

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: P953059

Luminaire Tested: **GALN-SB6D-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953059
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-SB6D-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52332 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1
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

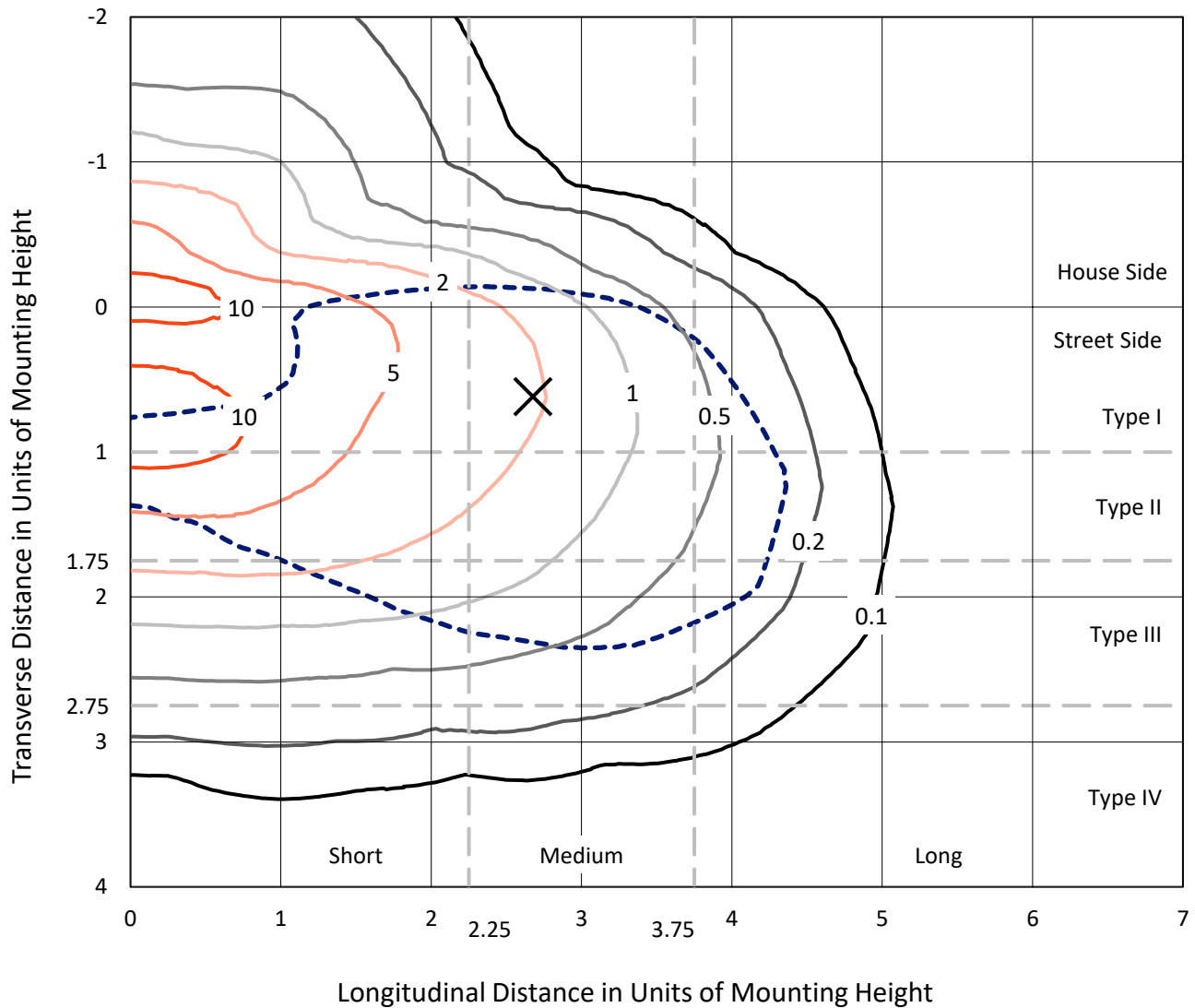


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

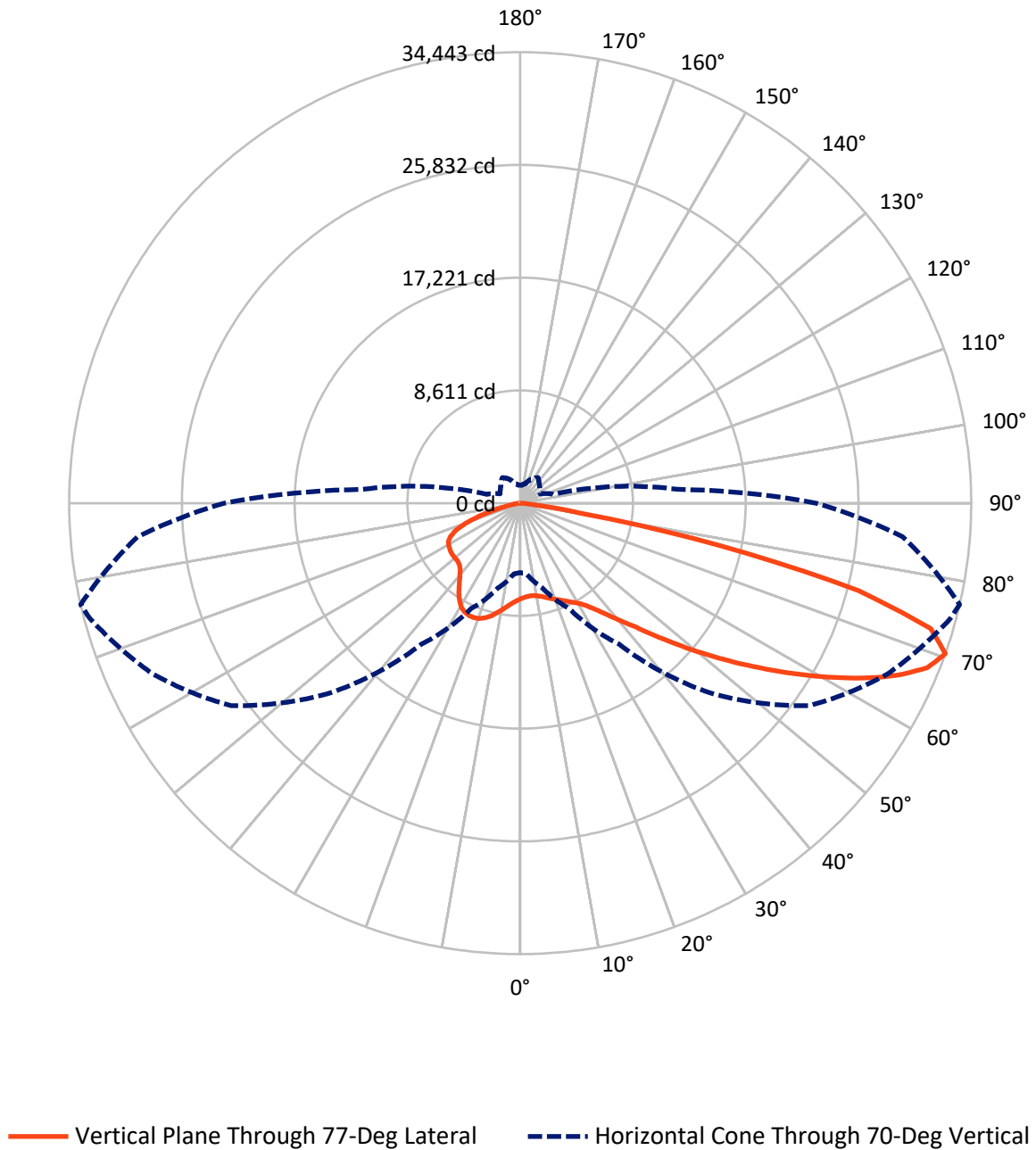


Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11459.9	0.0	11459.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	40872.1	0.0	40872.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	52332.0	0.0	52332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.3	1.3
10°-20°	2009.6	3.8
20°-30°	3436.7	6.6
30°-40°	5526.5	10.6
40°-50°	8628.4	16.5
50°-60°	11525.4	22.0
60°-70°	12284.3	23.5
70°-80°	7562.2	14.5
80°-90°	662.6	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°	52332.0	100.0
0°-180°	52332.0	100.0

Coefficient of Utilization



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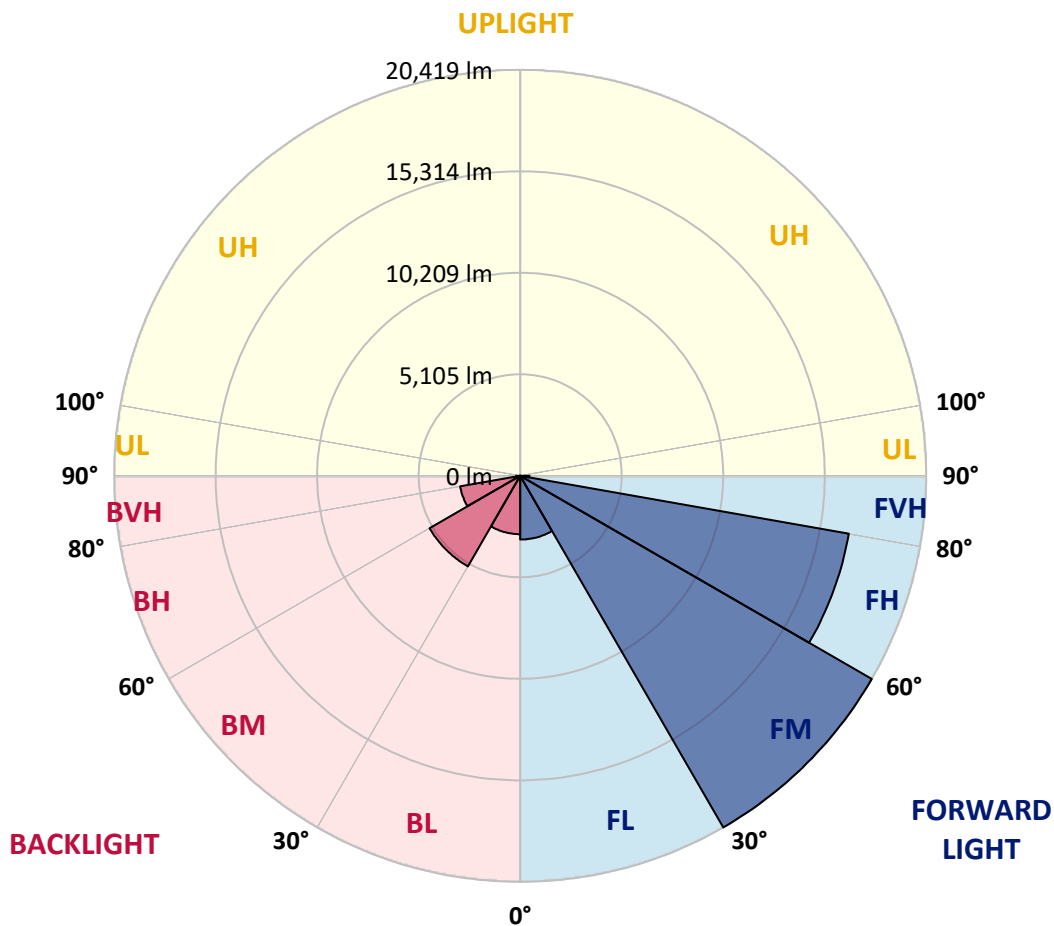
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3206.2	6.1			
FM	(30°-60°)	20418.8	39.0			
FH	(60°-80°)	16783.8	32.1			G5
FVH	(80°-90°)	463.4	0.9			G3/500
BL	(0°-30°)	2936.4	5.6	B4/5000		
BM	(30°-60°)	5261.5	10.1	B4/8500		
BH	(60°-80°)	3062.7	5.9	B4/5000		G4/5000
BVH	(80°-90°)	199.3	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8
2.5°	6729.9	6727.2	6762.1	6772.8	6837.1	6882.7	6968.4	7059.6	7177.5	7190.9	7263.3
5°	6341.3	6341.3	6381.5	6424.4	6507.5	6598.6	6729.9	6888.0	7091.7	7123.9	7303.5
7.5°	6011.6	6033.1	6067.9	6151.0	6247.5	6378.8	6579.8	6805.0	7073.0	7123.9	7413.4
10°	5746.3	5770.4	5813.3	5880.3	6025.0	6207.3	6469.9	6759.4	7118.5	7198.9	7574.2
12.5°	5663.2	5687.3	5711.4	5762.4	5896.4	6110.8	6424.4	6780.8	7228.4	7308.8	7793.9
15°	5856.2	5885.7	5866.9	5853.5	5923.2	6118.8	6445.8	6858.6	7365.1	7480.4	8064.6
17.5°	6301.1	6311.8	6268.9	6143.0	6132.2	6236.8	6547.7	6965.8	7536.6	7662.6	8338.0
20°	7019.4	7000.6	6912.2	6662.9	6520.9	6499.4	6721.9	7126.6	7713.5	7847.5	8632.8
22.5°	7995.0	7973.5	7796.6	7402.6	7086.4	6877.3	6973.8	7335.6	7911.9	8062.0	8919.6
25°	9211.8	9182.3	8922.3	8386.3	7895.8	7378.5	7316.9	7611.7	8155.8	8295.1	9219.8
27.5°	10632.2	10608.1	10326.7	9619.1	8911.6	8064.6	7743.0	7936.0	8410.4	8568.5	9557.5
30°	12159.9	12229.6	11731.1	10969.9	10074.8	8959.8	8316.6	8335.3	8740.0	8882.1	9967.6
32.5°	13955.7	14076.3	13475.9	12511.0	11288.9	9932.7	9040.2	8892.8	9219.8	9337.7	10484.8
35°	15735.3	15872.0	15373.5	14306.8	12899.7	11079.8	9796.0	9533.4	9857.7	9986.3	11171.0
37.5°	17273.7	17456.0	17198.7	16271.3	14623.0	12462.8	10782.3	10286.5	10643.0	10803.8	12092.9
40°	18487.8	18766.6	18747.8	18168.9	16654.6	14140.6	12034.0	11216.5	11618.6	11792.8	13210.6
42.5°	19474.1	19715.4	19924.4	19894.9	18774.6	16046.2	13505.4	12425.3	12730.8	12931.8	14467.6
45°	20154.9	20412.2	20862.5	21347.6	20814.2	18085.8	15191.2	13859.2	14137.9	14440.8	15965.8
47.5°	20763.3	21055.4	21639.7	22408.9	22545.6	20133.5	17037.9	15528.9	15783.5	16097.1	17469.4
50°	20816.9	21068.8	21974.7	23065.6	23775.8	22100.7	19021.2	17402.4	17640.9	17975.9	19080.2
52.5°	19522.4	19919.0	21500.3	23046.8	24341.3	23746.3	20991.1	19350.8	19618.9	20020.9	20747.2
55°	15153.7	15735.3	20109.3	22328.5	24140.3	24810.4	22864.6	21422.6	21765.7	22186.5	22425.0
57.5°	13052.4	13307.1	15963.1	21020.6	23223.7	25086.4	24445.9	23515.8	24068.0	24528.9	24199.3
60°	11731.1	11942.9	13513.4	18986.3	22017.6	24649.6	25668.0	25467.0	26421.1	26970.6	26013.8
62.5°	10316.0	10517.0	11945.5	15853.2	20473.8	23923.2	26439.9	27268.1	28833.3	29433.7	27723.7
65°	8911.6	9083.1	10452.7	13320.5	18512.0	23196.9	26839.3	28825.3	31065.9	31687.7	29144.2
67.5°	7346.4	7488.4	8782.9	11238.0	16126.6	22202.6	27037.6	30050.1	33009.0	33542.4	29846.4
70°	5301.4	5411.3	6748.7	8887.5	13132.8	20492.6	26957.2	30918.5	34016.8	34442.9	29315.7
72.5°	2506.0	2605.1	4175.7	5770.4	9276.1	17163.8	25330.3	30229.7	32992.9	32781.2	26067.4
75°	1337.4	1423.2	2398.8	3165.3	4899.4	11766.0	20728.5	26040.6	27704.9	26675.8	19265.1
77.5°	905.9	972.9	1484.8	1900.2	2237.9	5585.5	13323.1	18029.5	17346.1	15646.9	9648.6
80°	718.3	788.0	1216.8	1286.5	1082.8	2018.2	5505.1	8346.1	5995.5	4794.8	2744.5
82.5°	552.1	629.8	1023.8	932.7	589.6	828.2	1602.7	2640.0	1535.7	1168.6	664.7
85°	337.7	420.8	804.1	595.0	332.3	377.9	544.1	734.4	469.0	391.3	238.5
87.5°	171.5	241.2	407.4	217.1	150.1	88.4	144.7	144.7	123.3	107.2	61.6
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°	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8	7300.8
2.5°	7327.6	7381.2	7472.3	7558.1	7625.1	7689.4	7753.7	7788.6	7799.3	7842.2	7866.3
5°	7413.4	7512.5	7689.4	7855.6	7960.1	8024.4	8070.0	8096.8	8102.2	8115.6	8137.0
7.5°	7571.5	7729.6	7976.2	8142.4	8220.1	8214.7	8196.0	8129.0	8102.2	8078.0	8083.4
10°	7793.9	8003.0	8305.9	8421.1	8372.9	8244.2	8078.0	7882.4	7791.3	7702.8	7676.0
12.5°	8070.0	8335.3	8632.8	8627.5	8388.9	8059.3	7673.3	7373.2	7182.9	7046.2	7014.0
15°	8405.0	8710.6	8938.4	8756.1	8233.5	7641.2	7075.7	6684.4	6512.8	6362.7	6346.6
17.5°	8750.8	9077.7	9182.3	8715.9	7842.2	7022.1	6381.5	6073.3	5904.4	5824.0	5848.1
20°	9088.5	9412.8	9327.0	8485.4	7247.2	6319.8	5749.0	5580.1	5545.3	5564.0	5556.0
22.5°	9444.9	9734.4	9356.5	8040.5	6488.7	5601.6	5288.0	5293.3	5371.1	5427.4	5440.8
25°	9809.4	10005.1	9278.8	7397.3	5673.9	5073.6	4995.8	5081.6	5234.4	5344.3	5373.7
27.5°	10160.5	10246.3	9109.9	6601.3	4974.4	4695.7	4709.1	4886.0	5116.5	5269.2	5306.7
30°	10557.2	10460.7	8785.6	5706.1	4489.3	4371.4	4483.9	4690.3	4920.8	5057.5	5089.6
32.5°	11004.8	10645.6	8271.0	4877.9	4146.2	4111.4	4296.3	4430.3	4532.2	4572.4	4593.8
35°	11562.3	10905.6	7611.7	4296.3	3838.0	3921.1	4098.0	4031.0	3990.8	3969.3	3990.8
37.5°	12285.9	11256.7	6839.8	3918.4	3588.8	3784.4	3856.8	3647.7	3489.6	3411.9	3430.6
40°	13157.0	11771.3	6097.4	3626.3	3430.6	3666.5	3540.5	3288.6	3087.6	2977.7	2985.7
42.5°	14124.5	12310.0	5472.9	3406.5	3342.2	3570.0	3307.3	3007.2	2682.9	2648.0	2682.9
45°	15140.3	12864.8	5046.8	3237.6	3299.3	3486.9	3173.3	2688.2	2457.7	2599.8	2674.8
47.5°	16156.1	13374.1	4789.5	3111.7	3277.9	3393.1	3055.4	2511.3	2347.8	2554.2	2650.7
50°	17287.1	13829.7	4674.2	3020.6	3253.7	3355.6	2878.5	2465.8	2232.6	2369.3	2471.1
52.5°	18410.1	14183.5	4588.5	2929.4	3218.9	3326.1	2792.7	2412.2	2093.2	2101.3	2157.5
55°	19530.4	14414.0	4494.7	2808.8	3141.2	3261.8	2784.7	2353.2	1988.7	1951.2	1978.0
57.5°	20725.8	14545.3	4379.4	2674.8	3007.2	3098.3	2776.7	2307.6	1956.5	1894.9	1902.9
60°	21942.6	14738.3	4229.3	2511.3	2827.6	2902.6	2757.9	2291.5	1937.8	1833.2	1841.3
62.5°	23033.4	14805.3	4049.7	2355.9	2597.1	2709.7	2717.7	2278.1	1886.8	1707.3	1707.3
65°	23749.0	14515.8	3736.2	2179.0	2347.8	2511.3	2640.0	2232.6	1795.7	1616.1	1616.1
67.5°	23719.5	13690.3	3245.7	1951.2	2106.6	2291.5	2527.4	2154.9	1685.8	1503.6	1511.6
70°	22615.3	12060.8	2623.9	1685.8	1841.3	2055.7	2382.7	2039.6	1554.5	1380.3	1396.4
72.5°	19396.4	9439.6	1905.6	1374.9	1533.1	1811.8	2195.1	1900.2	1420.5	1270.4	1262.4
75°	13856.5	5974.1	1291.8	1056.0	1192.7	1535.7	1961.9	1736.8	1297.2	1275.8	1203.4
77.5°	7078.3	2854.4	855.0	771.9	830.9	1211.4	1648.3	1551.8	1316.0	1053.3	938.1
80°	2302.3	1053.3	538.7	525.3	552.1	806.7	1275.8	1273.1	997.0	715.6	632.5
82.5°	734.4	452.9	351.1	337.7	324.3	506.6	889.8	1007.7	672.7	452.9	450.3
85°	292.1	270.7	206.4	190.3	136.7	238.5	466.4	670.0	501.2	327.0	335.0
87.5°	107.2	107.2	56.3	40.2	29.5	80.4	126.0	201.0	286.8	168.9	166.2
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)