

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: P634373

Luminaire Tested: GWS-SA3B-750-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634373  
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-SA3B-750-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

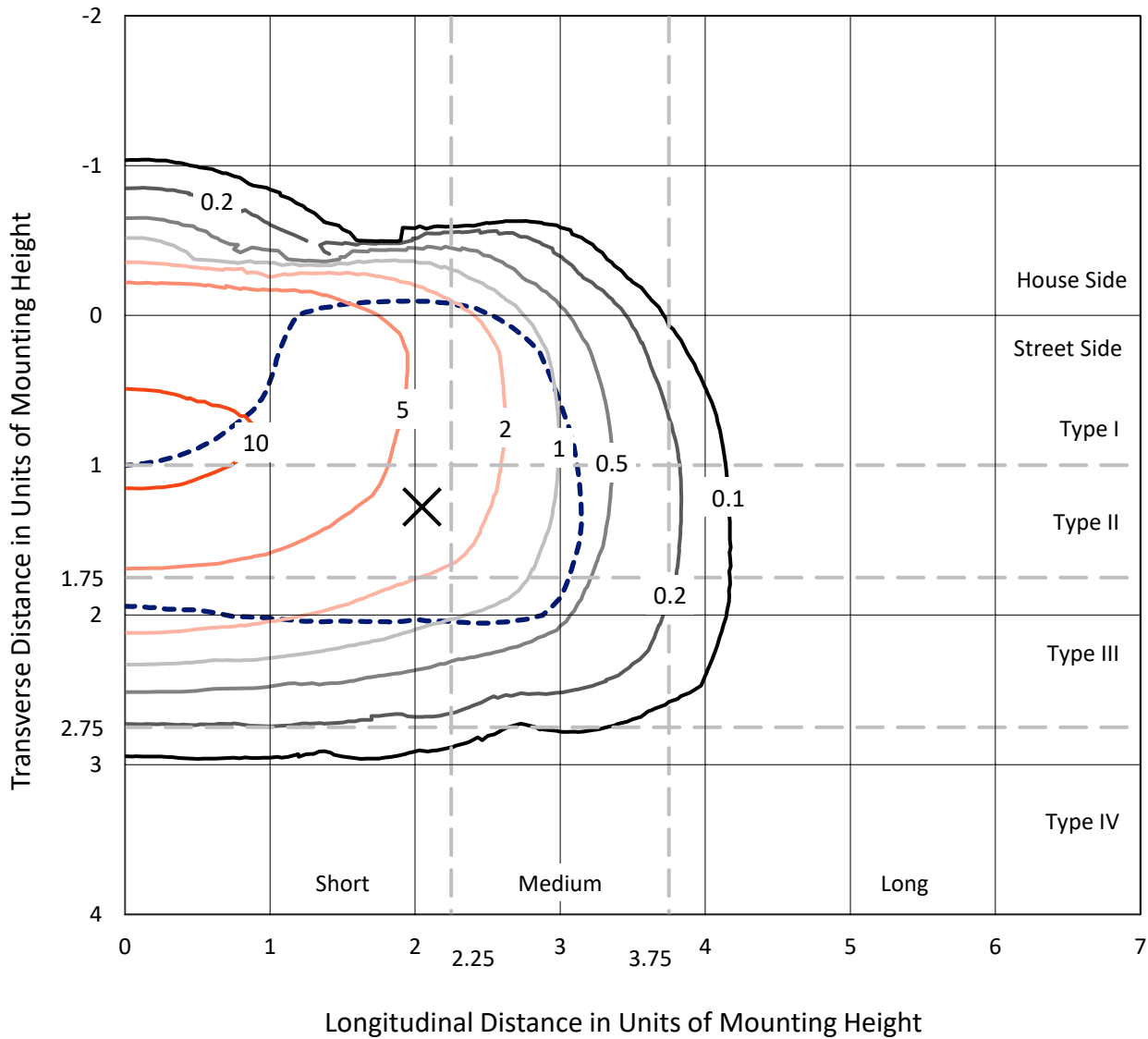
Lumens per Lamp: N/A  
Luminaire Lumens: 7811.2 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

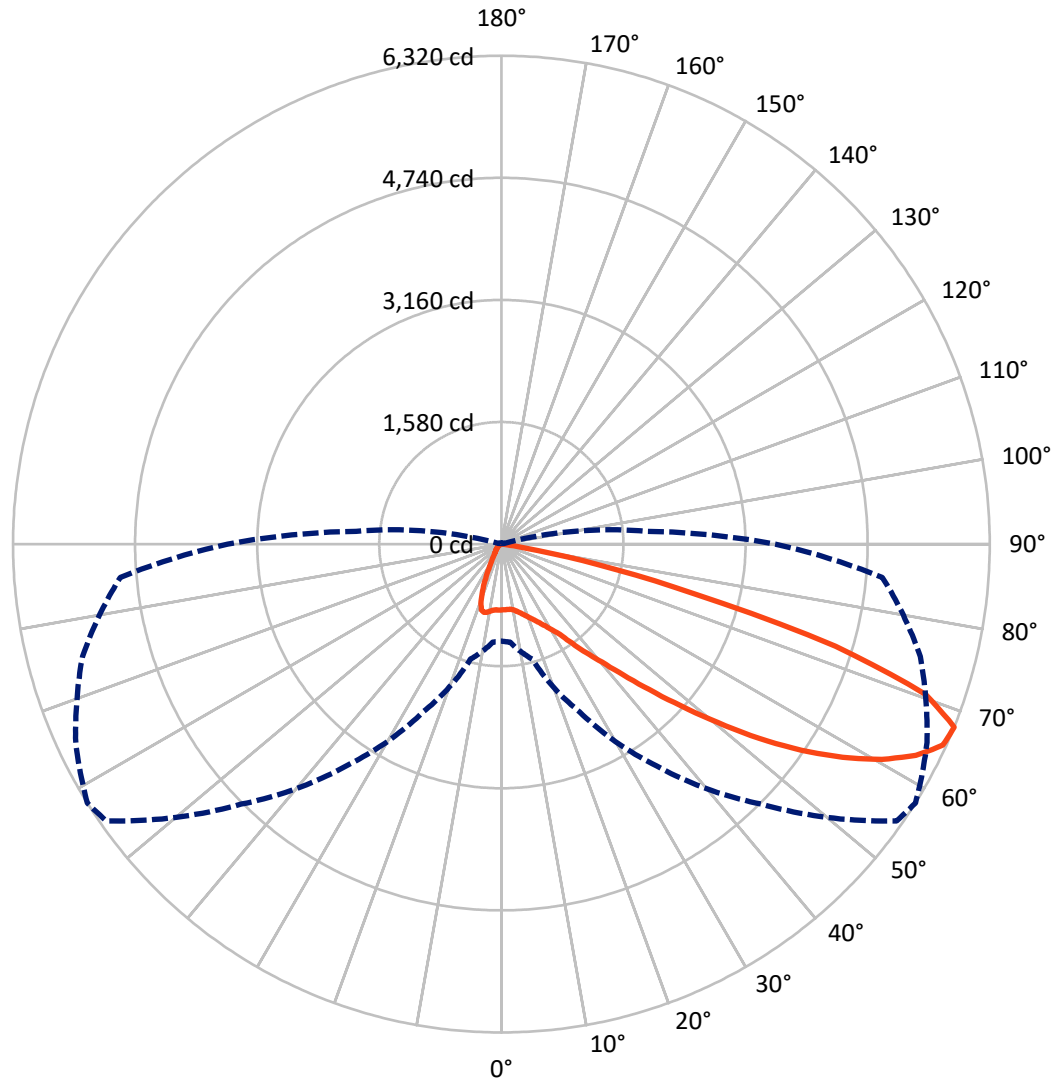
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type III - Short - N/A

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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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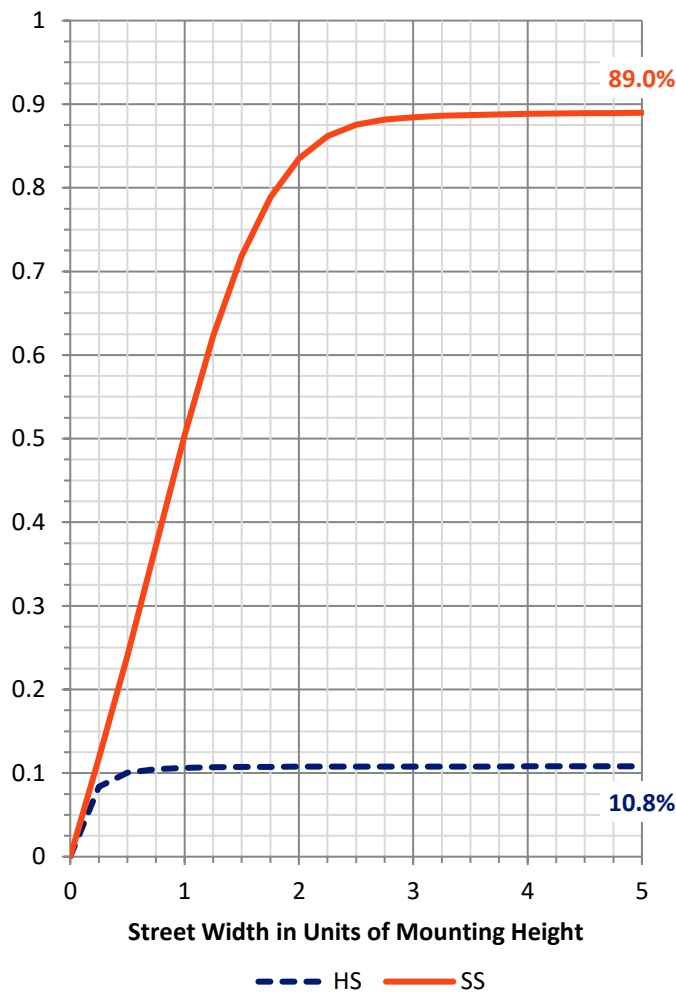
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	852.2	0.0	852.2
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	6959.0	0.0	6959.0
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	7811.2	0.0	7811.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.0	1.0
10°-20°	224.5	2.9
20°-30°	391.9	5.0
30°-40°	699.8	9.0
40°-50°	1279.2	16.4
50°-60°	2127.4	27.2
60°-70°	2310.7	29.6
70°-80°	678.4	8.7
80°-90°	19.3	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°	7811.2	100.0
0°-180°	7811.2	100.0

**Coefficient of Utilization**



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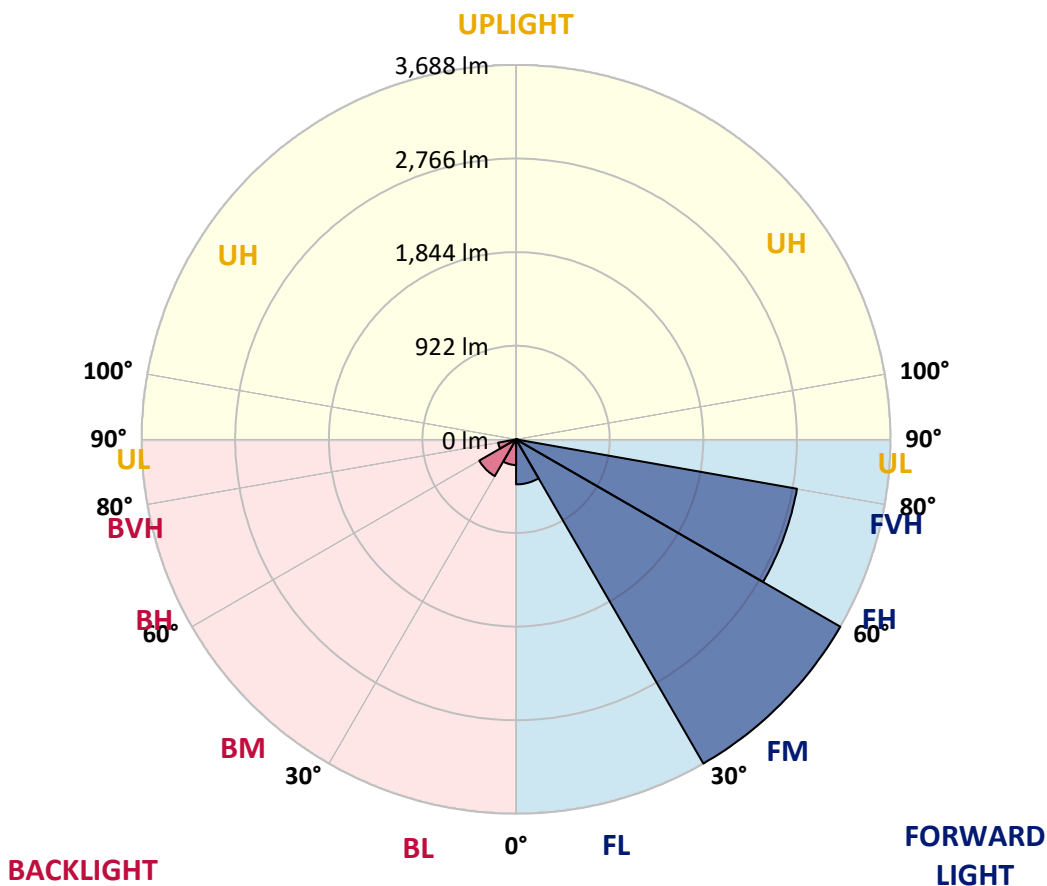
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.6	5.7			
FM (30°-60°)	3687.8	47.2			
FH (60°-80°)	2809.3	36.0			G2/5000
FVH (80°-90°)	18.4	0.2			G1/100
BL (0°-30°)	252.8	3.2	B1/500		
BM (30°-60°)	418.6	5.4	B1/1000		
BH (60°-80°)	179.9	2.3	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	835.2	833.6	833.6	839.7	840.5	843.6	850.4	851.2	855.0	853.5	848.1
5°	791.7	792.5	797.0	807.7	816.9	828.3	845.1	848.9	857.3	861.9	858.8
7.5°	751.3	752.0	758.9	775.7	793.2	816.1	843.6	851.2	868.0	880.2	880.9
10°	736.0	735.3	742.1	761.2	784.1	816.1	855.8	865.7	890.8	912.2	916.0
12.5°	740.6	739.8	746.7	764.2	789.4	829.8	877.1	890.8	922.9	955.7	962.5
15°	758.9	758.1	762.7	777.2	804.7	846.6	904.6	925.2	965.6	1005.3	1015.9
17.5°	813.8	810.0	805.4	807.0	823.0	866.4	939.7	964.8	1015.2	1062.5	1071.6
20°	911.4	901.5	889.3	873.3	865.7	895.4	980.1	1009.1	1070.1	1124.2	1125.8
22.5°	1058.6	1054.8	1026.6	980.1	947.3	948.1	1027.4	1060.9	1135.7	1195.2	1186.8
25°	1263.8	1261.5	1218.1	1141.8	1056.4	1027.4	1087.6	1122.0	1213.5	1276.8	1250.1
27.5°	1518.6	1502.5	1451.4	1348.5	1221.1	1130.3	1163.9	1194.4	1295.8	1355.3	1305.0
30°	1740.5	1741.3	1693.2	1585.7	1442.3	1285.2	1257.0	1283.6	1371.4	1433.9	1372.9
32.5°	1954.1	1960.9	1908.3	1811.4	1654.3	1487.3	1390.4	1395.0	1468.2	1536.1	1462.1
35°	2152.4	2157.7	2121.1	2038.7	1892.3	1698.6	1576.5	1574.2	1613.9	1683.3	1586.4
37.5°	2374.3	2379.7	2343.8	2269.8	2132.5	1940.3	1787.8	1784.7	1800.8	1857.2	1746.6
40°	2610.8	2620.7	2581.0	2518.5	2387.3	2224.8	2033.4	2005.9	1989.9	2056.3	1954.1
42.5°	2850.3	2865.5	2851.8	2789.2	2677.1	2542.9	2352.2	2309.5	2275.2	2358.3	2250.0
45°	3147.7	3166.0	3159.9	3111.9	3024.9	2915.9	2735.9	2686.3	2670.3	2747.3	2618.4
47.5°	3433.7	3453.6	3475.7	3465.0	3403.2	3352.9	3153.1	3124.8	3120.3	3202.6	3002.8
50°	3646.5	3664.8	3749.5	3810.5	3852.5	3841.8	3668.6	3626.7	3619.8	3672.5	3408.6
52.5°	3799.1	3816.6	3933.3	4124.0	4278.1	4362.0	4187.3	4178.1	4140.8	4122.5	3788.4
55°	3917.3	3941.7	4064.5	4352.8	4663.2	4849.3	4740.3	4707.5	4611.4	4506.1	4140.8
57.5°	3940.9	3950.9	4124.0	4513.0	4962.2	5263.5	5263.5	5206.3	5020.9	4875.3	4548.1
60°	3728.9	3759.4	3993.6	4500.0	5090.3	5534.2	5697.5	5657.8	5407.6	5228.4	4940.1
62.5°	3258.3	3292.6	3577.9	4189.6	4962.2	5589.9	6026.2	6020.1	5737.9	5520.5	5265.0
65°	2498.6	2523.8	2772.5	3504.7	4420.7	5375.6	6261.1	6277.9	5998.7	5713.5	5377.1
67.5°	1255.4	1273.0	1541.4	2394.2	3503.9	4758.6	6245.1	6319.8	6078.1	5611.3	4949.2
70°	438.6	456.1	582.7	1027.4	2132.5	3633.6	5705.1	5827.1	5612.0	4789.8	3651.1
72.5°	150.3	158.6	241.8	381.4	829.8	2153.9	4338.3	4522.1	4137.0	3215.6	2098.2
75°	85.4	90.8	129.7	206.7	347.8	708.6	2461.3	2574.2	2411.7	1752.7	863.4
77.5°	58.0	62.5	80.8	117.5	192.2	228.1	1003.7	1263.8	1102.1	572.0	220.4
80°	34.3	37.4	49.6	69.4	98.4	88.5	215.1	286.0	368.4	170.8	66.4
82.5°	16.0	18.3	32.0	45.8	49.6	37.4	63.3	77.0	103.7	83.9	27.5
85°	0.0	0.0	10.7	19.1	18.3	10.7	17.5	19.1	28.2	41.9	10.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	4.6	8.4	4.6
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°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	854.2	848.9	855.0	852.0	855.0	854.2	848.1	844.3	844.3	837.5	835.2
5°	864.9	859.6	861.1	854.2	852.7	848.9	841.3	838.2	838.2	831.4	829.1
7.5°	888.6	880.2	878.6	864.9	858.8	848.1	834.4	829.1	828.3	821.4	819.2
10°	925.9	916.0	909.2	891.6	874.1	852.7	823.7	799.3	785.6	767.3	765.8
12.5°	971.7	959.5	948.8	922.1	893.1	845.1	759.7	670.4	615.5	572.0	575.1
15°	1022.8	1011.4	994.6	954.2	894.7	769.6	591.1	453.8	386.7	350.8	349.3
17.5°	1078.5	1061.7	1034.2	979.3	846.6	588.1	384.4	271.5	236.4	224.2	221.2
20°	1130.3	1109.7	1075.4	984.7	707.8	398.1	240.3	210.5	204.4	200.6	200.6
22.5°	1185.3	1159.3	1108.2	943.5	526.3	254.7	204.4	197.5	193.0	187.6	186.9
25°	1240.9	1207.4	1138.0	835.9	344.7	200.6	191.4	183.8	175.4	167.0	164.7
27.5°	1288.2	1244.7	1160.8	675.8	221.2	180.8	174.7	161.7	150.3	141.1	139.6
30°	1344.7	1289.0	1170.8	494.2	173.9	159.4	150.3	136.5	122.8	113.6	110.6
32.5°	1420.2	1359.2	1155.5	321.9	154.1	140.3	125.8	109.8	96.1	86.2	84.7
35°	1537.6	1465.2	1085.3	205.2	139.6	121.3	103.7	86.9	75.5	67.9	66.4
37.5°	1681.0	1613.9	970.2	154.1	125.1	105.3	84.7	68.6	60.3	54.9	53.4
40°	1893.8	1800.0	827.5	135.0	110.6	89.2	69.4	56.4	50.3	45.8	44.2
42.5°	2169.9	2019.7	663.6	122.8	96.9	74.7	56.4	46.5	41.2	38.1	37.4
45°	2492.5	2234.0	490.4	110.6	83.9	61.8	46.5	38.1	34.3	32.0	31.3
47.5°	2822.8	2421.6	338.6	97.6	71.7	51.1	38.9	32.8	29.7	26.7	25.9
50°	3175.2	2580.3	231.1	84.7	61.0	41.9	33.6	29.7	25.9	23.6	22.9
52.5°	3433.7	2639.0	160.9	73.2	51.9	35.8	29.7	26.7	23.6	20.6	19.8
55°	3672.5	2637.5	122.0	61.8	44.2	31.3	26.7	23.6	20.6	18.3	17.5
57.5°	3910.4	2616.9	96.1	52.6	38.1	28.2	23.6	20.6	19.1	16.0	15.3
60°	4064.5	2539.1	74.7	44.2	32.8	24.4	20.6	18.3	16.0	13.7	13.0
62.5°	4146.1	2430.8	57.2	35.1	26.7	21.4	18.3	16.0	13.7	11.4	10.7
65°	4035.5	2238.6	45.0	27.5	20.6	18.3	15.3	13.0	10.7	8.4	7.6
67.5°	3545.1	1887.7	35.1	22.1	16.0	13.7	13.0	10.7	7.6	6.1	5.3
70°	2505.5	1292.8	27.5	16.8	12.2	10.7	9.9	8.4	6.1	4.6	3.8
72.5°	1375.2	652.1	19.8	12.2	9.2	8.4	7.6	6.9	5.3	3.8	3.8
75°	529.3	179.2	14.5	8.4	6.1	6.1	5.3	5.3	4.6	3.1	3.1
77.5°	138.1	53.4	9.2	5.3	3.8	3.8	3.8	3.1	3.1	2.3	2.3
80°	44.2	17.5	5.3	3.8	3.1	2.3	2.3	1.5	2.3	1.5	1.5
82.5°	14.5	6.1	3.1	3.1	2.3	1.5	1.5	0.8	0.8	0.0	0.0
85°	5.3	3.1	2.3	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.0
87.5°	3.1	1.5	1.5	1.5	1.5	0.8	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)