

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: P629140

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1568.1 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

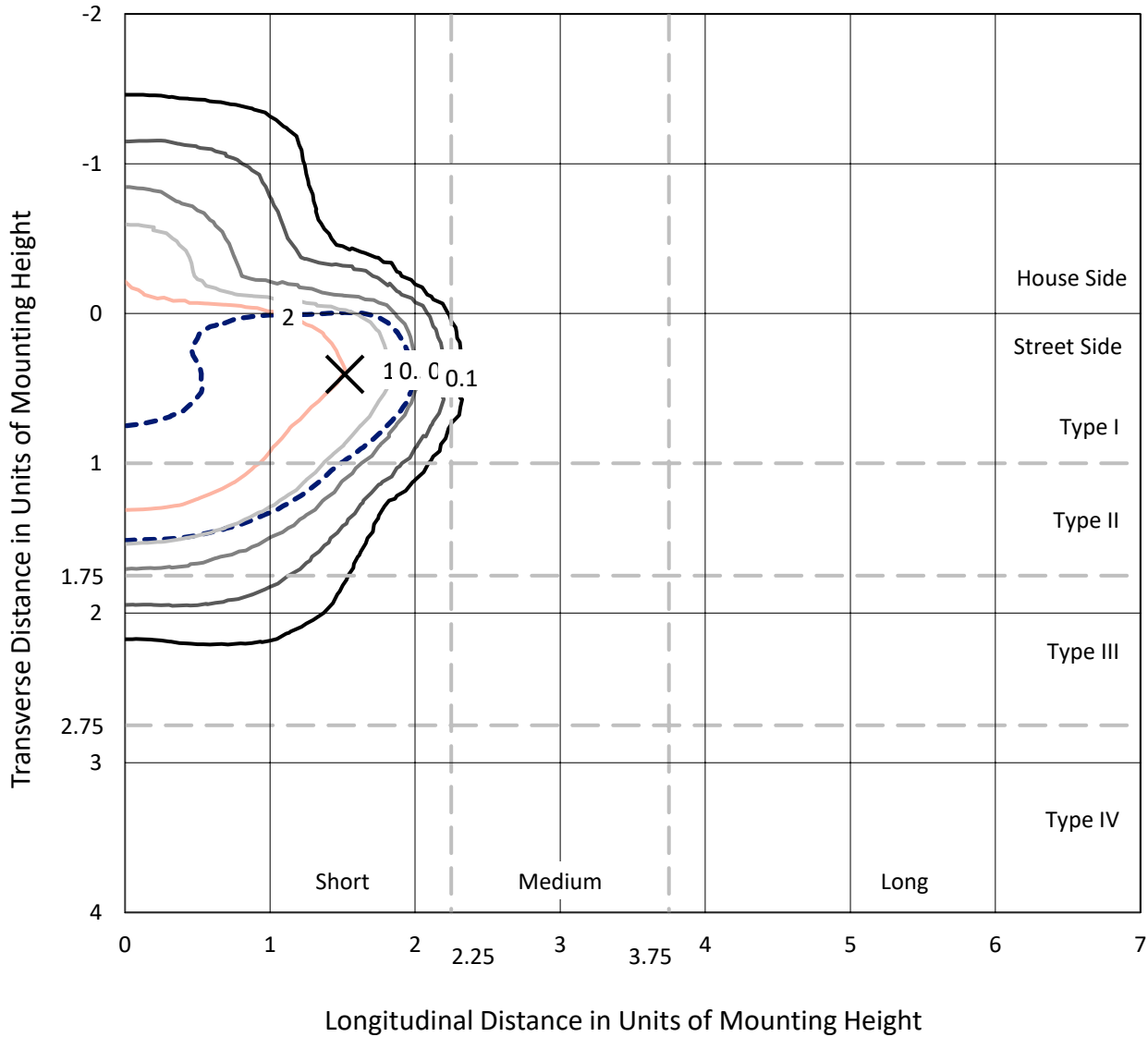
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

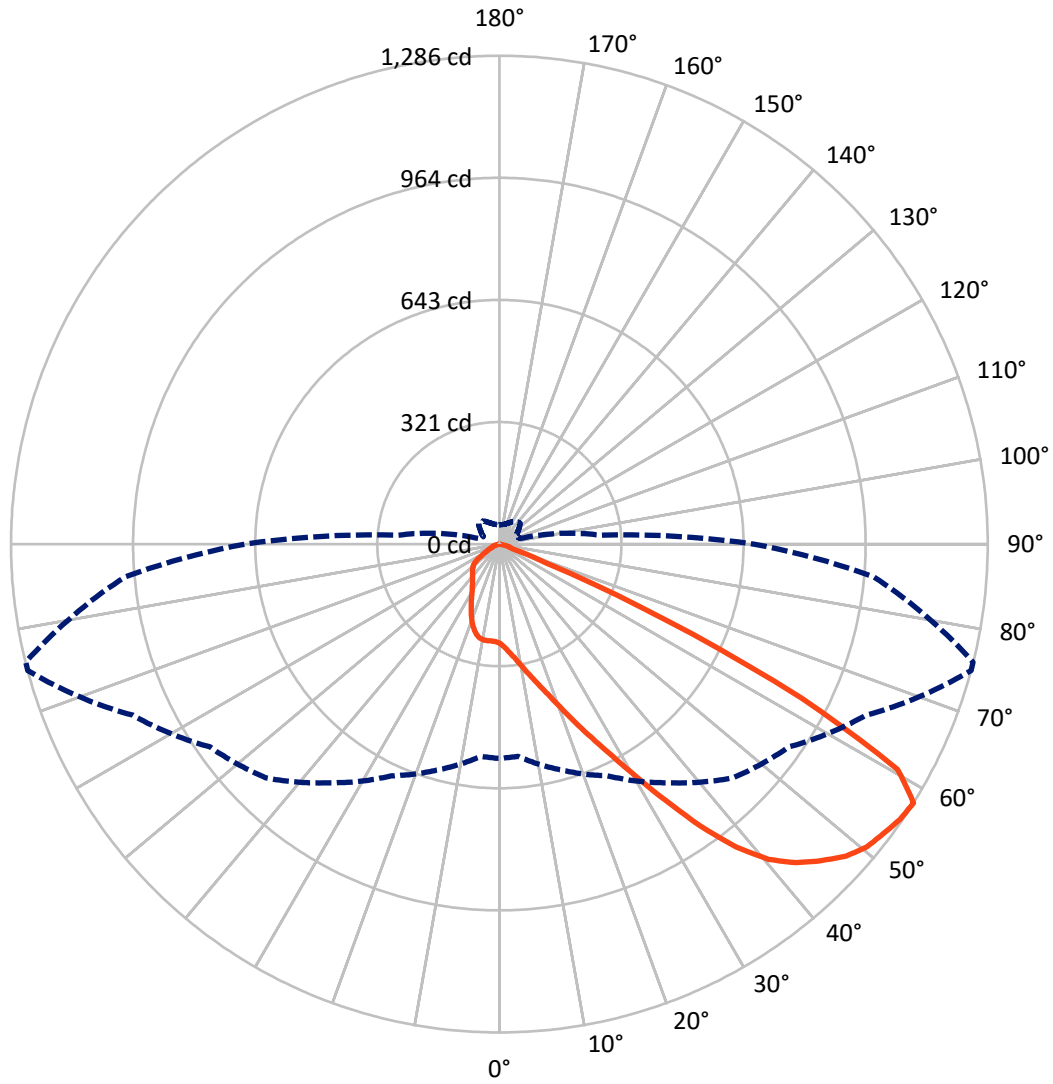
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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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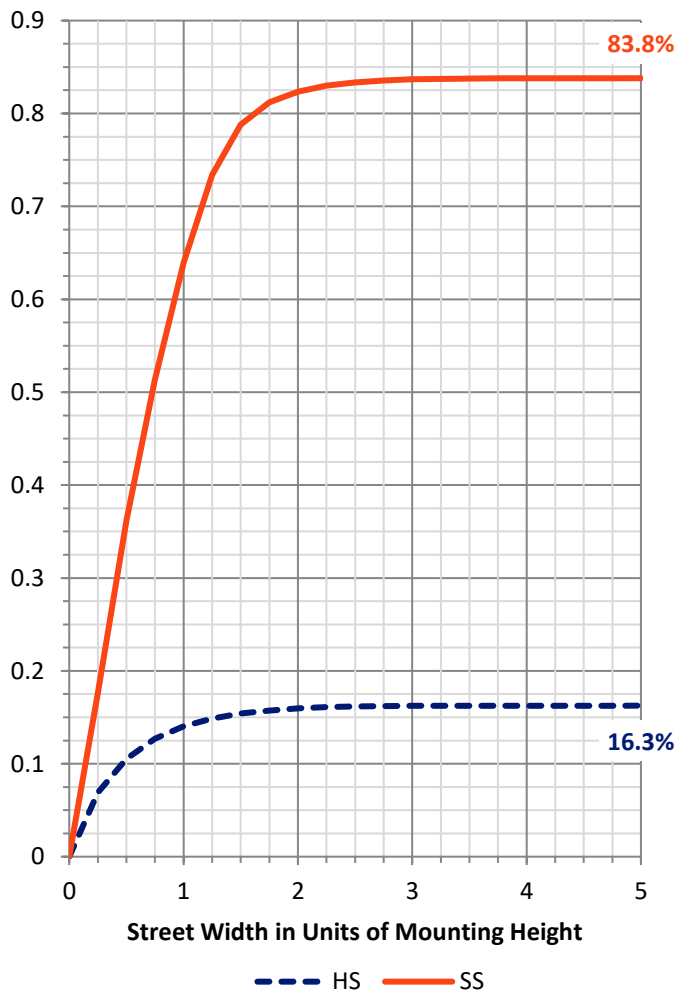
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	256.1	0.0	256.1
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1312.0	0.0	1312.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	1568.1	0.0	1568.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	1.7
10°-20°	86.5	5.5
20°-30°	158.3	10.1
30°-40°	262.7	16.8
40°-50°	401.1	25.6
50°-60°	450.8	28.7
60°-70°	166.3	10.6
70°-80°	15.9	1.0
80°-90°	0.0	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°	1568.1	100.0
0°-180°	1568.1	100.0

Coefficient of Utilization



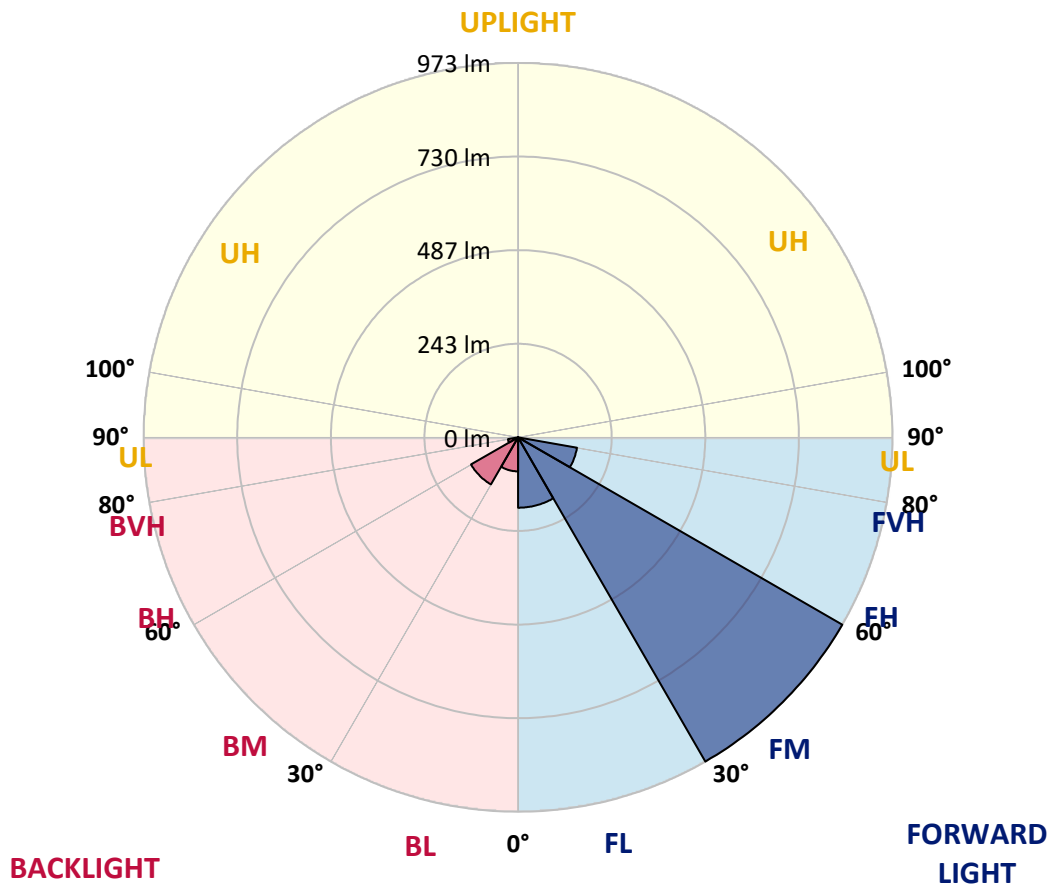
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.0	11.7			
FM (30°-60°)	973.4	62.1			
FH (60°-80°)	155.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	88.4	5.6	B0/110		
BM (30°-60°)	141.2	9.0	B0/220		
BH (60°-80°)	26.6	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5
2.5°	292.2	295.2	294.3	292.4	291.2	287.3	284.8	277.6	272.5	271.9	267.2
5°	329.1	328.5	327.8	325.5	323.6	317.4	310.0	297.9	287.1	285.8	275.7
7.5°	349.3	349.7	350.1	349.7	348.4	343.7	335.5	321.3	304.9	303.7	287.8
10°	357.7	358.4	360.3	363.9	367.1	366.8	362.0	347.5	327.2	325.3	303.9
12.5°	361.6	362.6	365.6	372.4	381.1	388.0	388.7	375.7	353.3	350.3	323.0
15°	367.1	368.1	371.9	380.8	393.4	406.9	415.6	407.3	382.3	379.1	344.0
17.5°	369.6	370.9	376.4	388.1	404.6	425.2	444.9	444.2	416.5	414.1	368.5
20°	374.3	375.3	380.2	392.9	412.7	442.5	475.6	487.5	458.4	454.8	398.0
22.5°	389.3	389.7	391.9	399.9	418.4	454.9	506.8	538.0	507.7	503.0	431.1
25°	413.7	413.5	414.4	415.8	429.4	467.6	536.9	595.0	564.3	559.2	468.6
27.5°	444.7	444.7	447.0	443.2	448.7	483.3	566.6	660.5	630.2	623.0	509.6
30°	481.3	481.1	486.4	480.3	482.0	508.1	598.6	731.8	709.7	700.8	556.9
32.5°	530.8	529.7	535.8	527.4	521.7	545.6	637.6	806.4	804.9	791.2	616.4
35°	593.5	591.6	593.5	585.3	575.1	598.0	688.7	880.7	910.5	896.1	687.2
37.5°	655.7	661.8	663.9	649.9	641.5	664.4	750.2	947.4	1011.3	996.4	760.8
40°	729.2	727.3	734.5	718.8	713.5	738.8	810.3	996.9	1091.2	1077.0	826.2
42.5°	783.3	786.7	795.6	786.9	782.7	806.6	860.9	1025.9	1146.6	1132.6	873.0
45°	848.2	850.7	854.1	846.9	842.5	866.0	897.4	1038.6	1188.8	1173.7	904.4
47.5°	918.4	920.3	920.3	905.5	891.5	901.2	921.8	1045.8	1227.6	1213.1	927.7
50°	968.7	969.7	978.0	967.6	937.1	922.2	933.0	1052.8	1253.4	1239.7	935.3
52.5°	924.1	923.0	950.4	972.0	980.1	950.4	952.3	1063.0	1265.9	1254.1	941.3
55°	778.2	776.3	814.9	867.3	939.0	977.1	975.6	1069.0	1279.7	1272.5	963.3
57.5°	564.1	560.9	614.7	673.0	767.0	870.2	930.7	1065.6	1285.7	1285.2	988.8
60°	339.1	336.5	387.2	448.5	521.2	624.9	725.4	954.6	1204.7	1205.9	922.4
62.5°	208.7	211.2	257.0	288.2	315.3	346.5	404.6	642.1	892.5	899.9	648.2
65°	140.4	142.3	184.7	224.1	224.1	183.2	157.3	307.0	476.1	463.7	306.6
67.5°	94.2	96.3	129.8	175.8	182.4	127.7	63.8	91.6	132.7	128.7	75.9
70°	55.4	57.7	86.5	120.5	132.9	88.9	42.6	38.8	37.7	36.5	29.5
72.5°	24.8	25.7	44.1	61.3	56.0	37.5	30.1	31.0	29.3	28.8	24.0
75°	7.6	7.9	11.4	13.2	13.4	13.4	18.2	24.4	23.1	23.3	18.5
77.5°	1.9	1.9	3.0	2.8	1.5	1.3	3.4	5.5	5.7	5.1	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5
2.5°	265.1	260.2	257.0	252.5	249.2	245.8	242.8	240.3	239.0	238.6	238.8
5°	271.2	263.4	255.9	247.2	241.1	235.4	230.9	227.3	225.6	225.0	225.0
7.5°	280.5	269.7	256.2	242.6	232.4	223.5	218.2	214.2	212.7	212.3	211.2
10°	292.6	277.8	255.7	234.5	220.1	210.8	207.0	205.9	206.5	206.7	206.5
12.5°	307.1	286.3	252.1	222.6	207.0	201.4	201.7	204.8	208.2	209.9	210.3
15°	322.7	294.1	243.9	208.4	195.9	195.7	201.2	208.2	214.8	217.6	218.4
17.5°	340.1	300.3	231.4	193.2	186.2	191.7	201.5	212.3	221.2	226.0	226.9
20°	359.2	305.4	215.6	179.0	177.7	187.5	201.2	214.4	225.4	230.7	231.6
22.5°	379.1	309.0	197.2	166.0	169.9	182.8	197.6	210.4	220.8	226.9	227.7
25°	401.8	309.4	178.5	155.0	162.8	176.4	188.9	199.5	208.2	213.5	214.0
27.5°	421.6	304.9	161.8	146.1	156.1	168.4	176.8	182.6	188.7	191.7	191.9
30°	444.5	296.9	146.1	138.9	149.3	158.6	162.8	164.1	164.6	165.2	164.5
32.5°	471.8	287.3	134.4	131.9	141.6	147.8	148.9	146.3	143.1	138.5	137.4
35°	505.3	278.6	124.7	125.1	133.0	136.8	135.9	130.2	124.0	118.5	117.5
37.5°	541.6	271.2	117.3	118.5	123.8	126.4	123.6	117.3	114.5	109.8	110.0
40°	573.8	265.1	110.7	111.8	114.3	116.8	112.2	108.1	113.4	113.0	113.4
42.5°	596.7	260.0	105.0	104.5	106.2	107.9	104.5	102.4	111.3	108.8	110.1
45°	610.1	255.3	100.3	96.9	99.5	102.6	100.3	97.7	100.7	89.3	88.4
47.5°	619.2	252.6	96.1	89.5	94.2	99.5	94.8	88.4	84.0	74.2	73.4
50°	620.2	251.3	91.2	81.9	88.0	93.7	88.2	79.3	73.0	68.7	68.1
52.5°	625.1	254.0	84.4	72.3	78.9	88.0	84.2	75.3	66.8	63.0	62.3
55°	647.0	265.1	73.0	59.0	68.7	83.6	81.0	67.2	59.0	56.8	56.2
57.5°	669.7	267.4	57.5	46.7	59.8	77.4	74.0	61.9	53.9	51.3	50.7
60°	612.4	220.3	43.1	38.6	52.8	71.5	68.5	58.7	49.4	46.2	45.6
62.5°	402.3	119.0	34.3	32.7	44.5	60.6	62.5	53.0	44.1	40.7	40.5
65°	185.5	55.3	26.3	25.9	34.8	48.3	53.7	46.4	37.3	34.3	34.3
67.5°	50.5	27.4	20.6	19.1	23.7	32.4	39.2	34.6	26.5	22.9	22.7
70°	25.2	22.1	18.5	16.5	17.0	20.1	23.1	19.3	13.4	11.0	10.8
72.5°	20.6	18.2	15.7	14.0	12.9	12.3	11.9	9.7	6.2	4.7	4.5
75°	15.3	13.1	11.2	9.1	7.8	7.2	6.4	4.7	2.6	1.5	1.3
77.5°	3.4	3.2	3.0	2.3	2.1	1.7	1.3	0.9	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)