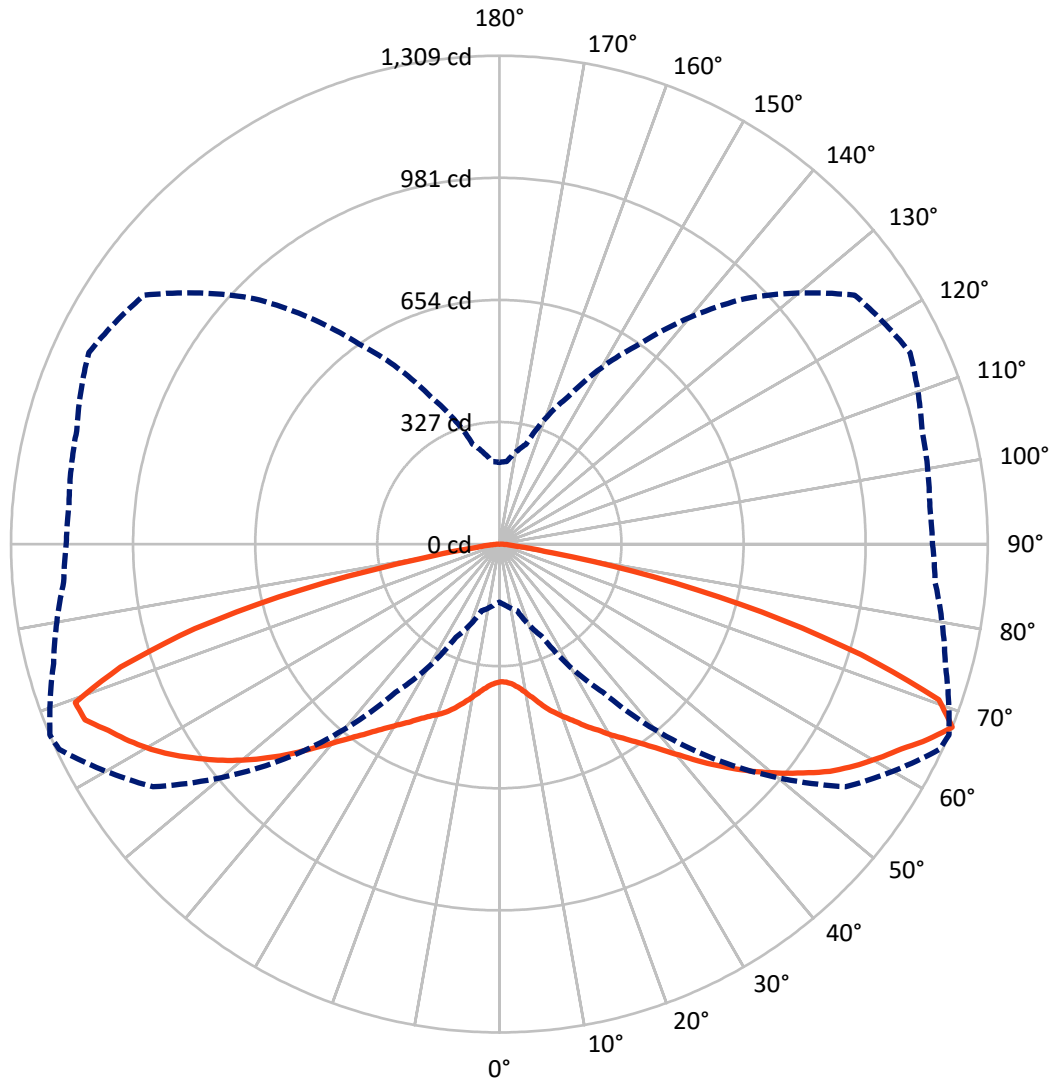
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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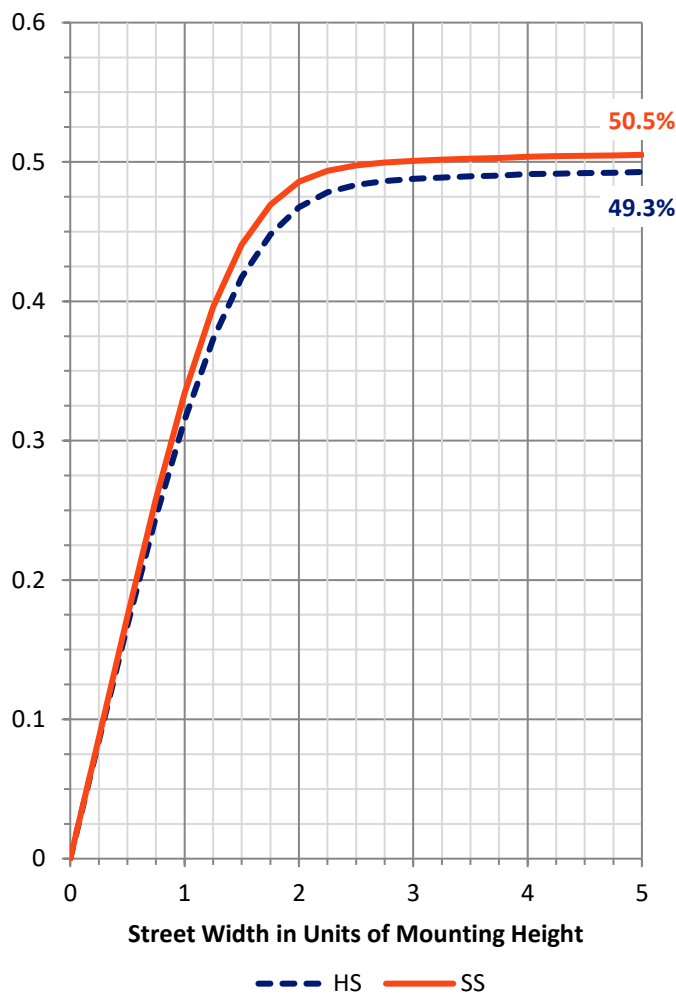
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1799.4	0.0	1799.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1839.5	0.0	1839.5
	% Fixture	50.6	0.0	50.6
Total	Lumens	3638.9	0.0	3638.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.0
10°-20°	122.1	3.4
20°-30°	239.6	6.6
30°-40°	408.2	11.2
40°-50°	655.5	18.0
50°-60°	890.7	24.5
60°-70°	852.0	23.4
70°-80°	405.1	11.1
80°-90°	29.4	0.8
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°	3638.9	100.0
0°-180°	3638.9	100.0

Coefficient of Utilization



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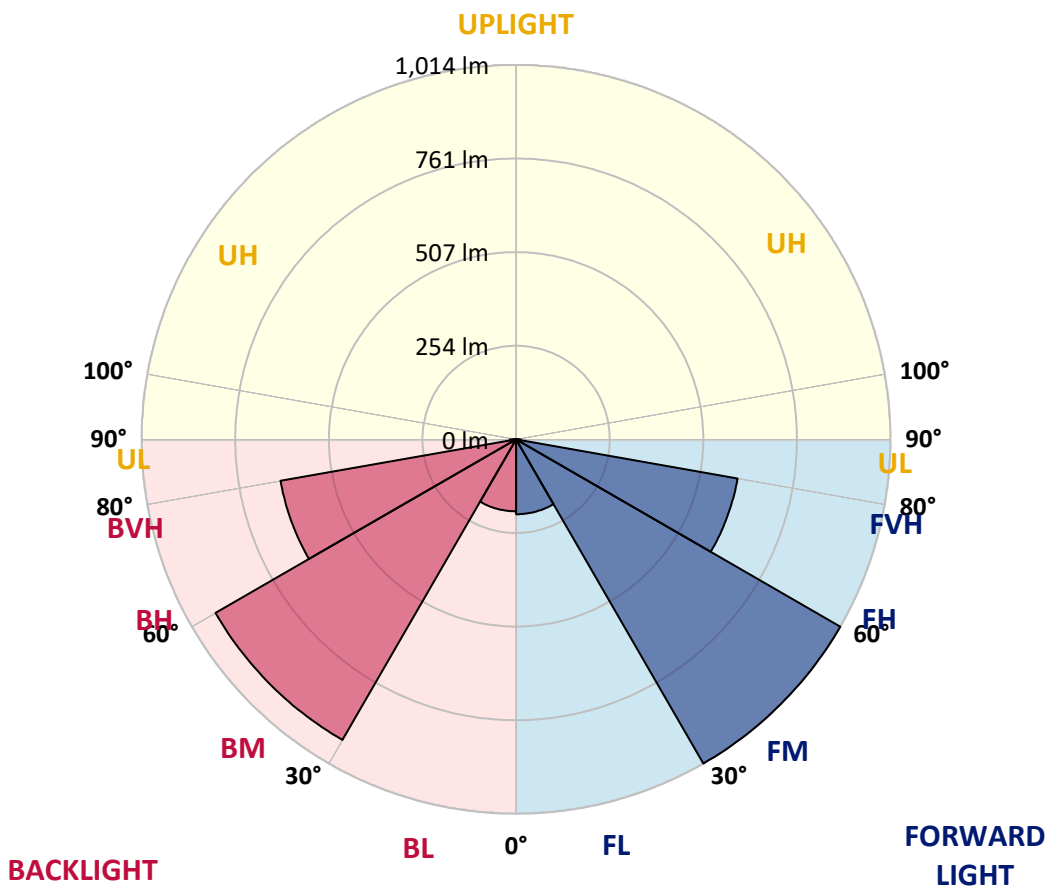
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.9	5.6			
FM (30°-60°)	1014.2	27.9			
FH (60°-80°)	609.2	16.7			G0/660
FVH (80°-90°)	13.2	0.4			G1/100
BL (0°-30°)	195.0	5.4	B1/500		
BM (30°-60°)	940.3	25.8	B1/1000		
BH (60°-80°)	647.9	17.8	B2/1000		G2/1000
BVH (80°-90°)	16.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5
2.5°	360.9	361.4	362.1	363.6	365.2	367.4	369.7	369.5	370.5	371.2	372.0
5°	358.8	359.3	360.6	362.6	364.9	368.7	373.5	375.6	377.1	379.9	382.4
7.5°	363.1	364.2	365.9	368.7	372.3	377.1	383.7	387.2	389.5	394.6	398.9
10°	369.0	370.2	373.8	379.1	384.4	391.8	400.1	405.5	407.0	413.6	421.7
12.5°	374.5	376.1	381.9	391.5	401.1	411.0	420.9	427.5	428.0	436.9	446.0
15°	383.4	384.7	392.5	405.0	419.6	433.3	445.5	450.1	452.1	458.4	469.8
17.5°	402.9	404.4	414.6	428.0	443.5	457.9	470.1	473.9	473.9	479.2	488.6
20°	424.0	425.5	438.9	456.1	474.9	489.6	499.0	495.4	494.2	495.7	502.3
22.5°	447.5	450.3	463.2	483.3	506.3	524.3	529.1	518.5	514.9	511.4	512.9
25°	477.7	481.0	493.6	514.9	537.5	556.5	559.3	542.8	540.8	528.4	523.8
27.5°	512.4	514.9	530.6	551.7	572.7	588.7	591.7	571.4	564.6	547.4	536.7
30°	557.2	559.5	573.2	594.0	612.2	623.4	627.2	599.3	594.0	567.6	551.2
32.5°	606.2	607.2	621.1	641.1	657.3	668.0	662.7	630.2	622.4	592.7	570.2
35°	662.2	662.2	680.2	696.4	709.3	712.3	702.2	665.2	656.1	623.9	595.8
37.5°	717.2	718.7	735.4	754.7	766.1	765.6	747.1	706.5	696.1	661.1	630.0
40°	776.7	780.0	796.7	818.3	829.2	827.6	799.3	754.1	743.5	702.2	671.8
42.5°	831.4	836.8	856.3	878.3	890.2	889.2	859.6	808.9	798.5	751.9	721.5
45°	875.0	880.6	904.9	935.6	954.6	952.8	922.9	865.7	853.0	804.1	770.6
47.5°	913.3	919.1	946.2	978.7	1008.8	1011.9	984.5	922.9	909.5	860.1	822.3
50°	942.7	945.5	975.9	1011.4	1046.3	1063.3	1039.5	980.4	964.2	915.3	872.7
52.5°	940.4	944.2	981.7	1029.9	1076.7	1104.6	1088.1	1034.7	1019.0	965.7	924.2
55°	894.0	897.8	942.4	1012.6	1093.7	1134.8	1133.0	1086.4	1075.0	1017.2	977.7
57.5°	826.4	834.7	879.1	954.9	1071.4	1158.8	1165.9	1133.5	1121.6	1067.6	1030.6
60°	705.2	716.4	767.6	865.9	1000.0	1150.7	1201.2	1173.3	1165.9	1114.5	1078.5
62.5°	512.4	520.5	588.7	717.7	894.0	1093.0	1230.8	1214.3	1208.8	1156.6	1121.8
65°	306.9	325.4	380.1	507.6	721.2	984.0	1214.6	1268.1	1262.2	1199.9	1158.8
67.5°	155.3	163.7	185.2	275.2	485.0	814.2	1133.3	1301.5	1308.6	1236.9	1172.0
70°	96.3	98.6	104.7	135.8	242.3	534.9	926.7	1214.3	1249.1	1231.1	1137.8
72.5°	77.3	77.8	78.8	84.6	116.3	250.1	585.9	951.0	1013.6	1149.7	1088.9
75°	64.1	64.4	64.6	66.4	72.5	102.1	285.1	653.5	726.8	977.2	1009.6
77.5°	51.4	50.2	51.2	51.9	53.5	57.0	98.3	348.7	422.9	641.4	780.8
80°	33.5	32.9	35.0	35.7	37.3	39.5	52.5	118.3	143.7	233.4	248.3
82.5°	18.0	17.0	21.3	20.5	21.3	23.1	30.9	43.3	48.7	70.4	59.6
85°	5.6	5.6	5.8	6.8	8.4	8.1	13.4	21.3	23.6	30.2	22.3
87.5°	1.0	1.0	1.0	1.0	1.0	1.3	2.8	4.3	5.8	10.4	7.9
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°	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5
2.5°	373.5	371.2	372.5	373.3	373.0	372.5	370.0	369.5	368.2	366.2	365.7
5°	384.7	382.1	382.4	381.6	379.1	375.8	370.2	367.4	365.2	362.6	362.4
7.5°	402.2	399.4	398.6	395.1	388.0	380.4	371.5	366.4	362.6	359.3	358.8
10°	424.5	421.7	419.1	410.8	399.1	389.0	377.3	370.0	364.4	360.3	359.6
12.5°	449.3	447.0	440.7	428.5	414.6	402.7	390.8	381.6	373.5	367.4	366.7
15°	476.9	471.9	462.2	446.5	433.3	423.7	409.3	396.8	383.9	375.8	374.0
17.5°	496.2	491.9	480.5	465.3	454.9	446.5	429.5	411.8	394.3	382.4	379.9
20°	509.9	505.3	492.4	481.2	477.9	470.8	451.1	430.5	410.3	395.6	392.3
22.5°	519.7	514.9	501.8	496.2	500.7	499.5	480.2	456.9	432.8	415.3	411.3
25°	529.1	524.6	512.9	514.9	527.1	530.9	510.1	483.0	455.6	435.1	430.3
27.5°	538.0	532.2	526.8	538.0	555.2	562.3	540.3	509.6	480.0	458.9	455.1
30°	551.7	544.8	544.1	560.3	587.7	593.7	569.4	538.8	509.4	488.1	483.3
32.5°	568.9	562.6	563.1	587.4	619.1	624.2	603.4	574.7	545.3	524.1	517.5
35°	592.2	584.4	588.7	618.6	650.5	659.9	643.2	619.3	590.7	568.9	561.6
37.5°	624.4	613.0	621.9	653.3	685.5	699.4	686.5	668.8	640.4	618.3	611.5
40°	665.5	656.1	659.6	694.3	727.5	744.3	736.2	718.7	690.5	667.5	659.6
42.5°	714.1	704.7	703.5	740.5	773.7	799.0	791.1	775.2	746.0	719.7	712.1
45°	761.8	753.1	754.9	792.7	829.9	857.5	849.7	830.9	799.3	768.8	762.8
47.5°	811.4	804.3	805.8	845.9	886.9	914.6	904.7	881.9	844.9	812.4	805.1
50°	862.4	854.2	856.5	898.6	942.9	969.0	953.8	920.1	879.3	847.7	841.3
52.5°	913.0	903.4	909.2	949.0	994.9	1015.7	987.5	946.7	907.2	875.8	868.7
55°	971.3	961.2	954.9	997.4	1042.8	1051.4	1012.9	965.2	918.4	882.6	878.3
57.5°	1024.5	1015.9	1004.0	1046.6	1080.0	1073.7	1032.4	960.2	891.2	845.4	839.3
60°	1072.2	1064.8	1054.4	1090.7	1105.9	1091.7	1016.7	900.1	824.3	776.4	773.7
62.5°	1116.0	1108.2	1098.5	1129.5	1127.4	1094.5	945.2	807.9	706.5	655.1	650.5
65°	1150.7	1143.6	1140.9	1165.2	1161.9	1040.0	834.0	656.8	516.2	458.2	456.4
67.5°	1160.6	1157.8	1172.8	1214.1	1162.6	930.5	654.1	435.6	277.2	222.2	218.9
70°	1123.6	1123.4	1166.2	1225.2	1057.2	710.8	385.9	196.4	139.4	123.7	121.6
72.5°	1075.5	1074.7	1108.7	1057.0	784.1	389.0	162.4	105.2	87.2	82.9	82.9
75°	996.4	994.4	1020.0	804.1	440.9	146.5	86.2	72.2	68.4	67.7	67.7
77.5°	812.2	795.2	754.9	496.9	153.8	72.0	57.0	56.8	54.5	54.2	54.2
80°	267.1	267.1	310.4	189.6	67.9	44.3	40.3	42.3	40.0	38.5	38.3
82.5°	43.6	60.1	85.4	54.2	36.7	27.6	24.8	26.4	27.6	22.0	22.0
85°	17.2	22.6	32.9	25.3	17.0	11.2	11.9	13.2	11.7	10.1	9.9
87.5°	6.6	8.1	11.7	6.1	3.5	2.0	1.3	1.3	1.0	1.0	1.0
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)