

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: P630051

Luminaire Tested: GWS-SA1C-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630051
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-SA1C-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2474.7 lumens
Efficiency: N/A
Efficacy: 72.6 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

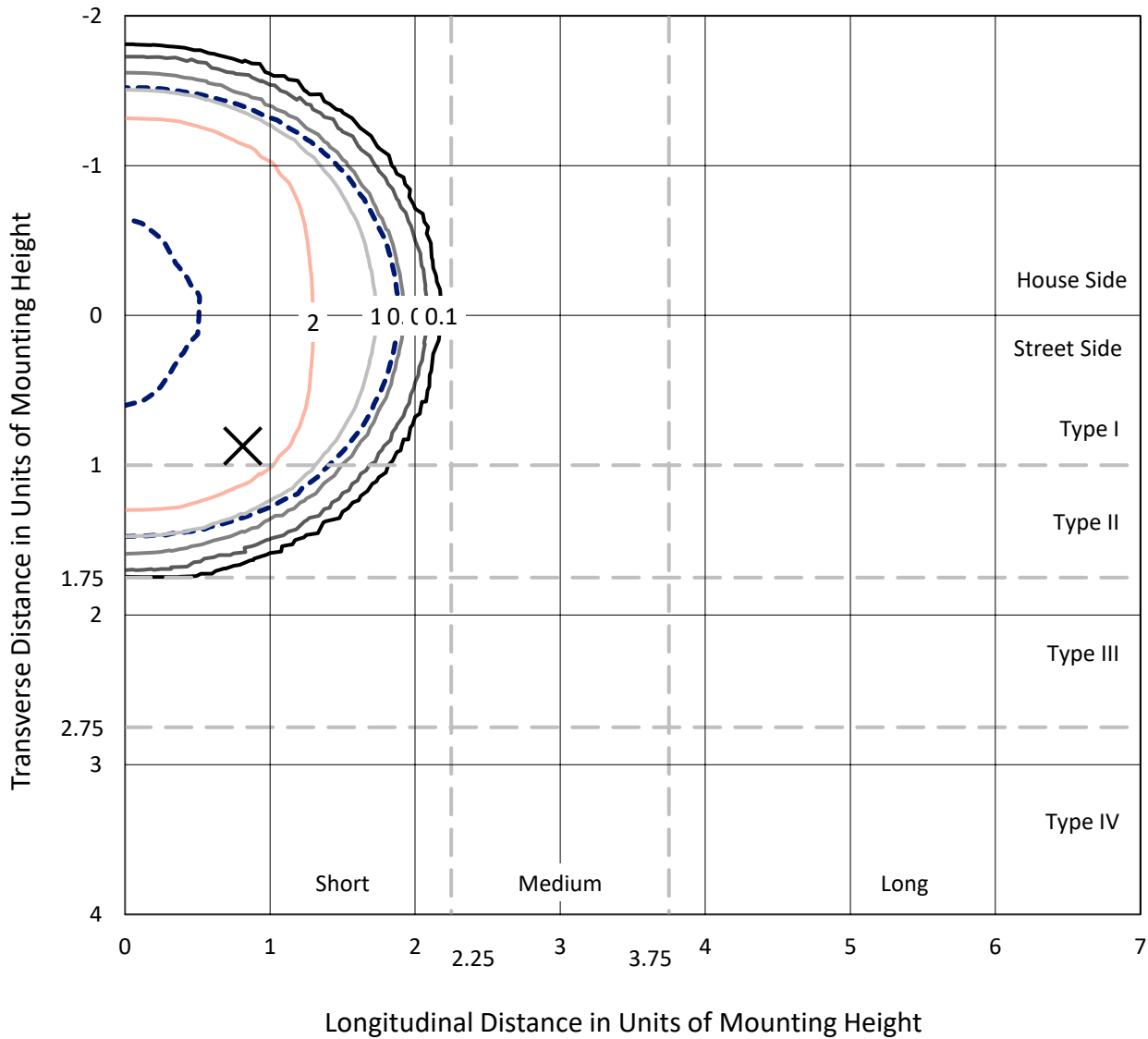
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

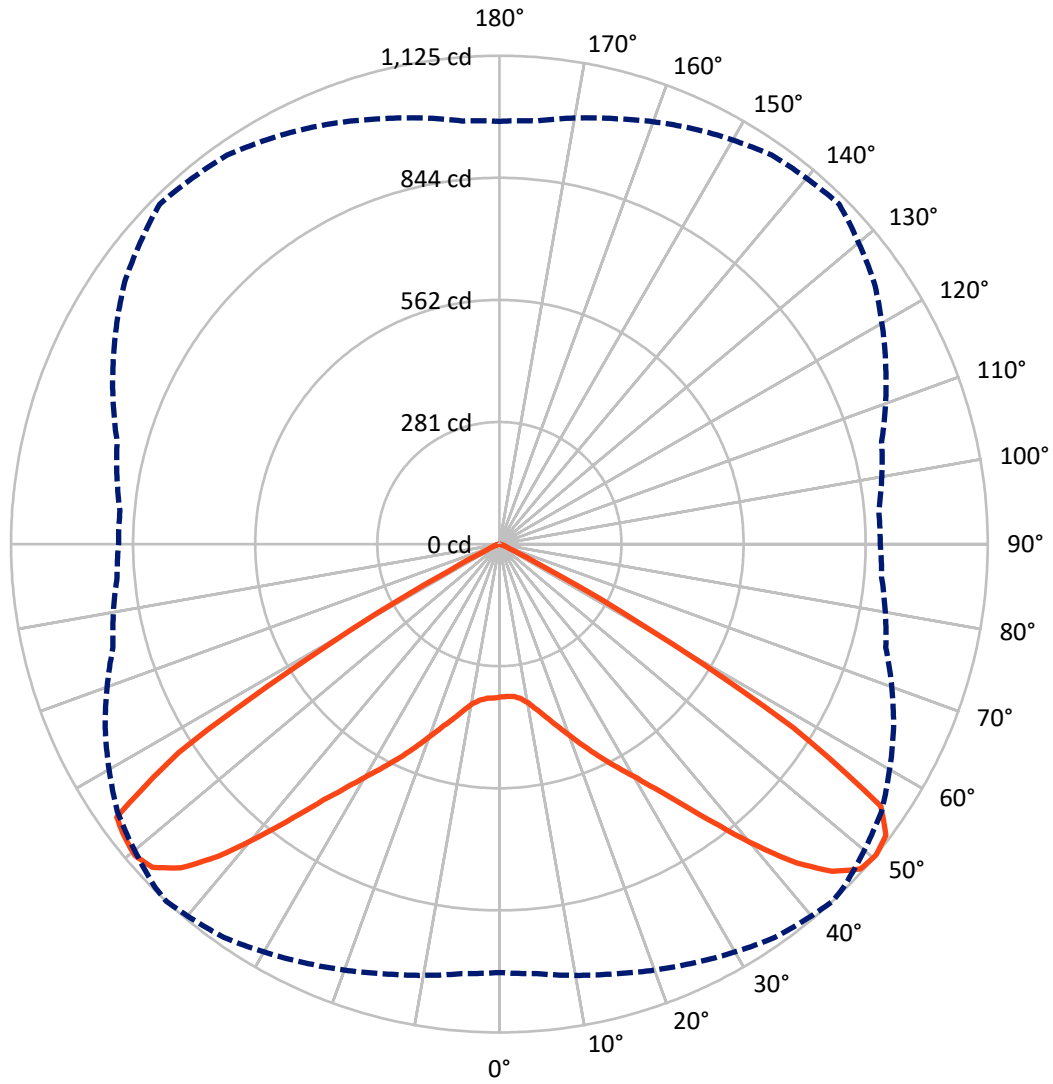
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 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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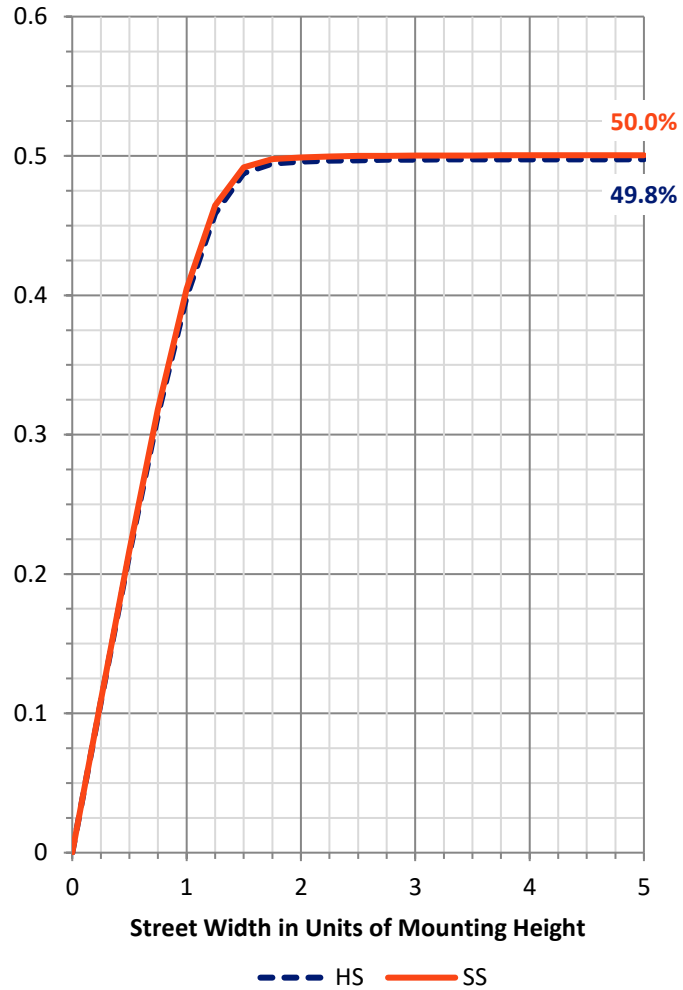
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.3	0.0	1237.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1237.4	0.0	1237.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2474.7	0.0	2474.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	1.4
10°-20°	119.3	4.8
20°-30°	241.3	9.8
30°-40°	447.8	18.1
40°-50°	743.2	30.0
50°-60°	758.5	30.7
60°-70°	124.4	5.0
70°-80°	5.4	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°	2474.7	100.0
0°-180°	2474.7	100.0

Coefficient of Utilization



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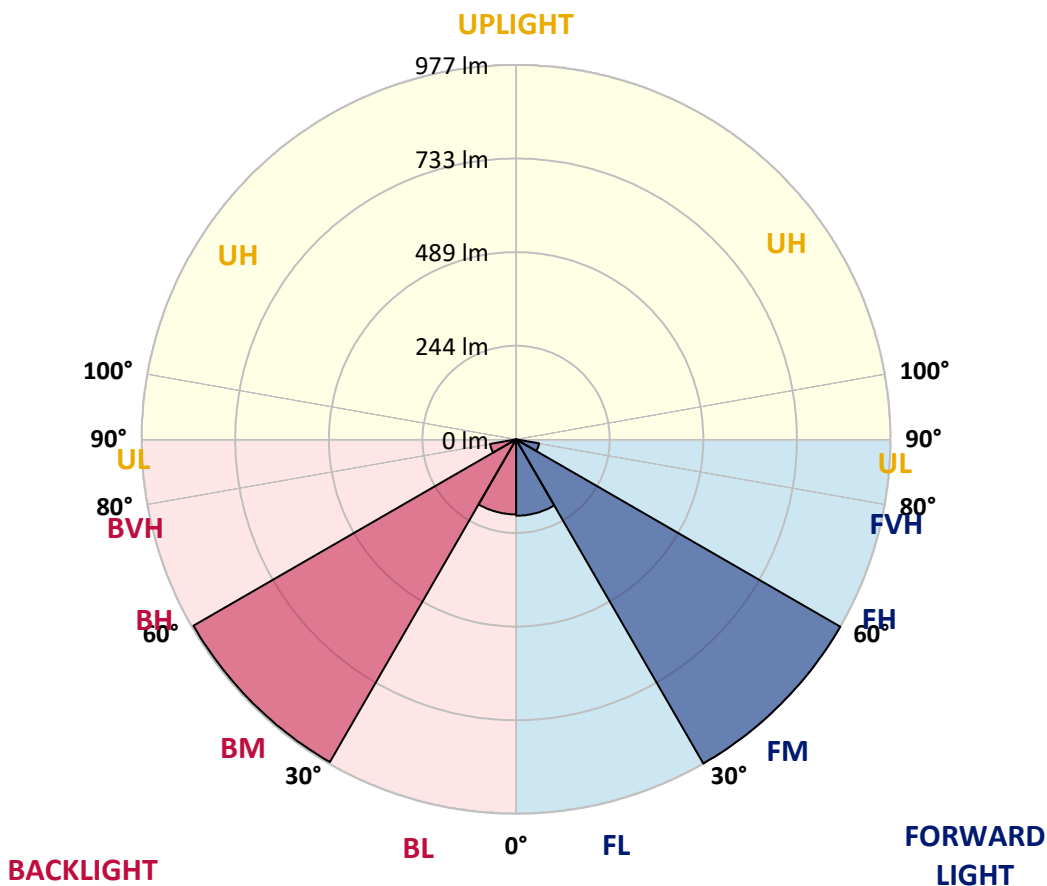
CATALOG NUMBER: GWS-SA1C-830-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.4	8.1			
FM (30°-60°)	977.1	39.5			
FH (60°-80°)	60.8	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	195.9	7.9	B1/500		
BM (30°-60°)	972.4	39.3	B1/1000		
BH (60°-80°)	69.0	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°	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0
2.5°	345.4	346.2	347.3	348.4	349.8	351.2	352.0	354.5	353.9	356.1	356.1
5°	341.6	342.4	343.8	346.2	349.2	352.3	354.5	359.4	362.1	366.5	368.1
7.5°	343.5	344.6	346.2	350.1	354.7	359.4	361.8	369.8	375.3	383.5	388.1
10°	349.8	350.9	353.6	360.2	366.2	372.8	375.8	385.9	394.7	405.9	412.5
12.5°	356.9	358.3	363.8	373.6	384.0	392.8	396.9	408.1	417.1	429.7	440.1
15°	364.3	366.5	375.0	389.5	404.3	416.0	420.4	432.5	441.5	454.9	466.7
17.5°	381.5	384.0	393.6	409.2	429.4	443.1	447.0	459.6	466.4	475.4	487.7
20°	403.2	407.8	419.6	438.5	460.6	473.8	476.5	488.8	488.3	492.1	502.8
22.5°	430.0	433.3	446.1	468.6	493.5	508.0	514.3	519.5	512.7	509.4	516.2
25°	457.9	461.7	475.7	500.3	528.3	545.0	550.2	554.3	543.3	531.0	531.8
27.5°	494.0	496.8	510.5	536.7	564.7	583.5	588.2	595.3	580.8	561.1	555.6
30°	537.0	539.7	554.3	581.9	609.5	625.7	632.8	641.6	625.7	601.1	594.8
32.5°	587.4	590.1	608.7	637.2	659.9	677.4	684.3	693.6	681.0	653.3	646.2
35°	647.6	649.2	671.1	702.1	726.1	743.1	747.8	758.7	744.8	717.1	713.3
37.5°	717.4	719.3	743.1	779.0	803.6	822.5	829.9	832.9	815.9	785.0	782.0
40°	794.0	800.3	823.6	862.2	889.8	913.6	920.2	910.1	886.3	844.1	838.6
42.5°	873.9	879.4	905.4	947.3	979.3	1003.7	1004.0	982.1	941.6	883.3	875.0
45°	940.5	942.6	976.3	1018.5	1057.9	1075.1	1076.8	1037.1	976.0	906.0	888.5
47.5°	986.2	989.7	1019.0	1059.5	1103.0	1118.6	1115.4	1065.8	992.5	920.7	891.7
50°	986.7	992.7	1024.5	1063.6	1105.8	1124.7	1120.0	1074.0	1001.8	921.3	883.8
52.5°	899.4	909.3	961.0	1017.6	1082.2	1114.5	1115.6	1084.7	998.2	912.5	876.7
55°	678.5	689.2	754.3	851.0	975.8	1065.8	1081.4	1072.1	994.1	916.4	889.3
57.5°	359.1	350.9	387.0	482.8	639.7	799.0	844.7	919.1	948.4	921.0	912.5
60°	78.3	83.5	111.1	149.7	249.6	375.8	420.4	548.0	699.6	766.9	815.6
62.5°	33.7	33.1	34.5	39.1	57.2	95.2	116.3	190.0	299.7	411.7	487.5
65°	27.6	27.9	29.0	29.0	27.1	27.4	28.7	43.5	70.1	98.3	131.9
67.5°	20.8	21.1	23.0	23.5	22.2	19.7	19.4	16.4	17.2	21.6	22.4
70°	13.1	13.1	14.2	14.8	14.8	13.7	13.4	11.8	11.5	13.1	14.8
72.5°	7.1	7.1	7.7	7.9	7.7	7.4	7.4	7.1	6.8	7.9	10.1
75°	3.0	3.0	3.3	3.3	3.0	3.0	3.0	3.0	3.0	3.6	5.5
77.5°	0.5	0.8	1.1	0.8	0.5	0.5	0.5	0.8	0.8	1.1	1.6
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°	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0
2.5°	358.0	355.0	356.1	356.6	355.8	355.3	352.3	351.4	350.1	347.9	347.3
5°	370.1	367.6	367.3	365.7	361.8	357.2	351.4	349.0	346.2	343.5	343.0
7.5°	390.3	387.3	385.4	379.9	371.1	363.8	354.2	349.0	345.4	341.9	341.0
10°	416.3	412.7	407.3	397.1	385.4	374.7	363.5	356.6	351.2	346.2	346.0
12.5°	444.0	440.1	430.3	417.4	403.2	393.3	379.1	369.5	361.3	353.9	353.1
15°	473.0	468.3	454.9	439.6	426.4	416.3	400.7	385.4	372.8	362.1	361.0
17.5°	495.1	489.4	473.5	462.0	451.3	440.9	423.4	403.2	386.5	373.6	370.6
20°	509.1	503.6	488.6	482.3	477.3	470.0	449.2	428.1	409.5	393.6	390.9
22.5°	522.5	515.9	502.8	502.8	506.6	503.6	481.2	457.1	435.2	416.9	412.7
25°	537.6	532.4	523.1	530.7	540.3	540.0	517.0	486.9	461.7	441.2	437.1
27.5°	559.5	554.3	551.0	565.5	577.5	576.7	551.5	518.9	492.4	472.1	468.3
30°	598.0	593.1	589.6	607.1	622.4	616.7	589.0	557.5	530.7	507.7	505.0
32.5°	649.5	644.3	639.7	657.2	670.9	663.5	637.2	607.6	576.7	554.3	548.8
35°	717.1	706.2	701.5	722.3	728.1	719.8	694.7	668.7	635.8	610.1	606.5
37.5°	786.9	774.0	770.8	788.8	798.1	795.1	765.6	738.5	702.9	674.4	670.3
40°	846.6	834.8	829.1	857.2	878.3	880.2	853.7	820.6	778.7	749.1	741.7
42.5°	881.6	871.5	870.1	913.9	948.4	973.0	941.3	907.1	863.0	829.6	823.6
45°	889.5	883.0	894.5	952.0	1005.6	1050.5	1023.4	987.3	939.6	904.3	898.6
47.5°	888.7	886.5	907.1	971.7	1039.5	1094.8	1081.4	1040.6	994.7	957.7	952.2
50°	877.0	877.2	911.4	981.5	1053.2	1106.9	1093.5	1055.7	1014.6	978.2	973.8
52.5°	872.3	870.7	903.2	978.5	1067.2	1101.4	1071.3	1028.9	983.2	938.3	931.7
55°	888.7	884.6	904.3	976.0	1068.8	1098.4	1019.0	927.0	833.4	780.3	776.0
57.5°	913.4	909.0	918.3	958.0	983.2	913.4	750.0	601.6	505.3	464.5	446.7
60°	815.6	812.6	805.5	757.6	649.8	490.2	333.9	212.9	153.0	123.7	123.7
62.5°	506.1	502.0	463.4	344.3	250.2	144.8	79.6	49.8	37.8	35.3	35.0
65°	142.1	141.2	116.9	82.7	52.6	32.6	28.7	29.3	28.7	27.9	27.6
67.5°	21.3	23.5	23.5	19.2	18.3	20.5	24.1	25.7	24.4	23.0	22.4
70°	13.7	14.8	14.2	12.3	13.1	15.3	17.2	17.5	16.7	15.3	15.1
72.5°	9.6	10.7	8.8	7.9	8.2	9.0	9.9	9.9	9.6	9.0	8.5
75°	5.7	5.7	4.1	3.8	3.8	4.1	4.1	4.7	4.7	4.4	4.1
77.5°	1.9	2.2	1.4	1.1	1.1	1.1	1.4	1.6	1.6	1.4	1.1
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)