

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: P948418

Luminaire Tested: **GALN-SB3C-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19056 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1
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

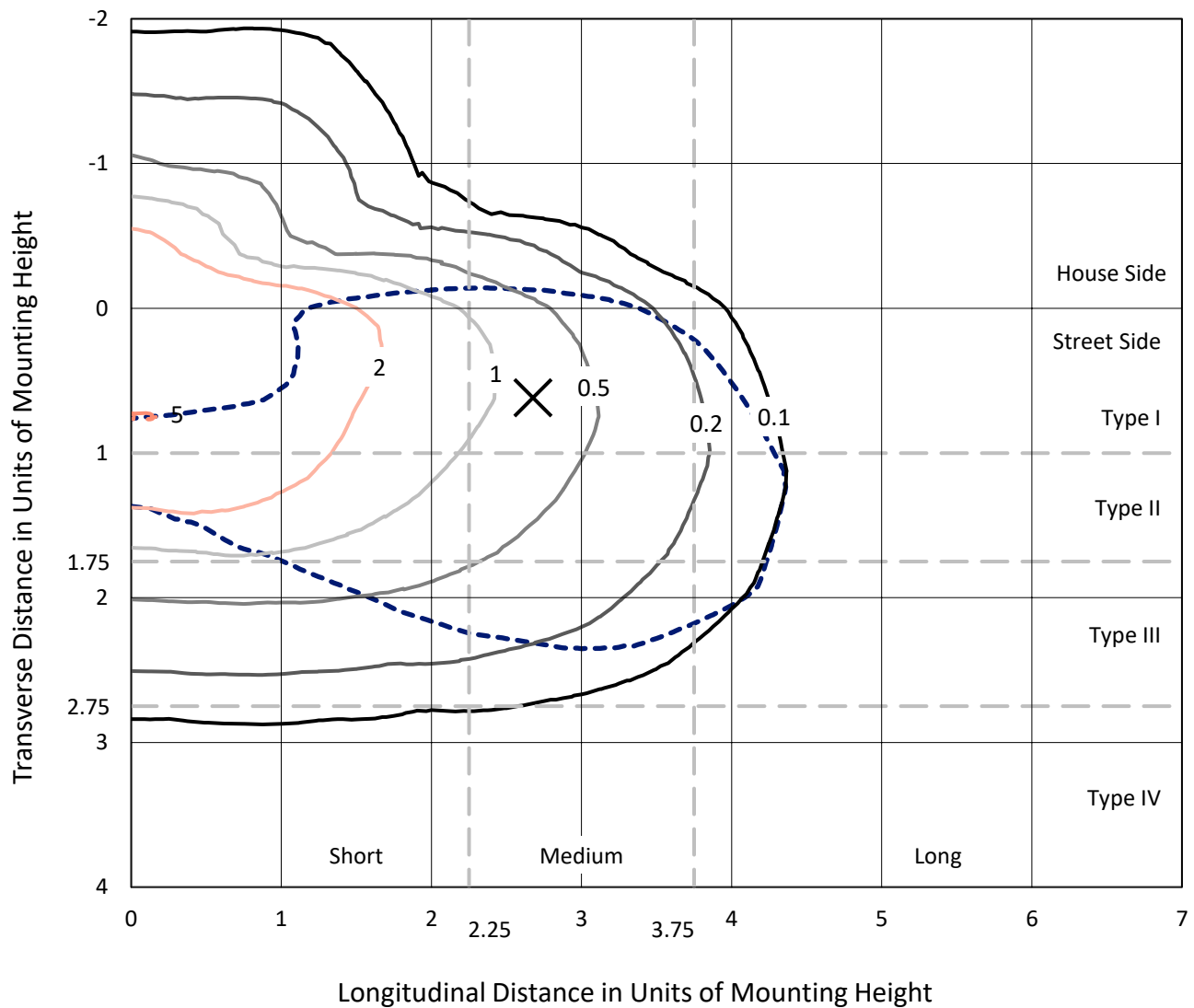


REPORT NUMBER: P948418

CATALOG NUMBER: GALN-SB3C-722-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

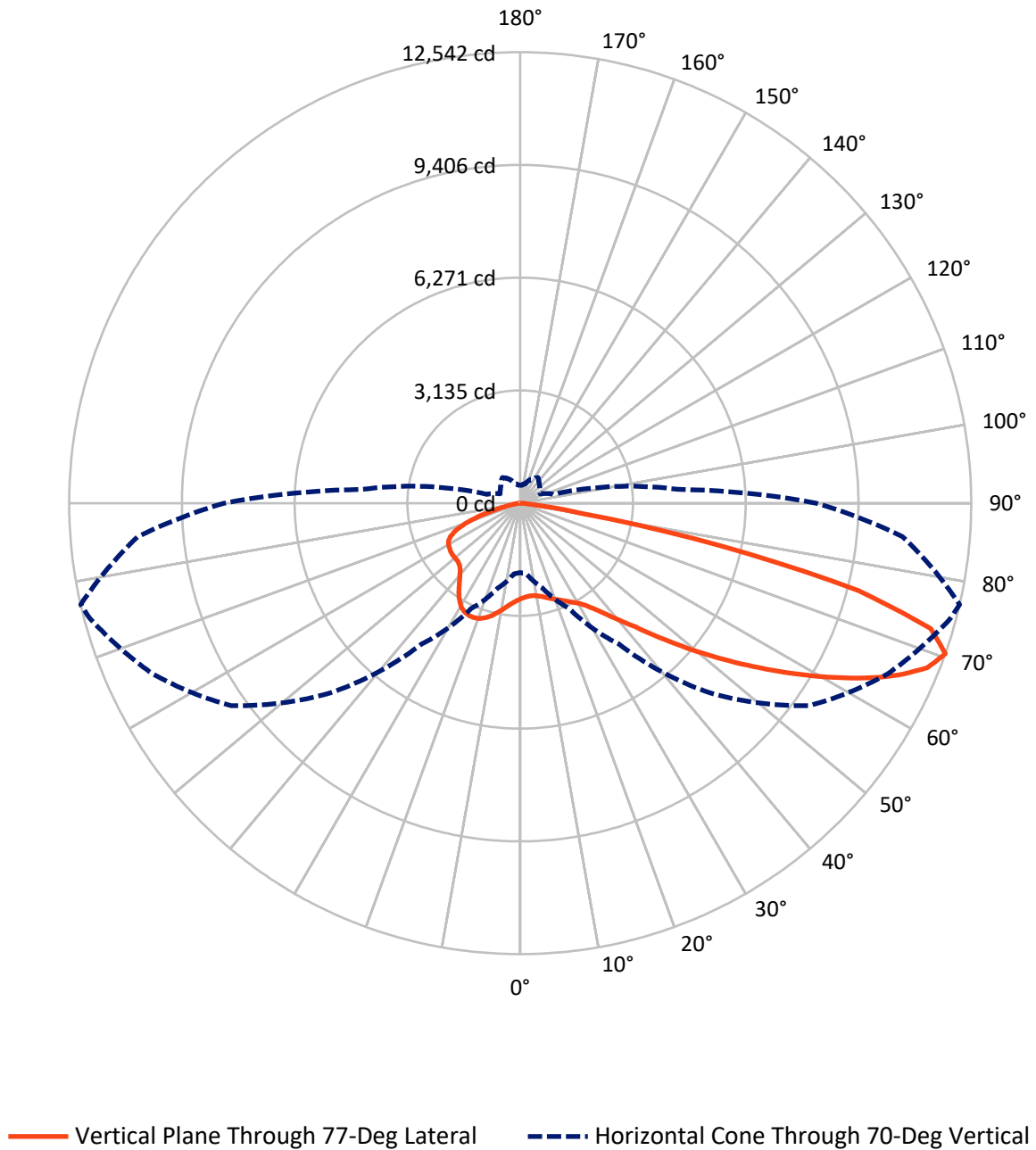


Based on 25 foot mounting height. Maximum calculated value = 5 fc
Type III - Medium - N/A

REPORT NUMBER: P948418

CATALOG NUMBER: GALN-SB3C-722-U-T3R

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4173.0	0.0	4173.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	14883.0	0.0	14883.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	19056.0	0.0	19056.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	1.3
10°-20°	731.8	3.8
20°-30°	1251.4	6.6
30°-40°	2012.4	10.6
40°-50°	3141.9	16.5
50°-60°	4196.8	22.0
60°-70°	4473.2	23.5
70°-80°	2753.7	14.5
80°-90°	241.3	1.3
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°	19056.0	100.0
0°-180°	19056.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948418

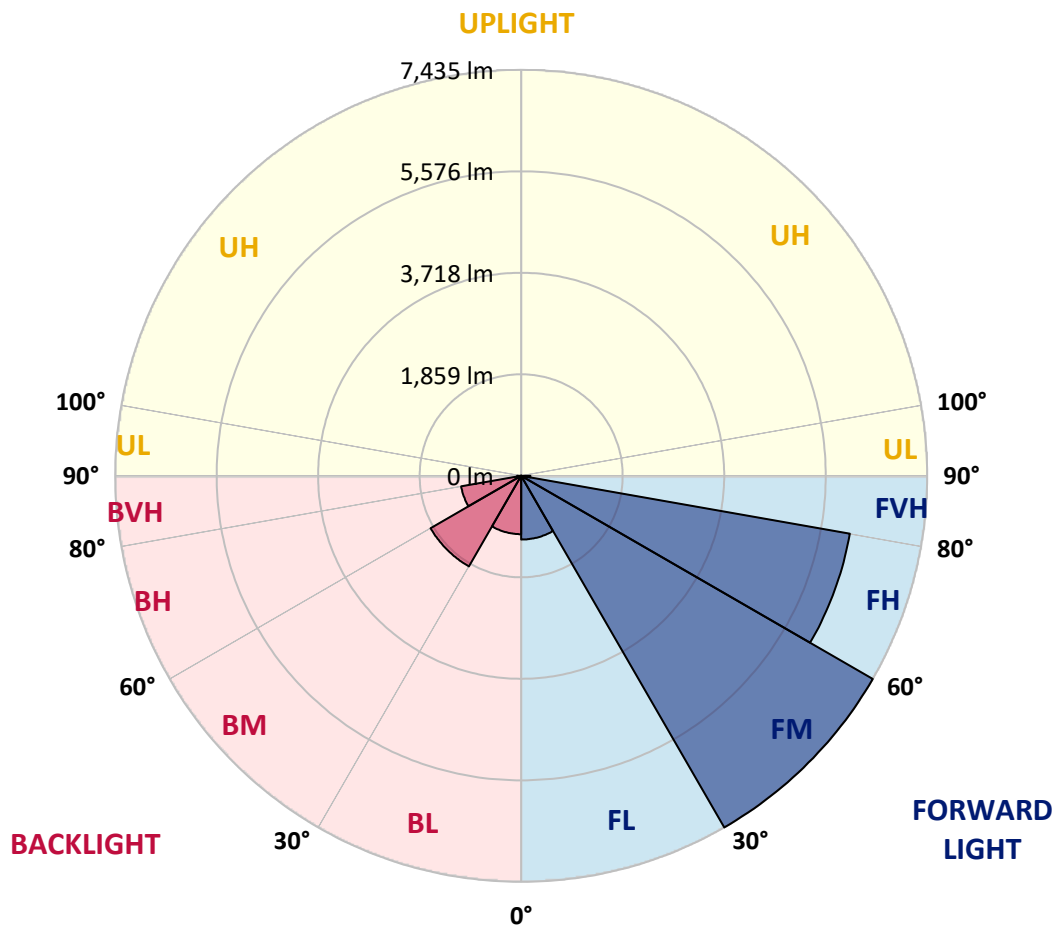
CATALOG NUMBER: GALN-SB3C-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1167.5	6.1			
FM	(30°-60°)	7435.2	39.0			
FH	(60°-80°)	6111.6	32.1			G3/7500
FVH	(80°-90°)	168.7	0.9			G2/225
BL	(0°-30°)	1069.2	5.6	B3/2500		
BM	(30°-60°)	1915.9	10.1	B2/2500		
BH	(60°-80°)	1115.3	5.9	B3/2500		G3/2500
BVH	(80°-90°)	72.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



REPORT NUMBER: P948418

CATALOG NUMBER: GALN-SB3C-722-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5
2.5°	2450.6	2449.6	2462.3	2466.2	2489.6	2506.2	2537.5	2570.7	2613.6	2618.5	2644.8
5°	2309.1	2309.1	2323.7	2339.4	2369.6	2402.8	2450.6	2508.2	2582.4	2594.1	2659.5
7.5°	2189.1	2196.9	2209.5	2239.8	2274.9	2322.8	2396.0	2477.9	2575.5	2594.1	2699.5
10°	2092.4	2101.2	2116.8	2141.2	2193.9	2260.3	2355.9	2461.3	2592.1	2621.4	2758.0
12.5°	2062.2	2071.0	2079.7	2098.3	2147.1	2225.2	2339.4	2469.2	2632.1	2661.4	2838.1
15°	2132.4	2143.2	2136.4	2131.5	2156.8	2228.1	2347.2	2497.5	2681.9	2723.9	2936.6
17.5°	2294.5	2298.4	2282.7	2236.9	2233.0	2271.0	2384.2	2536.5	2744.4	2790.2	3036.2
20°	2556.0	2549.2	2517.0	2426.2	2374.5	2366.7	2447.7	2595.0	2808.8	2857.6	3143.5
22.5°	2911.3	2903.4	2839.0	2695.6	2580.4	2504.3	2539.4	2671.2	2881.0	2935.7	3248.0
25°	3354.3	3343.6	3248.9	3053.7	2875.1	2686.8	2664.3	2771.7	2969.8	3020.6	3357.3
27.5°	3871.6	3862.8	3760.3	3502.7	3245.0	2936.6	2819.5	2889.8	3062.5	3120.1	3480.2
30°	4427.9	4453.3	4271.7	3994.6	3668.6	3262.6	3028.4	3035.2	3182.6	3234.3	3629.6
32.5°	5081.8	5125.7	4907.1	4555.7	4110.7	3616.9	3291.9	3238.2	3357.3	3400.2	3817.9
35°	5729.8	5779.6	5598.0	5209.6	4697.2	4034.6	3567.1	3471.5	3589.5	3636.4	4067.8
37.5°	6290.0	6356.4	6262.7	5925.0	5324.8	4538.2	3926.2	3745.7	3875.5	3934.1	4403.5
40°	6732.1	6833.6	6826.8	6616.0	6064.5	5149.1	4382.0	4084.3	4230.7	4294.2	4810.5
42.5°	7091.2	7179.1	7255.2	7244.5	6836.5	5843.0	4917.8	4524.5	4635.8	4709.0	5268.2
45°	7339.1	7432.8	7596.8	7773.4	7579.2	6585.7	5531.7	5046.6	5148.1	5258.4	5813.7
47.5°	7560.7	7667.1	7879.8	8159.9	8209.7	7331.3	6204.1	5654.7	5747.4	5861.6	6361.2
50°	7580.2	7671.9	8001.8	8399.0	8657.6	8047.7	6926.3	6336.8	6423.7	6545.7	6947.8
52.5°	7108.8	7253.3	7829.1	8392.2	8863.6	8646.9	7643.6	7046.4	7143.9	7290.3	7554.8
55°	5518.0	5729.8	7322.5	8130.6	8790.4	9034.4	8325.8	7800.8	7925.7	8078.9	8165.8
57.5°	4752.9	4845.6	5812.8	7654.4	8456.6	9134.9	8901.6	8563.0	8764.0	8931.9	8811.8
60°	4271.7	4348.8	4920.7	6913.6	8017.4	8975.8	9346.7	9273.5	9620.9	9821.0	9472.6
62.5°	3756.4	3829.6	4349.8	5772.7	7455.3	8711.3	9627.7	9929.3	10499.3	10717.9	10095.2
65°	3245.0	3307.5	3806.2	4850.5	6740.9	8446.8	9773.2	10496.3	11312.2	11538.6	10612.5
67.5°	2675.1	2726.8	3198.2	4092.2	5872.3	8084.8	9845.4	10942.3	12019.8	12214.0	10868.2
70°	1930.4	1970.4	2457.4	3236.2	4782.2	7462.1	9816.1	11258.6	12386.7	12541.9	10674.9
72.5°	912.5	948.6	1520.5	2101.2	3377.8	6250.0	9223.7	11007.7	12013.9	11936.8	9492.1
75°	487.0	518.2	873.5	1152.6	1784.0	4284.4	7548.0	9482.3	10088.4	9713.6	7015.1
77.5°	329.9	354.3	540.7	691.9	814.9	2033.9	4851.4	6565.2	6316.3	5697.6	3513.4
80°	261.6	286.9	443.1	468.5	394.3	734.9	2004.6	3039.1	2183.2	1746.0	999.4
82.5°	201.0	229.3	372.8	339.6	214.7	301.6	583.6	961.3	559.2	425.5	242.0
85°	123.0	153.2	292.8	216.7	121.0	137.6	198.1	267.4	170.8	142.5	86.9
87.5°	62.5	87.8	148.3	79.1	54.7	32.2	52.7	52.7	44.9	39.0	22.4
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: P948418

CATALOG NUMBER: GALN-SB3C-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5
2.5°	2668.2	2687.8	2720.9	2752.2	2776.6	2800.0	2823.4	2836.1	2840.0	2855.6	2864.4
5°	2699.5	2735.6	2800.0	2860.5	2898.6	2922.0	2938.6	2948.3	2950.3	2955.2	2963.0
7.5°	2757.1	2814.6	2904.4	2964.9	2993.2	2991.3	2984.5	2960.1	2950.3	2941.5	2943.5
10°	2838.1	2914.2	3024.5	3066.4	3048.9	3002.0	2941.5	2870.3	2837.1	2804.9	2795.1
12.5°	2938.6	3035.2	3143.5	3141.6	3054.7	2934.7	2794.1	2684.8	2615.5	2565.8	2554.1
15°	3060.6	3171.8	3254.8	3188.4	2998.1	2782.4	2576.5	2434.0	2371.6	2316.9	2311.0
17.5°	3186.5	3305.5	3343.6	3173.8	2855.6	2557.0	2323.7	2211.5	2150.0	2120.7	2129.5
20°	3309.4	3427.5	3396.3	3089.9	2639.0	2301.3	2093.4	2031.9	2019.2	2026.1	2023.1
22.5°	3439.2	3544.6	3407.0	2927.8	2362.8	2039.7	1925.5	1927.5	1955.8	1976.3	1981.2
25°	3572.0	3643.2	3378.7	2693.6	2066.1	1847.5	1819.2	1850.4	1906.0	1946.0	1956.8
27.5°	3699.8	3731.1	3317.3	2403.8	1811.4	1709.9	1714.7	1779.2	1863.1	1918.7	1932.4
30°	3844.3	3809.1	3199.2	2077.8	1634.7	1591.8	1632.8	1707.9	1791.8	1841.6	1853.3
32.5°	4007.2	3876.5	3011.8	1776.2	1509.8	1497.1	1564.4	1613.2	1650.3	1665.0	1672.8
35°	4210.2	3971.1	2771.7	1564.4	1397.6	1427.8	1492.2	1467.8	1453.2	1445.4	1453.2
37.5°	4473.8	4099.0	2490.6	1426.8	1306.8	1378.0	1404.4	1328.3	1270.7	1242.4	1249.2
40°	4790.9	4286.4	2220.3	1320.5	1249.2	1335.1	1289.2	1197.5	1124.3	1084.3	1087.2
42.5°	5143.3	4482.5	1992.9	1240.4	1217.0	1300.0	1204.3	1095.0	976.9	964.2	976.9
45°	5513.1	4684.6	1837.7	1178.9	1201.4	1269.7	1155.5	978.9	894.9	946.7	974.0
47.5°	5883.0	4870.0	1744.0	1133.1	1193.6	1235.6	1112.6	914.5	854.9	930.1	965.2
50°	6294.9	5035.9	1702.1	1099.9	1184.8	1221.9	1048.2	897.9	813.0	862.7	899.8
52.5°	6703.8	5164.7	1670.8	1066.7	1172.1	1211.2	1016.9	878.4	762.2	765.1	785.6
55°	7111.7	5248.7	1636.7	1022.8	1143.8	1187.7	1014.0	856.9	724.2	710.5	720.3
57.5°	7547.0	5296.5	1594.7	974.0	1095.0	1128.2	1011.1	840.3	712.4	690.0	692.9
60°	7990.1	5366.7	1540.0	914.5	1029.6	1057.0	1004.3	834.4	705.6	667.5	670.5
62.5°	8387.3	5391.1	1474.7	857.9	945.7	986.7	989.6	829.6	687.1	621.7	621.7
65°	8647.9	5285.7	1360.5	793.4	854.9	914.5	961.3	813.0	653.9	588.5	588.5
67.5°	8637.2	4985.1	1181.9	710.5	767.1	834.4	920.3	784.7	613.9	547.5	550.4
70°	8235.1	4391.8	955.5	613.9	670.5	748.6	867.6	742.7	566.1	502.6	508.5
72.5°	7062.9	3437.3	693.9	500.7	558.2	659.7	799.3	691.9	517.3	462.6	459.7
75°	5045.7	2175.4	470.4	384.5	434.3	559.2	714.4	632.4	472.4	464.6	438.2
77.5°	2577.5	1039.4	311.3	281.1	302.5	441.1	600.2	565.1	479.2	383.5	341.6
80°	838.3	383.5	196.2	191.3	201.0	293.8	464.6	463.6	363.1	260.6	230.3
82.5°	267.4	164.9	127.8	123.0	118.1	184.5	324.0	367.0	245.0	164.9	164.0
85°	106.4	98.6	75.1	69.3	49.8	86.9	169.8	244.0	182.5	119.1	122.0
87.5°	39.0	39.0	20.5	14.6	10.7	29.3	45.9	73.2	104.4	61.5	60.5
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)