

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: P632921

Luminaire Tested: GWS-SA2D-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11542.3 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

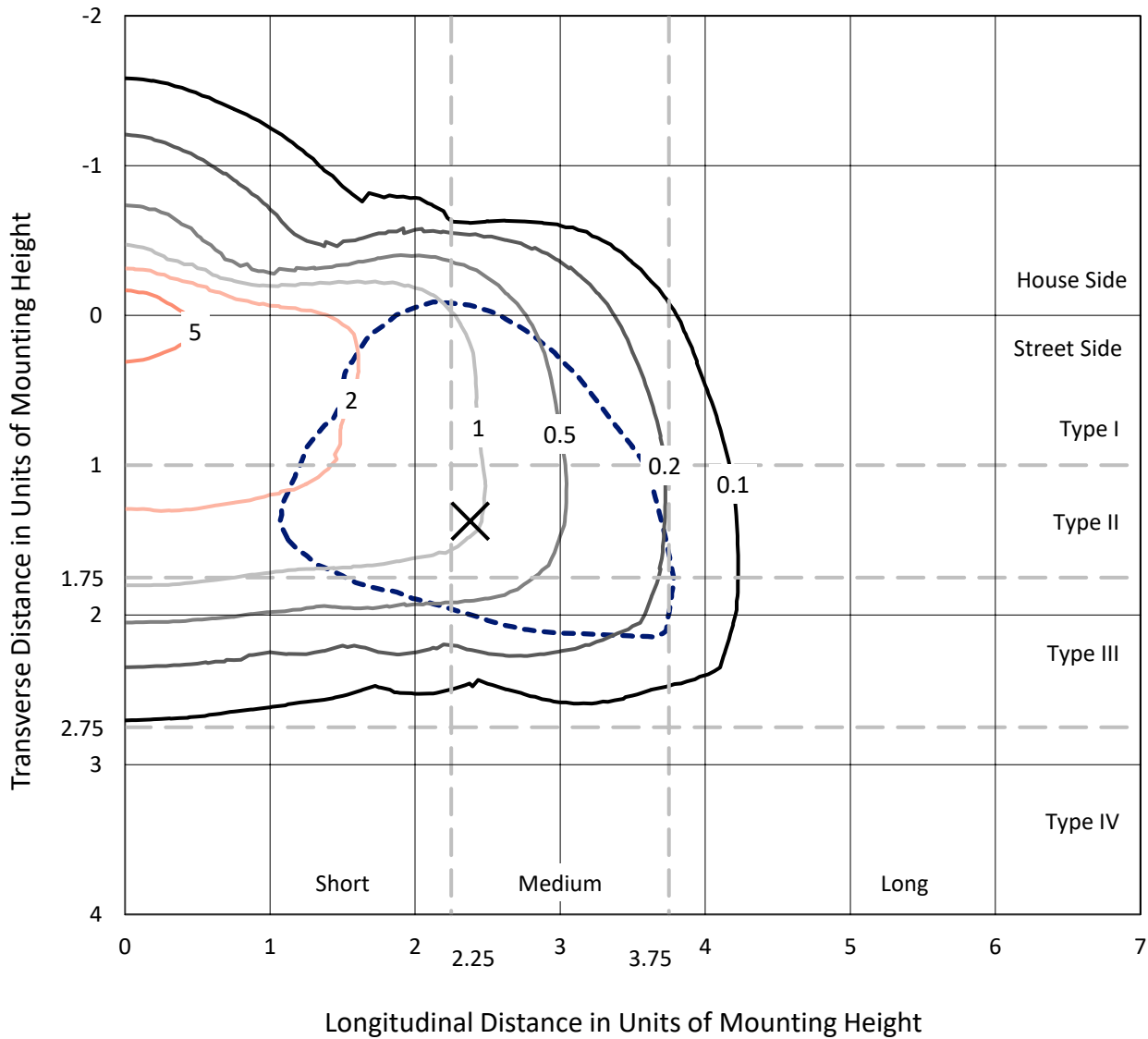
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632921
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

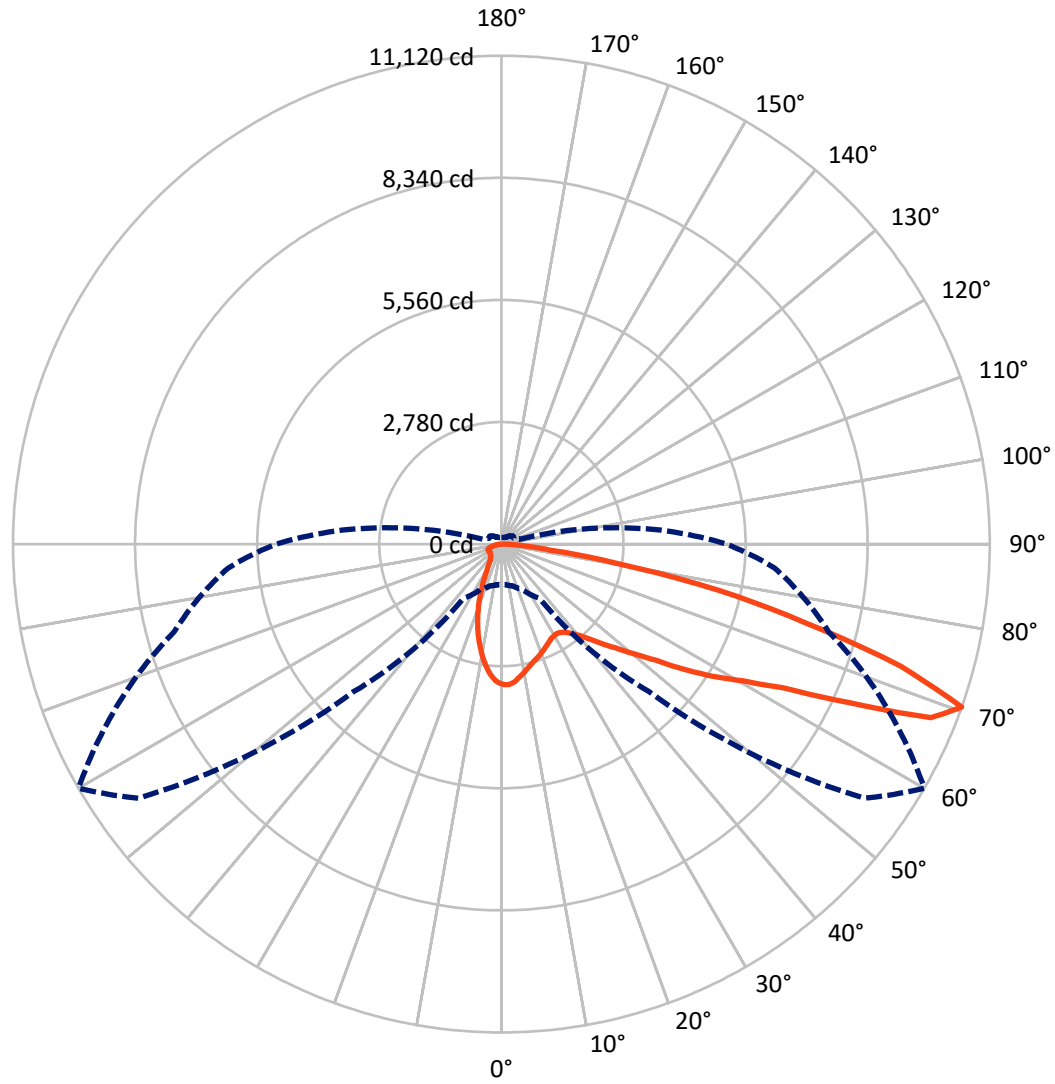
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 fc
 Type III - Medium - N/A

REPORT NUMBER: P632921
CATALOG NUMBER: GWS-SA2D-760-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P632921

CATALOG NUMBER: GWS-SA2D-760-U-SL3-W

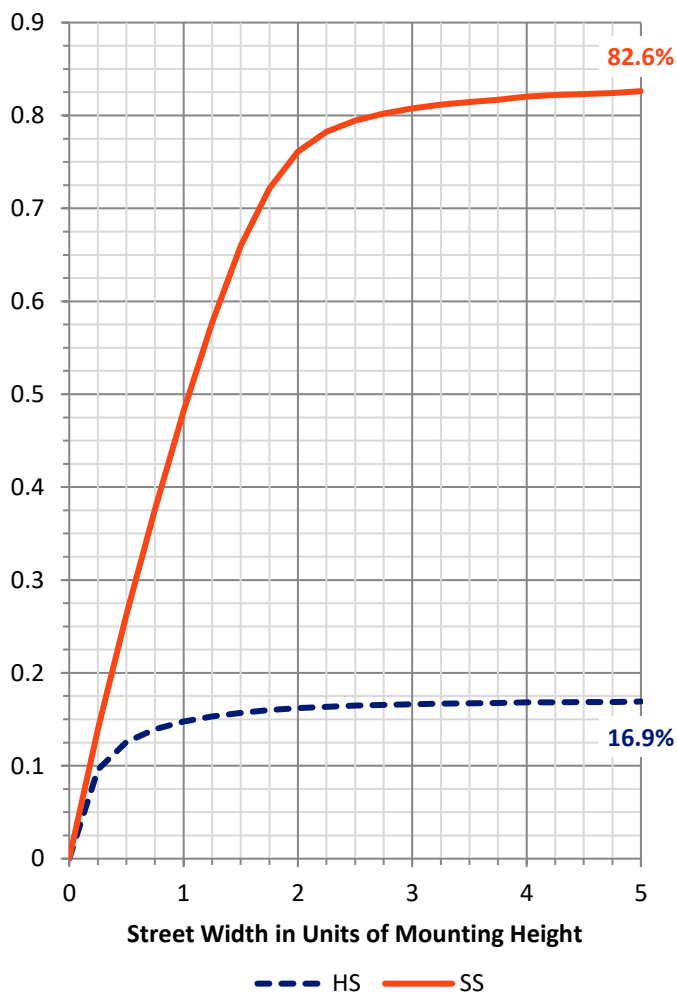
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1974.0	0.0	1974.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	9568.3	0.0	9568.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	11542.3	0.0	11542.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.3	2.4
10°-20°	616.8	5.3
20°-30°	789.9	6.8
30°-40°	1038.1	9.0
40°-50°	1506.1	13.0
50°-60°	2349.8	20.4
60°-70°	3076.4	26.7
70°-80°	1701.2	14.7
80°-90°	188.8	1.6
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°	11542.3	100.0
0°-180°	11542.3	100.0

Coefficient of Utilization



REPORT NUMBER: P632921

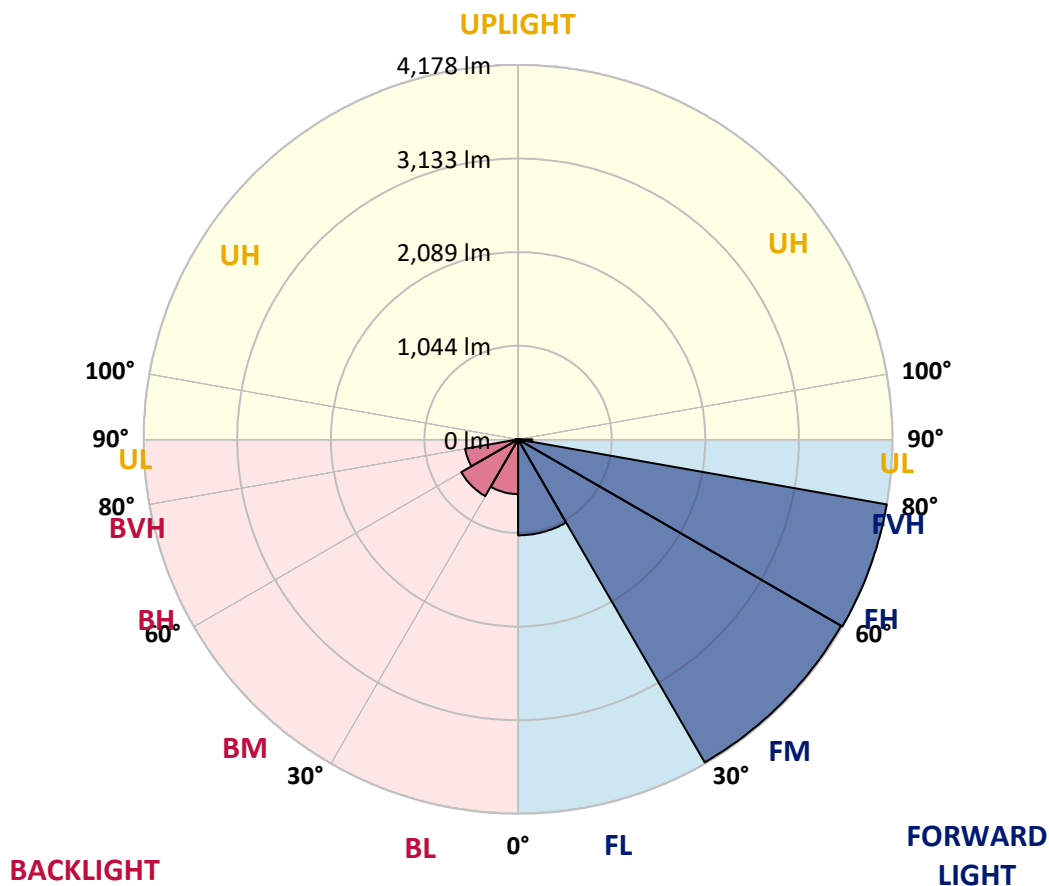
CATALOG NUMBER: GWS-SA2D-760-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1071.2	9.3			
FM (30°-60°)	4162.1	36.1			
FH (60°-80°)	4177.7	36.2			G2/5000
FVH (80°-90°)	157.3	1.4			G2/225
BL (0°-30°)	610.7	5.3	B2/1000		
BM (30°-60°)	731.9	6.3	B1/1000		
BH (60°-80°)	599.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	31.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P632921
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9
2.5°	3149.1	3152.5	3161.8	3175.3	3188.8	3195.6	3212.5	3207.4	3204.0	3197.3	3188.8
5°	3009.8	3016.6	3025.0	3051.2	3080.7	3104.4	3142.4	3146.6	3148.3	3151.7	3138.2
7.5°	2832.5	2834.1	2854.4	2889.0	2927.9	2968.4	3031.8	3049.5	3064.7	3081.6	3070.6
10°	2636.5	2640.8	2656.0	2705.8	2772.5	2832.5	2917.8	2947.3	2979.4	3016.6	3001.4
12.5°	2476.1	2476.9	2501.4	2554.6	2627.2	2708.3	2814.7	2850.2	2892.4	2950.7	2937.2
15°	2348.6	2348.6	2371.4	2417.0	2500.6	2596.0	2722.7	2768.3	2825.7	2904.2	2880.6
17.5°	2247.2	2248.1	2262.4	2310.6	2384.9	2490.4	2640.8	2702.4	2765.7	2869.6	2834.1
20°	2194.0	2189.8	2192.3	2221.9	2285.2	2387.4	2558.8	2630.6	2715.9	2846.0	2791.9
22.5°	2191.5	2183.9	2172.9	2175.4	2212.6	2297.0	2471.0	2558.0	2665.2	2826.5	2748.9
25°	2234.6	2226.1	2206.7	2184.7	2181.3	2232.0	2388.2	2487.1	2612.9	2818.1	2707.5
27.5°	2307.2	2301.3	2275.9	2243.0	2208.4	2206.7	2325.8	2428.8	2574.9	2826.5	2677.9
30°	2403.5	2393.3	2377.3	2335.0	2282.7	2228.6	2301.3	2397.5	2549.5	2853.6	2665.2
32.5°	2512.4	2506.5	2491.3	2449.1	2393.3	2307.2	2320.7	2404.3	2549.5	2900.9	2667.8
35°	2628.1	2627.2	2627.2	2599.4	2537.7	2430.5	2397.5	2461.7	2588.4	2976.9	2694.8
37.5°	2740.4	2739.6	2766.6	2776.7	2706.6	2590.9	2528.4	2576.6	2673.7	3089.2	2761.5
40°	2831.6	2835.0	2894.1	2944.8	2905.9	2798.7	2710.8	2735.3	2812.2	3248.8	2878.1
42.5°	2923.7	2933.0	3021.6	3111.1	3126.3	3033.4	2944.8	2959.1	3010.6	3459.9	3052.0
45°	3024.2	3028.4	3152.5	3277.5	3351.0	3296.1	3223.5	3242.9	3254.7	3720.9	3311.3
47.5°	3121.3	3132.3	3292.7	3464.1	3603.5	3598.4	3557.9	3552.0	3554.5	4038.4	3617.8
50°	3253.9	3269.9	3458.2	3665.1	3869.5	3963.2	3975.1	3930.3	3911.7	4391.4	3999.6
52.5°	3505.5	3505.5	3674.4	3877.9	4152.4	4384.7	4464.0	4390.6	4331.4	4764.7	4404.9
55°	3820.5	3834.0	3968.3	4133.0	4480.9	4828.0	5096.6	5015.5	4848.3	5170.9	4829.7
57.5°	3960.7	3977.6	4190.4	4446.3	4910.8	5332.2	5704.6	5675.9	5431.8	5593.1	5270.5
60°	3707.4	3742.8	4035.9	4464.9	5300.1	6145.4	6408.1	6324.5	5975.7	6036.5	5748.5
62.5°	3092.6	3131.4	3456.5	4055.3	5246.0	7024.6	7516.9	7208.7	6654.7	6596.4	6385.3
65°	1845.2	1843.5	2234.6	3028.4	4579.7	7268.6	9271.8	8696.7	7703.5	7364.9	7040.6
67.5°	1173.0	1170.5	1252.4	1604.6	3047.8	6670.7	10400.0	10549.5	9128.2	7929.9	7094.7
70°	925.6	924.7	983.8	1144.3	1507.4	4746.9	10085.9	11120.4	9988.8	7714.5	6246.8
72.5°	674.8	676.4	767.7	958.5	1162.9	2383.2	8167.2	9515.0	9187.3	6810.1	5071.2
75°	484.7	487.3	542.2	733.9	1072.5	1303.1	5431.0	7154.6	6989.9	5458.9	3488.6
77.5°	308.2	311.6	359.8	514.3	866.5	1052.2	3292.7	5051.0	4650.7	3075.7	1240.6
80°	188.3	199.3	239.8	383.4	692.5	789.6	1645.9	2661.0	2329.1	843.7	417.2
82.5°	97.1	105.6	144.4	237.3	477.1	693.3	931.5	1118.1	721.2	353.0	222.1
85°	30.4	35.5	50.7	96.3	227.2	429.9	616.5	555.7	331.0	166.4	103.0
87.5°	7.6	7.6	8.4	8.4	9.3	19.4	119.1	125.8	87.8	52.4	42.2
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: P632921
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9	3193.9
2.5°	3171.9	3151.7	3143.2	3142.4	3121.3	3090.9	3070.6	3056.3	3047.8	3046.1	3046.1
5°	3115.4	3089.2	3054.6	3028.4	2971.8	2914.4	2866.2	2839.2	2808.0	2803.7	2802.9
7.5°	3040.2	3002.2	2936.3	2862.9	2764.1	2668.6	2587.6	2532.7	2477.8	2467.6	2464.3
10°	2959.1	2907.6	2795.3	2666.1	2518.3	2375.6	2251.4	2154.3	2090.1	2044.5	2036.1
12.5°	2878.9	2810.5	2645.8	2453.3	2250.6	2055.5	1868.9	1710.1	1595.3	1528.5	1516.7
15°	2803.7	2708.3	2482.8	2237.1	1973.6	1706.7	1442.4	1236.3	1075.1	1017.6	1004.1
17.5°	2735.3	2616.3	2324.9	2013.3	1684.8	1336.0	1035.4	852.1	757.5	728.8	722.0
20°	2666.9	2521.7	2164.5	1777.7	1378.2	987.2	756.7	670.5	635.1	624.1	620.7
22.5°	2593.5	2417.8	1989.6	1545.4	1068.3	738.9	619.0	581.0	570.0	570.9	570.0
25°	2520.0	2312.2	1806.4	1292.9	795.5	599.6	540.5	526.1	528.7	536.3	537.9
27.5°	2459.2	2218.5	1626.5	1015.9	621.6	516.0	488.1	487.3	496.6	506.7	508.4
30°	2415.3	2134.9	1449.2	781.2	511.8	458.6	447.6	452.7	463.6	471.2	473.8
32.5°	2384.0	2063.1	1260.0	614.0	448.4	418.0	413.0	418.0	424.8	432.4	434.1
35°	2373.0	2010.8	1074.2	500.8	405.4	388.5	385.1	387.6	391.0	395.2	396.9
37.5°	2397.5	1984.6	880.0	435.8	379.2	369.0	364.0	362.3	363.1	364.8	365.7
40°	2470.2	1996.4	721.2	397.8	362.3	353.0	344.6	341.2	340.3	342.0	341.2
42.5°	2595.2	2046.2	606.4	375.8	348.8	335.3	326.0	322.6	322.6	326.8	326.8
45°	2778.4	2144.2	523.6	359.8	337.0	320.1	309.9	308.2	311.6	318.4	319.2
47.5°	3047.0	2287.8	473.8	347.9	326.0	306.6	296.4	295.6	302.3	313.3	314.2
50°	3365.3	2494.7	446.7	339.5	318.4	295.6	285.4	286.3	293.9	305.7	308.2
52.5°	3748.7	2776.7	448.4	336.1	314.2	288.8	278.7	277.0	284.6	296.4	299.0
55°	4144.8	3119.6	481.4	337.0	308.2	285.4	271.9	266.0	272.8	281.2	282.1
57.5°	4580.6	3506.4	563.3	335.3	300.6	282.1	266.0	252.5	256.7	261.8	264.3
60°	5072.1	3961.6	739.8	338.6	297.3	274.5	254.2	236.5	235.6	239.0	239.8
62.5°	5729.1	4580.6	938.2	344.6	304.9	265.2	236.5	217.9	214.5	216.2	217.0
65°	6231.6	4876.2	875.7	339.5	320.9	258.4	219.6	200.1	193.4	191.7	191.7
67.5°	6027.2	4485.1	609.7	326.0	328.5	259.3	206.1	181.6	173.1	168.9	168.1
70°	5128.7	3643.2	423.9	312.5	320.1	257.6	191.7	166.4	155.4	149.5	148.6
72.5°	4051.9	2781.8	342.9	285.4	290.5	232.2	170.6	149.5	140.2	132.6	132.6
75°	2607.8	1697.4	286.3	254.2	237.3	180.7	147.8	133.4	124.1	116.5	116.5
77.5°	877.4	630.0	222.1	215.3	177.3	136.0	124.1	114.9	107.3	100.5	99.7
80°	356.4	299.0	163.0	163.0	124.1	103.9	97.1	92.9	87.8	79.4	79.4
82.5°	206.9	181.6	114.0	98.8	82.8	71.8	67.6	63.3	63.3	57.4	57.4
85°	99.7	100.5	68.4	60.8	47.3	41.4	39.7	37.2	36.3	32.9	32.1
87.5°	54.0	54.9	34.6	27.0	18.6	16.0	13.5	12.7	11.8	11.0	11.0
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)