

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: P629484

Luminaire Tested: GWS-SA1B-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2830.6 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

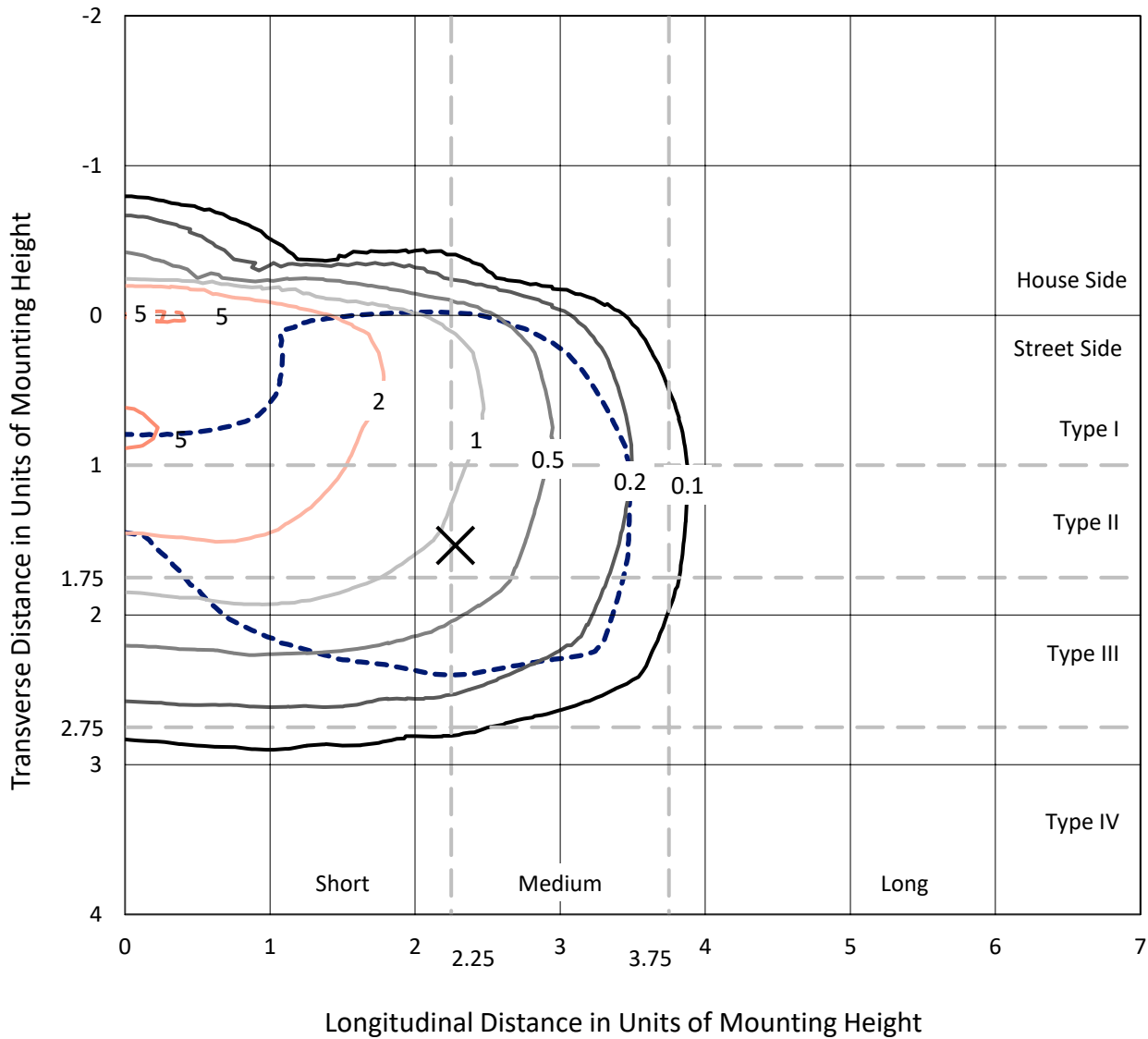
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629484
 CATALOG NUMBER: GWS-SA1B-760-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

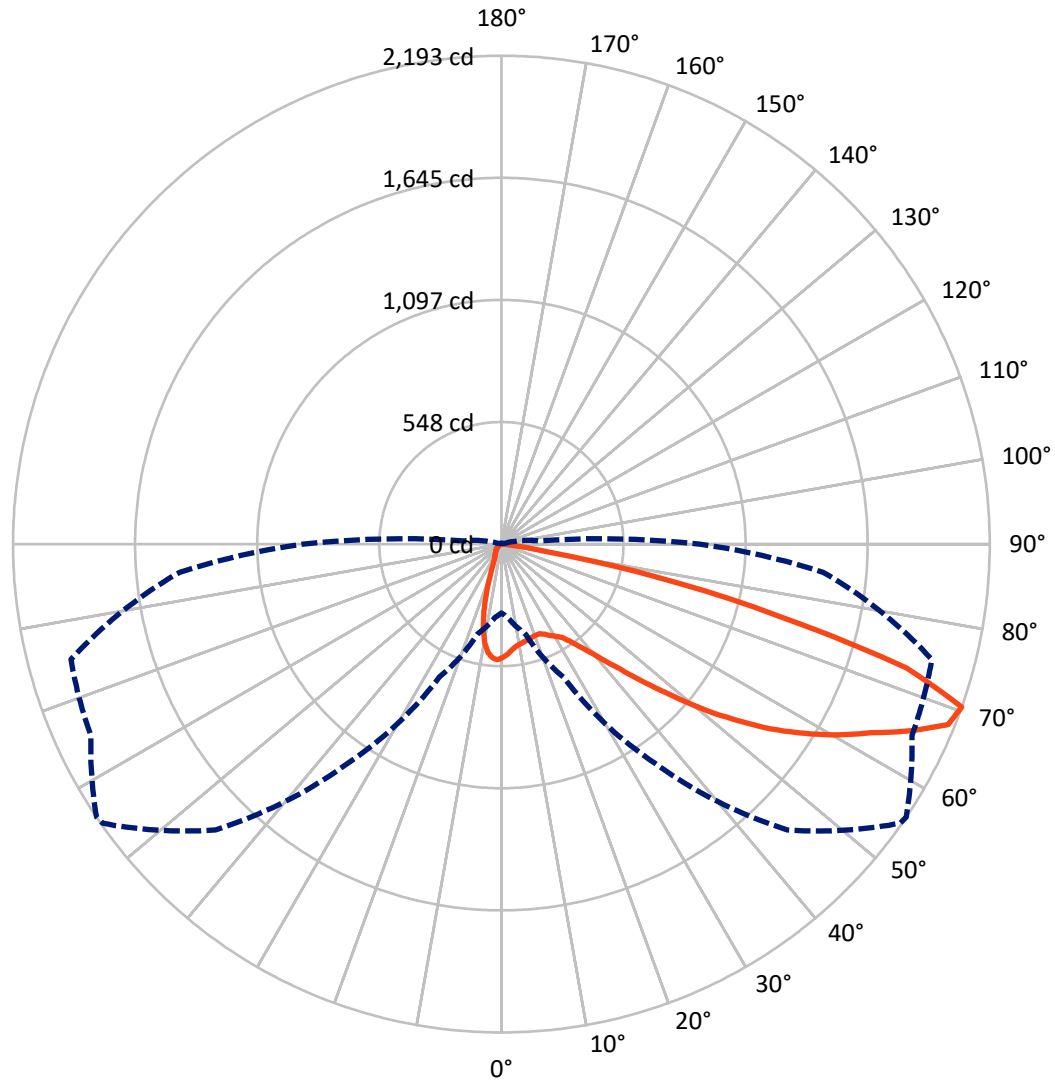
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P629484
CATALOG NUMBER: GWS-SA1B-760-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P629484

CATALOG NUMBER: GWS-SA1B-760-U-T3R-W-HSS

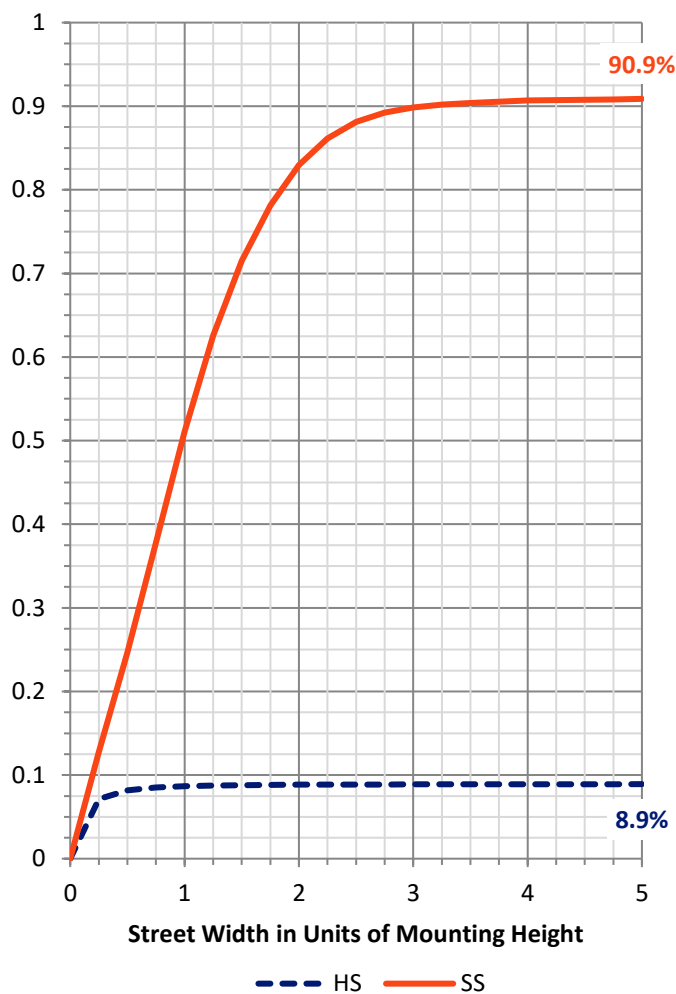
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	254.3	0.0	254.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2576.4	0.0	2576.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	2830.6	0.0	2830.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	1.5
10°-20°	98.6	3.5
20°-30°	156.1	5.5
30°-40°	269.2	9.5
40°-50°	454.6	16.1
50°-60°	668.0	23.6
60°-70°	791.9	28.0
70°-80°	337.7	11.9
80°-90°	10.6	0.4
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°	2830.6	100.0
0°-180°	2830.6	100.0

Coefficient of Utilization



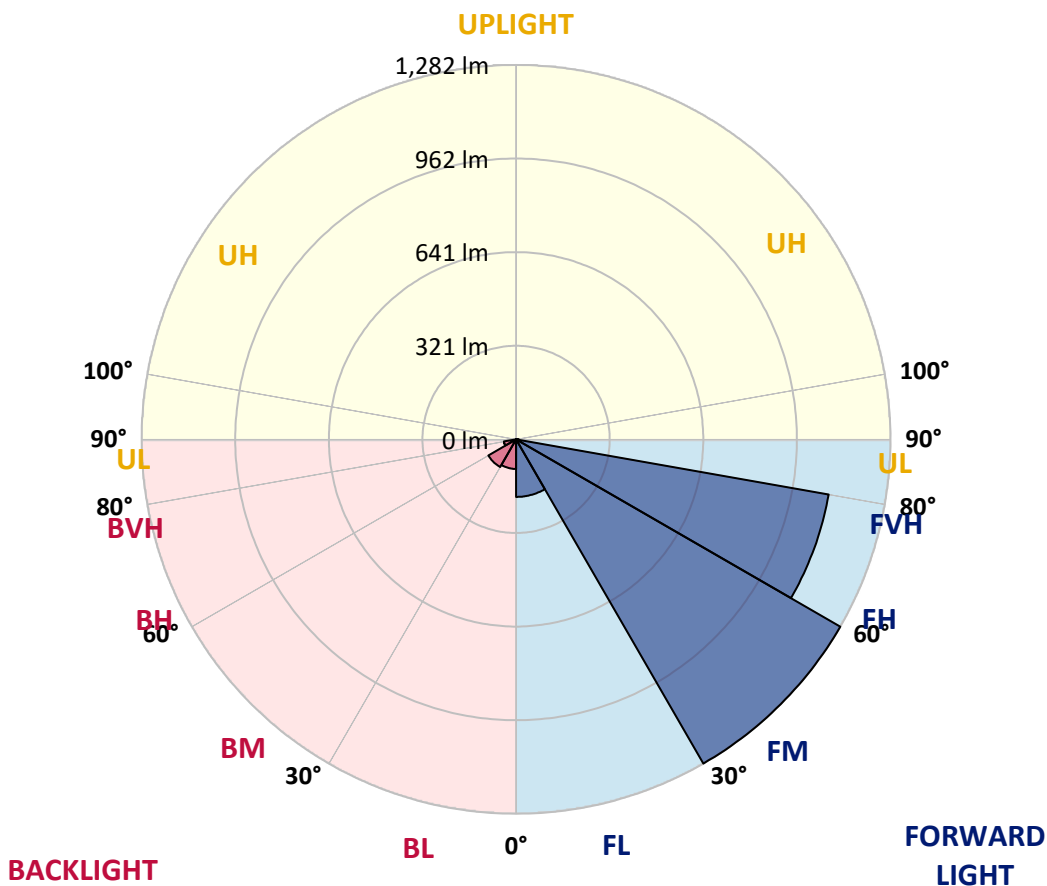
REPORT NUMBER: P629484

CATALOG NUMBER: GWS-SA1B-760-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.2	7.0			
FM (30°-60°)	1282.3	45.3			
FH (60°-80°)	1087.3	38.4			G1/1800
FVH (80°-90°)	9.5	0.3			G0/10
BL (0°-30°)	101.3	3.6	B0/110		
BM (30°-60°)	109.5	3.9	B0/220		
BH (60°-80°)	42.4	1.5	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Medium





REPORT NUMBER: P629484

CATALOG NUMBER: GWS-SA1B-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4
2.5°	475.1	474.4	474.9	478.8	486.0	489.4	495.1	496.1	500.8	506.8	509.1
5°	444.3	441.7	443.0	448.4	456.7	466.1	476.7	479.5	491.2	504.4	514.3
7.5°	416.0	413.2	416.3	424.8	436.5	446.6	462.4	464.2	482.9	506.2	524.1
10°	371.7	372.5	378.7	393.7	411.6	432.6	453.9	456.5	479.5	512.2	539.9
12.5°	337.8	335.9	342.7	359.8	384.9	415.5	447.4	450.8	479.8	521.3	560.2
15°	321.9	321.4	324.3	336.7	361.1	397.1	441.4	445.8	483.2	529.6	579.3
17.5°	322.5	321.7	321.4	328.7	346.8	383.4	435.0	440.7	486.0	538.6	599.6
20°	345.0	341.4	334.9	331.5	342.4	374.6	430.5	437.0	490.2	548.2	621.1
22.5°	392.2	393.5	376.1	358.0	352.8	375.6	430.0	437.5	499.2	563.3	647.5
25°	486.5	484.5	452.3	411.6	383.4	387.5	439.1	448.2	517.1	584.8	672.4
27.5°	604.7	606.6	562.5	497.7	438.6	412.1	455.7	464.8	537.9	598.3	689.0
30°	733.6	731.8	684.6	612.8	516.9	453.1	472.3	480.3	548.2	605.5	706.1
32.5°	855.4	851.2	804.6	729.4	616.7	517.6	495.1	499.8	562.0	621.3	729.2
35°	959.3	959.1	918.4	838.3	719.3	598.5	534.2	538.1	587.6	646.5	763.1
37.5°	1066.7	1063.0	1017.4	944.3	824.8	687.2	594.1	592.6	628.1	683.5	804.8
40°	1154.8	1152.5	1117.5	1047.2	934.5	785.1	666.7	662.0	676.0	734.9	862.9
42.5°	1220.1	1220.4	1209.5	1166.7	1050.6	898.4	757.9	750.7	750.4	812.4	939.6
45°	1269.6	1273.0	1289.3	1282.8	1187.7	1030.4	874.8	867.3	854.6	912.9	1027.5
47.5°	1292.7	1297.1	1346.3	1372.3	1307.7	1161.3	1014.0	998.2	973.3	1046.7	1125.8
50°	1290.4	1298.1	1366.8	1445.6	1416.6	1294.0	1165.7	1158.2	1117.5	1188.2	1223.0
52.5°	1237.5	1254.1	1368.1	1490.2	1500.3	1416.3	1322.5	1308.5	1288.8	1336.0	1314.2
55°	1093.9	1114.1	1313.4	1504.5	1565.6	1523.1	1475.9	1464.5	1431.9	1475.4	1393.8
57.5°	1015.8	1033.2	1198.3	1497.5	1621.1	1621.9	1612.5	1603.2	1576.3	1613.3	1487.1
60°	968.9	986.3	1136.9	1471.8	1671.4	1726.1	1740.9	1739.8	1700.9	1770.1	1596.5
62.5°	900.2	924.1	1072.9	1405.2	1707.2	1828.7	1873.3	1866.3	1823.0	1933.5	1704.8
65°	761.6	782.3	941.7	1295.3	1686.2	1913.8	2016.9	2020.5	1970.5	2087.2	1790.4
67.5°	534.0	549.3	707.6	1064.6	1543.6	1941.7	2163.9	2163.6	2078.4	2166.0	1752.5
70°	309.5	330.5	418.1	658.1	1200.9	1814.5	2185.9	2193.4	2034.5	2001.4	1450.3
72.5°	119.8	137.1	236.9	349.7	626.3	1389.9	1880.3	1902.3	1702.8	1543.9	1009.4
75°	35.8	39.9	111.5	186.1	251.4	671.4	1273.0	1279.2	1168.0	963.0	517.4
77.5°	26.7	29.6	48.7	94.1	88.1	203.5	658.7	719.3	620.0	344.0	142.6
80°	18.1	21.5	34.7	45.9	32.7	54.2	185.1	203.2	189.2	77.2	35.8
82.5°	8.0	10.4	24.6	23.1	11.9	15.6	57.0	60.7	39.1	23.3	12.4
85°	0.8	1.0	9.3	10.1	4.4	3.6	11.9	11.9	8.6	8.0	5.2
87.5°	0.0	0.0	0.3	0.5	0.5	0.8	1.0	1.3	1.6	2.1	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629484
 CATALOG NUMBER: GWS-SA1B-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4
2.5°	515.1	511.9	515.8	518.9	519.7	514.0	510.6	505.7	504.7	504.9	503.6
5°	522.1	520.5	523.3	520.0	511.2	494.6	480.3	464.5	456.0	451.0	450.5
7.5°	535.0	534.2	531.1	515.8	488.4	451.5	416.0	381.3	359.8	352.0	350.7
10°	554.2	552.6	539.9	503.6	445.1	374.3	314.7	264.9	234.6	225.8	214.9
12.5°	576.2	573.1	545.4	477.5	379.7	281.8	207.4	151.6	125.5	117.7	117.7
15°	597.5	590.7	542.3	434.2	299.4	183.3	115.9	87.6	79.6	77.5	77.5
17.5°	619.3	606.3	530.1	375.1	206.9	108.4	77.2	71.8	70.8	71.0	71.3
20°	639.7	619.5	508.6	304.1	131.9	75.7	69.2	67.9	67.4	67.9	67.7
22.5°	662.0	631.7	475.9	226.6	85.8	68.2	65.8	64.8	64.3	65.1	65.1
25°	684.1	640.5	432.6	152.4	68.2	63.5	62.2	61.2	60.7	60.9	60.9
27.5°	695.5	637.1	375.9	97.2	61.2	58.8	57.5	56.2	55.5	55.2	55.5
30°	703.2	626.8	306.4	69.2	55.5	52.6	51.3	50.3	48.2	46.9	47.4
32.5°	715.4	616.4	231.0	58.1	50.8	46.4	44.3	41.7	38.9	37.6	37.6
35°	729.9	602.1	162.0	52.4	45.9	41.2	37.3	32.9	29.6	28.5	28.5
37.5°	749.1	588.7	107.8	48.5	41.7	36.8	31.4	26.2	22.6	22.0	21.8
40°	777.9	577.3	75.9	45.6	38.1	32.1	25.7	20.2	17.6	16.8	16.8
42.5°	815.2	565.6	60.1	42.8	35.0	27.7	20.5	16.1	14.0	13.5	13.2
45°	861.4	551.9	52.4	40.2	31.9	23.1	16.3	13.5	11.9	11.4	11.4
47.5°	911.4	533.2	48.7	36.8	28.3	18.7	13.7	11.7	10.9	10.6	10.4
50°	960.6	508.1	45.6	33.7	24.1	15.3	11.9	10.6	10.1	9.9	9.9
52.5°	1003.7	478.8	41.7	30.1	19.7	13.2	10.6	9.9	9.3	8.8	8.6
55°	1040.5	446.9	36.8	25.9	16.1	11.7	9.9	9.1	8.6	8.0	7.8
57.5°	1087.9	428.7	29.6	21.0	13.2	10.4	9.1	8.3	7.8	7.0	7.0
60°	1140.5	415.5	22.0	16.6	11.4	9.6	8.3	7.5	7.0	6.2	6.2
62.5°	1182.8	395.8	17.4	13.5	9.9	8.6	7.5	6.7	6.2	5.4	5.4
65°	1198.8	355.1	14.3	10.6	8.0	7.5	6.7	6.2	5.4	4.7	4.7
67.5°	1126.3	273.7	11.9	8.6	6.7	6.5	6.0	5.7	4.7	4.1	3.9
70°	891.9	166.9	9.9	7.0	5.7	5.4	5.4	4.9	4.1	3.9	3.6
72.5°	611.2	86.1	8.0	5.7	4.9	4.9	4.7	4.4	3.9	3.6	3.6
75°	317.5	28.8	6.2	4.4	3.9	4.1	4.1	3.9	3.6	3.6	3.4
77.5°	91.0	13.0	4.7	3.4	3.1	3.1	3.4	3.4	3.4	3.1	3.1
80°	23.6	7.5	3.4	2.6	2.6	2.6	2.6	2.9	3.1	2.9	2.9
82.5°	9.6	4.1	2.3	2.1	2.1	2.1	2.1	2.3	2.6	2.6	2.6
85°	6.0	2.1	1.8	1.8	1.8	1.6	1.6	1.8	1.8	2.1	2.1
87.5°	3.6	1.6	1.6	1.6	1.6	1.3	1.3	1.3	1.3	1.3	1.3
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)