

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: P953434

Luminaire Tested: **GALN-SB7A-727-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-727-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22614 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 199.1
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



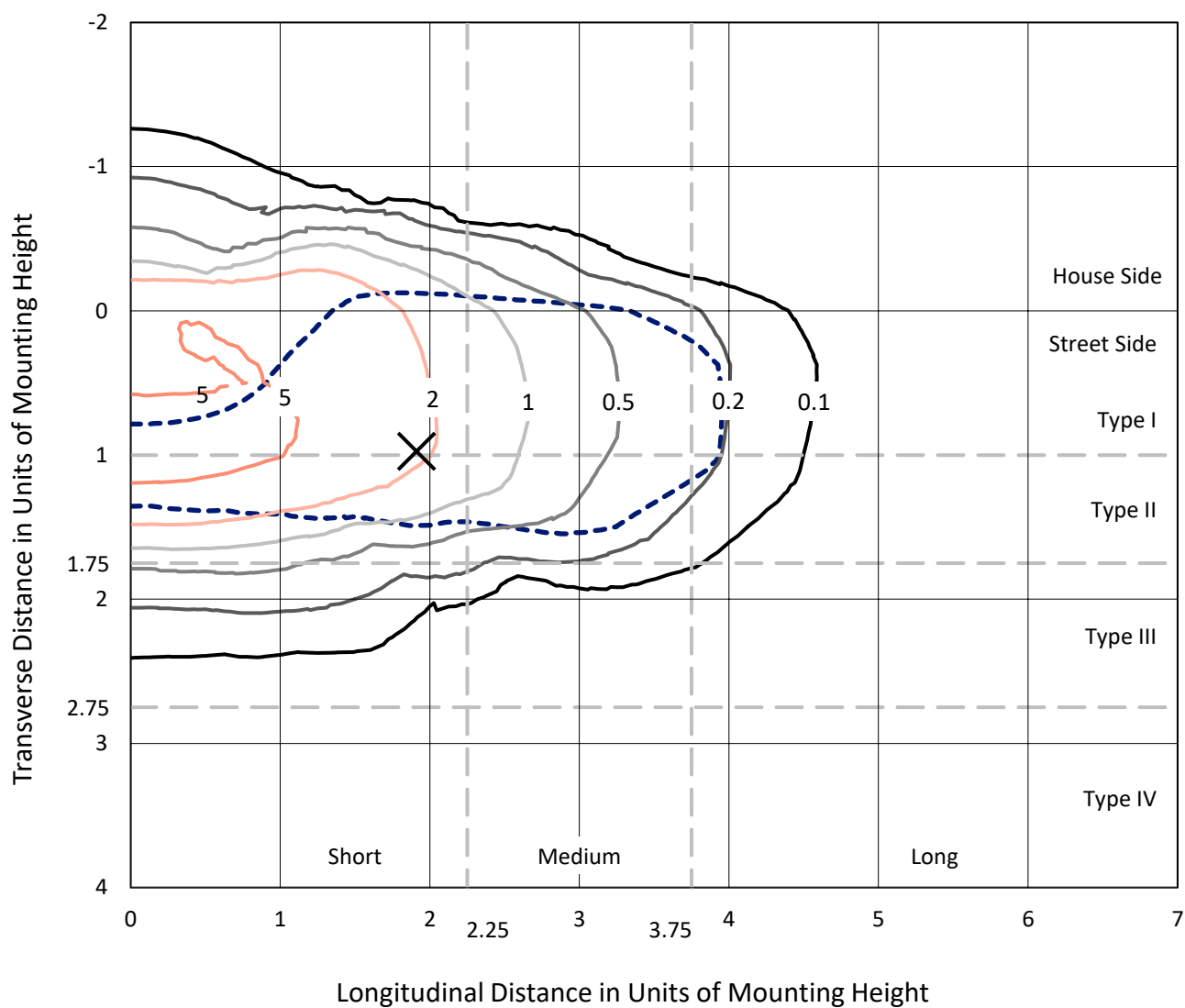
REPORT NUMBER: P953434

CATALOG NUMBER: GALN-SB7A-727-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

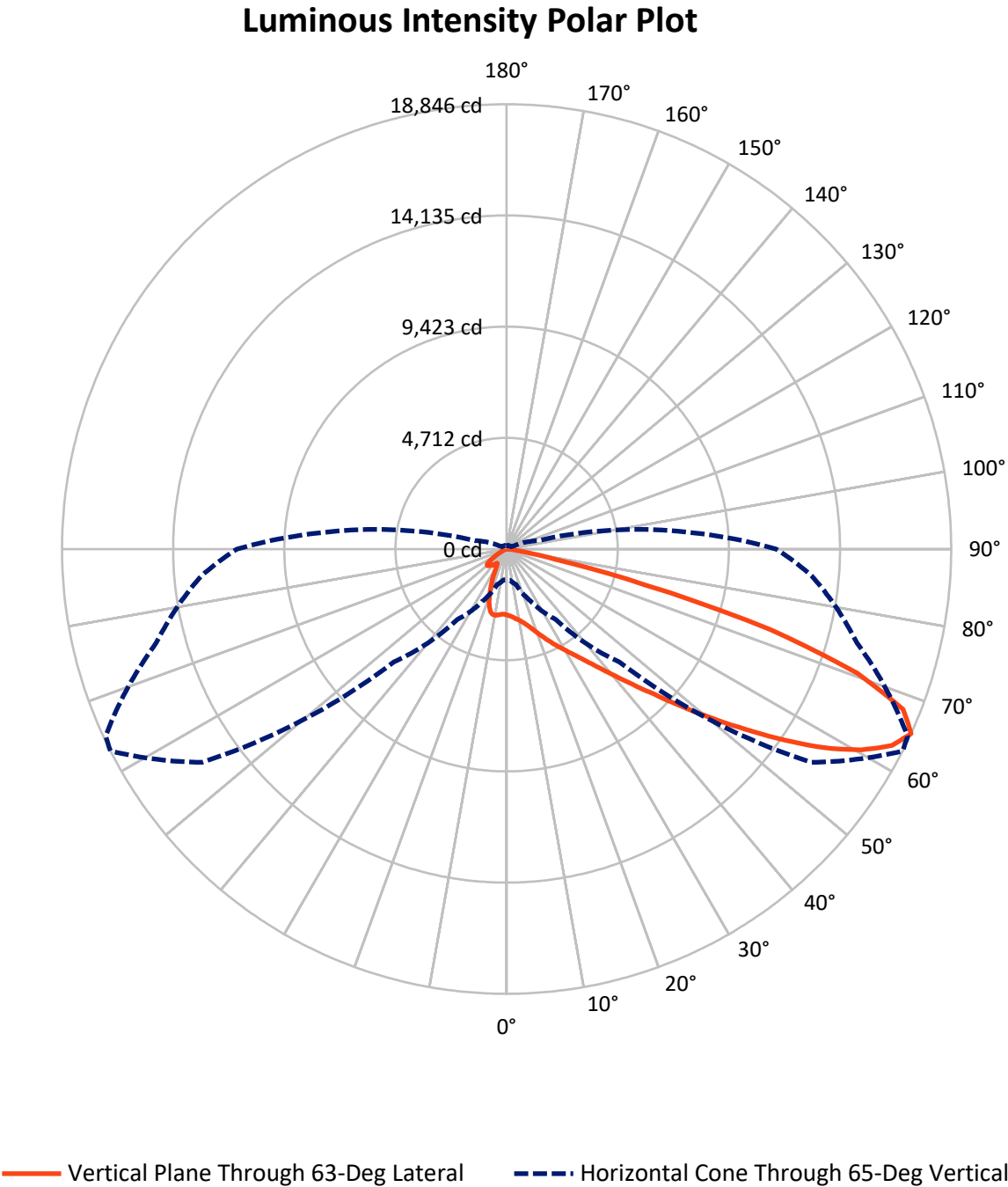
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
Type II - Short - N/A

REPORT NUMBER: P953434
CATALOG NUMBER: GALN-SB7A-727-U-T2U-HSS



REPORT NUMBER: P953434

CATALOG NUMBER: GALN-SB7A-727-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3324.1	0.0	3324.1
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	19289.9	0.0	19289.9
	% Fixture	85.3	0.0	85.3
Total	Lumens	22614.0	0.0	22614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	1.2
10°-20°	729.6	3.2
20°-30°	1270.5	5.6
30°-40°	2289.9	10.1
40°-50°	4541.6	20.1
50°-60°	6186.4	27.4
60°-70°	4937.9	21.8
70°-80°	2234.5	9.9
80°-90°	160.6	0.7
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°	22614.0	100.0
0°-180°	22614.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953434

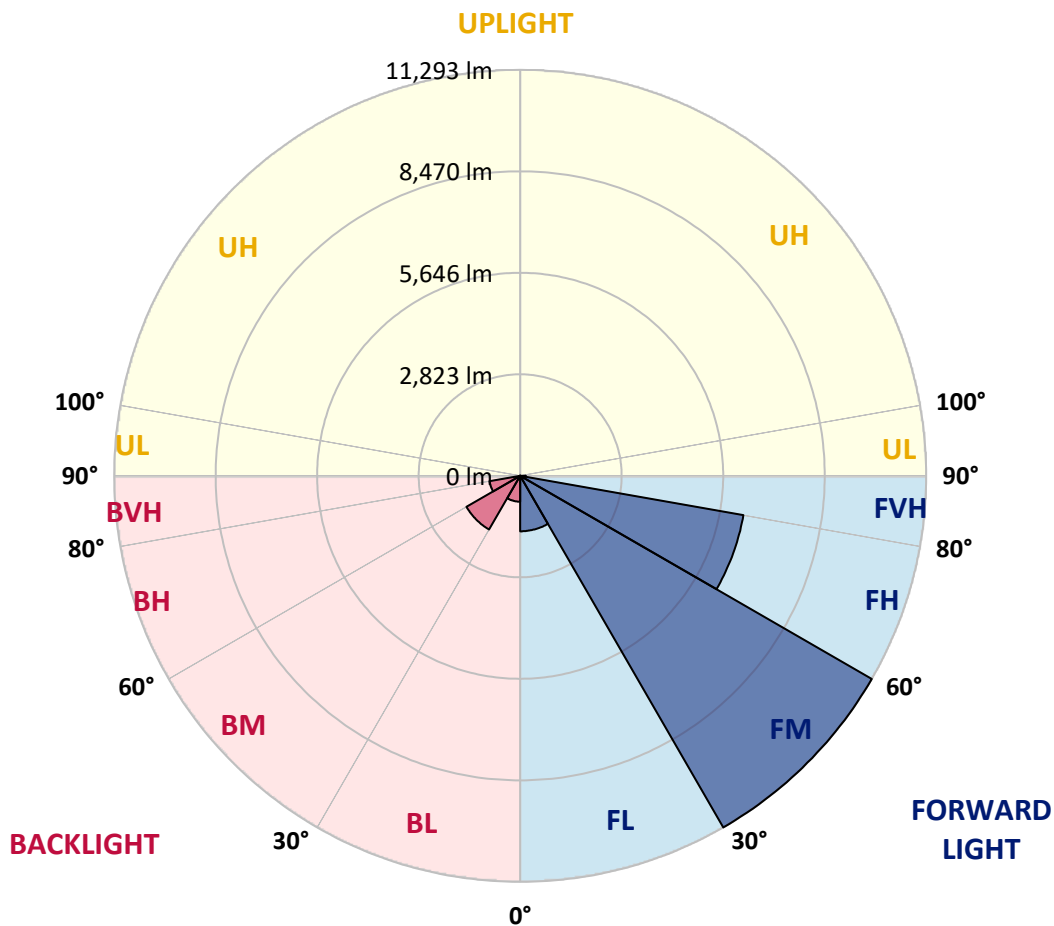
CATALOG NUMBER: GALN-SB7A-727-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1543.7	6.8			
FM	(30°-60°)	11292.9	49.9			
FH	(60°-80°)	6304.7	27.9			G3/7500
FVH	(80°-90°)	148.7	0.7			G2/225
BL	(0°-30°)	719.4	3.2	B2/1000		
BM	(30°-60°)	1725.0	7.6	B2/2500		
BH	(60°-80°)	867.8	3.8	B2/1000		G2/1000
BVH	(80°-90°)	11.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



REPORT NUMBER: P953434

CATALOG NUMBER: GALN-SB7A-727-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0
2.5°	2856.3	2848.6	2859.4	2854.8	2851.7	2845.4	2842.3	2839.2	2833.0	2828.3	2809.7
5°	2864.1	2859.4	2870.3	2879.7	2889.0	2898.3	2903.0	2909.2	2903.0	2890.6	2871.9
7.5°	2798.8	2795.7	2819.0	2847.0	2889.0	2924.8	2963.7	2985.5	2987.0	2982.4	2962.1
10°	2794.1	2786.3	2809.7	2843.9	2898.3	2962.1	3030.6	3077.3	3083.5	3103.7	3081.9
12.5°	2867.2	2859.4	2892.1	2929.5	2985.5	3052.4	3136.4	3201.7	3211.0	3239.0	3223.5
15°	2990.1	2979.2	3016.6	3064.8	3136.4	3212.6	3301.3	3360.4	3368.2	3402.4	3374.4
17.5°	3133.3	3122.4	3165.9	3217.3	3295.1	3399.3	3502.0	3567.3	3576.6	3598.4	3547.1
20°	3316.8	3302.8	3337.1	3383.7	3466.2	3590.6	3713.5	3806.9	3805.3	3805.3	3721.3
22.5°	3530.0	3508.2	3537.7	3575.1	3652.9	3803.8	3967.1	4077.6	4077.6	4034.0	3895.6
25°	3758.7	3736.9	3769.6	3803.8	3872.2	4043.4	4234.7	4371.6	4377.8	4303.2	4082.3
27.5°	4044.9	4016.9	4041.8	4082.3	4122.7	4296.9	4524.1	4682.8	4685.9	4570.8	4259.6
30°	4595.7	4516.3	4438.5	4395.0	4413.6	4586.3	4829.0	5004.8	5020.4	4861.7	4452.5
32.5°	5603.8	5588.2	5314.4	4956.6	4769.9	4897.5	5169.7	5381.3	5390.6	5186.8	4703.0
35°	7170.4	7151.7	6711.5	6030.0	5421.7	5314.4	5583.5	5834.0	5827.8	5597.5	5028.1
37.5°	9040.4	9023.3	8443.0	7531.3	6546.5	5944.5	6117.2	6380.1	6419.0	6117.2	5448.2
40°	10638.1	10574.4	10207.2	9328.2	8040.1	6989.9	6876.4	7050.6	7091.1	6733.2	5981.8
42.5°	11848.5	11794.1	11607.4	11058.2	9847.8	8536.3	7770.9	7837.8	7882.9	7453.5	6594.8
45°	12475.5	12463.0	12537.7	12486.4	11689.8	10434.3	9049.7	8771.3	8788.4	8251.6	7290.2
47.5°	12564.1	12557.9	12898.6	13380.9	13273.6	12575.0	10691.0	9934.9	9874.3	9152.4	8046.3
50°	12041.4	12029.0	12682.4	13586.3	14331.5	14373.5	12554.8	11246.4	11112.6	10084.3	8835.0
52.5°	10372.1	10369.0	11442.5	12946.9	14703.3	15947.9	14396.8	12687.0	12463.0	11070.6	9668.9
55°	7980.9	8038.5	9269.1	11047.3	14025.0	16705.5	16050.6	14286.3	13942.5	12063.2	10437.4
57.5°	5653.6	5737.6	6954.2	8537.9	11921.6	16257.5	17169.1	15888.8	15518.5	13052.6	11216.9
60°	3036.8	3111.5	4329.6	6219.8	8869.3	14586.6	17758.8	17279.6	16929.5	13992.3	11920.1
62.5°	1809.3	1834.2	2338.3	4015.4	5998.9	11143.8	17508.3	18339.0	18051.2	14781.1	12531.5
65°	1299.0	1303.7	1557.3	2451.8	3642.0	6770.6	15751.9	18846.2	18757.5	15375.4	12984.2
67.5°	1093.7	1090.6	1196.4	1628.9	2481.4	3391.5	12072.5	18129.0	18505.5	15751.9	13240.9
70°	938.1	942.8	1067.2	1193.3	1865.3	1919.8	6002.0	15784.5	16587.3	15851.4	13225.3
72.5°	698.5	714.1	829.2	1087.5	1407.9	1320.8	2072.2	11703.8	13155.3	14935.1	12539.3
75°	493.2	500.9	583.4	914.8	1050.1	961.4	1057.9	6050.3	7910.9	11450.2	10263.2
77.5°	379.6	393.6	441.8	639.4	1034.6	675.2	647.2	2094.0	3217.3	6916.8	7036.6
80°	205.4	230.2	318.9	462.1	726.5	477.6	320.5	833.9	1090.6	3234.4	2713.2
82.5°	105.8	118.2	222.5	332.9	413.8	416.9	158.7	346.9	449.6	998.8	371.8
85°	42.0	51.3	149.4	183.6	213.1	205.4	71.6	140.0	161.8	276.9	113.6
87.5°	9.3	15.6	54.5	42.0	40.4	43.6	17.1	32.7	31.1	32.7	20.2
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: P953434

CATALOG NUMBER: GALN-SB7A-727-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0	2791.0
2.5°	2808.1	2801.9	2784.8	2766.1	2744.3	2731.9	2724.1	2722.5	2711.7	2703.9	2711.7
5°	2854.8	2848.6	2815.9	2777.0	2735.0	2702.3	2671.2	2643.2	2602.8	2595.0	2591.9
7.5°	2948.1	2931.0	2878.1	2825.2	2745.9	2651.0	2535.9	2403.6	2285.4	2249.6	2232.5
10°	3063.2	3039.9	2973.0	2879.7	2703.9	2445.6	2167.1	1908.9	1703.5	1646.0	1624.2
12.5°	3193.9	3173.7	3085.0	2912.3	2528.1	2059.8	1633.5	1313.0	1113.9	1064.1	1050.1
15°	3349.5	3319.9	3197.0	2862.6	2213.8	1565.1	1121.7	931.9	860.3	851.0	841.7
17.5°	3514.4	3466.2	3296.6	2683.6	1790.7	1112.4	866.5	812.1	781.0	771.6	767.0
20°	3665.3	3603.1	3355.7	2413.0	1337.9	866.5	776.3	740.5	712.5	701.6	695.4
22.5°	3816.2	3727.5	3355.7	2044.2	1003.5	768.5	712.5	679.9	647.2	633.2	625.4
25°	3973.4	3855.1	3296.6	1633.5	807.4	704.7	651.9	616.1	588.1	571.0	564.7
27.5°	4125.8	3962.5	3161.3	1244.6	718.8	648.7	595.8	561.6	535.2	522.7	522.7
30°	4270.5	4068.3	2971.5	944.3	661.2	594.3	544.5	514.9	488.5	476.1	477.6
32.5°	4466.5	4202.0	2769.2	774.8	611.4	543.0	497.8	469.8	446.5	437.2	437.2
35°	4738.8	4399.6	2595.0	760.8	569.4	500.9	455.8	429.4	406.0	398.3	398.3
37.5°	5124.6	4718.6	2503.2	854.1	535.2	463.6	421.6	393.6	371.8	365.6	364.0
40°	5600.7	5151.1	2553.0	947.4	511.8	430.9	390.5	362.5	343.8	336.0	334.5
42.5°	6165.4	5684.7	2828.3	1019.0	496.3	402.9	360.9	329.8	317.4	314.3	314.3
45°	6814.1	6271.2	3249.9	1095.2	471.4	376.5	331.4	308.0	298.7	297.1	295.6
47.5°	7551.6	6915.3	3738.4	1190.1	446.5	351.6	308.0	292.5	284.7	281.6	281.6
50°	8282.8	7564.0	4240.9	1243.0	426.3	328.3	289.4	276.9	270.7	269.1	269.1
52.5°	9048.2	8231.4	4647.0	1193.3	409.2	309.6	273.8	264.5	258.3	256.7	256.7
55°	9777.8	8771.3	4717.0	1012.8	374.9	290.9	256.7	252.0	244.3	244.3	242.7
57.5°	10406.3	9042.0	4222.3	743.6	340.7	262.9	239.6	234.9	228.7	227.1	225.6
60°	10983.5	8964.2	3259.3	500.9	303.4	234.9	217.8	214.7	208.5	200.7	199.1
62.5°	11308.7	8621.9	2229.4	326.7	266.0	205.4	192.9	191.4	177.4	161.8	158.7
65°	11431.6	7918.7	1390.8	238.0	222.5	175.8	166.5	163.4	143.1	126.0	124.5
67.5°	11324.2	6761.2	701.6	188.2	175.8	146.2	136.9	136.9	122.9	107.3	105.8
70°	10894.8	5068.6	295.6	150.9	135.3	112.0	112.0	118.2	104.2	87.1	85.6
72.5°	9962.9	3410.2	157.1	115.1	101.1	79.3	91.8	96.5	82.5	65.3	65.3
75°	7920.3	2080.0	108.9	85.6	63.8	56.0	70.0	73.1	56.0	43.6	42.0
77.5°	5417.1	1194.8	73.1	54.5	40.4	32.7	48.2	45.1	29.6	20.2	21.8
80°	2378.7	497.8	42.0	24.9	15.6	12.4	17.1	12.4	9.3	6.2	6.2
82.5°	278.5	116.7	15.6	9.3	6.2	3.1	1.6	0.0	0.0	0.0	0.0
85°	57.6	14.0	7.8	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	3.1	1.6	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)