

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: P634754

Luminaire Tested: GWS-SA3C-735-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11095.8 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

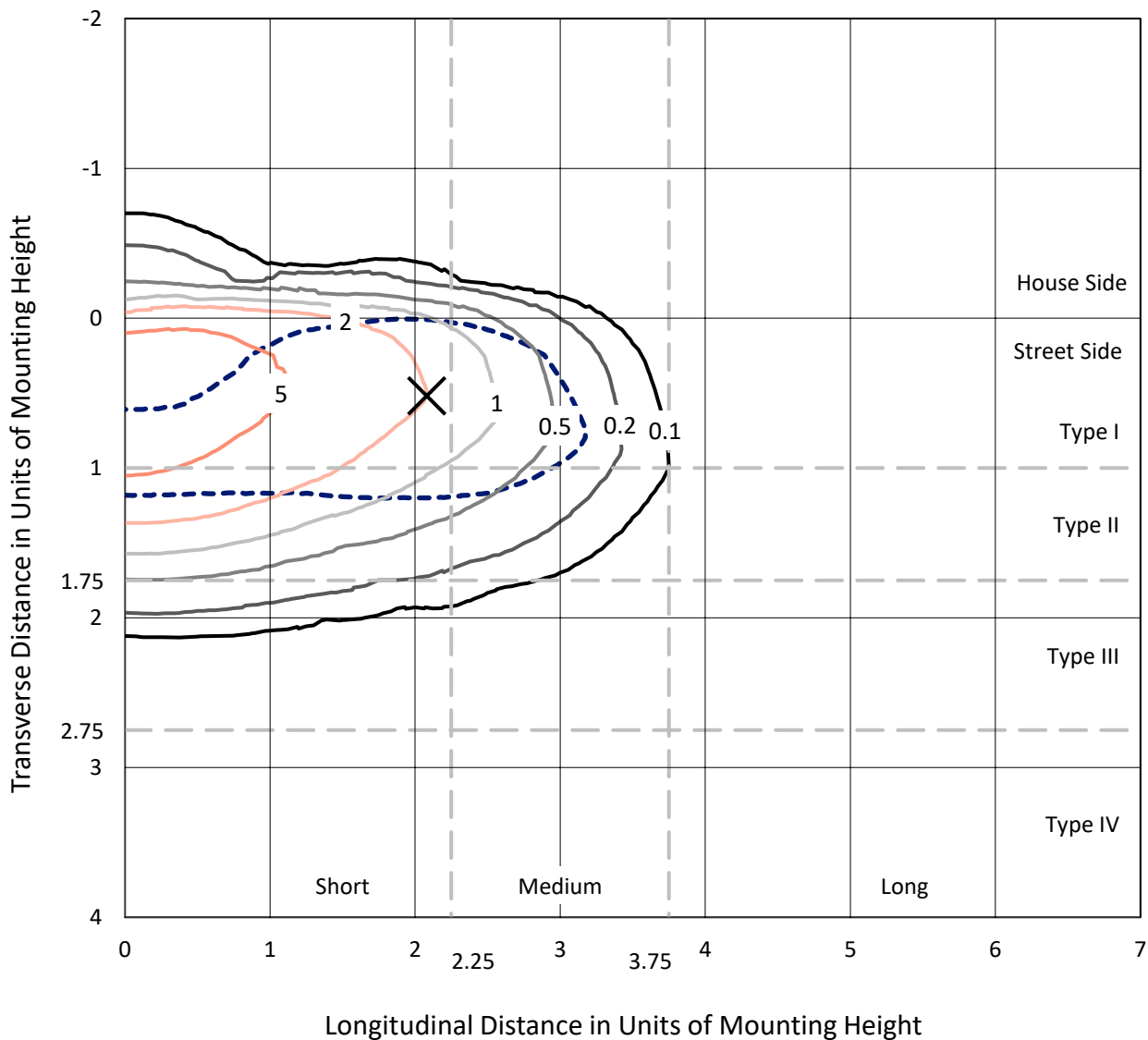
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

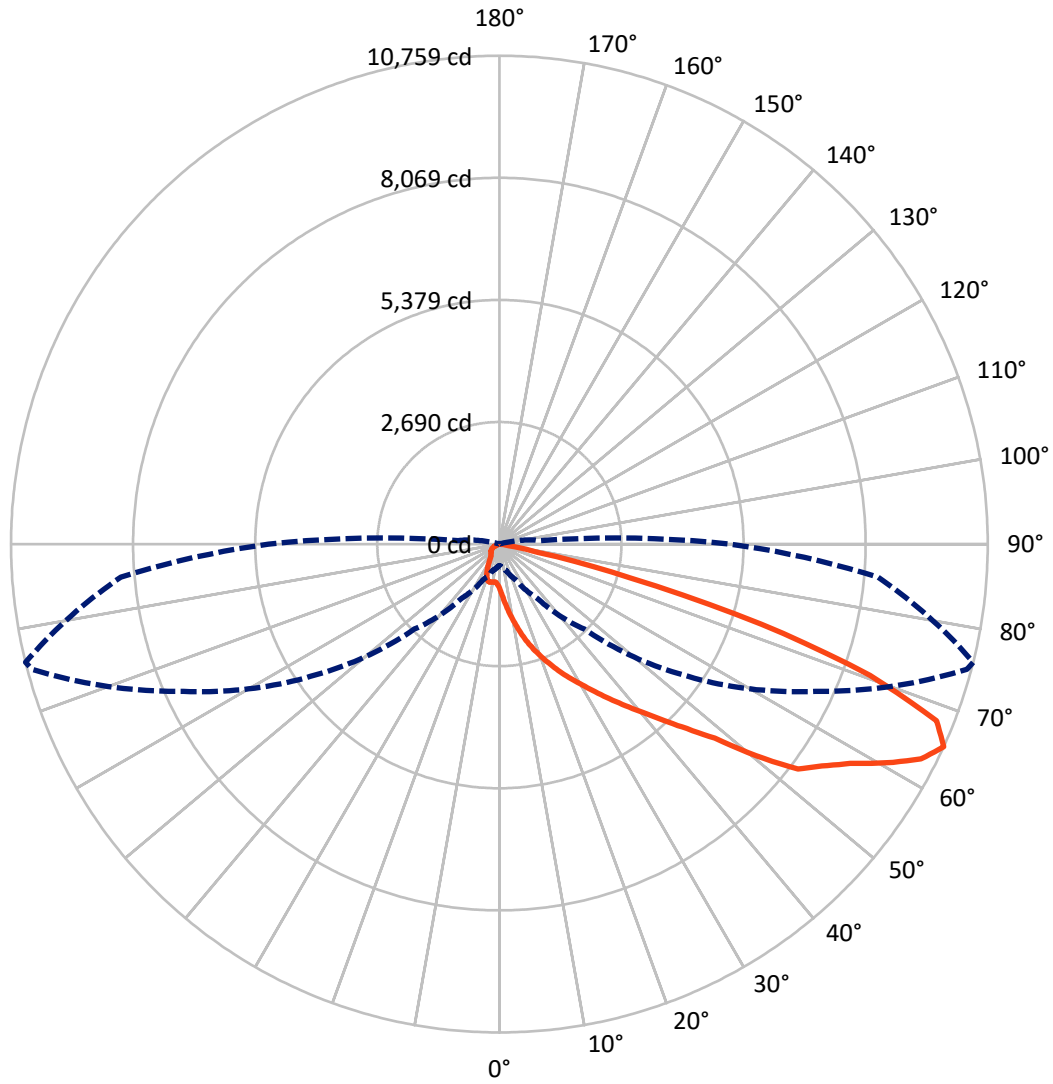
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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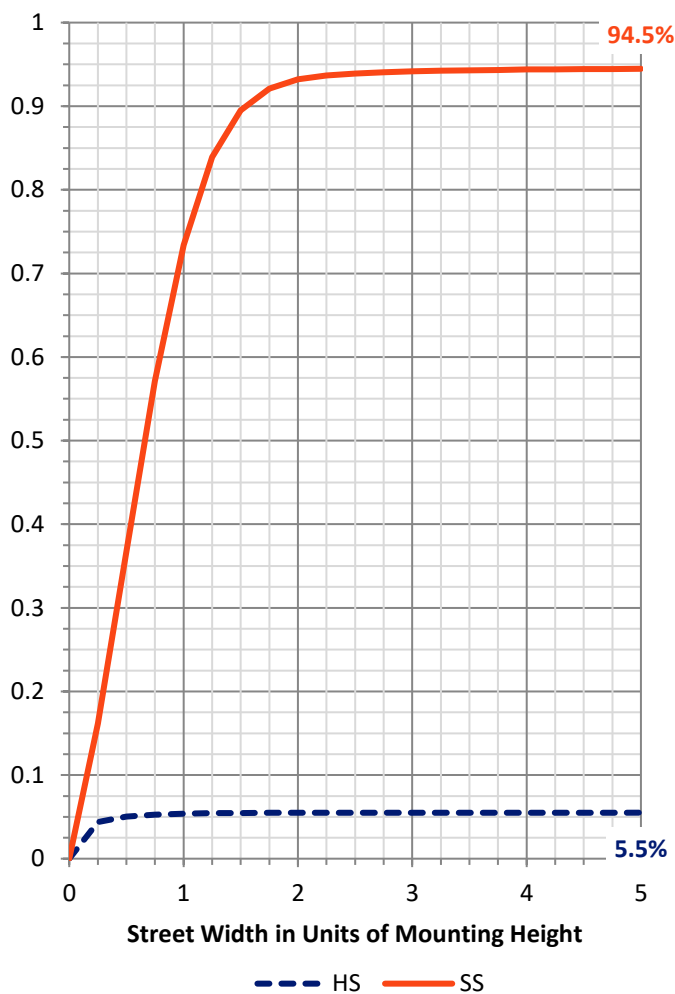
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	613.5	0.0	613.5
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	10482.3	0.0	10482.3
	% Fixture	94.5	0.0	94.5
Total	Lumens	11095.8	0.0	11095.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	1.1
10°-20°	453.5	4.1
20°-30°	925.2	8.3
30°-40°	1645.5	14.8
40°-50°	2432.4	21.9
50°-60°	2784.9	25.1
60°-70°	2124.7	19.1
70°-80°	595.2	5.4
80°-90°	15.0	0.1
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°	11095.8	100.0
0°-180°	11095.8	100.0

Coefficient of Utilization



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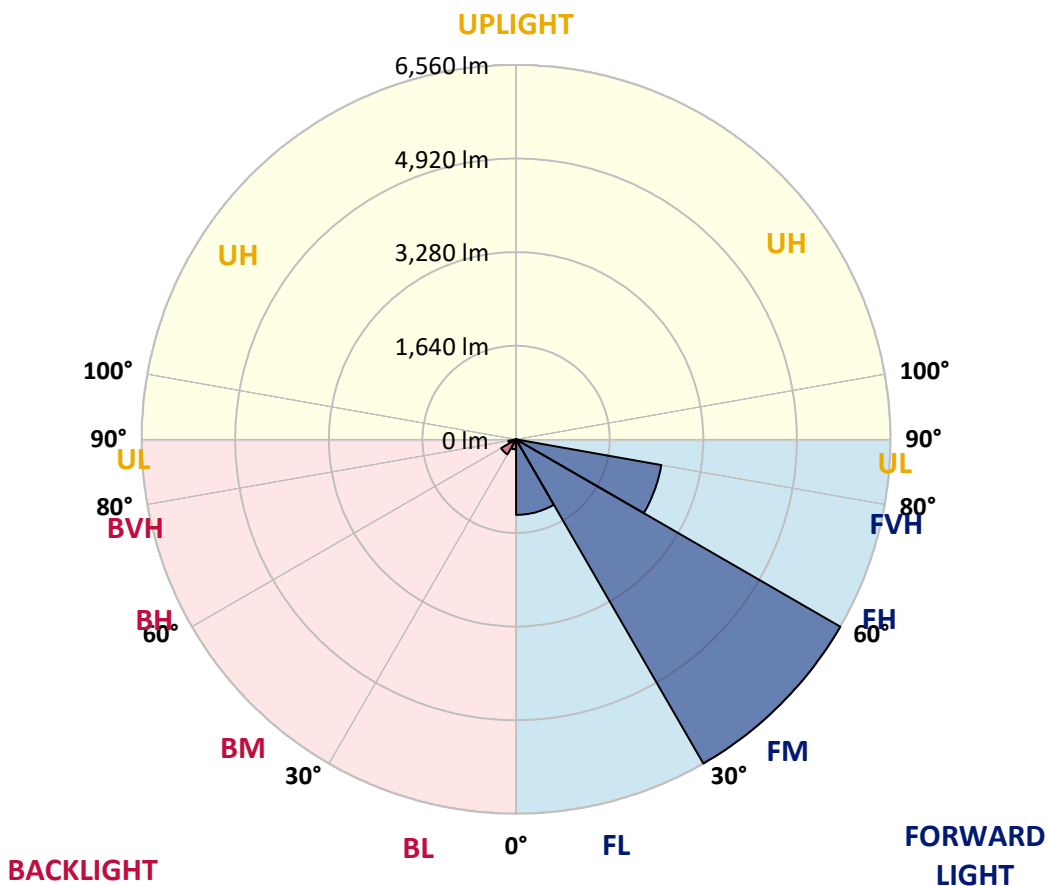
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.1	11.9			
FM (30°-60°)	6560.0	59.1			
FH (60°-80°)	2585.0	23.3			G2/5000
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	175.1	1.6	B1/500		
BM (30°-60°)	302.7	2.7	B1/1000		
BH (60°-80°)	134.9	1.2	B1/500		G1/500
BVH (80°-90°)	0.9	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	1514.0	1536.7	1518.9	1489.4	1432.1	1376.9	1305.9	1208.3	1130.3	1120.5	1047.5
5°	2044.7	2042.7	2004.2	1965.8	1905.6	1810.9	1667.9	1486.4	1311.8	1297.0	1133.3
7.5°	2360.3	2363.2	2341.5	2312.0	2252.8	2155.1	2006.2	1787.2	1531.8	1502.2	1250.7
10°	2625.6	2624.6	2608.8	2595.0	2541.8	2476.7	2316.9	2076.2	1768.5	1722.1	1381.8
12.5°	2824.8	2831.7	2839.6	2853.4	2830.8	2766.7	2615.7	2353.4	2008.2	1956.9	1531.8
15°	2982.7	2984.6	3014.2	3067.5	3086.2	3052.7	2915.6	2621.7	2244.9	2200.5	1704.4
17.5°	3030.0	3033.9	3084.2	3181.9	3280.5	3299.3	3195.7	2891.9	2477.7	2430.3	1872.1
20°	3129.6	3138.5	3176.0	3261.8	3386.1	3486.7	3446.2	3165.1	2710.4	2648.3	2043.7
22.5°	3443.3	3448.2	3435.4	3446.2	3510.3	3626.7	3651.4	3429.5	2949.1	2883.0	2229.1
25°	3982.8	3984.8	3895.0	3810.2	3761.9	3783.6	3837.8	3673.1	3185.8	3120.7	2401.7
27.5°	4543.0	4549.9	4442.4	4298.4	4125.8	4027.2	4011.4	3896.0	3424.5	3352.5	2572.3
30°	5070.7	5070.7	4957.3	4781.7	4550.9	4358.6	4245.2	4120.9	3680.0	3601.1	2746.9
32.5°	5545.1	5541.2	5396.2	5205.8	4978.0	4766.9	4528.2	4355.6	3964.1	3876.3	2948.1
35°	5936.7	5926.8	5762.1	5579.7	5336.0	5179.2	4912.9	4608.1	4271.8	4184.0	3155.3
37.5°	6232.6	6221.8	6070.9	5877.5	5651.7	5550.1	5327.2	4910.9	4596.3	4516.4	3385.1
40°	6393.4	6371.7	6267.1	6123.1	5933.8	5845.0	5752.3	5286.7	4978.0	4878.4	3656.3
42.5°	6440.7	6415.1	6346.0	6279.0	6164.6	6094.5	6194.1	5710.8	5397.2	5311.4	3966.0
45°	6300.7	6285.9	6280.0	6328.3	6349.0	6368.7	6614.3	6180.3	5859.8	5794.7	4355.6
47.5°	5963.3	5959.4	6011.7	6212.9	6431.8	6640.0	7071.0	6759.3	6459.5	6389.4	4900.1
50°	5340.0	5380.4	5526.4	5879.5	6317.4	6793.8	7498.1	7562.2	7430.0	7327.4	5610.2
52.5°	4365.5	4443.4	4770.9	5307.4	5936.7	6750.4	7695.3	8205.3	8340.4	8233.9	6119.2
55°	3425.5	3498.5	3790.5	4471.0	5310.4	6420.0	7704.2	8427.2	8722.1	8623.5	6463.4
57.5°	2551.6	2618.7	2884.0	3535.0	4458.2	5770.0	7493.1	8550.5	9174.8	9111.7	7006.9
60°	1667.9	1734.0	1973.6	2542.8	3458.1	4823.1	6973.3	8524.8	9791.3	9785.4	7674.6
62.5°	925.2	977.5	1151.0	1594.9	2413.5	3735.2	6156.7	8267.4	10388.0	10425.5	8225.0
65°	473.4	507.0	612.5	876.8	1460.8	2648.3	5082.5	7677.6	10664.2	10758.9	8370.0
67.5°	309.7	320.6	346.2	455.7	782.2	1665.9	3825.0	6731.7	10275.6	10386.0	7883.7
70°	251.5	260.4	275.2	303.8	403.4	884.7	2512.2	5376.5	8586.0	8660.9	6278.0
72.5°	184.4	196.3	224.9	243.6	291.0	485.3	1306.9	3529.1	5896.3	6028.4	3945.3
75°	136.1	143.0	166.7	192.3	237.7	306.7	500.1	1855.3	3044.8	2967.9	1657.0
77.5°	81.9	86.8	106.5	123.3	169.6	191.3	174.6	685.5	926.2	870.9	400.4
80°	40.4	45.4	70.0	92.7	108.5	76.9	73.0	191.3	206.1	206.1	100.6
82.5°	13.8	17.8	37.5	61.2	53.3	29.6	34.5	49.3	55.2	58.2	29.6
85°	0.0	0.0	8.9	17.8	7.9	3.9	8.9	10.8	13.8	14.8	9.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.9	3.9
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°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	1008.0	961.7	891.6	828.5	780.2	734.8	700.3	672.7	667.7	652.0	653.9
5°	1053.4	969.6	840.4	740.7	670.7	623.4	583.9	554.3	541.5	528.7	518.8
7.5°	1123.4	1002.1	820.6	699.3	617.4	544.5	483.3	434.0	410.3	395.5	385.7
10°	1209.2	1047.5	821.6	674.6	553.3	441.9	358.0	303.8	278.1	270.3	269.3
12.5°	1311.8	1104.7	829.5	634.2	460.6	328.4	265.3	240.7	232.8	225.9	225.9
15°	1420.3	1168.8	829.5	560.2	351.1	256.4	229.8	214.0	204.2	200.2	198.3
17.5°	1534.7	1229.0	809.8	458.6	269.3	225.9	204.2	189.4	181.5	175.6	173.6
20°	1657.0	1286.2	760.5	351.1	230.8	202.2	181.5	166.7	158.8	152.9	152.9
22.5°	1781.3	1339.4	680.6	270.3	204.2	179.5	159.8	146.0	138.1	132.2	132.2
25°	1896.7	1374.9	578.0	222.9	184.4	159.8	142.0	128.2	119.3	115.4	113.4
27.5°	2004.2	1397.6	464.6	196.3	165.7	143.0	124.3	111.5	104.6	101.6	99.6
30°	2115.7	1403.5	355.1	178.5	149.9	126.3	108.5	98.6	92.7	88.8	88.8
32.5°	2224.2	1396.6	271.2	163.7	136.1	111.5	96.7	87.8	82.9	79.9	78.9
35°	2334.6	1365.1	220.0	150.9	122.3	97.6	85.8	78.9	75.9	72.0	72.0
37.5°	2455.0	1322.7	191.3	138.1	108.5	87.8	76.9	72.0	68.1	65.1	64.1
40°	2604.9	1273.3	175.6	127.2	95.7	78.9	69.0	64.1	61.2	58.2	57.2
42.5°	2782.4	1225.0	167.7	115.4	85.8	70.0	62.1	56.2	53.3	49.3	48.3
45°	3033.9	1214.2	158.8	102.6	76.9	63.1	54.2	48.3	44.4	41.4	40.4
47.5°	3438.3	1244.7	144.0	88.8	68.1	55.2	46.4	41.4	36.5	33.5	31.6
50°	3839.8	1236.9	129.2	76.9	60.2	47.3	39.5	34.5	29.6	26.6	25.6
52.5°	4058.7	1199.4	115.4	68.1	52.3	40.4	33.5	27.6	24.7	21.7	20.7
55°	4257.0	1184.6	101.6	59.2	44.4	35.5	27.6	22.7	20.7	17.8	16.8
57.5°	4645.6	1219.1	89.8	51.3	38.5	30.6	23.7	18.7	16.8	13.8	12.8
60°	5052.0	1223.0	76.9	44.4	33.5	25.6	18.7	14.8	12.8	9.9	8.9
62.5°	5264.0	1123.4	63.1	37.5	27.6	21.7	15.8	11.8	9.9	5.9	5.9
65°	5086.5	908.4	53.3	30.6	21.7	16.8	11.8	8.9	5.9	3.0	1.0
67.5°	4501.6	646.0	44.4	24.7	15.8	11.8	8.9	5.9	1.0	0.0	0.0
70°	3296.3	368.9	34.5	17.8	11.8	7.9	5.9	3.0	0.0	0.0	0.0
72.5°	2025.9	197.3	25.6	11.8	8.9	5.9	4.9	2.0	0.0	0.0	0.0
75°	768.3	94.7	15.8	7.9	6.9	4.9	3.0	1.0	0.0	0.0	0.0
77.5°	208.1	46.4	8.9	5.9	4.9	3.0	2.0	0.0	0.0	0.0	0.0
80°	54.2	21.7	5.9	3.9	3.0	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.7	9.9	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	7.9	3.9	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.0	1.0	1.0	1.0	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)