

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: P629918

Luminaire Tested: GWS-SA1C-750-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629918  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

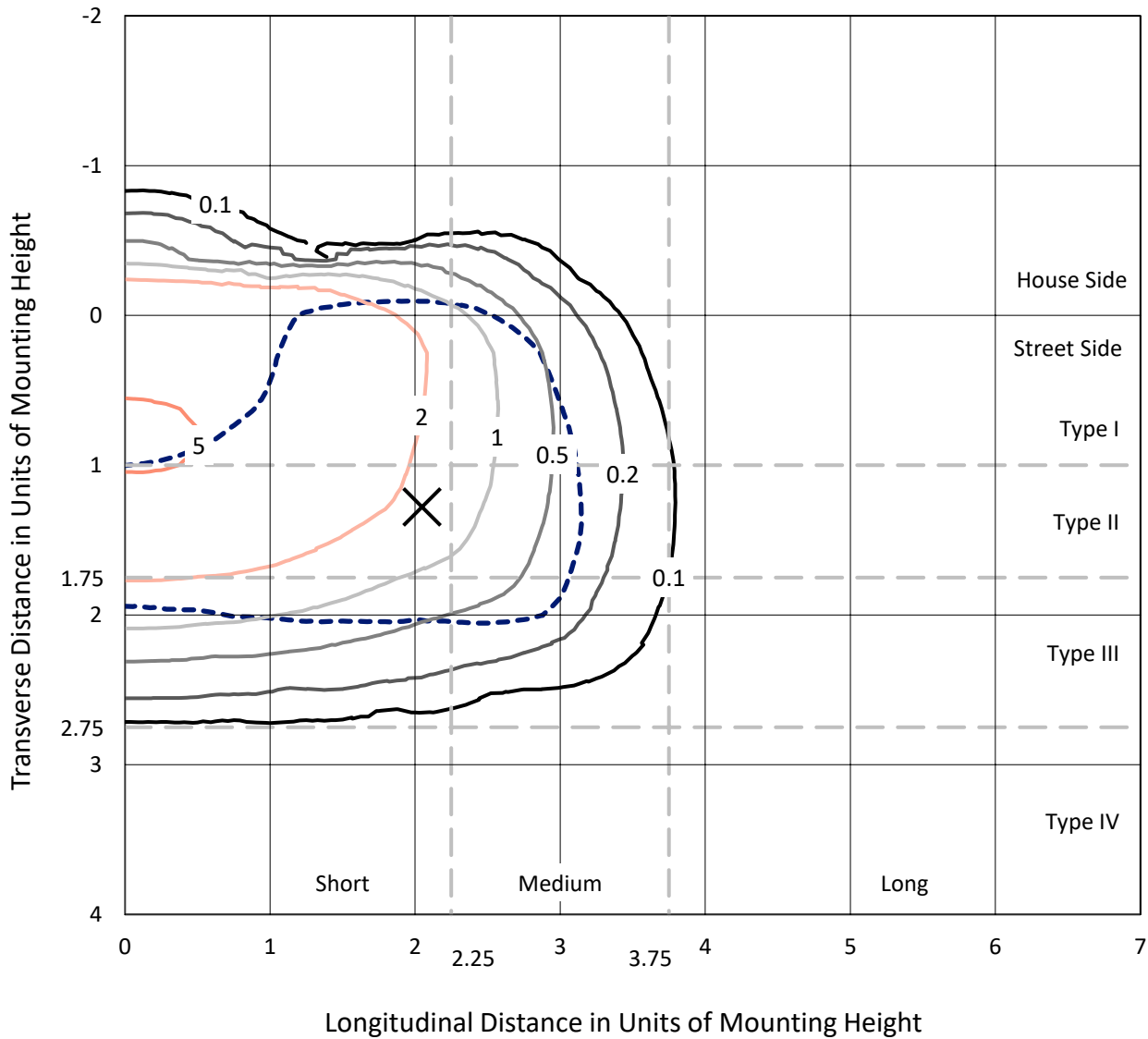
Lumens per Lamp: N/A  
Luminaire Lumens: 3609.6 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

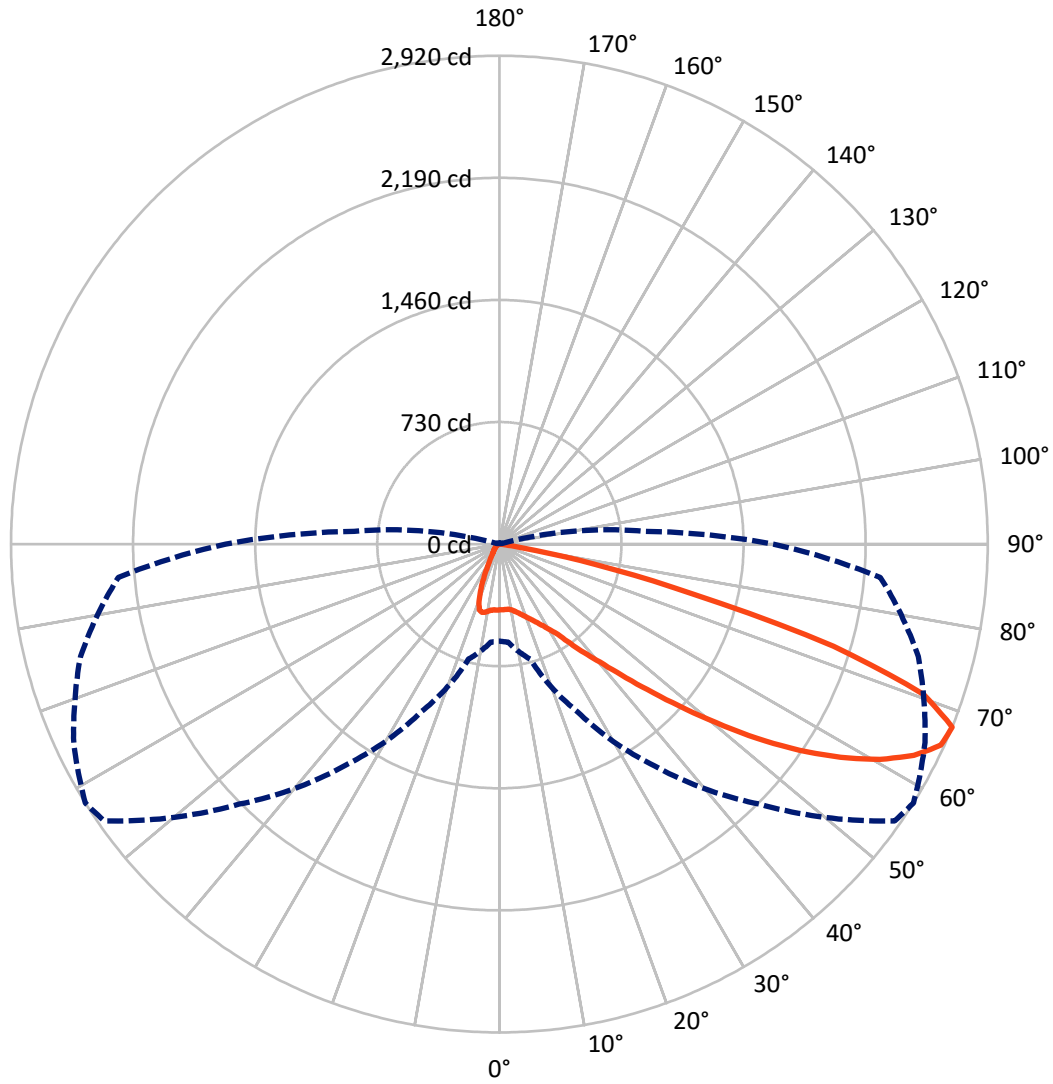
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P629918  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1C-750-U-T3-W-HSS

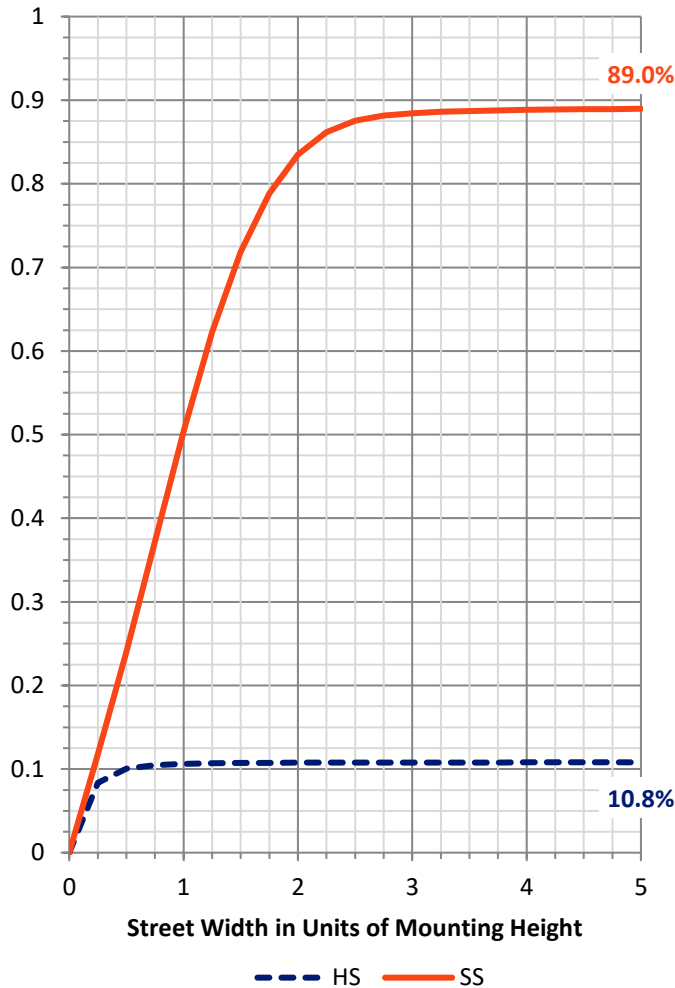
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	393.8	0.0	393.8
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	3215.8	0.0	3215.8
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	3609.6	0.0	3609.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.9	1.0
10°-20°	103.7	2.9
20°-30°	181.1	5.0
30°-40°	323.4	9.0
40°-50°	591.1	16.4
50°-60°	983.1	27.2
60°-70°	1067.8	29.6
70°-80°	313.5	8.7
80°-90°	8.9	0.2
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°	3609.6	100.0
0°-180°	3609.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629918

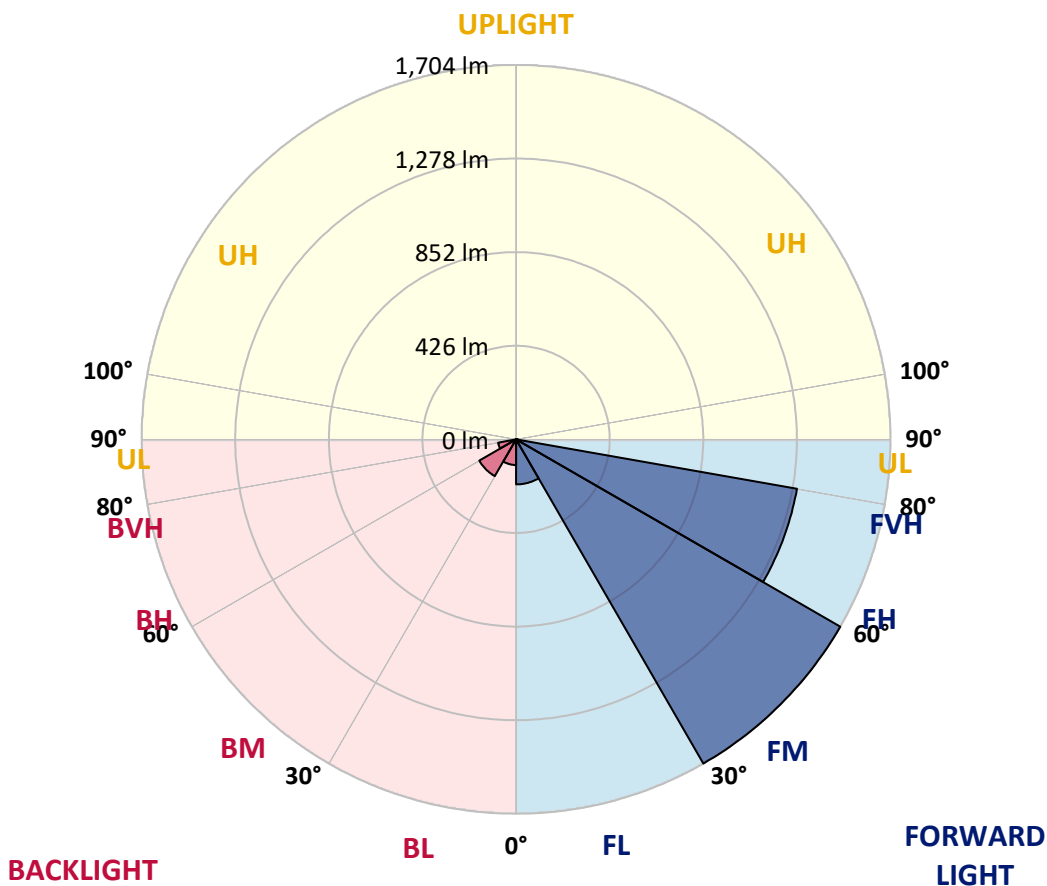
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.0	5.7			
FM (30°-60°)	1704.2	47.2			
FH (60°-80°)	1298.2	36.0			G1/1800
FVH (80°-90°)	8.5	0.2			G0/10
BL (0°-30°)	116.8	3.2	B1/500		
BM (30°-60°)	193.4	5.4	B0/220		
BH (60°-80°)	83.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3
2.5°	385.9	385.2	385.2	388.1	388.4	389.8	393.0	393.3	395.1	394.4	391.9
5°	365.8	366.2	368.3	373.2	377.5	382.8	390.5	392.3	396.2	398.3	396.9
7.5°	347.2	347.5	350.7	358.4	366.6	377.1	389.8	393.3	401.1	406.7	407.1
10°	340.1	339.8	342.9	351.7	362.3	377.1	395.5	400.0	411.7	421.5	423.3
12.5°	342.2	341.9	345.1	353.2	364.8	383.5	405.3	411.7	426.5	441.6	444.8
15°	350.7	350.3	352.5	359.2	371.8	391.2	418.0	427.5	446.2	464.5	469.5
17.5°	376.1	374.3	372.2	372.9	380.3	400.4	434.2	445.9	469.1	491.0	495.2
20°	421.2	416.6	411.0	403.6	400.0	413.8	452.9	466.3	494.5	519.5	520.2
22.5°	489.2	487.4	474.4	452.9	437.7	438.1	474.8	490.3	524.8	552.3	548.4
25°	584.0	583.0	562.9	527.6	488.1	474.8	502.6	518.5	560.8	590.0	577.7
27.5°	701.7	694.3	670.7	623.1	564.3	522.3	537.8	551.9	598.8	626.3	603.0
30°	804.3	804.7	782.4	732.8	666.5	593.9	580.8	593.2	633.7	662.6	634.4
32.5°	903.0	906.2	881.8	837.1	764.5	687.3	642.5	644.6	678.5	709.8	675.7
35°	994.6	997.1	980.2	942.1	874.4	784.9	728.5	727.5	745.8	777.9	733.1
37.5°	1097.2	1099.7	1083.1	1048.9	985.5	896.6	826.2	824.7	832.1	858.2	807.1
40°	1206.4	1211.0	1192.7	1163.8	1103.2	1028.1	939.6	927.0	919.6	950.2	903.0
42.5°	1317.1	1324.2	1317.8	1288.9	1237.1	1175.1	1087.0	1067.2	1051.4	1089.8	1039.7
45°	1454.6	1463.0	1460.2	1438.0	1397.8	1347.4	1264.3	1241.3	1233.9	1269.5	1210.0
47.5°	1586.7	1595.9	1606.1	1601.2	1572.6	1549.4	1457.0	1444.0	1441.9	1480.0	1387.6
50°	1685.1	1693.5	1732.7	1760.9	1780.2	1775.3	1695.3	1675.9	1672.7	1697.1	1575.1
52.5°	1755.6	1763.7	1817.6	1905.7	1976.9	2015.7	1935.0	1930.7	1913.5	1905.0	1750.6
55°	1810.2	1821.5	1878.2	2011.5	2154.9	2240.9	2190.5	2175.3	2130.9	2082.3	1913.5
57.5°	1821.1	1825.7	1905.7	2085.5	2293.1	2432.3	2432.3	2405.9	2320.2	2252.9	2101.7
60°	1723.1	1737.2	1845.4	2079.5	2352.3	2557.4	2632.8	2614.5	2498.9	2416.1	2282.8
62.5°	1505.7	1521.5	1653.4	1936.0	2293.1	2583.1	2784.7	2781.9	2651.5	2551.1	2433.0
65°	1154.6	1166.3	1281.2	1619.5	2042.8	2484.1	2893.3	2901.0	2772.0	2640.2	2484.8
67.5°	580.1	588.2	712.3	1106.4	1619.2	2199.0	2885.9	2920.4	2808.7	2593.0	2287.1
70°	202.7	210.8	269.3	474.8	985.5	1679.1	2636.4	2692.7	2593.4	2213.4	1687.2
72.5°	69.4	73.3	111.7	176.2	383.5	995.3	2004.8	2089.7	1911.7	1485.9	969.6
75°	39.5	41.9	59.9	95.5	160.7	327.4	1137.4	1189.5	1114.5	809.9	399.0
77.5°	26.8	28.9	37.4	54.3	88.8	105.4	463.8	584.0	509.3	264.3	101.9
80°	15.9	17.3	22.9	32.1	45.5	40.9	99.4	132.2	170.2	78.9	30.7
82.5°	7.4	8.5	14.8	21.1	22.9	17.3	29.3	35.6	47.9	38.8	12.7
85°	0.0	0.0	4.9	8.8	8.5	4.9	8.1	8.8	13.0	19.4	4.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	2.1	3.9	2.1
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°	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3
2.5°	394.7	392.3	395.1	393.7	395.1	394.7	391.9	390.2	390.2	387.0	385.9
5°	399.7	397.2	397.9	394.7	394.0	392.3	388.8	387.3	387.3	384.2	383.1
7.5°	410.6	406.7	406.0	399.7	396.9	391.9	385.6	383.1	382.8	379.6	378.5
10°	427.9	423.3	420.1	412.0	403.9	394.0	380.7	369.4	363.0	354.6	353.9
12.5°	449.0	443.4	438.5	426.1	412.7	390.5	351.0	309.8	284.4	264.3	265.8
15°	472.6	467.4	459.6	440.9	413.4	355.6	273.2	209.7	178.7	162.1	161.4
17.5°	498.4	490.6	477.9	452.6	391.2	271.7	177.6	125.5	109.3	103.6	102.2
20°	522.3	512.8	497.0	455.0	327.1	184.0	111.0	97.3	94.5	92.7	92.7
22.5°	547.7	535.7	512.1	436.0	243.2	117.7	94.5	91.3	89.2	86.7	86.4
25°	573.4	557.9	525.9	386.3	159.3	92.7	88.5	84.9	81.1	77.2	76.1
27.5°	595.3	575.2	536.4	312.3	102.2	83.5	80.7	74.7	69.4	65.2	64.5
30°	621.4	595.6	541.0	228.4	80.4	73.7	69.4	63.1	56.7	52.5	51.1
32.5°	656.3	628.1	534.0	148.7	71.2	64.9	58.2	50.8	44.4	39.8	39.1
35°	710.5	677.1	501.5	94.8	64.5	56.0	47.9	40.2	34.9	31.4	30.7
37.5°	776.8	745.8	448.3	71.2	57.8	48.6	39.1	31.7	27.8	25.4	24.7
40°	875.1	831.8	382.4	62.4	51.1	41.2	32.1	26.1	23.3	21.1	20.4
42.5°	1002.7	933.3	306.6	56.7	44.8	34.5	26.1	21.5	19.0	17.6	17.3
45°	1151.8	1032.3	226.6	51.1	38.8	28.5	21.5	17.6	15.9	14.8	14.5
47.5°	1304.4	1119.0	156.5	45.1	33.1	23.6	18.0	15.2	13.7	12.3	12.0
50°	1467.3	1192.4	106.8	39.1	28.2	19.4	15.5	13.7	12.0	10.9	10.6
52.5°	1586.7	1219.5	74.4	33.8	24.0	16.6	13.7	12.3	10.9	9.5	9.2
55°	1697.1	1218.8	56.4	28.5	20.4	14.5	12.3	10.9	9.5	8.5	8.1
57.5°	1807.0	1209.3	44.4	24.3	17.6	13.0	10.9	9.5	8.8	7.4	7.0
60°	1878.2	1173.3	34.5	20.4	15.2	11.3	9.5	8.5	7.4	6.3	6.0
62.5°	1915.9	1123.3	26.4	16.2	12.3	9.9	8.5	7.4	6.3	5.3	4.9
65°	1864.8	1034.5	20.8	12.7	9.5	8.5	7.0	6.0	4.9	3.9	3.5
67.5°	1638.2	872.3	16.2	10.2	7.4	6.3	6.0	4.9	3.5	2.8	2.5
70°	1157.8	597.4	12.7	7.8	5.6	4.9	4.6	3.9	2.8	2.1	1.8
72.5°	635.5	301.3	9.2	5.6	4.2	3.9	3.5	3.2	2.5	1.8	1.8
75°	244.6	82.8	6.7	3.9	2.8	2.8	2.5	2.5	2.1	1.4	1.4
77.5°	63.8	24.7	4.2	2.5	1.8	1.8	1.8	1.4	1.4	1.1	1.1
80°	20.4	8.1	2.5	1.8	1.4	1.1	1.1	0.7	1.1	0.7	0.7
82.5°	6.7	2.8	1.4	1.4	1.1	0.7	0.7	0.4	0.4	0.0	0.0
85°	2.5	1.4	1.1	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.7	0.7	0.7	0.4	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)