

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: P942286

Luminaire Tested: **GALN-SB6B-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942286
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-SB6B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA 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: 22123 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 220.4
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

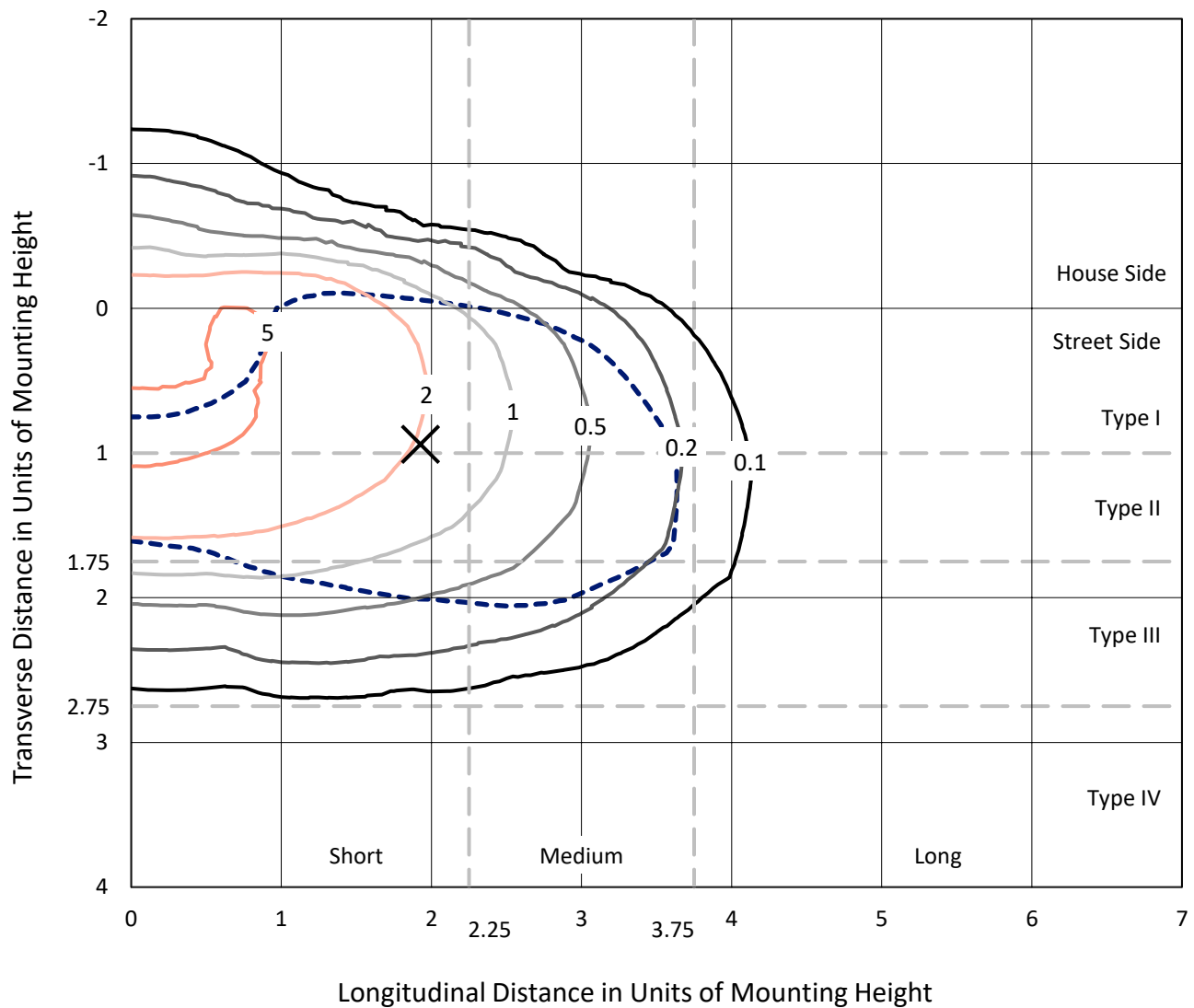


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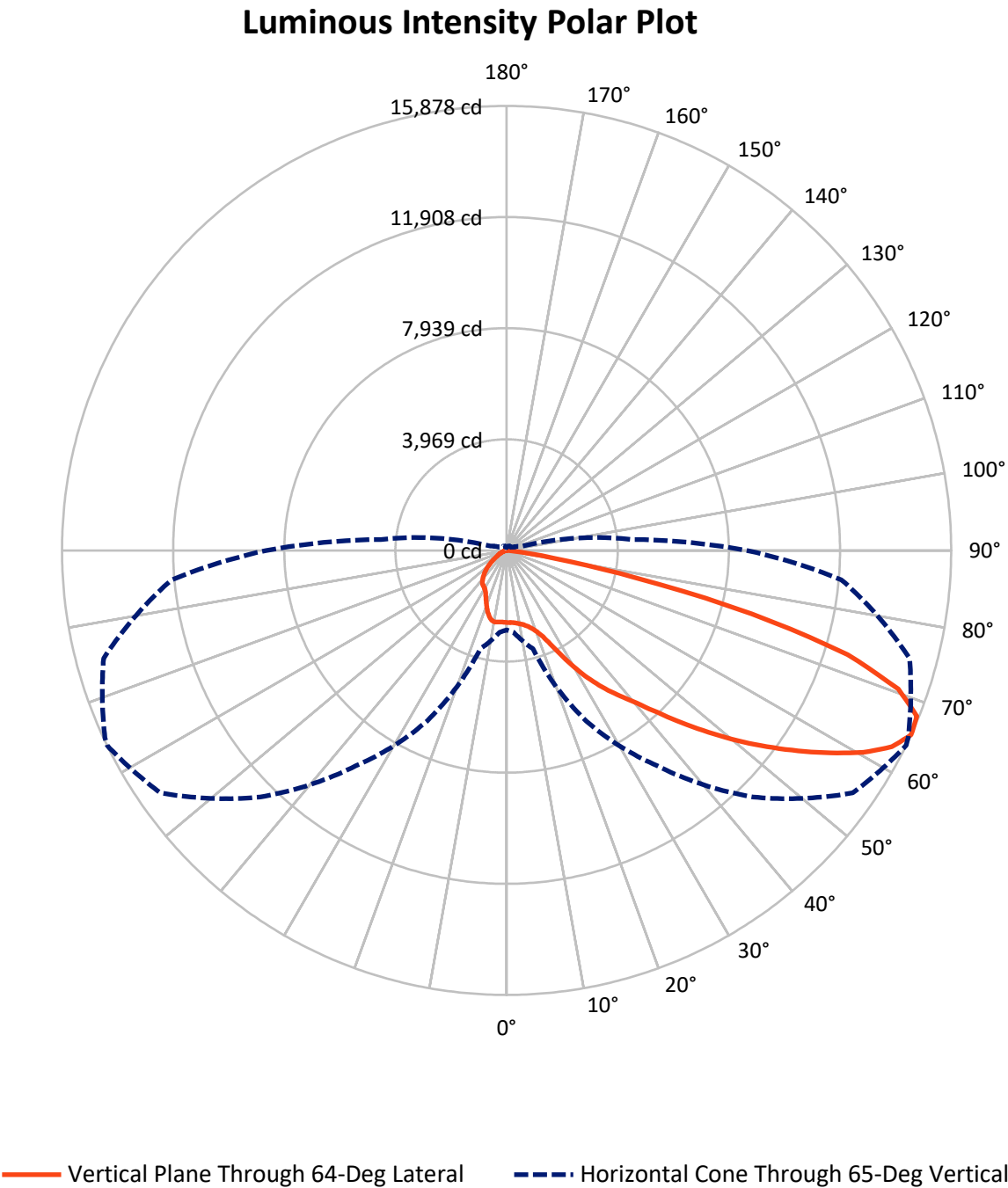
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2958.5	0.0	2958.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19164.5	0.0	19164.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	22123.0	0.0	22123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.4	1.1
10°-20°	643.9	2.9
20°-30°	1220.1	5.5
30°-40°	2468.9	11.2
40°-50°	4205.9	19.0
50°-60°	5719.6	25.9
60°-70°	5371.0	24.3
70°-80°	2151.9	9.7
80°-90°	104.2	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°	22123.0	100.0
0°-180°	22123.0	100.0

Coefficient of Utilization



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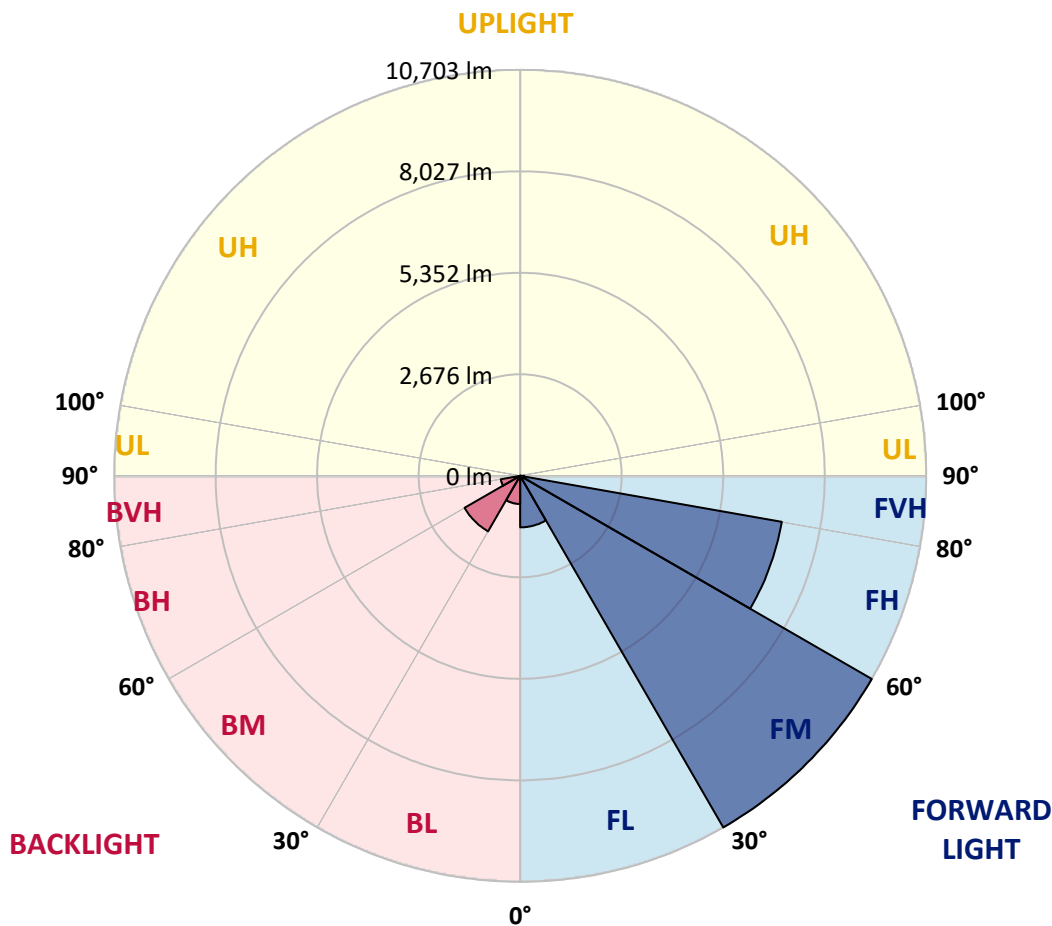
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1358.6	6.1			
FM	(30°-60°)	10703.1	48.4			
FH	(60°-80°)	7003.6	31.7			G3/7500
FVH	(80°-90°)	99.2	0.4			G1/100
BL	(0°-30°)	742.8	3.4	B2/1000		
BM	(30°-60°)	1691.4	7.6	B2/2500		
BH	(60°-80°)	519.3	2.3	B2/1000		G2/1000
BVH	(80°-90°)	5.1	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1
2.5°	2564.2	2582.0	2577.6	2573.1	2571.7	2574.6	2576.1	2574.6	2574.6	2574.6	2576.1
5°	2515.3	2530.1	2530.1	2540.5	2555.3	2573.1	2586.5	2589.4	2592.4	2596.9	2595.4
7.5°	2421.9	2433.7	2442.6	2476.7	2513.8	2561.3	2601.3	2622.1	2625.0	2641.4	2647.3
10°	2358.1	2372.9	2387.8	2423.3	2476.7	2547.9	2616.1	2666.6	2674.0	2712.5	2730.3
12.5°	2355.1	2370.0	2389.2	2427.8	2490.1	2565.7	2648.8	2721.4	2734.8	2791.1	2828.2
15°	2386.3	2404.1	2421.9	2469.3	2536.1	2628.0	2717.0	2807.5	2820.8	2900.9	2940.9
17.5°	2450.0	2473.8	2487.1	2534.6	2605.8	2708.1	2825.3	2929.1	2940.9	3034.4	3084.8
20°	2576.1	2604.3	2608.7	2647.3	2717.0	2826.7	2966.1	3095.2	3110.0	3216.8	3273.1
22.5°	2837.1	2877.2	2841.6	2860.9	2923.1	3032.9	3184.2	3347.3	3368.1	3489.7	3540.1
25°	3296.9	3353.2	3261.3	3228.7	3255.3	3369.5	3559.4	3765.5	3789.3	3887.1	3912.4
27.5°	4200.1	4127.4	3988.0	3851.5	3771.5	3836.7	4050.3	4305.4	4335.0	4429.9	4400.3
30°	5192.2	5128.5	4940.1	4637.6	4447.7	4437.4	4634.6	4919.4	4953.5	5043.9	4953.5
32.5°	6185.9	6125.1	5920.4	5548.2	5218.9	5055.8	5192.2	5508.1	5525.9	5583.8	5450.3
35°	7163.3	7101.0	6896.3	6515.1	6110.3	5739.5	5712.8	6068.7	6074.7	6135.5	5936.7
37.5°	8146.5	8094.6	7876.6	7502.9	7103.9	6592.3	6344.6	6599.7	6607.1	6666.4	6460.3
40°	8848.0	8870.3	8720.5	8431.3	8088.7	7529.6	7053.5	7164.7	7120.2	7219.6	7096.5
42.5°	9450.2	9494.6	9364.1	9218.8	9020.1	8527.7	7931.5	7912.2	7841.0	7894.4	7766.9
45°	9970.7	10007.8	9890.6	9856.5	9852.1	9506.5	8891.0	8775.4	8676.0	8665.6	8512.8
47.5°	10162.0	10233.2	10283.6	10397.8	10620.3	10475.0	9883.2	9703.8	9592.5	9511.0	9269.2
50°	10234.7	10310.3	10482.4	10814.6	11341.1	11403.4	10870.9	10669.2	10532.8	10384.5	10028.6
52.5°	10136.8	10271.8	10503.1	11062.3	11826.0	12147.9	11818.6	11642.1	11486.4	11244.7	10716.7
55°	9559.9	9694.9	10168.0	11059.3	12067.8	12669.9	12714.4	12635.8	12460.8	12079.6	11272.9
57.5°	8343.8	8544.0	9292.9	10682.6	12063.3	13119.3	13592.4	13648.7	13453.0	12907.2	11710.4
60°	6659.0	6930.4	7844.0	9847.6	11691.1	13362.5	14362.1	14643.9	14436.2	13722.9	12064.8
62.5°	4646.5	4960.9	5825.5	8539.5	10839.8	13187.5	14924.2	15444.7	15287.5	14452.6	12201.3
65°	2834.2	2935.0	3632.0	6719.8	9392.3	12454.9	15097.7	15877.8	15825.9	14899.0	11999.6
67.5°	1888.0	1972.5	2172.7	4607.9	7290.8	10991.1	14682.4	15802.2	15817.0	14826.3	11261.0
70°	1137.5	1210.2	1340.7	2679.9	4725.1	8699.7	13396.6	14838.2	14924.2	13854.9	9861.0
72.5°	468.7	517.6	636.2	1214.6	2447.1	5521.5	10667.8	12739.6	12939.8	11649.6	7568.1
75°	265.5	290.7	373.7	609.5	1061.9	2573.1	6461.8	9043.8	9338.9	8029.4	4553.0
77.5°	176.5	188.4	241.7	394.5	597.7	878.0	2761.5	4711.7	5275.3	4385.5	1971.0
80°	118.6	129.0	166.1	264.0	388.6	376.7	879.5	1745.6	2147.5	1506.8	480.5
82.5°	80.1	81.6	118.6	173.5	246.2	182.4	259.5	542.8	682.2	436.0	182.4
85°	46.0	44.5	87.5	100.8	109.7	75.6	78.6	163.1	213.6	183.9	103.8
87.5°	5.9	8.9	34.1	26.7	14.8	16.3	16.3	28.2	41.5	44.5	22.2
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°	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1	2573.1
2.5°	2576.1	2574.6	2570.2	2565.7	2555.3	2549.4	2552.4	2549.4	2547.9	2549.4	2555.3
5°	2595.4	2590.9	2579.1	2564.2	2543.5	2518.3	2501.9	2478.2	2456.0	2442.6	2445.6
7.5°	2647.3	2642.8	2626.5	2585.0	2518.3	2413.0	2316.6	2232.0	2168.3	2131.2	2132.7
10°	2730.3	2722.9	2697.7	2605.8	2430.8	2200.9	2009.6	1850.9	1747.1	1698.1	1693.7
12.5°	2828.2	2819.3	2774.8	2586.5	2264.7	1905.8	1641.8	1465.3	1368.9	1325.9	1321.4
15°	2943.9	2932.0	2844.5	2494.5	2022.9	1579.5	1337.7	1205.7	1143.5	1104.9	1106.4
17.5°	3087.8	3067.0	2896.4	2356.6	1760.4	1330.3	1150.9	1051.5	996.6	959.5	956.6
20°	3274.6	3240.5	2938.0	2192.0	1518.7	1173.1	1024.8	941.8	900.2	867.6	861.7
22.5°	3535.7	3486.7	2988.4	2014.0	1348.1	1064.8	931.4	870.6	836.5	799.4	793.4
25°	3859.0	3801.1	3050.7	1849.4	1231.0	971.4	863.1	812.7	772.7	729.7	725.2
27.5°	4311.3	4207.5	3124.8	1714.4	1130.1	891.3	800.9	744.5	698.5	662.9	655.5
30°	4815.5	4645.0	3190.1	1632.9	1038.2	817.2	719.3	662.9	619.9	594.7	590.3
32.5°	5293.1	5061.7	3233.1	1597.3	955.1	732.6	630.3	569.5	536.9	529.5	533.9
35°	5743.9	5438.4	3228.7	1563.2	880.9	648.1	542.8	480.5	455.3	459.8	459.8
37.5°	6263.0	5840.3	3197.5	1509.8	820.1	571.0	467.2	412.3	390.0	391.5	397.5
40°	6866.6	6304.6	3178.2	1408.9	753.4	499.8	404.9	360.4	344.1	338.1	336.7
42.5°	7510.3	6753.9	3181.2	1294.7	670.3	436.0	361.9	324.8	310.0	305.5	304.0
45°	8156.9	7182.5	3185.6	1176.1	582.8	387.1	330.7	299.6	290.7	284.8	284.8
47.5°	8765.0	7547.4	3102.6	1048.5	496.8	350.0	305.5	284.8	277.3	269.9	269.9
50°	9331.5	7790.6	2902.4	900.2	428.6	320.3	286.2	271.4	264.0	256.6	256.6
52.5°	9772.0	7829.2	2571.7	747.5	381.2	298.1	274.4	261.0	252.1	244.7	243.2
55°	9967.7	7587.4	2101.5	605.1	344.1	278.8	262.5	249.2	238.8	231.4	229.9
57.5°	9917.3	7078.7	1638.8	486.4	308.5	259.5	247.7	238.8	226.9	215.0	213.6
60°	9669.6	6398.0	1235.4	404.9	275.9	238.8	231.4	223.9	207.6	189.8	186.9
62.5°	9241.0	5542.3	880.9	335.2	240.3	215.0	212.1	206.1	182.4	149.8	146.8
65°	8585.5	4502.6	593.2	278.8	206.1	188.4	189.8	179.5	148.3	111.2	108.3
67.5°	7627.5	3292.4	379.7	228.4	172.0	157.2	158.7	152.8	126.1	94.9	90.5
70°	6406.9	2180.1	247.7	173.5	137.9	121.6	130.5	132.0	106.8	77.1	74.2
72.5°	4696.9	1287.3	173.5	129.0	100.8	84.5	106.8	109.7	86.0	57.8	54.9
75°	2676.9	611.0	130.5	93.4	62.3	59.3	83.1	83.1	59.3	38.6	35.6
77.5°	1124.2	255.1	92.0	60.8	35.6	34.1	56.4	51.9	29.7	17.8	17.8
80°	324.8	114.2	48.9	29.7	14.8	13.3	22.2	16.3	7.4	3.0	3.0
82.5°	127.5	50.4	19.3	11.9	5.9	5.9	3.0	0.0	0.0	0.0	0.0
85°	75.6	20.8	8.9	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.3	4.4	3.0	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)