

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: P951989

Luminaire Tested: **GALN-SB6A-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17309 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G4

Input Watts (W): 170.9
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



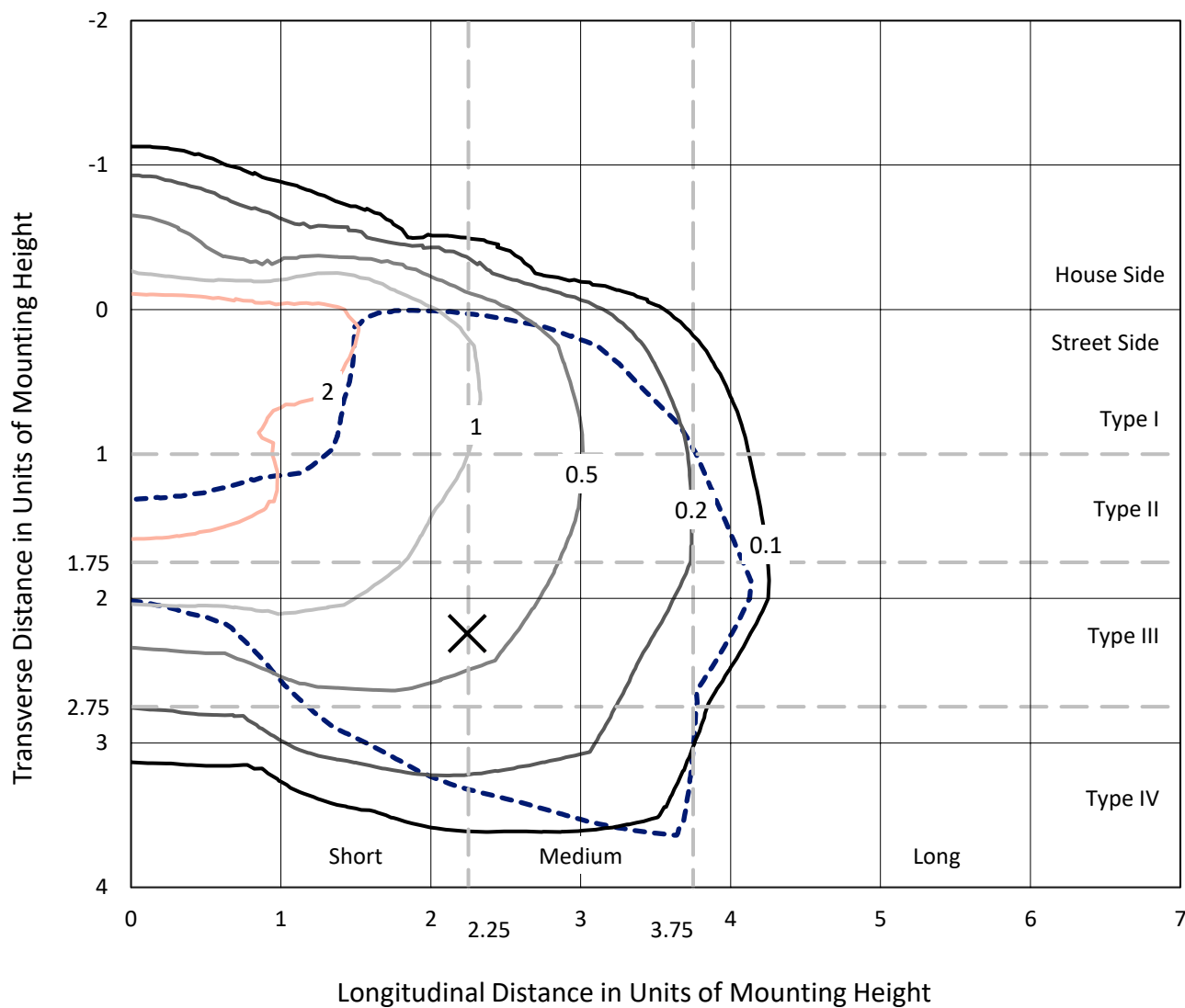
REPORT NUMBER: P951989

CATALOG NUMBER: GALN-SB6A-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



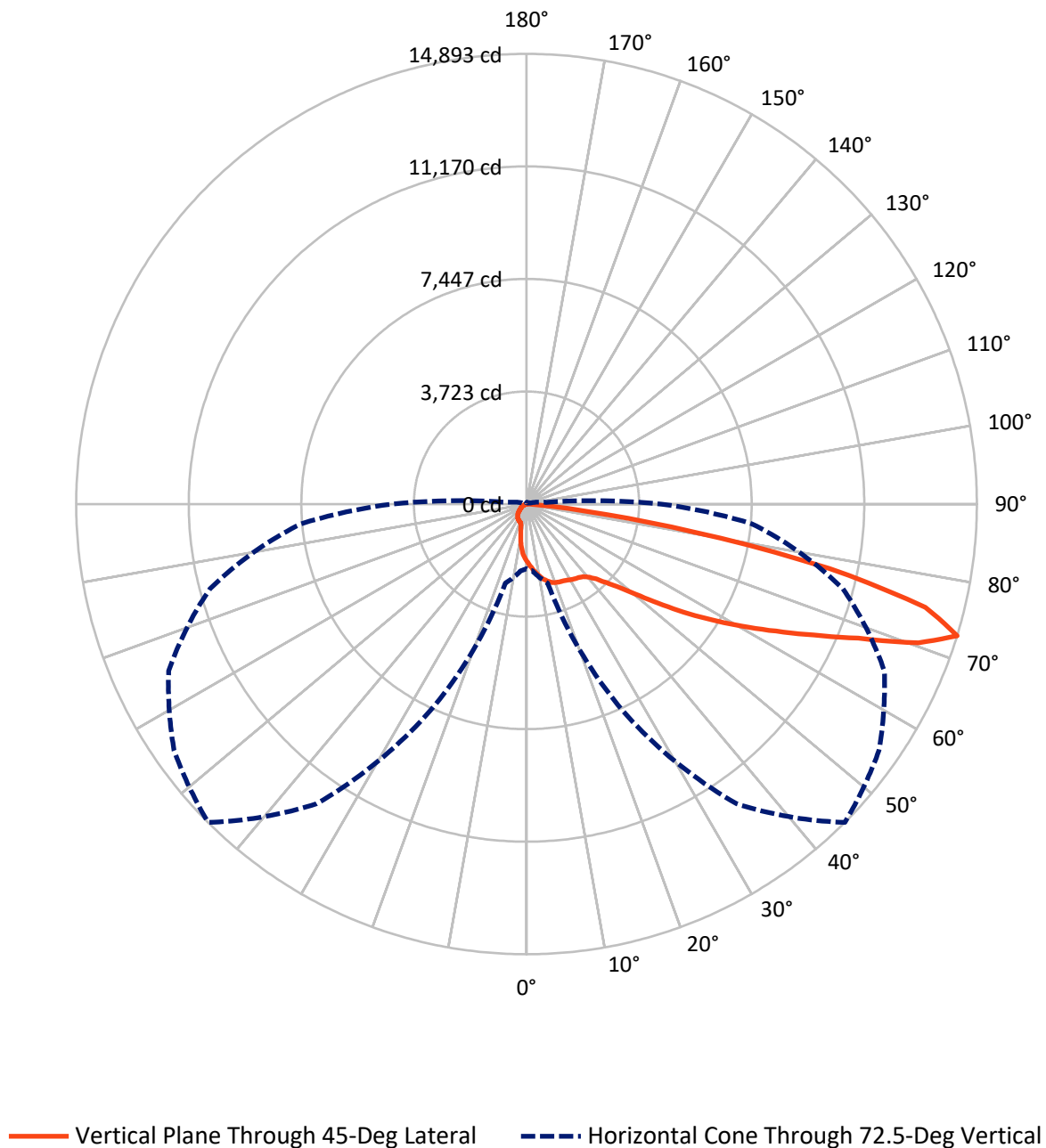
Based on 25 foot mounting height. Maximum calculated value = 4.2 fc

Type IV - Short - N/A

REPORT NUMBER: P951989

CATALOG NUMBER: GALN-SB6A-722-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P951989

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1818.7	0.0	1818.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	15490.3	0.0	15490.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	17309.0	0.0	17309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	1.0
10°-20°	522.2	3.0
20°-30°	857.5	5.0
30°-40°	1216.1	7.0
40°-50°	2010.1	11.6
50°-60°	3610.9	20.9
60°-70°	5013.9	29.0
70°-80°	3636.9	21.0
80°-90°	262.9	1.5
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°	17309.0	100.0
0°-180°	17309.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951989

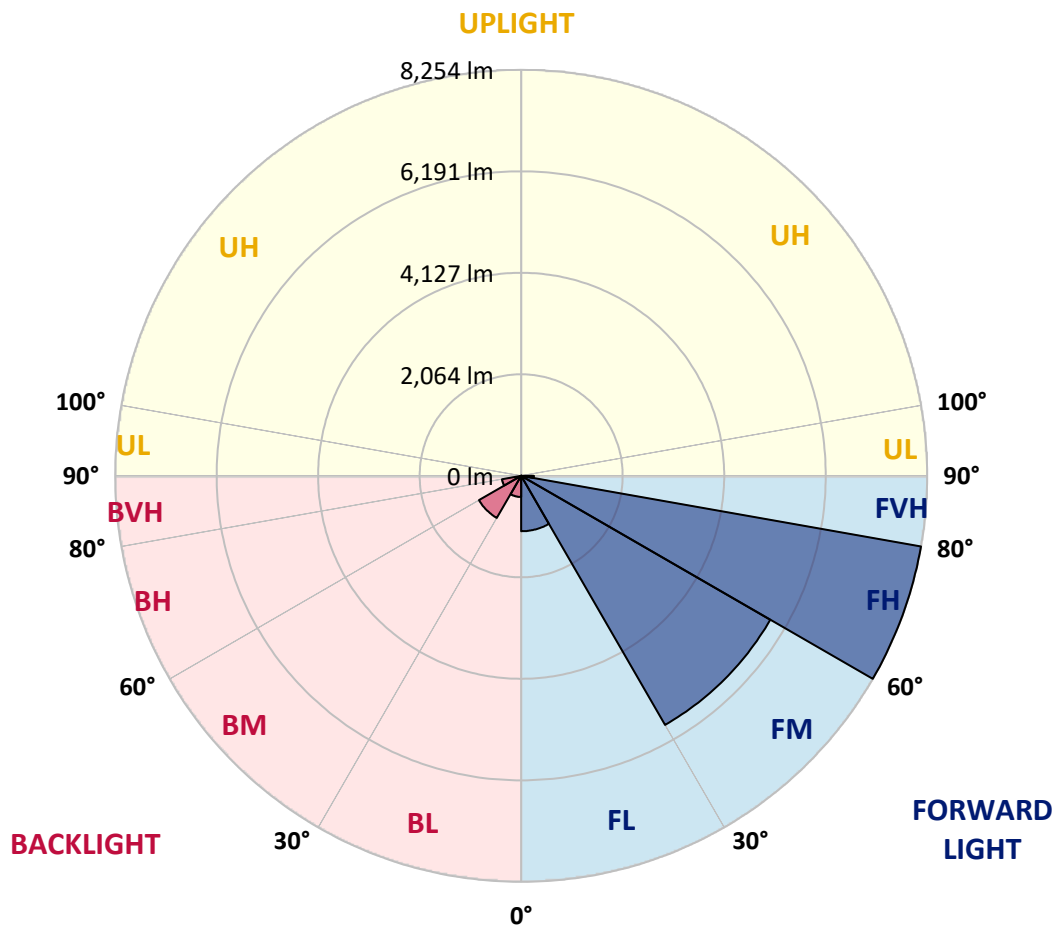
CATALOG NUMBER: GALN-SB6A-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1127.5	6.5			
FM	(30°-60°)	5847.9	33.8			
FH	(60°-80°)	8254.2	47.7			G4/12000
FVH	(80°-90°)	260.7	1.5			G3/500
BL	(0°-30°)	430.8	2.5	B1/500		
BM	(30°-60°)	989.1	5.7	B1/1000		
BH	(60°-80°)	396.6	2.3	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G4

Type IV Short



REPORT NUMBER: P951989

CATALOG NUMBER: GALN-SB6A-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2
2.5°	2071.1	2074.6	2072.3	2058.1	2034.5	2021.5	2014.4	1990.8	1975.4	1948.2	1919.9
5°	2261.3	2275.5	2267.2	2238.9	2194.0	2162.1	2152.6	2104.2	2060.5	2009.7	1950.6
7.5°	2463.3	2470.4	2455.1	2418.4	2358.2	2303.8	2295.6	2228.2	2158.5	2080.5	2000.2
10°	2638.2	2646.5	2622.8	2569.7	2501.1	2433.8	2422.0	2347.6	2264.9	2169.2	2066.4
12.5°	2784.7	2793.0	2762.2	2698.4	2622.8	2553.1	2541.3	2463.3	2372.4	2266.0	2138.4
15°	2895.8	2911.1	2869.8	2801.2	2719.7	2650.0	2644.1	2567.3	2478.7	2360.6	2224.7
17.5°	2960.7	2976.1	2937.1	2854.4	2784.7	2725.6	2718.5	2654.7	2572.0	2458.6	2308.6
20°	2971.4	2985.5	2944.2	2872.1	2814.2	2767.0	2763.4	2717.4	2657.1	2548.4	2399.5
22.5°	2939.5	2957.2	2919.4	2861.5	2821.3	2796.5	2791.8	2765.8	2731.5	2639.4	2484.6
25°	2906.4	2920.6	2892.2	2841.4	2820.1	2817.8	2821.3	2816.6	2809.5	2731.5	2583.8
27.5°	2904.0	2919.4	2887.5	2839.0	2827.2	2852.0	2855.6	2878.0	2883.9	2815.4	2679.5
30°	2924.1	2934.7	2904.0	2853.2	2847.3	2904.0	2905.2	2945.4	2954.8	2886.3	2774.1
32.5°	2967.8	2979.6	2948.9	2874.5	2866.2	2945.4	2948.9	3002.1	3017.4	2961.9	2873.3
35°	3070.6	3084.8	3049.3	2933.6	2904.0	2984.4	2995.0	3057.6	3088.3	3042.3	2976.1
37.5°	3327.0	3285.6	3237.2	3052.9	2990.3	3045.8	3063.5	3136.8	3191.1	3137.9	3099.0
40°	3963.8	3833.8	3682.6	3256.1	3141.5	3176.9	3191.1	3264.4	3338.8	3286.8	3267.9
42.5°	4919.6	4766.0	4522.6	3724.0	3369.5	3387.2	3397.9	3461.7	3566.8	3525.5	3530.2
45°	5771.4	5715.9	5467.8	4522.6	3796.0	3708.6	3721.6	3754.7	3909.4	3894.1	3924.8
47.5°	6425.9	6394.0	6202.6	5439.4	4516.7	4102.0	4138.6	4154.0	4377.3	4431.6	4514.3
50°	6929.2	6917.4	6746.1	6254.6	5458.3	4682.1	4695.1	4662.0	4996.4	5131.1	5288.2
52.5°	7404.2	7444.4	7317.9	7011.9	6463.7	5441.8	5439.4	5283.5	5734.8	5938.0	6206.2
55°	7833.1	7847.2	7860.2	7784.6	7475.1	6306.6	6284.2	6029.0	6591.3	6801.6	7092.3
57.5°	8235.9	8241.8	8357.6	8512.4	8527.8	7235.2	7193.9	6887.9	7527.1	7677.1	7855.5
60°	8506.5	8533.7	8778.2	9208.3	9396.1	8193.4	8171.0	7859.0	8479.3	8549.0	8515.9
62.5°	8116.6	8282.0	8898.7	9751.7	10216.1	9255.5	9244.9	8951.9	9481.2	9424.5	9140.9
65°	6570.1	6850.1	7934.7	10119.2	11020.6	10441.7	10457.1	10145.2	10510.2	10325.9	9649.0
67.5°	4595.9	4891.2	6174.3	10148.7	11919.7	11834.7	11923.3	11434.1	11603.1	11189.6	9769.5
70°	3178.1	3330.5	4165.8	9513.1	12620.3	13753.3	13751.0	13017.3	12690.0	11583.0	9155.1
72.5°	2137.3	2216.4	2705.5	7547.1	12105.2	14893.4	14824.9	14227.1	13056.3	10832.8	7479.8
75°	901.5	959.3	1252.3	4241.4	9576.9	13625.7	13440.2	12573.1	11600.7	8530.1	4666.8
77.5°	285.9	310.7	493.8	1518.2	5275.2	10242.0	10045.9	7852.0	7775.2	4279.2	1706.0
80°	135.9	158.3	277.6	609.6	2075.8	5570.6	5543.4	3562.1	3344.7	1155.5	342.6
82.5°	59.1	69.7	153.6	326.1	928.6	1987.2	2027.4	1212.2	1003.1	438.3	105.1
85°	18.9	24.8	70.9	150.0	392.2	493.8	487.9	288.3	404.1	238.7	36.6
87.5°	0.0	0.0	23.6	34.3	40.2	28.4	31.9	24.8	112.2	66.2	13.0
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: P951989

CATALOG NUMBER: GALN-SB6A-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2	1896.2
2.5°	1905.7	1886.8	1853.7	1823.0	1795.8	1768.6	1752.1	1728.5	1726.1	1726.1	1732.0
5°	1918.7	1888.0	1828.9	1766.3	1694.2	1625.7	1557.2	1491.0	1469.7	1454.4	1461.5
7.5°	1956.5	1908.1	1814.7	1695.4	1558.3	1408.3	1303.1	1189.7	1146.0	1122.4	1125.9
10°	2010.8	1944.7	1802.9	1593.8	1371.7	1167.3	1017.2	894.4	847.1	827.0	827.0
12.5°	2071.1	1989.6	1781.6	1467.4	1167.3	922.7	776.2	719.5	712.4	712.4	712.4
15°	2143.2	2043.9	1745.0	1318.5	953.4	730.1	678.2	680.5	687.6	692.3	692.3
17.5°	2217.6	2101.8	1687.1	1151.9	764.4	656.9	658.1	661.6	667.5	672.2	672.2
20°	2297.9	2159.7	1610.3	974.7	655.7	635.6	639.2	642.7	647.4	649.8	651.0
22.5°	2384.2	2214.0	1519.4	801.0	619.1	617.9	619.1	622.6	628.5	628.5	630.9
25°	2476.3	2274.3	1415.4	674.6	600.2	600.2	602.5	604.9	609.6	609.6	610.8
27.5°	2570.8	2329.8	1305.5	608.5	583.6	582.5	582.5	586.0	588.4	589.5	590.7
30°	2674.8	2394.8	1195.6	594.3	570.6	564.7	561.2	563.6	565.9	567.1	569.5
32.5°	2781.1	2457.4	1097.6	600.2	557.6	547.0	535.2	532.8	532.8	537.6	541.1
35°	2899.3	2526.0	1022.0	620.3	550.6	521.0	502.1	491.5	492.7	499.8	503.3
37.5°	3041.1	2608.7	966.4	638.0	545.8	491.5	460.8	447.8	439.5	447.8	445.4
40°	3226.6	2730.3	926.3	652.2	539.9	457.2	415.9	394.6	379.2	384.0	381.6
42.5°	3499.5	2921.7	910.9	653.3	526.9	417.1	369.8	341.4	319.0	320.2	315.4
45°	3882.3	3224.2	990.1	638.0	498.6	373.3	321.4	283.5	269.4	265.8	261.1
47.5°	4406.8	3664.9	1173.2	606.1	457.2	330.8	274.1	242.2	231.6	225.7	222.1
50°	5109.8	4230.8	1376.4	570.6	415.9	290.6	235.1	215.0	207.9	202.0	200.8
52.5°	5925.0	4805.0	1543.0	535.2	374.5	255.2	210.3	198.5	192.6	187.9	186.7
55°	6672.9	5200.8	1533.5	497.4	334.4	226.8	192.6	185.5	178.4	173.7	171.3
57.5°	7138.4	5256.3	1264.2	456.0	288.3	204.4	176.0	171.3	163.0	157.1	156.0
60°	7352.2	4939.7	886.1	401.7	242.2	183.1	158.3	156.0	145.3	137.0	134.7
62.5°	7391.2	4351.3	590.7	334.4	202.0	163.0	140.6	137.0	122.9	108.7	101.6
65°	7232.9	3510.1	408.8	261.1	172.5	141.8	120.5	113.4	98.1	83.9	79.2
67.5°	6731.9	2464.5	284.7	187.9	146.5	112.2	95.7	93.3	81.5	69.7	66.2
70°	5813.9	1404.8	190.2	140.6	115.8	76.8	75.6	78.0	66.2	56.7	52.0
72.5°	4457.6	642.7	118.1	102.8	79.2	52.0	60.3	61.4	50.8	42.5	37.8
75°	2624.0	275.3	74.4	66.2	40.2	34.3	43.7	44.9	34.3	27.2	23.6
77.5°	893.2	104.0	47.3	39.0	20.1	18.9	28.4	28.4	18.9	10.6	8.3
80°	203.2	39.0	23.6	15.4	9.5	8.3	9.5	8.3	4.7	1.2	0.0
82.5°	57.9	15.4	9.5	5.9	3.5	3.5	1.2	0.0	0.0	0.0	0.0
85°	16.5	7.1	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.1	1.2	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)