

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: P940587

Luminaire Tested: **GALN-SB3D-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25239 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 218.1
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

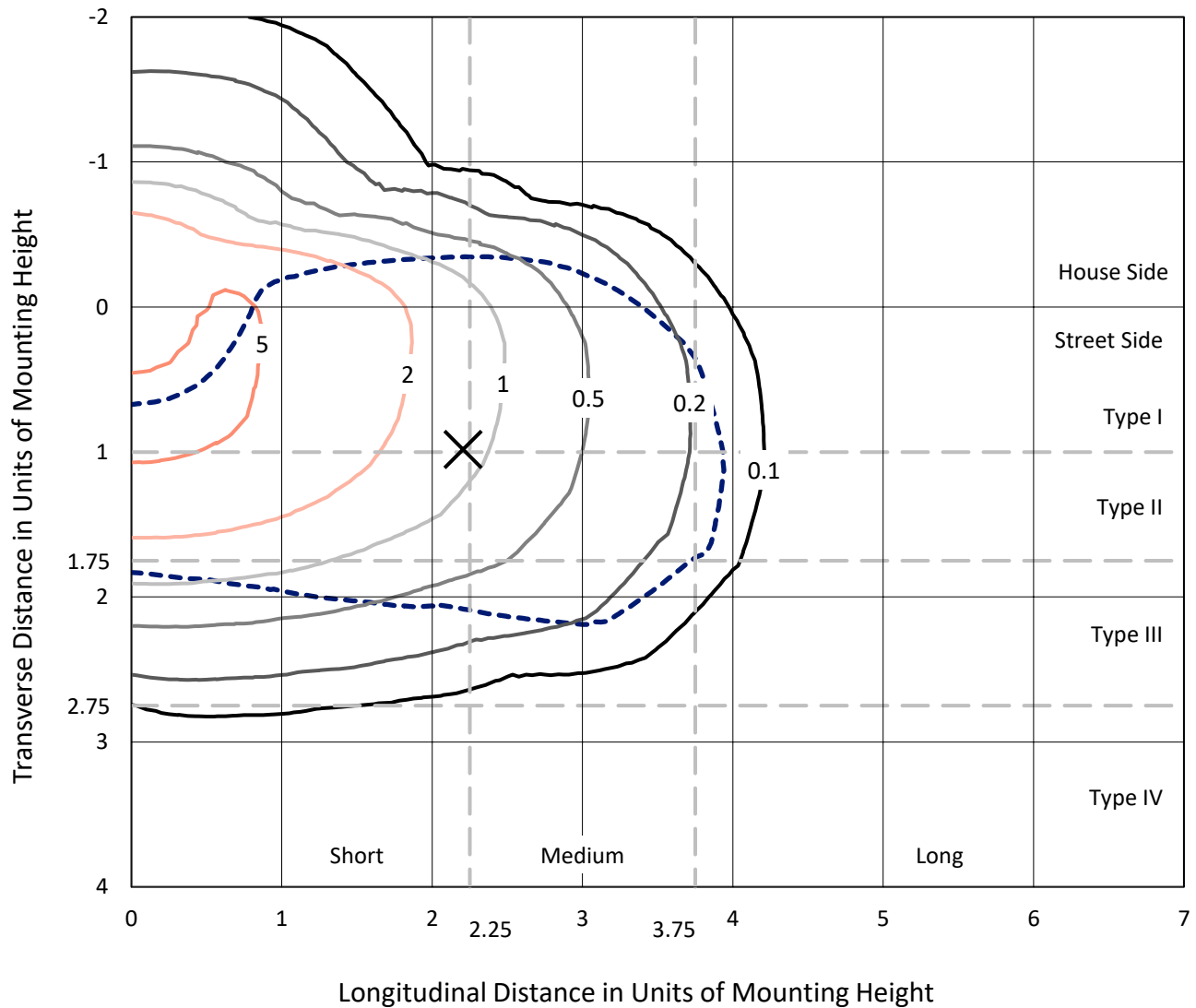


REPORT NUMBER: P940587

CATALOG NUMBER: GALN-SB3D-722-U-T3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

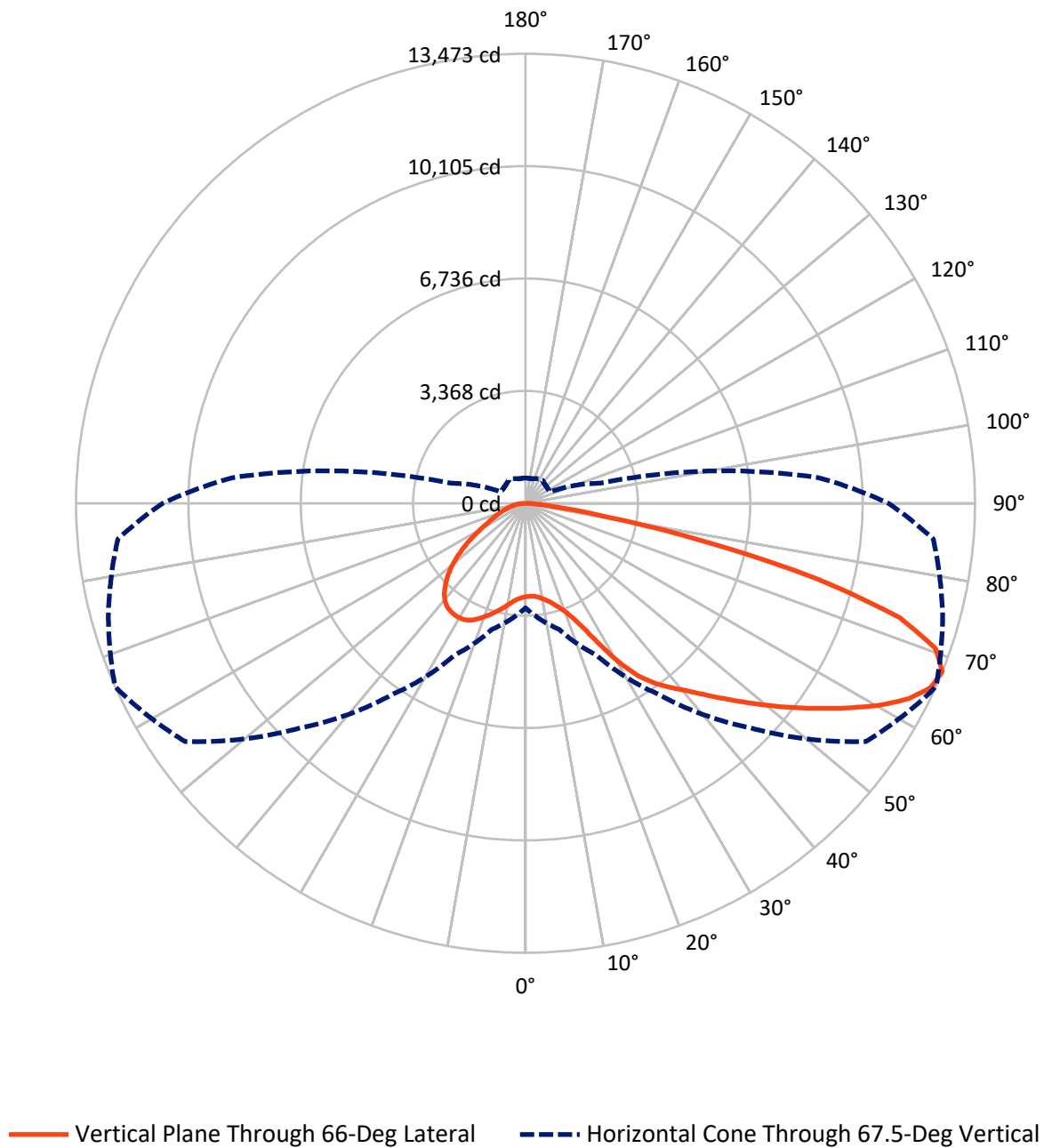


Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
Type III - Short - N/A

REPORT NUMBER: P940587

CATALOG NUMBER: GALN-SB3D-722-U-T3

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6275.6	0.0	6275.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18963.4	0.0	18963.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	25239.0	0.0	25239.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.5	1.1
10°-20°	917.0	3.6
20°-30°	1767.4	7.0
30°-40°	3098.9	12.3
40°-50°	4607.1	18.3
50°-60°	5839.9	23.1
60°-70°	5714.2	22.6
70°-80°	2725.7	10.8
80°-90°	291.3	1.2
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°	25239.0	100.0
0°-180°	25239.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940587

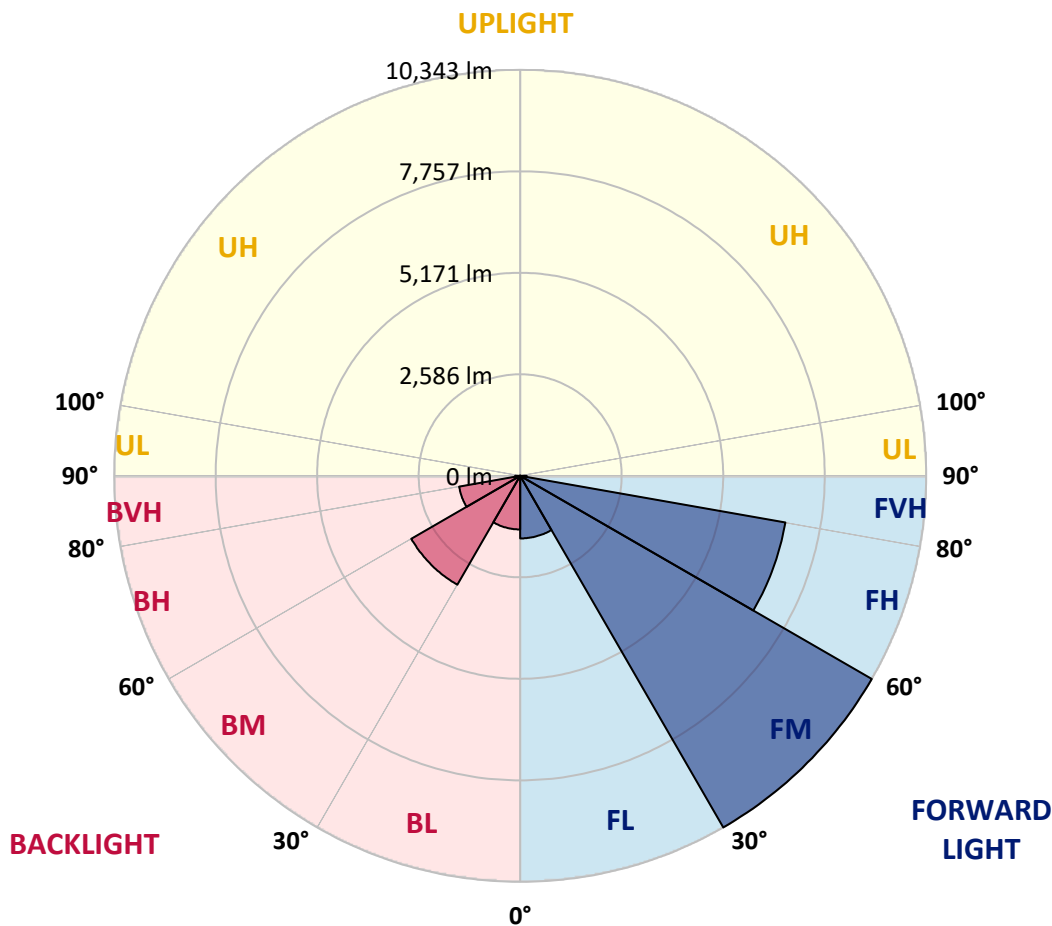
CATALOG NUMBER: GALN-SB3D-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1594.9	6.3			
FM	(30°-60°)	10342.7	41.0			
FH	(60°-80°)	6860.7	27.2			G3/7500
FVH	(80°-90°)	165.2	0.7			G2/225
BL	(0°-30°)	1367.1	5.4	B3/2500		
BM	(30°-60°)	3203.1	12.7	B3/5000		
BH	(60°-80°)	1579.3	6.3	B3/2500		G3/2500
BVH	(80°-90°)	126.1	0.5			G2/225
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 Short



REPORT NUMBER: P940587

CATALOG NUMBER: GALN-SB3D-722-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3
2.5°	2770.2	2786.1	2782.1	2775.5	2774.1	2776.8	2780.8	2784.8	2783.4	2790.1	2800.7
5°	2762.2	2778.1	2776.8	2776.8	2782.1	2792.7	2799.3	2806.0	2799.3	2807.3	2821.9
7.5°	2767.5	2779.4	2784.8	2790.1	2803.3	2823.2	2839.1	2853.7	2845.8	2855.0	2873.6
10°	2835.1	2844.4	2849.7	2849.7	2859.0	2881.6	2897.5	2924.0	2917.4	2931.9	2955.8
12.5°	2958.5	2967.7	2967.7	2962.4	2969.1	2983.7	2989.0	3018.1	3006.2	3030.1	3053.9
15°	3109.6	3128.2	3113.6	3104.3	3107.0	3121.6	3120.2	3142.8	3130.9	3150.7	3172.0
17.5°	3276.7	3300.6	3276.7	3275.4	3270.1	3286.0	3287.3	3307.2	3286.0	3300.6	3315.2
20°	3474.3	3507.5	3487.6	3494.2	3482.3	3488.9	3495.5	3524.7	3491.5	3502.2	3498.2
22.5°	3752.8	3792.6	3771.3	3796.5	3788.6	3783.3	3782.0	3833.7	3782.0	3785.9	3747.5
25°	4158.6	4206.3	4169.2	4203.6	4203.6	4220.9	4240.8	4307.1	4220.9	4195.7	4096.2
27.5°	4757.9	4805.7	4732.8	4754.0	4747.3	4789.8	4768.6	4933.0	4840.2	4799.1	4598.8
30°	5479.3	5564.2	5426.3	5421.0	5414.4	5482.0	5512.5	5621.2	5527.1	5486.0	5244.6
32.5°	6259.1	6347.9	6183.5	6135.7	6110.5	6151.6	6126.5	6214.0	6149.0	6085.3	5787.0
35°	7083.9	7171.4	7014.9	6922.1	6821.3	6735.1	6644.9	6667.5	6606.5	6509.7	6200.7
37.5°	7863.6	8024.1	7858.3	7758.8	7573.2	7404.8	7152.8	7048.1	6991.1	6902.2	6590.6
40°	8657.9	8749.4	8623.4	8538.6	8337.0	8073.1	7670.0	7448.5	7371.6	7285.4	7021.6
42.5°	9242.7	9330.2	9262.6	9204.3	9046.5	8740.1	8219.0	7941.8	7830.5	7733.7	7509.5
45°	9706.8	9771.8	9729.4	9750.6	9683.0	9385.9	8787.9	8470.9	8355.6	8237.6	8061.2
47.5°	9893.8	9962.8	10030.4	10156.4	10271.8	10053.0	9399.2	9043.8	8921.8	8801.1	8627.4
50°	9872.6	9942.9	10139.1	10407.0	10765.1	10692.1	10043.7	9653.8	9541.1	9403.2	9242.7
52.5°	9702.9	9782.4	10034.4	10479.9	11050.2	11170.8	10700.1	10283.7	10177.6	10013.2	9852.7
55°	9257.3	9305.0	9683.0	10314.2	11117.8	11505.0	11343.2	10954.7	10848.6	10619.2	10444.1
57.5°	8431.2	8500.1	9050.4	9867.3	10948.1	11731.8	11908.1	11660.2	11558.0	11227.9	11044.9
60°	7353.1	7463.1	8093.0	9116.7	10515.8	11730.4	12421.3	12353.7	12268.8	11827.2	11636.3
62.5°	6133.1	6260.4	6866.4	8055.9	9759.9	11397.6	12742.2	12934.5	12890.7	12380.2	12136.2
65°	4710.2	4797.7	5401.1	6683.4	8583.7	10682.8	12779.4	13331.0	13339.0	12800.6	12397.5
67.5°	3136.2	3388.1	3911.9	5015.2	7008.3	9514.6	12453.1	13396.0	13472.9	12945.1	12266.2
70°	1530.3	1861.8	2375.0	3259.5	5015.2	7723.0	11600.5	12862.9	13034.0	12523.4	11483.8
72.5°	635.2	742.6	1022.4	1608.5	2878.9	5211.5	9887.2	11417.5	11734.4	11096.6	9655.1
75°	428.3	464.1	584.8	824.8	1311.5	2569.9	7130.3	8513.4	9023.9	8380.8	6850.5
77.5°	330.2	352.7	425.7	576.8	779.7	972.0	3816.4	5130.6	5394.5	4994.0	3564.5
80°	259.9	277.1	318.3	420.4	553.0	519.8	1300.9	2324.6	2477.1	2078.0	1145.7
82.5°	225.4	232.1	228.1	285.1	367.3	303.7	427.0	858.0	946.8	686.9	374.0
85°	163.1	181.7	189.6	176.4	194.9	153.8	175.0	303.7	334.2	298.4	210.8
87.5°	66.3	98.1	120.7	114.0	71.6	43.8	54.4	88.8	102.1	111.4	69.0
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: P940587

CATALOG NUMBER: GALN-SB3D-722-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3	2799.3
2.5°	2802.0	2811.3	2817.9	2825.9	2831.2	2839.1	2855.0	2864.3	2865.6	2872.3	2870.9
5°	2827.2	2840.4	2855.0	2876.3	2900.1	2920.0	2950.5	2971.7	2979.7	2986.3	2985.0
7.5°	2881.6	2900.1	2926.6	2963.8	2998.2	3024.8	3061.9	3087.1	3112.3	3121.6	3122.9
10°	2962.4	2989.0	3027.4	3077.8	3114.9	3149.4	3187.9	3209.1	3234.3	3244.9	3250.2
12.5°	3063.2	3091.1	3141.5	3211.7	3246.2	3270.1	3283.4	3278.1	3283.4	3292.6	3295.3
15°	3178.6	3209.1	3266.1	3341.7	3365.6	3344.4	3315.2	3288.7	3284.7	3287.3	3296.6
17.5°	3315.2	3337.7	3404.0	3467.7	3450.4	3362.9	3299.3	3256.8	3235.6	3229.0	3238.3
20°	3506.1	3506.1	3560.5	3600.3	3484.9	3336.4	3236.9	3168.0	3124.2	3105.7	3101.7
22.5°	3738.2	3717.0	3751.5	3723.6	3478.3	3262.1	3124.2	3004.9	2938.6	2912.1	2908.1
25°	4032.6	4007.4	3998.1	3825.7	3430.5	3144.1	2920.0	2775.5	2717.1	2702.5	2705.2
27.5°	4476.8	4413.2	4292.5	3881.4	3343.0	2958.5	2681.3	2547.4	2514.2	2515.6	2519.5
30°	5068.2	4940.9	4645.2	3890.7	3199.8	2695.9	2437.3	2341.8	2325.9	2332.6	2355.1
32.5°	5615.9	5495.2	5005.9	3848.3	2979.7	2438.6	2218.5	2154.9	2131.0	2139.0	2149.6
35°	6045.6	6012.4	5340.1	3788.6	2709.2	2197.3	2022.3	1967.9	1921.5	1910.9	1918.8
37.5°	6451.3	6438.1	5590.7	3705.0	2441.3	2026.2	1864.5	1792.8	1725.2	1688.1	1689.4
40°	6896.9	6883.6	5755.2	3576.4	2203.9	1877.7	1722.6	1628.4	1544.9	1477.2	1483.9
42.5°	7398.2	7319.9	5833.4	3392.1	2002.4	1751.7	1607.2	1479.9	1369.8	1307.5	1311.5
45°	7945.8	7769.5	5832.1	3157.4	1832.6	1636.4	1483.9	1303.5	1201.4	1143.1	1140.4
47.5°	8526.6	8199.1	5760.5	2897.5	1668.2	1509.1	1292.9	1155.0	1087.4	1051.6	1043.6
50°	9126.0	8600.9	5638.5	2599.1	1499.8	1364.5	1173.6	1079.4	1027.7	994.6	982.6
52.5°	9689.6	8965.6	5491.3	2261.0	1328.7	1224.0	1120.5	1047.6	993.2	956.1	940.2
55°	10213.4	9279.9	5283.1	1914.8	1189.5	1129.8	1095.3	1034.3	972.0	928.3	911.0
57.5°	10678.9	9484.1	4923.7	1590.0	1090.0	1064.8	1068.8	1011.8	940.2	903.1	879.2
60°	11066.1	9633.9	4392.0	1288.9	1009.1	1001.2	1027.7	969.4	885.8	843.4	824.8
62.5°	11298.1	9631.3	3739.5	1055.6	940.2	942.8	973.3	916.3	831.4	791.7	779.7
65°	11278.2	9395.2	3023.4	903.1	873.9	876.5	916.3	858.0	786.4	762.5	761.2
67.5°	10879.1	8819.7	2319.3	803.6	800.9	812.9	859.3	818.2	758.5	755.9	759.8
70°	9798.3	7624.9	1670.9	724.0	725.4	742.6	803.6	793.0	743.9	749.2	747.9
72.5°	7857.0	5813.5	1121.9	640.5	641.8	669.7	750.6	773.1	729.3	799.6	810.2
75°	5232.7	3625.5	721.4	551.6	553.0	588.8	704.1	734.6	689.6	797.0	803.6
77.5°	2514.2	1629.7	522.5	464.1	464.1	497.3	608.7	657.7	587.5	619.3	567.6
80°	868.6	612.6	411.1	374.0	366.0	388.5	513.2	570.2	506.6	466.8	437.6
82.5°	342.1	318.3	330.2	290.4	263.9	278.5	399.1	470.8	372.6	336.8	335.5
85°	196.3	206.9	233.4	192.3	152.5	171.1	293.1	338.1	281.1	248.0	253.3
87.5°	53.0	72.9	107.4	99.5	69.0	72.9	139.2	187.0	161.8	124.7	128.6
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)