

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: P941776

Luminaire Tested: **GALN-SB5C-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24510 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 249.5
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

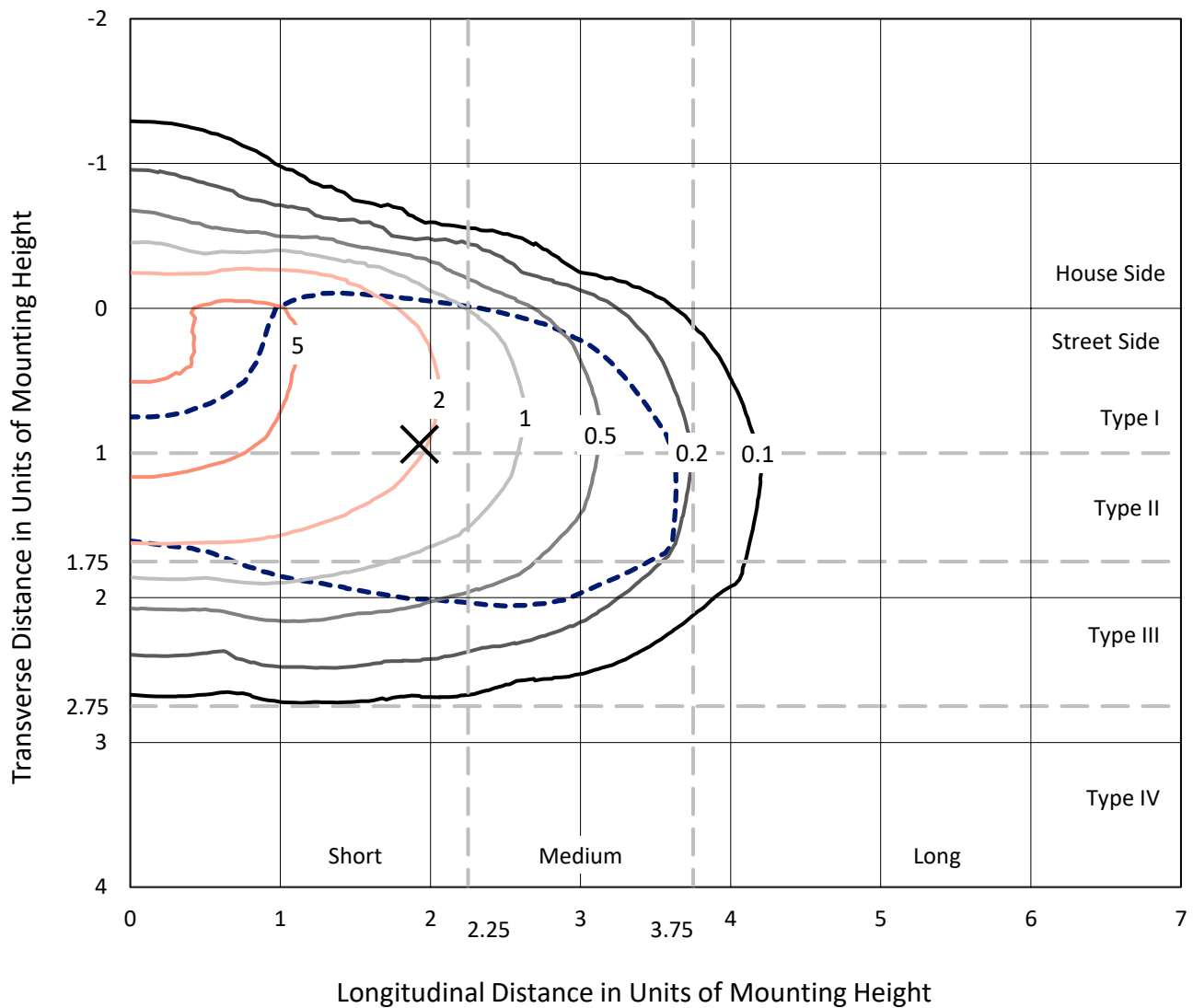


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

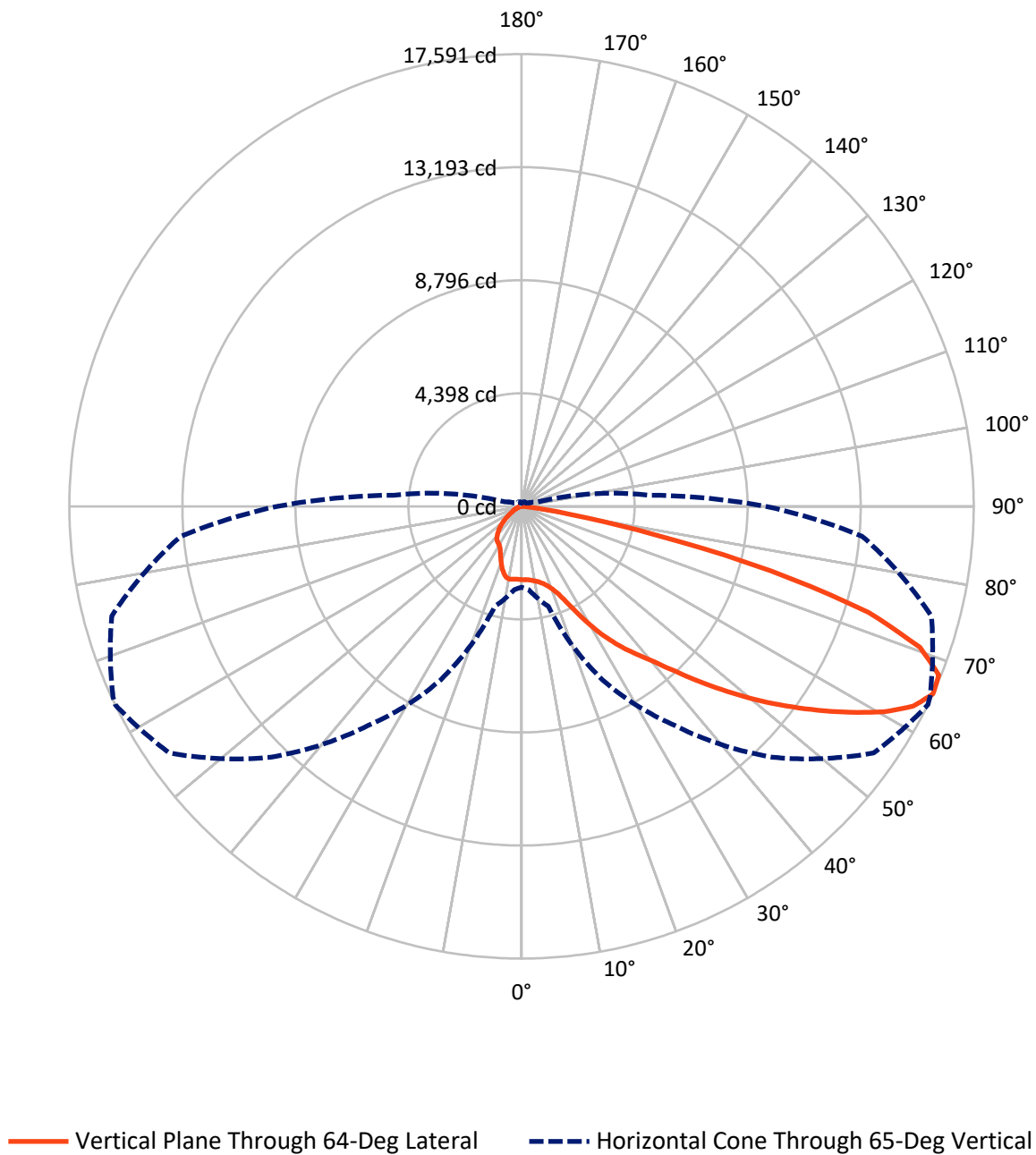


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3277.7	0.0	3277.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21232.3	0.0	21232.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	24510.0	0.0	24510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	1.1
10°-20°	713.4	2.9
20°-30°	1351.8	5.5
30°-40°	2735.3	11.2
40°-50°	4659.7	19.0
50°-60°	6336.8	25.9
60°-70°	5950.6	24.3
70°-80°	2384.0	9.7
80°-90°	115.5	0.5
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°	24510.0	100.0
0°-180°	24510.0	100.0

Coefficient of Utilization



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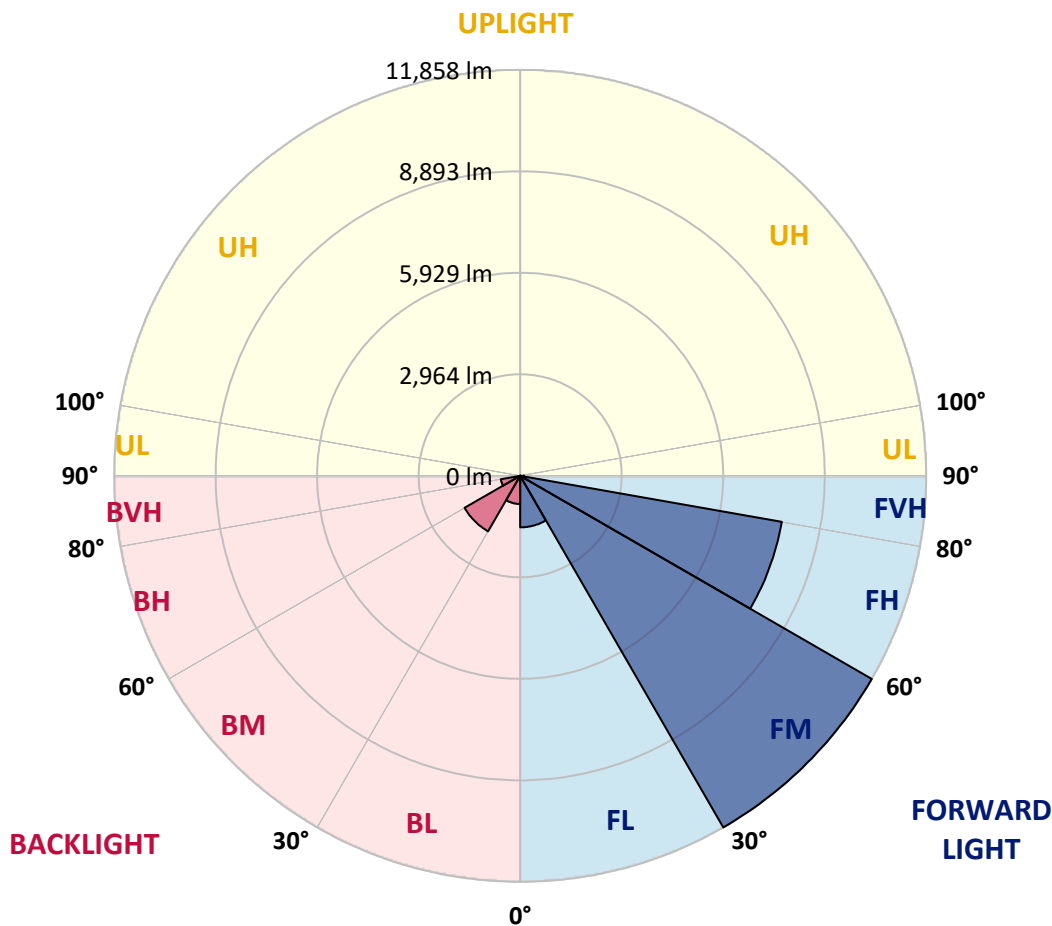
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1505.2	6.1			
FM	(30°-60°)	11857.9	48.4			
FH	(60°-80°)	7759.3	31.7			G4/12000
FVH	(80°-90°)	109.9	0.4			G2/225
BL	(0°-30°)	822.9	3.4	B2/1000		
BM	(30°-60°)	1873.9	7.6	B2/2500		
BH	(60°-80°)	575.3	2.3	B2/1000		G2/1000
BVH	(80°-90°)	5.6	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8
2.5°	2840.9	2860.6	2855.7	2850.8	2849.1	2852.4	2854.1	2852.4	2852.4	2852.4	2854.1
5°	2786.7	2803.1	2803.1	2814.6	2831.1	2850.8	2865.6	2868.8	2872.1	2877.1	2875.4
7.5°	2683.2	2696.3	2706.2	2744.0	2785.0	2837.6	2882.0	2905.0	2908.3	2926.3	2932.9
10°	2612.5	2628.9	2645.4	2684.8	2744.0	2822.8	2898.4	2954.3	2962.5	3005.2	3024.9
12.5°	2609.2	2625.7	2647.0	2689.7	2758.8	2842.6	2934.6	3015.1	3029.9	3092.3	3133.4
15°	2643.7	2663.5	2683.2	2735.8	2809.7	2911.6	3010.1	3110.4	3125.2	3213.9	3258.3
17.5°	2714.4	2740.7	2755.5	2808.0	2886.9	3000.3	3130.1	3245.1	3258.3	3361.8	3417.6
20°	2854.1	2885.3	2890.2	2932.9	3010.1	3131.7	3286.2	3429.1	3445.6	3563.9	3626.3
22.5°	3143.2	3187.6	3148.2	3169.5	3238.5	3360.1	3527.7	3708.5	3731.5	3866.2	3922.1
25°	3652.6	3715.0	3613.2	3577.0	3606.6	3733.1	3943.4	4171.8	4198.1	4306.5	4334.5
27.5°	4653.2	4572.7	4418.3	4267.1	4178.4	4250.7	4487.3	4769.9	4802.8	4907.9	4875.1
30°	5752.5	5681.8	5473.1	5138.0	4927.6	4916.1	5134.7	5450.1	5487.9	5588.2	5487.9
32.5°	6853.3	6786.0	6559.2	6146.8	5782.0	5601.3	5752.5	6102.4	6122.2	6186.2	6038.4
35°	7936.1	7867.1	7640.4	7218.1	6769.5	6358.8	6329.2	6723.5	6730.1	6797.5	6577.3
37.5°	9025.5	8968.0	8726.5	8312.4	7870.4	7303.6	7029.2	7311.8	7320.0	7385.7	7157.3
40°	9802.7	9827.3	9661.4	9341.0	8961.4	8342.0	7814.6	7937.8	7888.5	7998.6	7862.2
42.5°	10469.8	10519.1	10374.5	10213.5	9993.3	9447.8	8787.3	8765.9	8687.0	8746.2	8604.9
45°	11046.5	11087.6	10957.8	10920.0	10915.1	10532.2	9850.3	9722.2	9612.1	9600.6	9431.4
47.5°	11258.5	11337.3	11393.2	11519.7	11766.2	11605.2	10949.6	10750.8	10627.5	10537.2	10269.3
50°	11339.0	11422.8	11613.4	11981.4	12564.7	12633.7	12043.9	11820.4	11669.3	11504.9	11110.6
52.5°	11230.5	11380.1	11636.4	12255.8	13102.0	13458.6	13093.8	12898.3	12725.8	12457.9	11873.0
55°	10591.4	10740.9	11265.1	12252.5	13369.9	14036.9	14086.2	13999.2	13805.3	13383.0	12489.2
57.5°	9244.0	9465.9	10295.6	11835.2	13364.9	14534.8	15059.0	15121.4	14904.5	14299.8	12973.9
60°	7377.5	7678.2	8690.3	10910.1	12952.5	14804.3	15911.7	16223.9	15993.9	15203.5	13366.6
62.5°	5147.8	5496.1	6454.1	9460.9	12009.4	14610.4	16534.5	17111.2	16937.0	16011.9	13517.7
65°	3140.0	3251.7	4023.9	7444.9	10405.7	13798.7	16726.7	17591.0	17533.5	16506.5	13294.3
67.5°	2091.7	2185.3	2407.1	5105.1	8077.4	12177.0	16266.6	17507.2	17523.6	16426.0	12476.0
70°	1260.3	1340.8	1485.4	2969.1	5234.9	9638.4	14842.1	16439.2	16534.5	15349.8	10924.9
72.5°	519.2	573.4	704.9	1345.7	2711.1	6117.2	11818.8	14114.2	14336.0	12906.5	8384.7
75°	294.1	322.0	414.1	675.3	1176.5	2850.8	7159.0	10019.6	10346.6	8895.7	5044.3
77.5°	195.5	208.7	267.8	437.1	662.2	972.7	3059.4	5220.1	5844.5	4858.6	2183.7
80°	131.4	142.9	184.0	292.5	430.5	417.3	974.4	1933.9	2379.2	1669.4	532.4
82.5°	88.7	90.4	131.4	192.2	272.8	202.1	287.5	601.4	755.8	483.1	202.1
85°	50.9	49.3	96.9	111.7	121.6	83.8	87.1	180.7	236.6	203.7	115.0
87.5°	6.6	9.9	37.8	29.6	16.4	18.1	18.1	31.2	46.0	49.3	24.6
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°	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8	2850.8
2.5°	2854.1	2852.4	2847.5	2842.6	2831.1	2824.5	2827.8	2824.5	2822.8	2824.5	2831.1
5°	2875.4	2870.5	2857.3	2840.9	2817.9	2790.0	2771.9	2745.6	2721.0	2706.2	2709.5
7.5°	2932.9	2928.0	2909.9	2863.9	2790.0	2673.3	2566.5	2472.9	2402.2	2361.1	2362.8
10°	3024.9	3016.7	2988.8	2886.9	2693.0	2438.4	2226.4	2050.6	1935.6	1881.3	1876.4
12.5°	3133.4	3123.5	3074.2	2865.6	2509.0	2111.4	1818.9	1623.4	1516.6	1468.9	1464.0
15°	3261.5	3248.4	3151.5	2763.7	2241.2	1749.9	1482.1	1335.8	1266.8	1224.1	1225.7
17.5°	3420.9	3397.9	3209.0	2610.9	1950.4	1473.9	1275.0	1165.0	1104.2	1063.1	1059.8
20°	3628.0	3590.2	3255.0	2428.5	1682.5	1299.7	1135.4	1043.4	997.4	961.2	954.6
22.5°	3917.1	3862.9	3310.8	2231.3	1493.6	1179.7	1031.9	964.5	926.7	885.6	879.1
25°	4275.3	4211.2	3379.8	2048.9	1363.8	1076.2	956.3	900.4	856.1	808.4	803.5
27.5°	4776.5	4661.5	3462.0	1899.4	1252.0	987.5	887.3	824.8	773.9	734.5	726.2
30°	5335.1	5146.2	3534.3	1809.0	1150.2	905.3	796.9	734.5	686.8	658.9	654.0
32.5°	5864.2	5607.9	3581.9	1769.6	1058.2	811.7	698.3	630.9	594.8	586.6	591.5
35°	6363.7	6025.2	3577.0	1731.8	976.0	718.0	601.4	532.4	504.4	509.4	509.4
37.5°	6938.8	6470.5	3542.5	1672.7	908.6	632.6	517.6	456.8	432.1	433.8	440.3
40°	7607.5	6984.8	3521.1	1560.9	834.7	553.7	448.6	399.3	381.2	374.6	373.0
42.5°	8320.6	7482.6	3524.4	1434.4	742.7	483.1	400.9	359.8	343.4	338.5	336.8
45°	9037.0	7957.5	3529.4	1303.0	645.7	428.8	366.4	331.9	322.0	315.5	315.5
47.5°	9710.7	8361.7	3437.4	1161.7	550.4	387.8	338.5	315.5	307.3	299.0	299.0
50°	10338.3	8631.2	3215.5	997.4	474.9	354.9	317.1	300.7	292.5	284.3	284.3
52.5°	10826.3	8673.9	2849.1	828.1	422.3	330.3	304.0	289.2	279.3	271.1	269.5
55°	11043.2	8406.1	2328.3	670.4	381.2	308.9	290.8	276.0	264.5	256.3	254.7
57.5°	10987.4	7842.5	1815.6	538.9	341.8	287.5	274.4	264.5	251.4	238.2	236.6
60°	10713.0	7088.3	1368.7	448.6	305.6	264.5	256.3	248.1	230.0	210.3	207.0
62.5°	10238.1	6140.2	976.0	371.3	266.2	238.2	235.0	228.4	202.1	166.0	162.7
65°	9511.9	4988.4	657.2	308.9	228.4	208.7	210.3	198.8	164.3	123.2	119.9
67.5°	8450.4	3647.7	420.6	253.0	190.6	174.2	175.8	169.2	139.7	105.2	100.2
70°	7098.2	2415.3	274.4	192.2	152.8	134.7	144.6	146.2	118.3	85.4	82.2
72.5°	5203.7	1426.2	192.2	142.9	111.7	93.7	118.3	121.6	95.3	64.1	60.8
75°	2965.8	677.0	144.6	103.5	69.0	65.7	92.0	92.0	65.7	42.7	39.4
77.5°	1245.5	282.6	101.9	67.4	39.4	37.8	62.4	57.5	32.9	19.7	19.7
80°	359.8	126.5	54.2	32.9	16.4	14.8	24.6	18.1	8.2	3.3	3.3
82.5°	141.3	55.9	21.4	13.1	6.6	6.6	3.3	0.0	0.0	0.0	0.0
85°	83.8	23.0	9.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.4	4.9	3.3	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)