

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: P633574

Luminaire Tested: GWS-SA2F-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7016.6 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

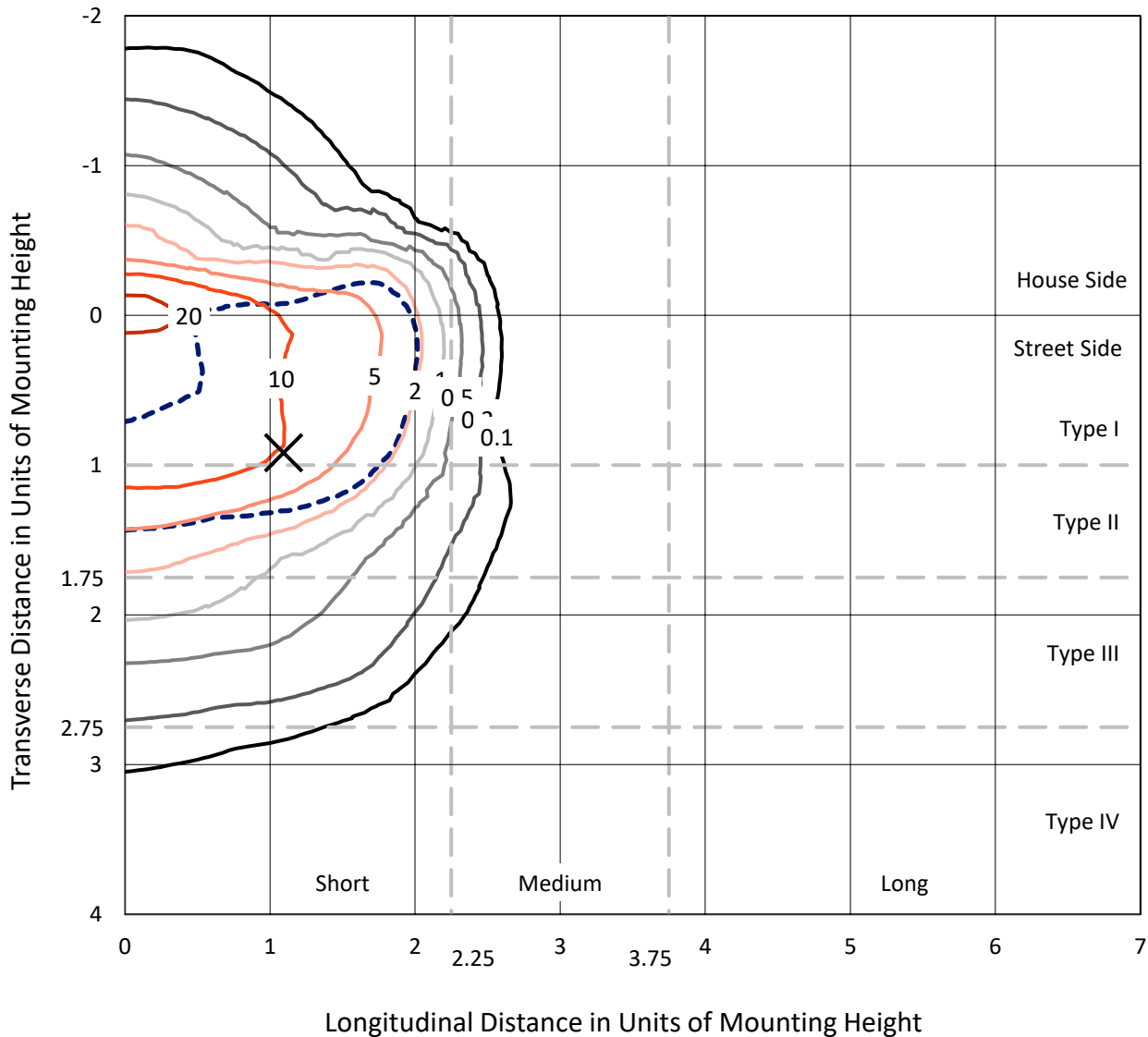
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

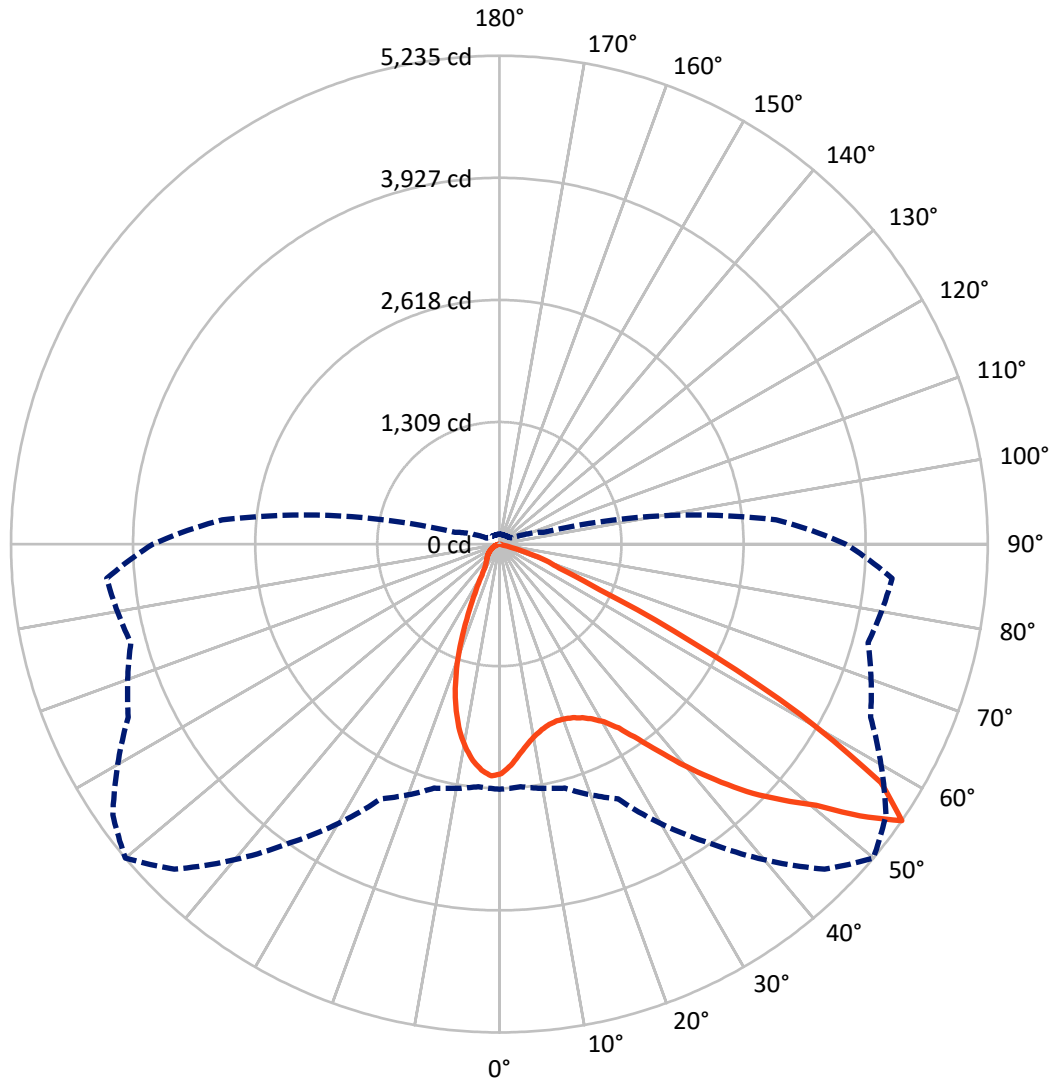
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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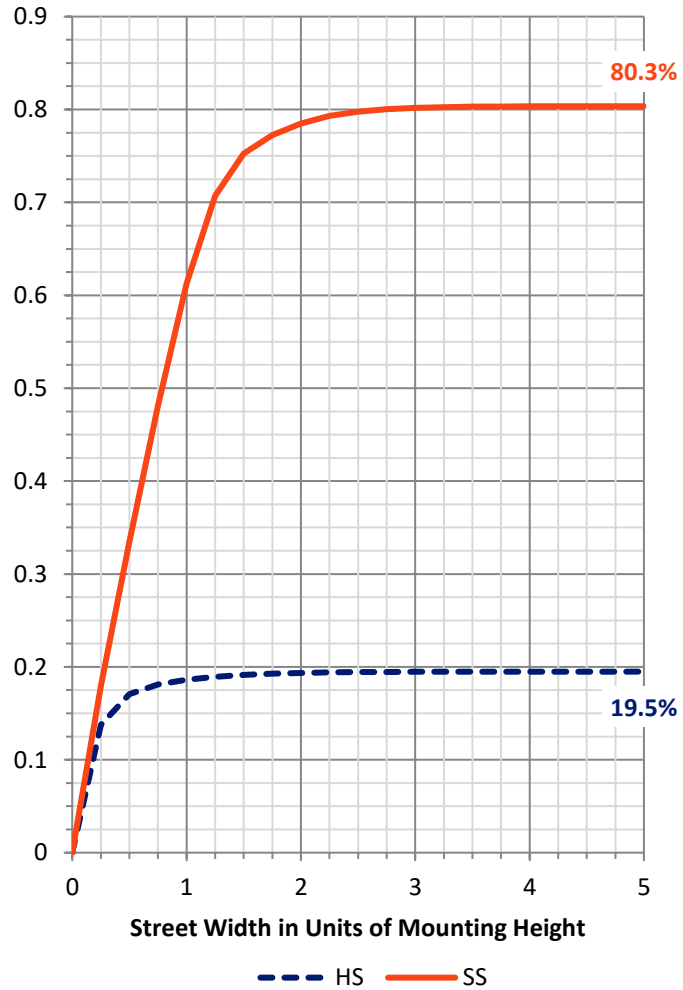
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1382.6	0.0	1382.6
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	5634.0	0.0	5634.0
	% Fixture	80.3	0.0	80.3
Total	Lumens	7016.6	0.0	7016.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.2	3.1
10°-20°	532.0	7.6
20°-30°	750.4	10.7
30°-40°	1110.5	15.8
40°-50°	1602.1	22.8
50°-60°	1889.8	26.9
60°-70°	843.0	12.0
70°-80°	72.5	1.0
80°-90°	0.0	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°	7016.6	100.0
0°-180°	7016.6	100.0

Coefficient of Utilization



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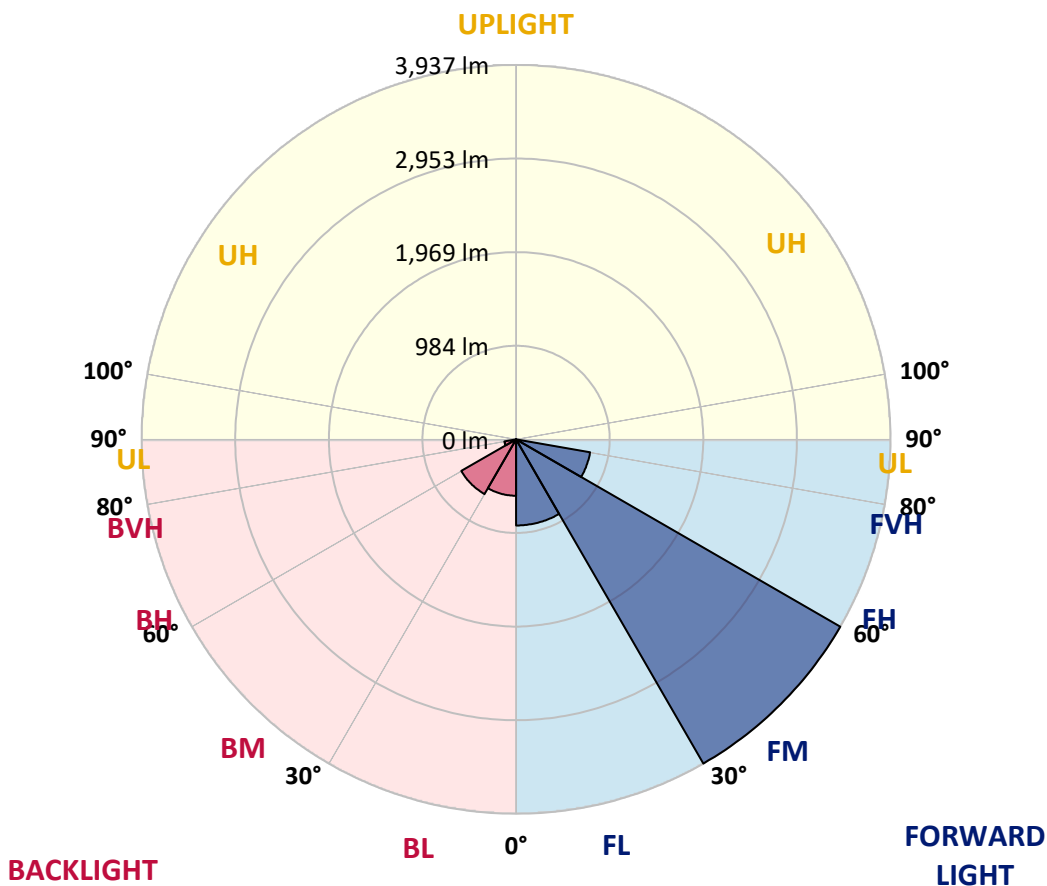
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.9	12.9			
FM (30°-60°)	3937.5	56.1			
FH (60°-80°)	790.6	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	592.8	8.4	B2/1000		
BM (30°-60°)	664.9	9.5	B1/1000		
BH (60°-80°)	124.8	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8
2.5°	2287.1	2288.8	2289.6	2312.8	2321.3	2355.6	2373.6	2383.0	2407.8	2437.0	2461.0
5°	2133.7	2131.2	2135.5	2164.6	2183.4	2234.0	2261.4	2280.2	2335.0	2403.6	2461.0
7.5°	2000.1	2005.3	2010.4	2042.1	2070.4	2125.2	2164.6	2192.8	2269.1	2371.0	2467.8
10°	1905.9	1905.9	1913.6	1949.6	1983.0	2050.7	2090.1	2126.0	2216.8	2341.9	2475.5
12.5°	1836.5	1837.4	1846.8	1887.9	1926.5	1996.7	2037.8	2072.9	2173.1	2312.8	2477.2
15°	1804.0	1801.4	1809.1	1852.8	1895.6	1961.6	2004.4	2038.7	2142.3	2296.5	2485.8
17.5°	1795.4	1793.7	1799.7	1842.5	1886.2	1950.4	1992.4	2026.7	2138.0	2301.6	2511.5
20°	1820.2	1816.8	1814.2	1851.1	1892.2	1955.6	1999.3	2037.8	2158.6	2329.9	2550.9
22.5°	1879.3	1879.3	1873.3	1891.3	1918.7	1976.1	2021.5	2072.1	2212.5	2386.4	2609.1
25°	1988.1	1979.6	1968.4	1976.1	1972.7	2008.7	2062.6	2132.9	2314.5	2479.8	2680.2
27.5°	2112.3	2120.0	2101.2	2102.0	2072.1	2059.2	2121.8	2228.0	2466.1	2611.7	2785.6
30°	2281.1	2275.1	2275.9	2273.4	2204.0	2143.2	2210.8	2352.2	2657.1	2813.0	2922.7
32.5°	2413.0	2421.6	2449.8	2466.1	2375.3	2277.6	2349.6	2520.9	2874.7	3042.6	3090.5
35°	2552.6	2568.0	2625.4	2678.5	2602.3	2490.1	2567.2	2744.5	3079.4	3269.6	3283.3
37.5°	2699.9	2730.8	2799.3	2892.7	2880.7	2781.3	2851.6	3007.5	3240.4	3406.6	3442.6
40°	2868.7	2898.7	3010.9	3145.4	3173.6	3151.4	3174.5	3265.3	3346.7	3412.6	3511.1
42.5°	3053.7	3094.8	3237.0	3416.9	3523.1	3542.8	3488.9	3479.4	3392.9	3344.1	3496.6
45°	3272.1	3320.1	3481.1	3714.1	3882.9	3909.4	3816.1	3695.3	3422.0	3293.6	3452.9
47.5°	3517.1	3562.5	3722.7	4002.8	4253.8	4264.1	4101.3	3906.9	3508.6	3351.8	3486.3
50°	3599.4	3627.6	3766.4	4095.3	4557.9	4636.7	4401.1	4145.0	3682.4	3523.1	3649.0
52.5°	3316.7	3327.8	3448.6	3780.9	4496.2	5002.4	4838.8	4500.5	3991.7	3784.4	3900.0
55°	2628.0	2610.0	2707.7	3012.6	3907.7	4927.9	5235.4	5059.0	4390.0	4091.0	4226.4
57.5°	1838.2	1816.8	1794.5	2001.0	2915.8	4177.5	4824.3	5136.9	4769.4	4395.1	4578.4
60°	1511.0	1490.5	1382.5	1287.4	1762.8	2999.7	3705.6	4294.0	4738.6	4379.7	4567.3
62.5°	1305.4	1293.4	1249.8	1120.4	1037.3	1712.3	2320.5	2884.1	3636.2	3439.2	3449.5
65°	1025.3	1021.9	1051.9	1065.6	917.4	947.4	1183.8	1499.0	1965.9	1853.6	1757.7
67.5°	700.7	693.0	749.5	921.7	882.3	747.8	693.0	699.0	850.6	519.9	412.9
70°	445.4	427.4	428.3	571.3	717.8	590.2	534.5	470.3	423.2	77.1	87.4
72.5°	285.2	274.1	235.6	257.8	332.4	287.8	290.4	250.1	167.0	41.1	48.0
75°	119.9	110.5	84.8	67.7	66.8	42.0	36.8	34.3	23.1	23.1	24.8
77.5°	0.9	0.0	0.0	0.9	1.7	0.9	0.9	1.7	3.4	5.1	6.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8	2461.8
2.5°	2475.5	2455.0	2478.1	2486.7	2485.8	2486.7	2461.8	2444.7	2443.8	2422.4	2412.1
5°	2484.9	2468.7	2485.8	2474.7	2448.1	2414.7	2370.2	2331.6	2314.5	2289.6	2277.6
7.5°	2502.9	2485.8	2483.2	2438.7	2372.7	2302.5	2223.7	2153.4	2115.8	2070.4	2072.9
10°	2515.8	2496.1	2462.7	2371.9	2262.2	2150.0	2032.7	1928.2	1862.2	1801.4	1791.1
12.5°	2520.9	2491.8	2413.8	2276.8	2122.6	1976.1	1804.0	1654.9	1552.1	1472.5	1461.3
15°	2530.3	2483.2	2351.3	2162.0	1950.4	1743.1	1523.9	1320.0	1183.8	1092.1	1099.8
17.5°	2544.9	2473.8	2281.1	2033.5	1765.4	1472.5	1176.1	942.2	817.2	764.1	764.9
20°	2565.5	2462.7	2204.0	1892.2	1543.6	1166.7	822.3	645.9	610.7	609.0	606.5
22.5°	2592.9	2451.5	2121.8	1737.1	1280.6	817.2	547.4	492.5	507.1	535.4	540.5
25°	2625.4	2437.8	2030.1	1562.4	993.6	536.2	410.3	401.7	436.9	474.5	483.1
27.5°	2676.0	2431.0	1925.6	1363.7	697.3	384.6	335.8	340.9	372.6	404.3	412.0
30°	2761.6	2443.8	1811.7	1141.0	448.0	306.7	291.2	298.9	316.1	332.4	339.2
32.5°	2878.1	2481.5	1701.2	897.7	319.5	266.4	263.0	267.3	274.1	283.5	286.1
35°	3014.3	2546.6	1587.2	642.4	263.8	243.3	239.8	239.8	243.3	245.0	245.8
37.5°	3126.5	2615.1	1480.2	427.4	236.4	225.3	220.1	217.6	216.7	218.4	219.3
40°	3175.3	2643.4	1363.7	310.9	216.7	209.0	201.3	193.6	193.6	199.6	200.4
42.5°	3141.1	2611.7	1229.2	257.0	203.0	191.9	179.9	173.0	176.5	182.5	184.2
45°	3068.3	2533.8	1081.0	227.0	189.3	174.7	161.0	156.8	160.2	167.9	169.6
47.5°	3056.3	2482.4	903.7	207.3	174.7	160.2	145.6	141.3	145.6	151.6	153.3
50°	3175.3	2526.9	706.7	190.2	161.0	144.8	132.8	128.5	131.1	134.5	136.2
52.5°	3392.9	2692.2	570.5	173.9	144.8	129.3	121.6	116.5	116.5	119.9	120.8
55°	3714.1	2980.9	492.5	155.0	125.9	117.4	110.5	105.4	105.4	107.1	107.9
57.5°	4084.2	3330.4	510.5	130.2	110.5	106.2	100.2	95.9	97.7	97.7	97.7
60°	4032.8	3304.7	546.5	109.6	97.7	95.9	90.8	89.1	93.4	89.9	88.2
62.5°	2970.6	2282.8	286.1	89.9	83.9	82.2	78.8	82.2	88.2	78.8	75.4
65°	1442.5	1105.0	114.8	73.7	71.1	69.4	67.7	72.8	76.2	61.7	58.2
67.5°	339.2	275.8	74.5	62.5	59.1	55.7	57.4	58.2	55.7	42.0	40.3
70°	88.2	86.5	58.2	52.3	47.1	43.7	43.7	42.8	36.8	26.6	24.8
72.5°	48.0	47.1	42.0	39.4	32.6	29.1	30.0	26.6	20.6	15.4	14.6
75°	24.0	25.7	24.0	22.3	18.0	16.3	16.3	14.6	10.3	6.0	6.0
77.5°	5.1	6.0	6.0	5.1	4.3	3.4	3.4	4.3	1.7	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)