

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: P630796

Luminaire Tested: GWS-SA1E-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-735-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

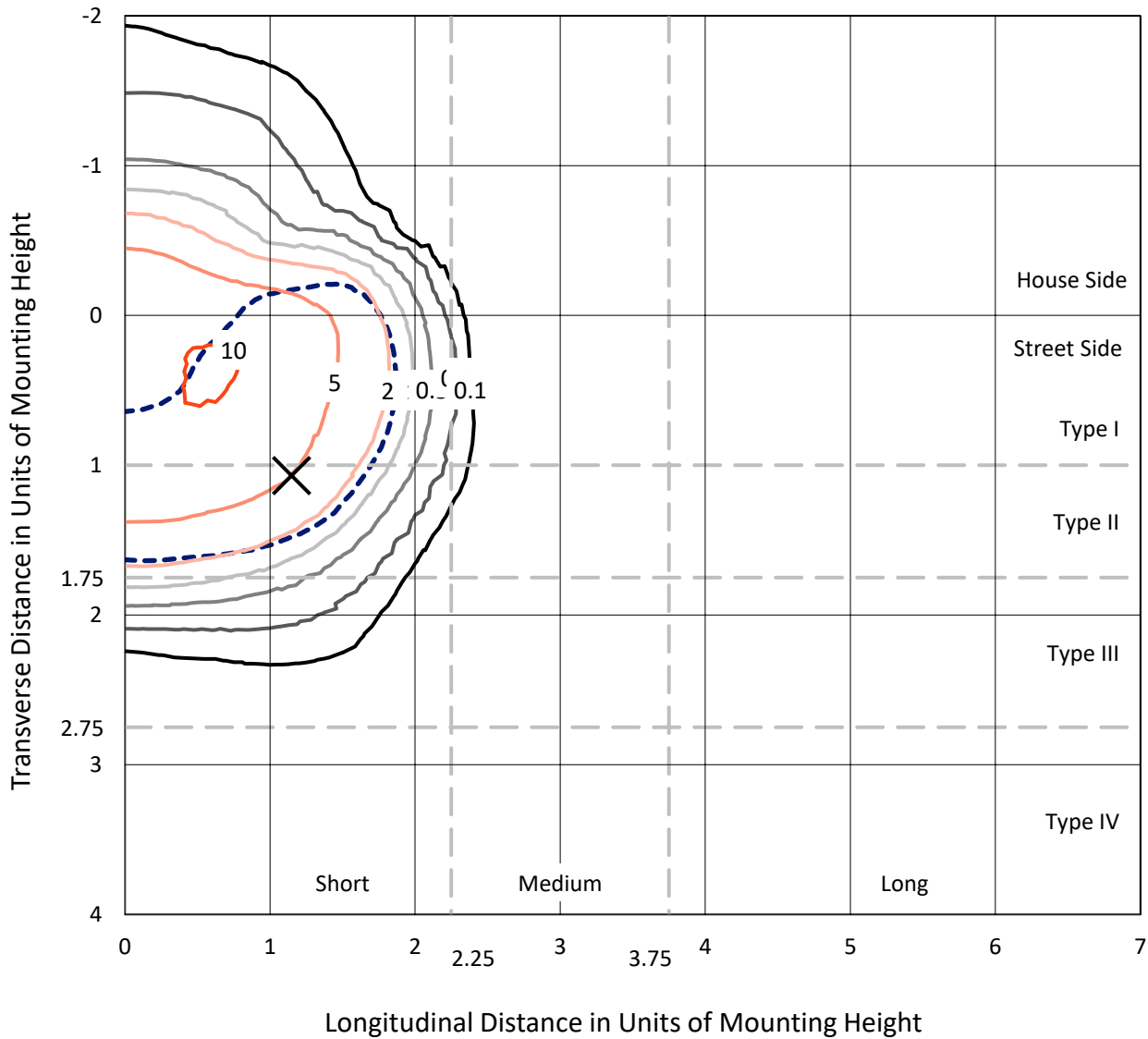
Lumens per Lamp: N/A  
Luminaire Lumens: 4615.1 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

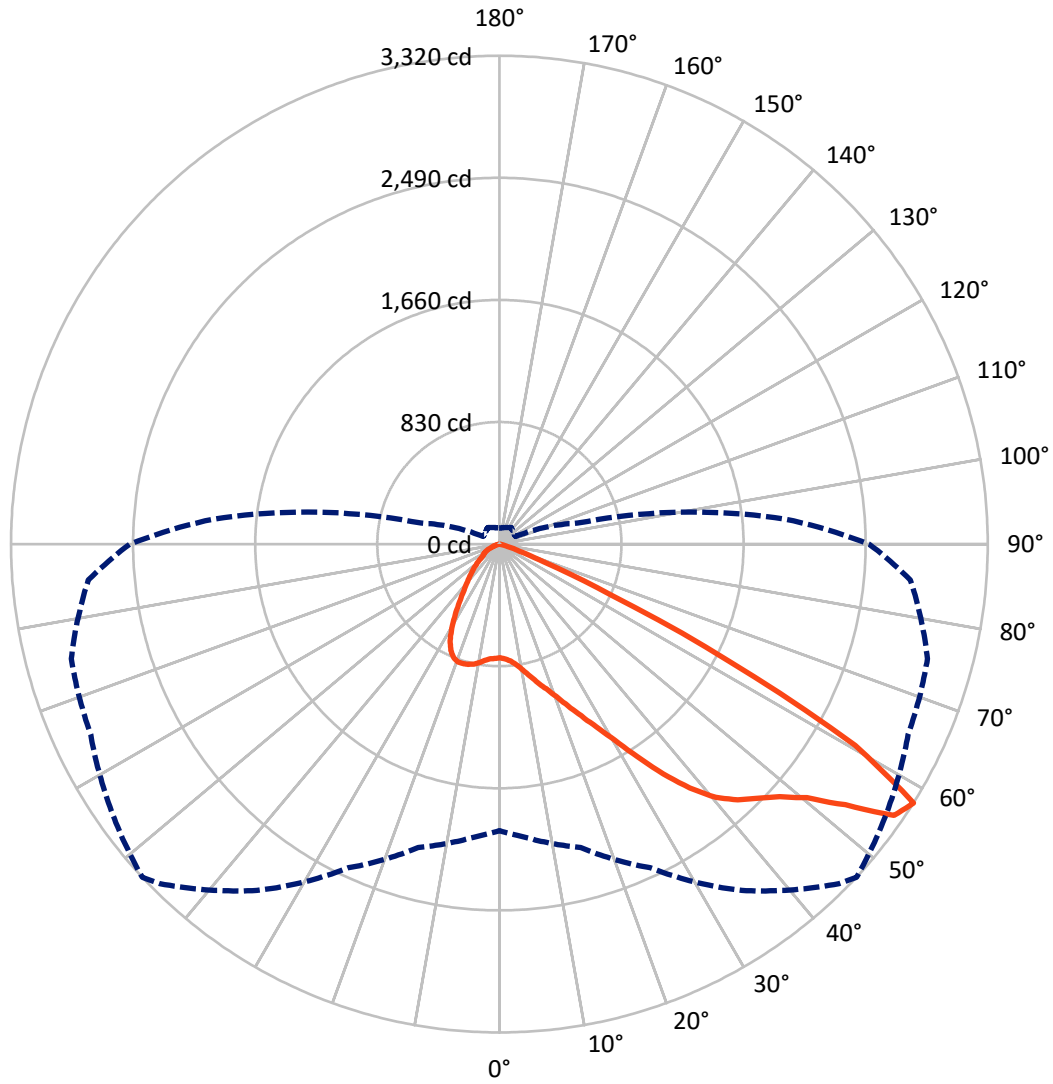
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1E-735-U-T3-W-GRSBK

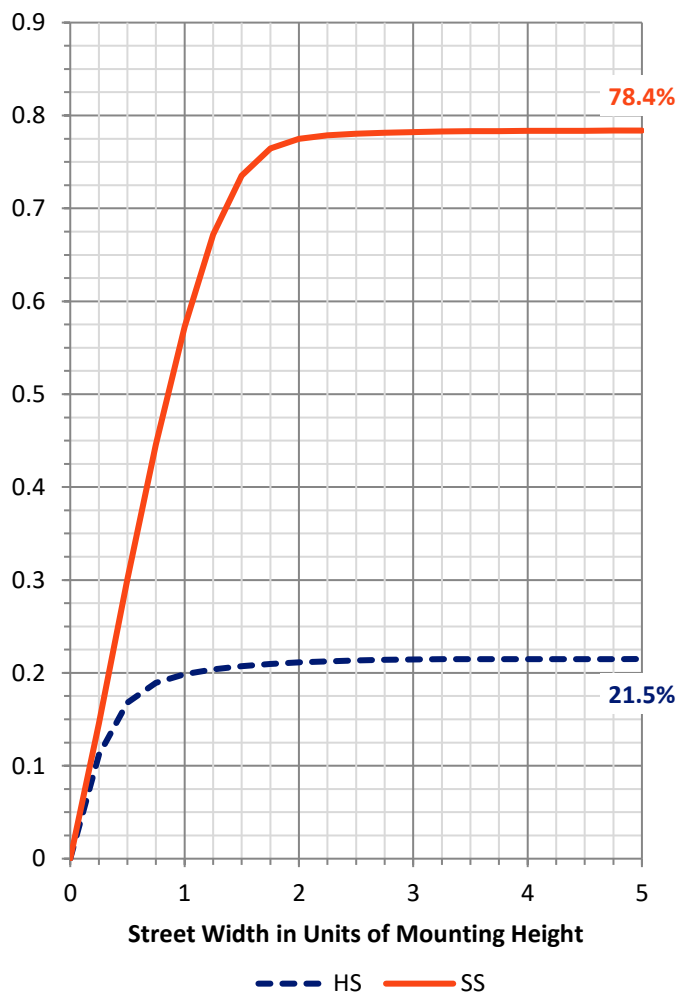
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1001.2	0.0	1001.2
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	3613.9	0.0	3613.9
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	4615.1	0.0	4615.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.9	1.7
10°-20°	259.3	5.6
20°-30°	481.6	10.4
30°-40°	770.9	16.7
40°-50°	1126.8	24.4
50°-60°	1390.7	30.1
60°-70°	464.7	10.1
70°-80°	43.3	0.9
80°-90°	0.9	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°	4615.1	100.0
0°-180°	4615.1	100.0

**Coefficient of Utilization**



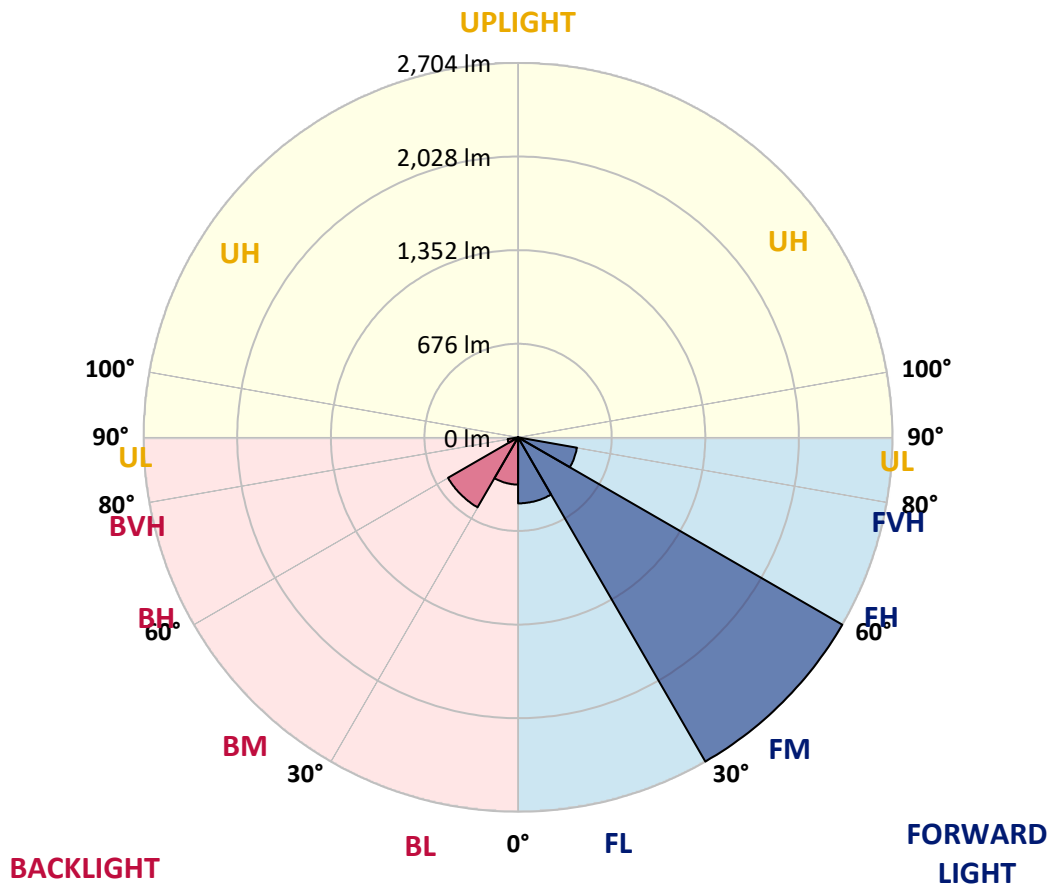
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CATALOG NUMBER: GWS-SA1E-735-U-T3-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.0	10.3			
FM (30°-60°)	2704.4	58.6			
FH (60°-80°)	431.9	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	340.8	7.4	B1/500		
BM (30°-60°)	584.0	12.7	B1/1000		
BH (60°-80°)	76.1	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6
2.5°	780.6	780.1	779.5	782.8	781.7	781.1	782.2	782.2	782.2	779.0	772.6
5°	799.4	799.4	798.8	802.0	799.4	797.8	798.3	798.3	796.1	790.3	782.2
7.5°	828.8	827.8	826.7	829.9	827.2	826.7	827.8	824.5	820.8	811.1	799.9
10°	871.2	871.2	869.5	872.8	870.6	869.5	869.5	867.4	860.4	845.4	828.8
12.5°	929.6	926.9	923.1	920.4	919.4	918.8	919.4	916.2	908.7	889.4	866.3
15°	993.3	991.2	985.3	981.0	975.1	974.0	977.2	974.6	967.1	940.8	908.1
17.5°	1073.7	1076.4	1061.3	1052.2	1035.1	1034.0	1035.1	1039.4	1034.0	1000.3	952.6
20°	1142.3	1144.4	1133.1	1126.7	1111.2	1104.2	1106.4	1113.3	1107.4	1067.8	1001.3
22.5°	1215.7	1218.3	1206.5	1193.1	1186.2	1186.2	1194.2	1203.9	1195.8	1143.9	1057.1
25°	1303.5	1305.7	1296.0	1278.3	1266.0	1281.5	1293.3	1319.1	1305.7	1234.9	1123.0
27.5°	1404.2	1404.8	1390.8	1372.6	1366.2	1395.1	1406.9	1446.6	1441.2	1337.3	1192.6
30°	1511.9	1512.5	1509.2	1496.9	1491.0	1529.1	1545.1	1602.5	1598.7	1464.2	1287.4
32.5°	1623.9	1623.9	1629.8	1628.7	1635.7	1697.8	1723.6	1788.9	1785.2	1619.6	1405.3
35°	1736.4	1736.9	1747.1	1772.8	1801.8	1884.3	1918.0	1997.3	1988.8	1805.5	1555.9
37.5°	1864.5	1859.1	1873.0	1911.6	1975.9	2071.3	2103.4	2179.0	2169.3	1995.7	1752.5
40°	2018.8	2009.1	2009.1	2054.1	2127.0	2236.8	2264.1	2301.6	2269.0	2149.5	1945.4
42.5°	2189.1	2180.0	2168.2	2207.9	2269.0	2354.7	2377.2	2367.0	2340.2	2294.7	2165.0
45°	2361.7	2347.7	2355.8	2379.9	2415.2	2455.9	2464.5	2417.4	2405.0	2417.9	2346.6
47.5°	2492.9	2483.3	2503.1	2536.8	2565.8	2571.7	2565.8	2500.4	2499.3	2544.9	2472.6
50°	2536.8	2537.9	2592.6	2666.5	2713.1	2717.9	2709.9	2634.9	2624.7	2638.1	2540.6
52.5°	2541.1	2545.4	2625.2	2766.2	2893.1	2951.0	2944.6	2863.7	2764.0	2749.5	2643.5
55°	2437.7	2462.9	2574.3	2780.1	3050.1	3234.9	3256.4	3101.5	2953.7	2941.3	2864.7
57.5°	1948.6	2000.0	2134.5	2427.5	2874.9	3264.4	3320.1	3208.7	3065.6	3013.1	2805.3
60°	1164.8	1228.5	1357.6	1717.1	2188.1	2683.1	2779.0	2794.5	2728.6	2577.0	2152.2
62.5°	499.9	494.5	653.6	929.0	1301.4	1705.3	1748.7	1816.2	1873.6	1715.0	1306.2
65°	171.4	186.4	259.3	419.0	651.5	791.9	830.4	891.0	972.4	802.6	478.4
67.5°	106.1	112.5	149.5	247.5	351.5	346.1	329.0	319.3	310.7	212.7	131.3
70°	77.2	82.5	105.0	170.4	236.3	166.1	144.1	116.8	129.7	119.5	93.2
72.5°	52.0	56.3	72.3	103.4	121.1	80.9	75.0	85.2	102.9	98.0	76.1
75°	31.1	33.8	41.3	50.4	49.3	41.8	42.3	60.0	78.8	73.4	54.1
77.5°	21.4	22.5	27.3	32.7	24.1	12.9	11.8	16.6	26.8	26.8	18.2
80°	5.4	7.0	7.0	4.3	3.8	3.2	3.2	4.8	7.5	5.4	2.7
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
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°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6
2.5°	776.3	769.9	774.2	773.1	776.3	777.4	772.6	771.5	772.0	765.6	763.5
5°	783.8	776.3	778.5	776.3	780.1	783.3	781.7	783.8	786.5	781.7	779.5
7.5°	799.9	792.4	791.9	788.6	794.0	796.1	795.6	801.5	806.9	803.6	800.4
10°	827.8	817.6	816.5	813.8	815.4	817.0	811.1	812.2	817.0	813.3	811.7
12.5°	862.0	849.7	847.0	840.6	840.6	832.6	819.7	817.0	820.8	818.1	815.4
15°	899.0	882.4	878.1	866.9	856.2	841.2	827.8	824.5	827.2	824.0	821.9
17.5°	940.3	921.5	907.6	887.8	864.2	846.5	831.5	824.5	820.3	813.8	813.3
20°	981.0	956.3	932.8	901.2	870.1	843.3	818.6	800.4	784.9	775.3	771.5
22.5°	1028.1	991.7	953.7	909.2	864.7	824.0	780.6	749.5	722.7	713.6	709.4
25°	1078.5	1031.3	974.6	916.7	846.5	781.1	722.2	676.1	640.8	629.0	624.2
27.5°	1134.2	1069.4	996.0	915.1	809.0	720.1	641.8	584.5	549.7	539.0	542.7
30°	1204.9	1118.7	1022.8	898.5	752.7	634.3	542.7	494.5	468.3	458.1	458.6
32.5°	1299.2	1189.4	1061.9	863.1	680.4	536.8	456.5	421.1	403.4	390.0	389.0
35°	1434.2	1297.1	1098.3	806.3	592.6	450.0	391.6	363.8	339.1	323.6	326.3
37.5°	1596.0	1432.6	1118.1	729.7	494.0	382.5	342.9	314.5	286.6	263.6	266.3
40°	1787.8	1610.0	1116.5	629.0	404.0	336.5	302.2	269.0	234.1	213.2	215.4
42.5°	2001.6	1777.7	1081.7	522.4	334.9	299.0	263.1	221.3	187.5	174.7	175.2
45°	2187.0	1913.8	1020.6	412.0	281.8	262.5	222.3	179.5	164.5	155.4	154.8
47.5°	2324.1	2013.4	933.3	324.1	239.0	229.3	182.7	160.7	148.9	141.4	140.4
50°	2400.8	2048.2	836.9	254.0	202.0	194.5	163.4	145.7	137.7	132.9	131.8
52.5°	2503.6	2090.0	767.8	200.4	169.3	159.1	150.5	135.5	130.2	126.4	124.8
55°	2666.5	2170.9	707.7	159.1	140.9	138.8	142.0	129.7	126.4	120.5	118.4
57.5°	2513.3	1950.2	549.7	123.2	118.9	127.0	137.2	123.8	115.7	110.4	108.2
60°	1768.6	1296.6	276.5	99.1	106.1	118.9	129.1	112.0	103.9	105.0	103.9
62.5°	975.1	648.8	124.3	83.0	92.2	105.0	110.4	97.0	91.6	100.7	102.3
65°	318.8	220.7	71.8	64.3	72.9	85.7	95.4	92.2	91.1	101.8	105.0
67.5°	98.0	72.9	48.8	46.1	50.4	63.2	80.4	99.7	107.2	110.4	112.0
70°	73.4	57.3	41.8	39.1	41.3	48.2	68.0	83.0	78.2	78.8	77.7
72.5°	58.9	45.5	35.9	34.3	34.3	33.2	35.9	45.0	50.9	53.6	53.6
75°	41.3	32.1	27.3	25.2	19.8	16.1	14.5	14.5	12.9	12.3	11.8
77.5°	13.9	11.8	10.7	8.6	5.9	4.8	4.3	3.8	2.7	1.6	1.1
80°	2.1	1.6	1.1	1.1	1.1	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	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)