

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: P941096

Luminaire Tested: **GALN-SB4C-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941096
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-SB4C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 19446 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 200.7
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

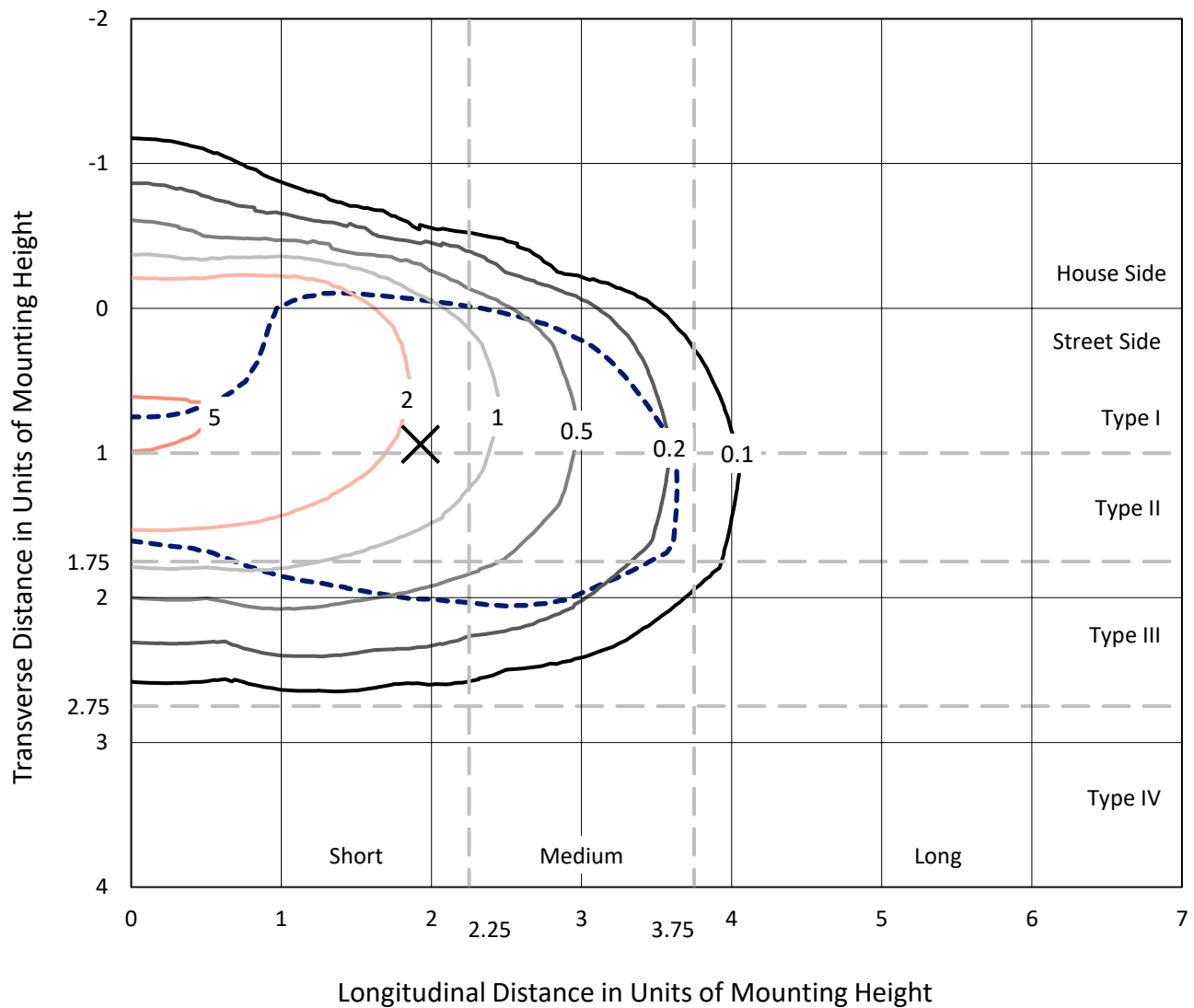


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

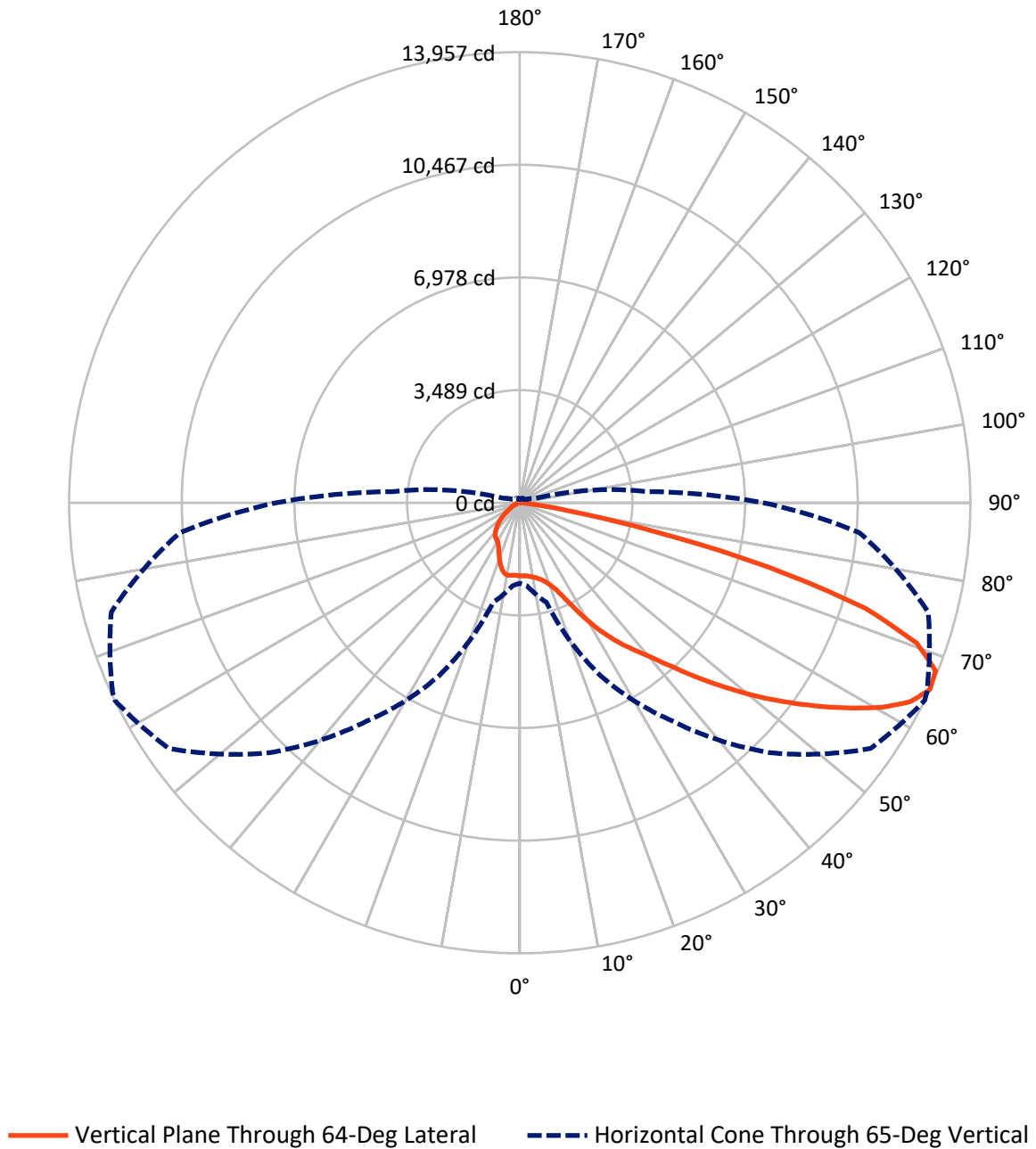


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2600.5	0.0	2600.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16845.5	0.0	16845.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	19446.0	0.0	19446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.7	1.1
10°-20°	566.0	2.9
20°-30°	1072.5	5.5
30°-40°	2170.2	11.2
40°-50°	3696.9	19.0
50°-60°	5027.5	25.9
60°-70°	4721.1	24.3
70°-80°	1891.5	9.7
80°-90°	91.6	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°	19446.0	100.0
0°-180°	19446.0	100.0

Coefficient of Utilization



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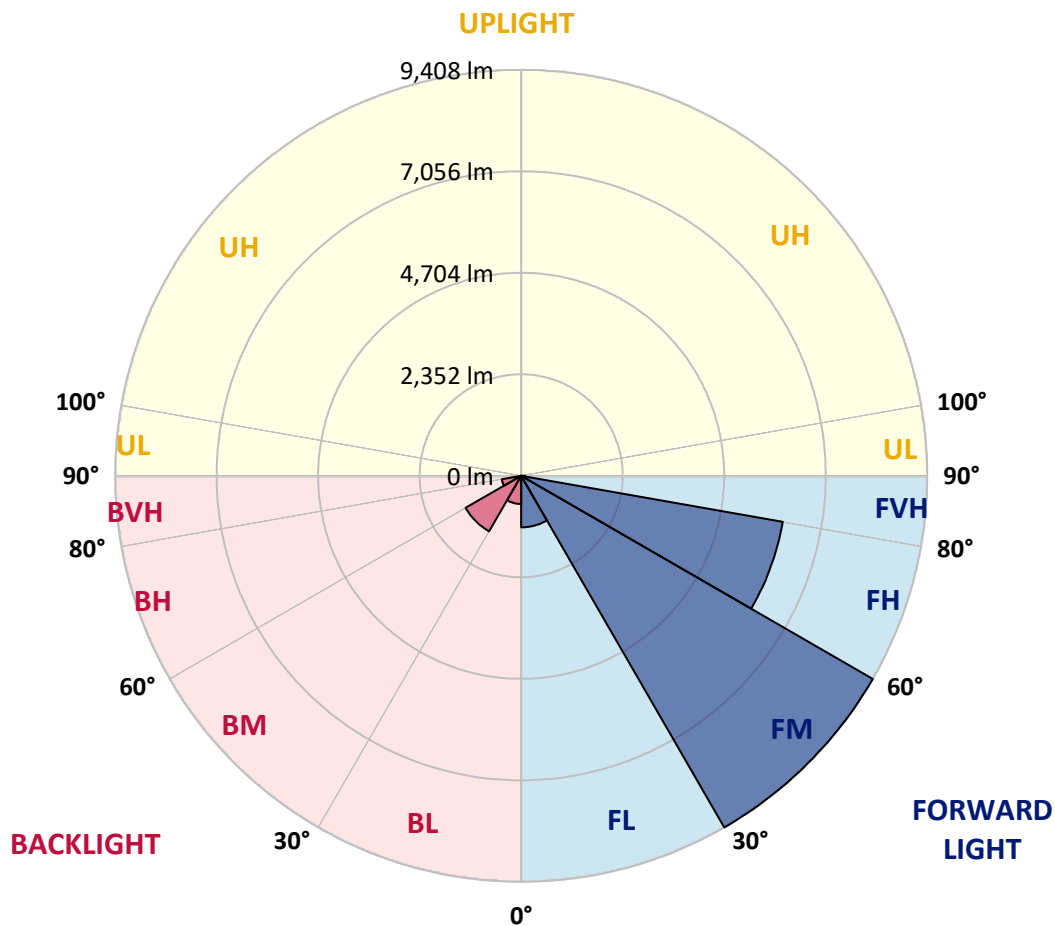
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1194.2	6.1			
FM	(30°-60°)	9408.0	48.4			
FH	(60°-80°)	6156.2	31.7			G3/7500
FVH	(80°-90°)	87.2	0.4			G1/100
BL	(0°-30°)	652.9	3.4	B2/1000		
BM	(30°-60°)	1486.7	7.6	B2/2500		
BH	(60°-80°)	456.4	2.3	B1/500		G1/500
BVH	(80°-90°)	4.5	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°	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8
2.5°	2254.0	2269.6	2265.7	2261.8	2260.5	2263.1	2264.4	2263.1	2263.1	2263.1	2264.4
5°	2210.9	2224.0	2224.0	2233.1	2246.1	2261.8	2273.5	2276.1	2278.7	2282.6	2281.3
7.5°	2128.8	2139.2	2147.1	2177.0	2209.6	2251.3	2286.5	2304.8	2307.4	2321.7	2327.0
10°	2072.7	2085.8	2098.8	2130.1	2177.0	2239.6	2299.6	2343.9	2350.4	2384.3	2400.0
12.5°	2070.1	2083.2	2100.1	2134.0	2188.8	2255.3	2328.3	2392.1	2403.9	2453.4	2486.0
15°	2097.5	2113.2	2128.8	2170.5	2229.2	2310.0	2388.2	2467.7	2479.5	2549.9	2585.1
17.5°	2153.6	2174.4	2186.2	2227.9	2290.5	2380.4	2483.4	2574.6	2585.1	2667.2	2711.5
20°	2264.4	2289.1	2293.1	2327.0	2388.2	2484.7	2607.2	2720.6	2733.7	2827.5	2877.1
22.5°	2493.8	2529.0	2497.7	2514.7	2569.4	2665.9	2798.9	2942.3	2960.5	3067.4	3111.7
25°	2897.9	2947.5	2866.6	2838.0	2861.4	2961.8	3128.7	3309.9	3330.7	3416.8	3438.9
27.5°	3691.8	3628.0	3505.4	3385.5	3315.1	3372.5	3560.2	3784.4	3810.5	3893.9	3867.8
30°	4564.0	4507.9	4342.3	4076.4	3909.5	3900.4	4073.8	4324.1	4354.1	4433.6	4354.1
32.5°	5437.4	5383.9	5204.0	4876.8	4587.4	4444.0	4564.0	4841.6	4857.3	4908.1	4790.8
35°	6296.5	6241.7	6061.8	5726.8	5370.9	5045.0	5021.5	5334.4	5339.6	5393.1	5218.4
37.5°	7160.8	7115.1	6923.5	6595.0	6244.3	5794.6	5576.9	5801.1	5807.6	5859.7	5678.5
40°	7777.4	7796.9	7665.3	7411.1	7109.9	6618.5	6200.0	6297.8	6258.7	6346.0	6237.8
42.5°	8306.6	8345.7	8231.0	8103.3	7928.6	7495.8	6971.7	6954.8	6892.2	6939.1	6827.0
45°	8764.2	8796.8	8693.8	8663.8	8659.9	8356.2	7815.2	7713.5	7626.1	7617.0	7482.7
47.5°	8932.4	8994.9	9039.3	9139.6	9335.2	9207.4	8687.3	8529.6	8431.8	8360.1	8147.6
50°	8996.2	9062.7	9213.9	9506.0	9968.7	10023.5	9555.5	9378.2	9258.3	9127.9	8815.0
52.5°	8910.2	9028.8	9232.2	9723.7	10395.0	10677.9	10388.5	10233.4	10096.5	9884.0	9419.9
55°	8403.1	8521.7	8937.6	9721.1	10607.5	11136.8	11175.9	11106.8	10953.0	10617.9	9908.8
57.5°	7334.1	7510.1	8168.5	9389.9	10603.6	11531.8	11947.6	11997.2	11825.1	11345.4	10293.3
60°	5853.2	6091.8	6894.8	8656.0	10276.4	11745.6	12624.2	12871.9	12689.4	12062.3	10604.9
62.5°	4084.2	4360.6	5120.6	7506.2	9528.1	11591.7	13118.3	13575.8	13437.7	12703.7	10724.8
65°	2491.2	2579.9	3192.6	5906.7	8255.8	10947.8	13270.8	13956.5	13910.9	13096.1	10547.5
67.5°	1659.5	1733.8	1909.8	4050.3	6408.6	9661.1	12905.8	13890.0	13903.1	13032.2	9898.3
70°	999.9	1063.7	1178.5	2355.6	4153.3	7647.0	11775.6	13042.7	13118.3	12178.4	8667.7
72.5°	411.9	455.0	559.3	1067.7	2151.0	4853.4	9376.9	11198.1	11374.0	10239.9	6652.3
75°	233.3	255.5	328.5	535.8	933.4	2261.8	5679.8	7949.4	8208.9	7057.8	4002.1
77.5°	155.1	165.6	212.5	346.8	525.4	771.7	2427.3	4141.6	4637.0	3854.8	1732.5
80°	104.3	113.4	146.0	232.0	341.5	331.1	773.0	1534.4	1887.6	1324.5	422.4
82.5°	70.4	71.7	104.3	152.5	216.4	160.3	228.1	477.1	599.7	383.3	160.3
85°	40.4	39.1	76.9	88.6	96.5	66.5	69.1	143.4	187.7	161.6	91.3
87.5°	5.2	7.8	30.0	23.5	13.0	14.3	14.3	24.8	36.5	39.1	19.6
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°	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8
2.5°	2264.4	2263.1	2259.2	2255.3	2246.1	2240.9	2243.5	2240.9	2239.6	2240.9	2246.1
5°	2281.3	2277.4	2267.0	2254.0	2235.7	2213.5	2199.2	2178.3	2158.8	2147.1	2149.7
7.5°	2327.0	2323.0	2308.7	2272.2	2213.5	2121.0	2036.2	1961.9	1905.9	1873.3	1874.6
10°	2400.0	2393.4	2371.3	2290.5	2136.6	1934.6	1766.4	1626.9	1535.7	1492.6	1488.7
12.5°	2486.0	2478.2	2439.1	2273.5	1990.6	1675.1	1443.1	1288.0	1203.2	1165.4	1161.5
15°	2587.7	2577.2	2500.3	2192.7	1778.1	1388.3	1175.9	1059.8	1005.1	971.2	972.5
17.5°	2714.1	2695.9	2546.0	2071.4	1547.4	1169.3	1011.6	924.3	876.0	843.4	840.8
20°	2878.4	2848.4	2582.5	1926.7	1334.9	1031.2	900.8	827.8	791.3	762.6	757.4
22.5°	3107.8	3064.8	2626.8	1770.3	1185.0	936.0	818.7	765.2	735.2	702.6	697.4
25°	3392.0	3341.2	2681.5	1625.6	1082.0	853.9	758.7	714.4	679.2	641.4	637.5
27.5°	3789.6	3698.4	2746.7	1507.0	993.4	783.5	704.0	654.4	614.0	582.7	576.2
30°	4232.8	4082.9	2804.1	1435.3	912.5	718.3	632.3	582.7	544.9	522.7	518.8
32.5°	4652.6	4449.2	2841.9	1404.0	839.5	644.0	554.0	500.6	471.9	465.4	469.3
35°	5048.9	4780.4	2838.0	1374.0	774.3	569.7	477.1	422.4	400.2	404.1	404.1
37.5°	5505.2	5133.6	2810.6	1327.1	720.9	501.9	410.6	362.4	342.9	344.2	349.4
40°	6035.7	5541.7	2793.6	1238.4	662.2	439.3	355.9	316.8	302.4	297.2	295.9
42.5°	6601.5	5936.7	2796.3	1138.1	589.2	383.3	318.1	285.5	272.5	268.5	267.2
45°	7169.9	6313.4	2800.2	1033.8	512.3	340.2	290.7	263.3	255.5	250.3	250.3
47.5°	7704.4	6634.1	2727.2	921.7	436.7	307.7	268.5	250.3	243.8	237.3	237.3
50°	8202.3	6847.9	2551.2	791.3	376.7	281.6	251.6	238.6	232.0	225.5	225.5
52.5°	8589.5	6881.8	2260.5	657.0	335.0	262.0	241.2	229.4	221.6	215.1	213.8
55°	8761.6	6669.3	1847.2	531.9	302.4	245.1	230.7	219.0	209.9	203.4	202.1
57.5°	8717.3	6222.2	1440.5	427.6	271.2	228.1	217.7	209.9	199.5	189.0	187.7
60°	8499.6	5623.8	1085.9	355.9	242.5	209.9	203.4	196.8	182.5	166.9	164.3
62.5°	8122.8	4871.6	774.3	294.6	211.2	189.0	186.4	181.2	160.3	131.7	129.1
65°	7546.6	3957.8	521.4	245.1	181.2	165.6	166.9	157.7	130.4	97.8	95.2
67.5°	6704.5	2894.0	333.7	200.8	151.2	138.2	139.5	134.3	110.8	83.4	79.5
70°	5631.6	1916.3	217.7	152.5	121.2	106.9	114.7	116.0	93.9	67.8	65.2
72.5°	4128.5	1131.5	152.5	113.4	88.6	74.3	93.9	96.5	75.6	50.8	48.2
75°	2353.0	537.1	114.7	82.1	54.8	52.1	73.0	73.0	52.1	33.9	31.3
77.5°	988.1	224.2	80.8	53.4	31.3	30.0	49.5	45.6	26.1	15.6	15.6
80°	285.5	100.4	43.0	26.1	13.0	11.7	19.6	14.3	6.5	2.6	2.6
82.5°	112.1	44.3	16.9	10.4	5.2	5.2	2.6	0.0	0.0	0.0	0.0
85°	66.5	18.3	7.8	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	3.9	2.6	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)