

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P955189

Luminaire Tested: **GALN-SB8B-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8B-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37387 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

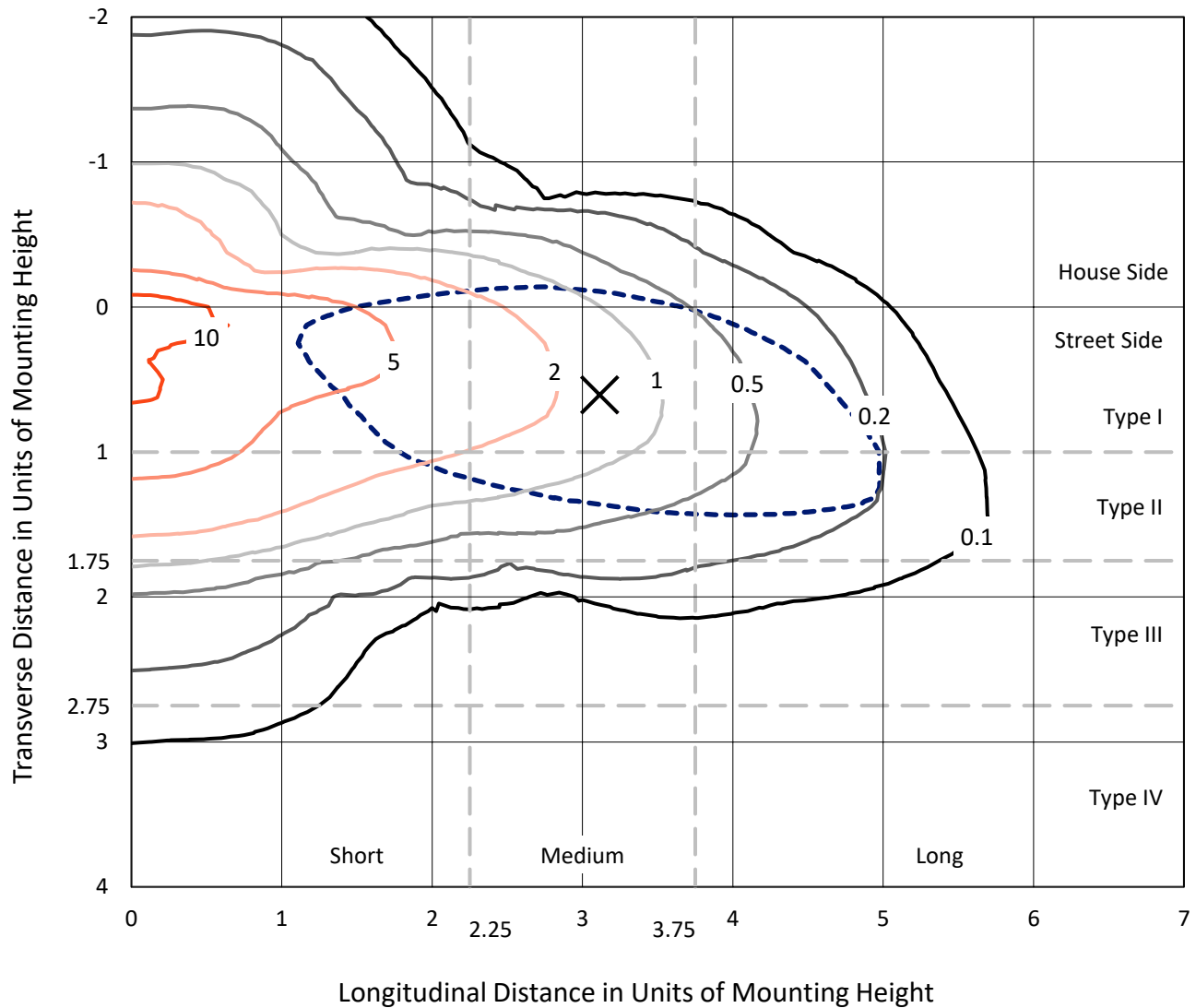


REPORT NUMBER: P955189

CATALOG NUMBER: GALN-SB8B-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

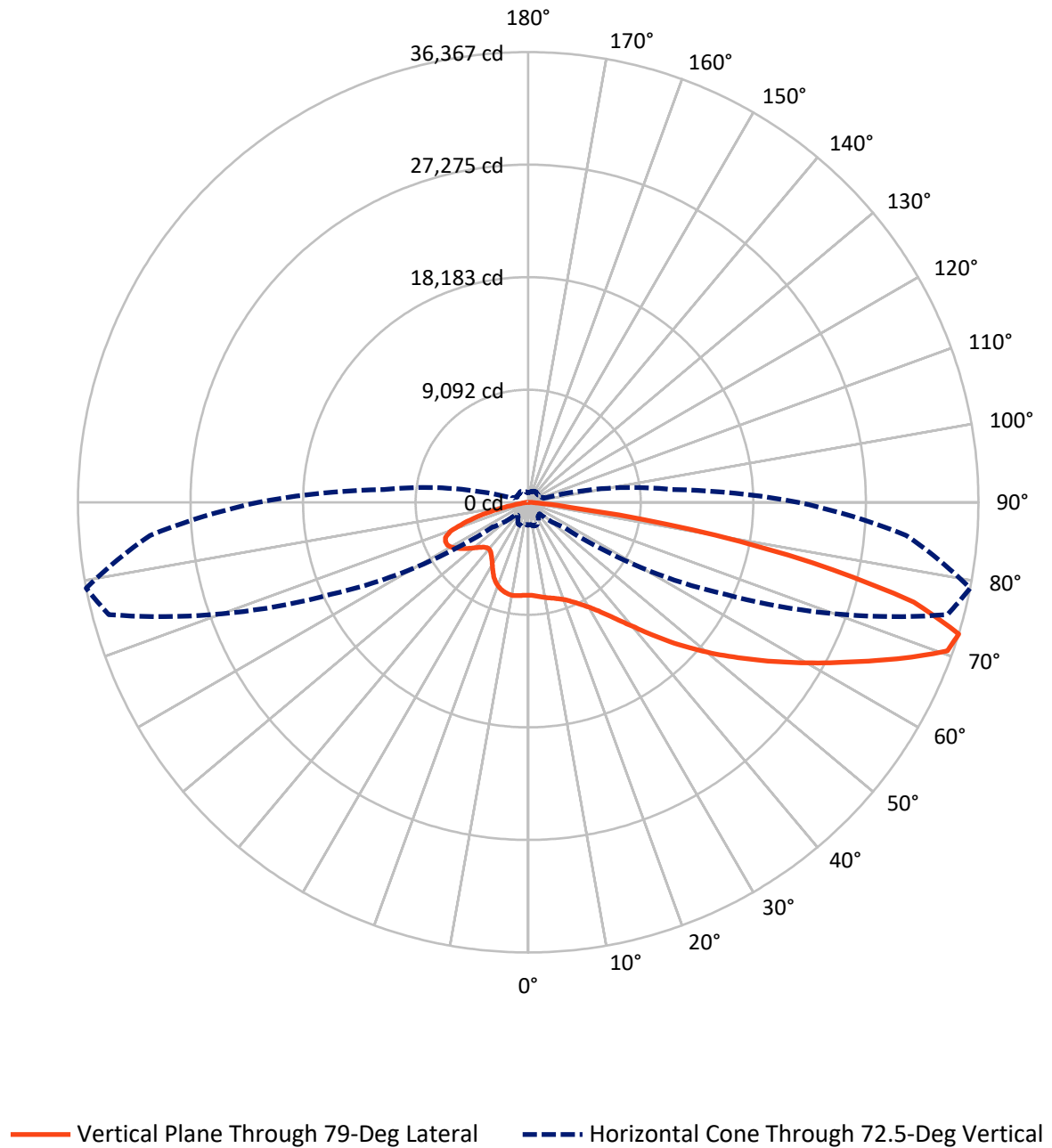
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
Type II - Medium - N/A

REPORT NUMBER: P955189
CATALOG NUMBER: GALN-SB8B-722-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P955189

CATALOG NUMBER: GALN-SB8B-722-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8227.2	0.0	8227.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	29159.8	0.0	29159.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	37387.0	0.0	37387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.2	1.8
10°-20°	1781.1	4.8
20°-30°	2874.0	7.7
30°-40°	4313.5	11.5
40°-50°	6118.9	16.4
50°-60°	7727.3	20.7
60°-70°	7848.2	21.0
70°-80°	5348.9	14.3
80°-90°	694.0	1.9
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°	37387.0	100.0
0°-180°	37387.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955189

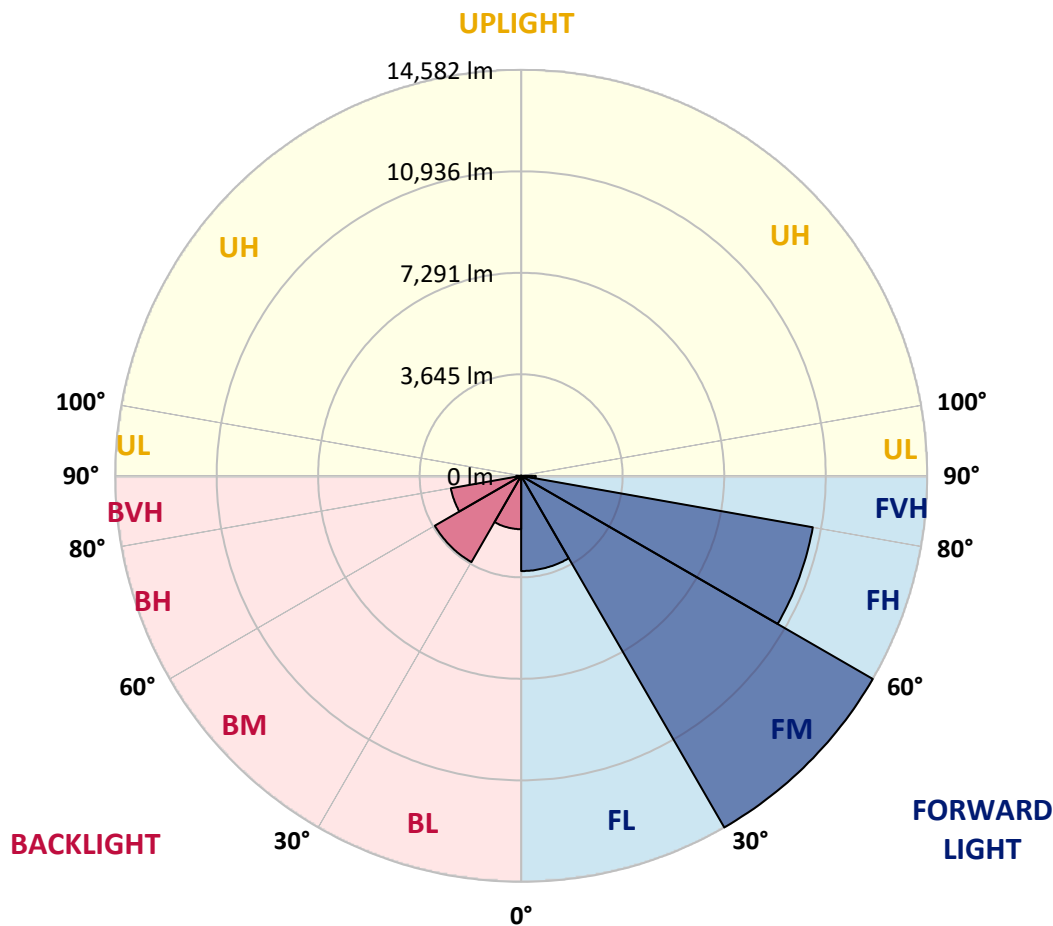
CATALOG NUMBER: GALN-SB8B-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3420.0	9.1			
FM	(30°-60°)	14581.7	39.0			
FH	(60°-80°)	10635.3	28.4			G4/12000
FVH	(80°-90°)	522.8	1.4			G4/750
BL	(0°-30°)	1916.4	5.1	B3/2500		
BM	(30°-60°)	3578.0	9.6	B3/5000		
BH	(60°-80°)	2561.7	6.9	B4/5000		G4/5000
BVH	(80°-90°)	171.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



REPORT NUMBER: P955189

CATALOG NUMBER: GALN-SB8B-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1
2.5°	7509.0	7473.4	7495.2	7487.3	7497.2	7509.0	7513.0	7518.9	7538.7	7536.7	7534.7
5°	7493.2	7457.6	7487.3	7477.4	7503.1	7530.8	7554.5	7576.3	7607.9	7621.8	7602.0
7.5°	7459.6	7435.9	7465.5	7495.2	7542.7	7584.2	7617.8	7667.2	7712.7	7720.6	7734.5
10°	7263.8	7246.0	7315.2	7392.4	7522.9	7635.6	7708.8	7766.1	7815.6	7823.5	7843.3
12.5°	7060.1	7038.4	7115.5	7220.3	7431.9	7635.6	7789.9	7865.0	7908.5	7934.2	7963.9
15°	7026.5	7008.7	7052.2	7143.2	7319.2	7582.2	7845.2	7983.7	8021.2	8050.9	8062.8
17.5°	7188.7	7155.0	7172.8	7204.5	7307.3	7532.8	7888.7	8118.1	8175.5	8207.1	8207.1
20°	7564.4	7517.0	7489.3	7426.0	7408.2	7540.7	7884.8	8280.3	8355.5	8395.0	8404.9
22.5°	8064.8	8033.1	7973.8	7813.6	7639.6	7637.6	7959.9	8488.0	8628.4	8666.0	8642.2
25°	8669.9	8622.4	8547.3	8329.8	7995.5	7829.4	8086.5	8753.0	8988.3	8998.2	8929.0
27.5°	9366.0	9294.8	9192.0	8905.2	8454.3	8130.0	8280.3	9057.5	9401.6	9397.7	9255.3
30°	10099.7	10028.5	9919.8	9571.7	9004.1	8535.4	8549.3	9385.8	9892.1	9870.3	9627.1
32.5°	10635.7	10582.3	10560.5	10291.6	9637.0	9014.0	8857.8	9749.7	10497.2	10477.5	10137.3
35°	11047.0	10977.8	11003.5	10867.0	10327.2	9549.9	9235.5	10182.8	11232.9	11230.9	10807.7
37.5°	11454.4	11393.1	11414.8	11323.9	10965.9	10230.3	9696.3	10712.8	12144.6	12188.1	11618.5
40°	11826.2	11760.9	11847.9	11762.9	11462.3	10954.1	10220.4	11312.0	13200.6	13283.7	12599.4
42.5°	12049.7	11998.2	12142.6	12144.6	11893.4	11565.1	10795.9	11972.5	14422.8	14608.7	13805.8
45°	12126.8	12109.0	12326.5	12372.0	12275.1	11919.1	11314.0	12692.4	15739.9	16072.2	15180.2
47.5°	12043.7	12010.1	12310.7	12478.8	12555.9	12085.3	11743.1	13471.6	17084.7	17571.2	16679.3
50°	11624.5	11559.2	12006.2	12360.2	12635.0	12194.0	12176.2	14371.4	18613.4	19145.4	18186.2
52.5°	10871.0	10821.6	11329.8	11944.9	12461.0	12247.4	12662.7	15354.3	20065.0	20753.2	19730.8
55°	9907.9	9842.6	10402.3	11205.2	12027.9	12229.6	13149.2	16453.8	21777.6	22475.7	21326.7
57.5°	8381.2	8250.6	8958.6	9907.9	11321.9	12207.9	13655.5	17547.5	23517.9	24354.4	23029.4
60°	6154.4	5960.6	6828.7	7954.0	9941.5	11996.3	14282.4	18773.6	25606.3	26359.8	24888.4
62.5°	3583.5	3470.7	4038.3	5088.4	7493.2	10750.4	14634.4	20199.5	27659.1	28450.1	26715.7
65°	2782.5	2750.9	2800.3	2881.4	4170.8	8048.9	13548.7	21589.7	30269.5	30823.3	28620.2
67.5°	2545.2	2521.5	2543.2	2390.9	2116.1	4483.3	10718.7	21941.7	33065.9	33402.1	30287.3
70°	2262.4	2234.7	2305.9	2175.4	1665.2	2038.9	6925.6	20664.2	35290.7	35921.6	31555.0
72.5°	1843.1	1811.5	1977.6	1918.3	1402.1	1309.2	3478.6	17628.5	35057.3	36366.5	30647.2
75°	1416.0	1398.2	1595.9	1645.4	1143.1	1030.3	1669.1	13103.7	30850.9	32170.0	26413.2
77.5°	1099.6	1085.7	1186.6	1366.5	921.6	799.0	1026.4	8312.0	23249.0	23480.3	18202.1
80°	824.7	785.1	878.1	1058.0	717.9	583.4	696.1	4847.2	14695.7	13321.3	7922.4
82.5°	516.2	496.4	573.5	706.0	506.3	401.5	452.9	2677.7	5889.4	3468.8	1528.7
85°	294.7	286.8	312.5	403.4	274.9	231.4	259.1	1182.6	1075.8	739.6	460.8
87.5°	118.7	114.7	142.4	180.0	100.9	85.0	91.0	284.8	237.3	219.5	152.3
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: P955189

CATALOG NUMBER: GALN-SB8B-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1	7505.1
2.5°	7526.8	7526.8	7499.2	7455.6	7406.2	7374.6	7323.1	7309.3	7255.9	7240.1	7265.8
5°	7617.8	7602.0	7517.0	7394.3	7226.2	7072.0	6901.9	6795.1	6644.8	6591.4	6631.0
7.5°	7732.5	7689.0	7542.7	7273.7	6921.7	6575.6	6215.7	5942.8	5681.7	5588.8	5600.6
10°	7837.3	7776.0	7526.8	7056.2	6447.1	5847.8	5274.3	4872.9	4568.3	4443.7	4471.4
12.5°	7942.1	7829.4	7422.0	6694.3	5772.7	4959.9	4348.8	4036.3	3848.5	3698.2	3747.6
15°	8041.0	7882.8	7259.9	6209.7	5033.1	4208.4	3757.5	3508.3	3358.0	3259.1	3276.9
17.5°	8155.7	7928.3	7016.6	5594.7	4329.0	3688.3	3320.4	3170.1	3140.5	3128.6	3136.5
20°	8315.9	7969.8	6696.2	4906.5	3810.9	3273.0	3083.1	3069.3	3067.3	3061.4	3081.1
22.5°	8488.0	8019.3	6273.0	4281.6	3369.9	3013.9	2980.3	2952.6	2934.8	2932.8	2954.6
25°	8691.7	8035.1	5743.0	3769.4	2994.1	2891.3	2851.7	2810.2	2798.3	2798.3	2810.2
27.5°	8889.4	7981.7	5126.0	3324.4	2782.5	2778.6	2727.1	2713.3	2711.3	2717.3	2733.1
30°	9087.2	7880.8	4512.9	2913.0	2659.9	2659.9	2642.1	2652.0	2659.9	2679.7	2693.5
32.5°	9354.2	7774.0	4000.7	2608.5	2553.1	2533.3	2551.1	2570.9	2578.8	2604.5	2626.3
35°	9745.7	7698.9	3593.3	2442.4	2442.4	2416.7	2426.5	2422.6	2404.8	2392.9	2420.6
37.5°	10263.9	7694.9	3257.1	2365.2	2349.4	2345.5	2347.4	2321.7	2252.5	2169.5	2171.4
40°	10886.8	7801.7	2998.1	2311.8	2300.0	2323.7	2311.8	2242.6	2052.8	1908.4	1904.5
42.5°	11723.4	8106.3	2832.0	2246.6	2282.2	2311.8	2264.4	2025.1	1896.5	1799.6	1795.7
45°	12708.2	8600.7	2746.9	2177.4	2248.6	2284.2	2054.8	1949.9	1847.1	1730.4	1722.5
47.5°	13823.6	9223.6	2727.1	2112.1	2173.4	2195.2	1965.8	1918.3	1801.6	1675.0	1665.2
50°	15037.9	9961.3	2780.5	2035.0	2064.6	1989.5	1936.1	1892.6	1772.0	1647.4	1633.5
52.5°	16293.6	10774.1	2887.3	1930.2	1955.9	1872.8	1924.2	1886.7	1754.2	1586.1	1574.2
55°	17527.7	11592.8	2990.2	1807.5	1845.1	1768.0	1890.6	1862.9	1673.1	1483.2	1473.3
57.5°	18781.5	12407.6	3091.0	1698.8	1738.3	1667.1	1837.2	1799.6	1582.1	1388.3	1384.3
60°	20084.8	13198.7	3138.5	1594.0	1621.7	1574.2	1756.1	1690.9	1479.3	1291.4	1285.5
62.5°	21304.9	13857.2	3061.4	1489.2	1506.9	1487.2	1649.3	1562.3	1376.4	1182.6	1180.6
65°	22529.1	14248.8	2824.0	1386.3	1390.3	1380.4	1499.0	1423.9	1255.8	1087.7	1075.8
67.5°	23638.5	14468.3	2446.3	1275.6	1265.7	1261.7	1358.6	1273.6	1139.1	992.8	980.9
70°	23873.9	13910.6	1868.9	1145.0	1145.0	1135.2	1204.4	1117.4	1010.6	891.9	888.0
72.5°	21805.3	11701.6	1327.0	996.7	1012.5	992.8	1050.1	976.9	880.0	800.9	777.2
75°	17583.1	8580.9	965.1	844.4	872.1	838.5	891.9	840.5	757.4	755.5	680.3
77.5°	12081.3	5306.0	700.1	696.1	715.9	672.4	733.7	706.0	630.9	597.2	559.7
80°	5155.7	2116.1	510.2	537.9	537.9	498.4	569.6	577.5	512.2	496.4	496.4
82.5°	1026.4	601.2	358.0	369.8	348.1	336.2	403.4	446.9	617.0	686.2	688.2
85°	308.5	221.5	215.6	201.7	178.0	180.0	237.3	448.9	553.7	316.4	272.9
87.5°	85.0	55.4	57.4	45.5	37.6	49.4	81.1	340.2	185.9	79.1	67.2
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)