

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: P940582

Luminaire Tested: **GALN-SB3D-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
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-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25002 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

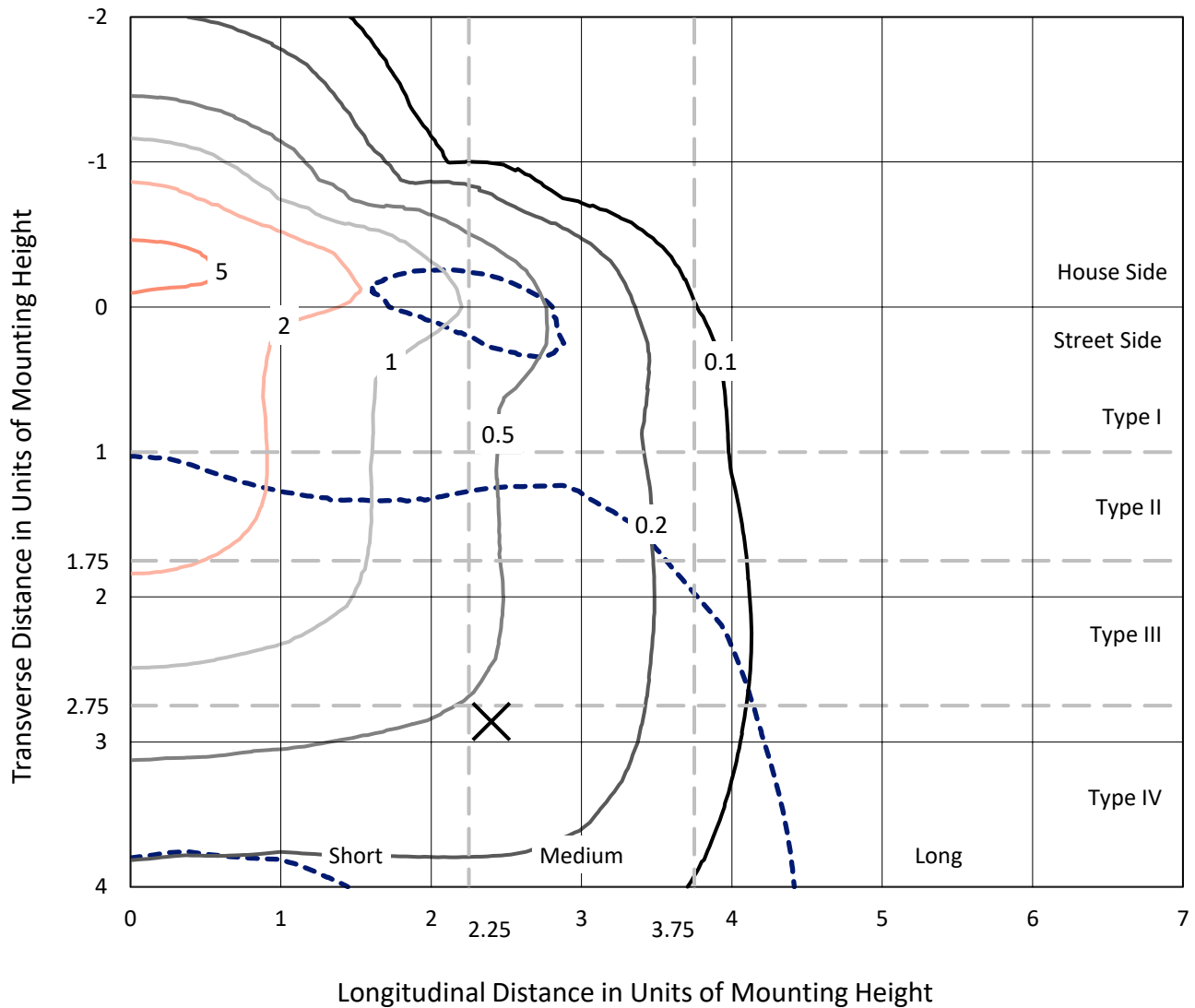
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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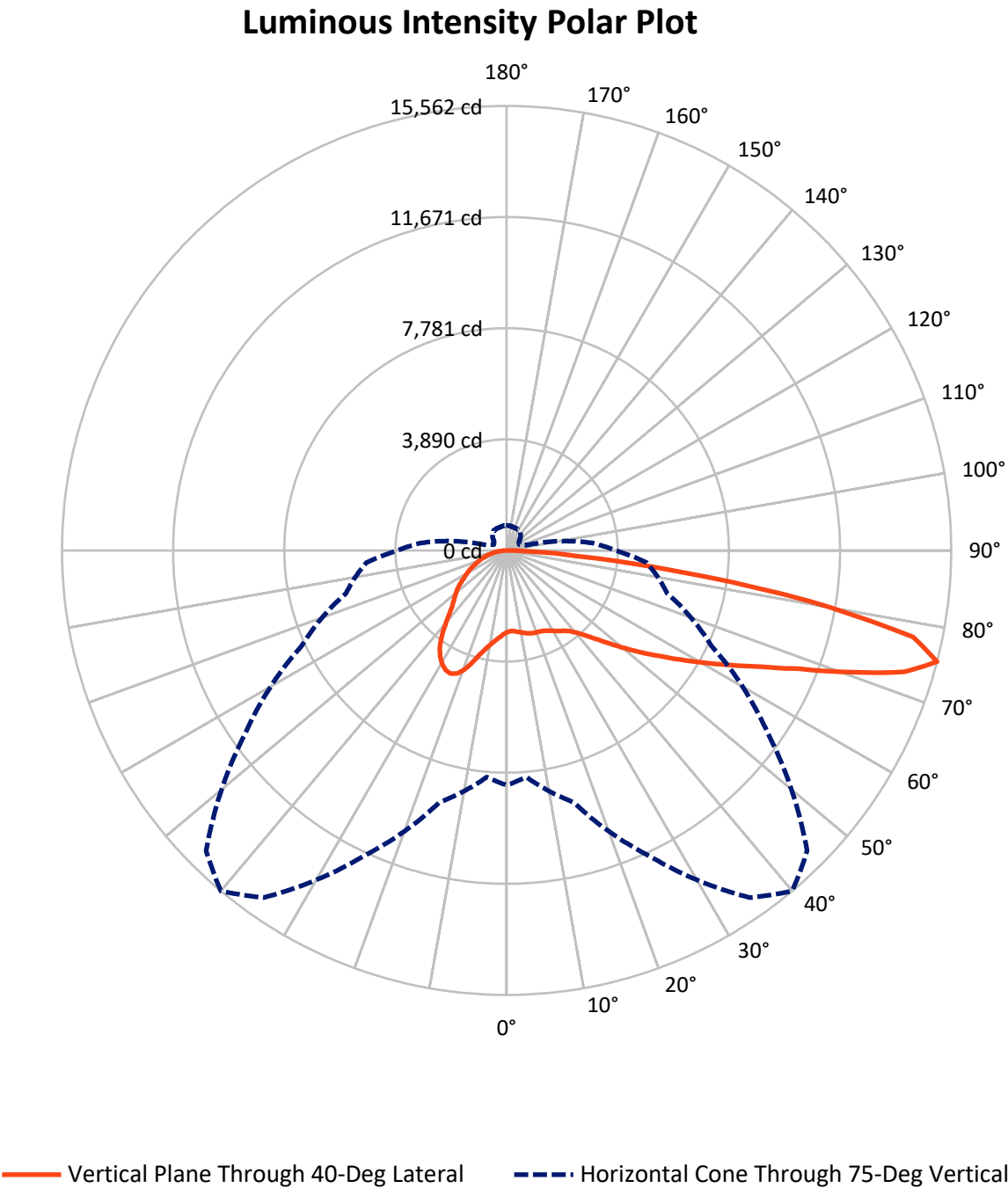
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7746.5	0.0	7746.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	17255.5	0.0	17255.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	25002.0	0.0	25002.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.4	1.1
10°-20°	958.2	3.8
20°-30°	1749.5	7.0
30°-40°	2481.3	9.9
40°-50°	3350.5	13.4
50°-60°	4507.4	18.0
60°-70°	5720.9	22.9
70°-80°	5192.0	20.8
80°-90°	756.8	3.0
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°	25002.0	100.0
0°-180°	25002.0	100.0

Coefficient of Utilization



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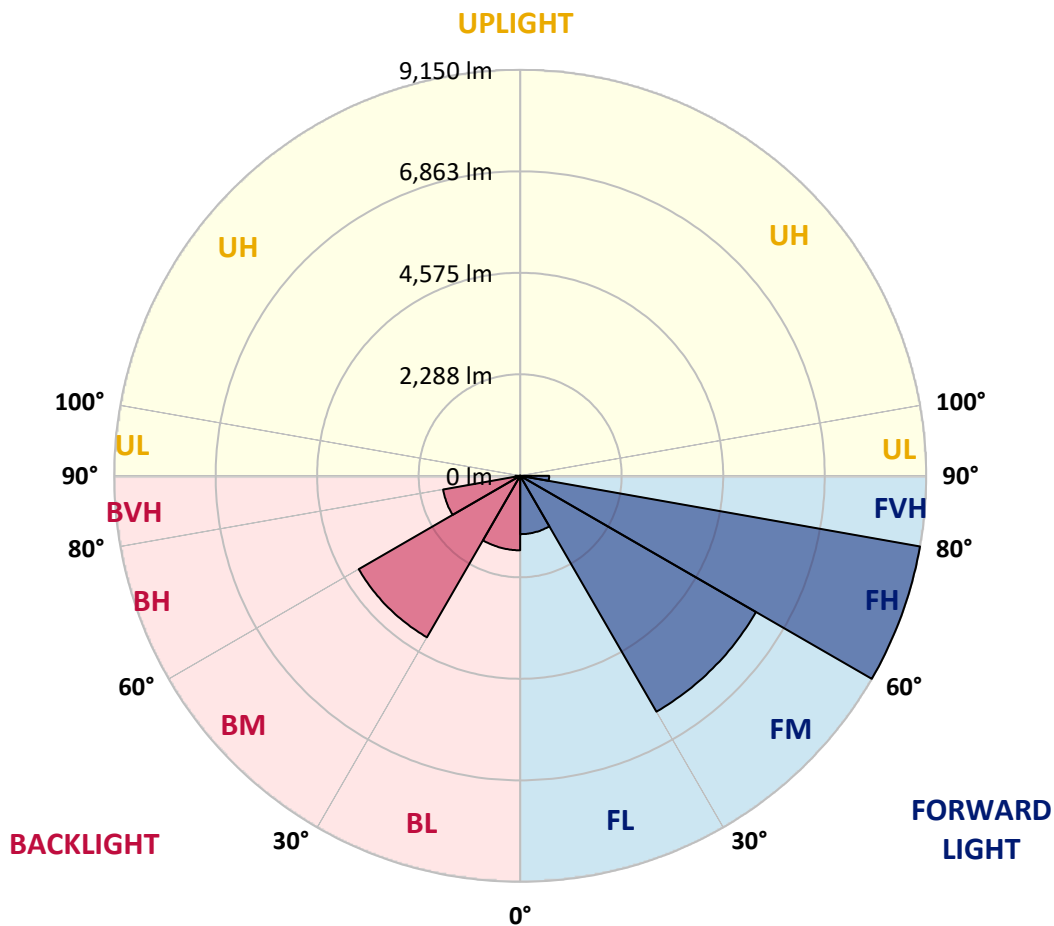
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1315.1	5.3			
FM	(30°-60°)	6137.4	24.5			
FH	(60°-80°)	9150.3	36.6			G4/12000
FVH	(80°-90°)	652.6	2.6			G4/750
BL	(0°-30°)	1678.0	6.7	B3/2500		
BM	(30°-60°)	4201.8	16.8	B3/5000		
BH	(60°-80°)	1762.5	7.0	B3/2500		G3/2500
BVH	(80°-90°)	104.2	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0
2.5°	2815.3	2831.2	2827.2	2821.9	2821.9	2823.2	2821.9	2831.2	2840.4	2849.7	2864.3
5°	2844.4	2860.3	2852.4	2845.8	2840.4	2839.1	2835.1	2833.8	2839.1	2851.1	2870.9
7.5°	2901.4	2917.4	2905.4	2893.5	2882.9	2877.6	2872.3	2864.3	2860.3	2867.0	2894.8
10°	2965.1	2981.0	2966.4	2945.2	2928.0	2921.3	2916.0	2908.1	2902.8	2906.8	2937.3
12.5°	3028.7	3044.7	3024.8	2995.6	2973.1	2969.1	2962.4	2959.8	2958.5	2957.1	2987.6
15°	3088.4	3101.7	3076.5	3042.0	3018.1	3011.5	3004.9	3008.9	3015.5	3023.4	3057.9
17.5°	3134.8	3148.1	3111.0	3065.9	3043.3	3040.7	3036.7	3050.0	3068.5	3088.4	3130.9
20°	3177.3	3190.5	3142.8	3081.8	3055.3	3055.3	3056.6	3084.4	3111.0	3140.1	3198.5
22.5°	3236.9	3247.6	3189.2	3105.7	3067.2	3069.9	3080.5	3108.3	3141.5	3181.2	3262.1
25°	3325.8	3333.7	3262.1	3150.7	3107.0	3114.9	3124.2	3137.5	3169.3	3215.7	3324.5
27.5°	3469.0	3475.6	3381.5	3230.3	3164.0	3177.3	3190.5	3181.2	3195.8	3235.6	3374.9
30°	3670.6	3674.5	3555.2	3355.0	3260.8	3267.4	3270.1	3231.6	3203.8	3235.6	3410.7
32.5°	3909.3	3907.9	3766.0	3506.1	3370.9	3364.2	3341.7	3266.1	3201.1	3229.0	3442.5
35°	4279.2	4264.6	4081.7	3718.3	3495.5	3454.4	3401.4	3304.6	3214.4	3222.4	3470.3
37.5°	4891.9	4846.8	4593.5	4065.7	3681.2	3576.4	3498.2	3366.9	3243.6	3219.7	3503.5
40°	5582.8	5525.7	5247.3	4541.8	3959.7	3791.2	3665.3	3455.7	3291.3	3231.6	3552.5
42.5°	6402.3	6321.4	6021.7	5102.7	4312.4	4068.4	3878.8	3568.5	3361.6	3270.1	3618.9
45°	7408.8	7301.4	6877.0	5735.3	4756.6	4431.7	4178.5	3739.5	3469.0	3344.4	3718.3
47.5°	8425.9	8452.4	7849.0	6459.3	5289.7	4879.9	4553.7	3996.8	3625.5	3463.7	3878.8
50°	9506.6	9525.2	8815.7	7261.6	5894.4	5386.5	4975.4	4284.5	3843.0	3633.4	4118.8
52.5°	10350.0	10352.6	9693.6	8101.0	6524.3	5943.5	5430.3	4613.4	4094.9	3858.9	4438.4
55°	10877.8	10871.1	10308.9	8895.3	7248.3	6528.3	5934.2	4987.4	4402.6	4124.1	4840.2
57.5°	11261.0	11241.1	10733.2	9578.2	8020.1	7219.1	6504.4	5411.7	4765.9	4439.7	5369.3
60°	11406.9	11394.9	11021.0	10168.3	8831.6	7983.0	7162.1	5886.4	5178.3	4812.3	6049.5
62.5°	11462.6	11485.1	11303.4	10739.9	9700.2	8829.0	7884.8	6454.0	5642.4	5234.0	6766.9
65°	11658.8	11699.9	11662.8	11487.8	10681.5	9819.6	8843.6	7129.0	6149.0	5686.2	7516.2
67.5°	12047.4	12088.5	12104.4	12382.9	11880.3	11054.1	10039.7	7969.7	6741.8	6155.6	8079.8
70°	12038.1	12026.2	12307.3	13095.0	13381.4	12763.4	11652.2	9004.0	7448.5	6545.5	8151.4
72.5°	10957.3	10861.9	11526.2	13087.0	14630.6	14548.3	13621.4	10338.1	8058.5	6593.2	7073.3
75°	8220.3	7965.7	9139.3	11794.1	14838.7	15561.5	14873.2	11165.5	7914.0	5825.4	4922.4
77.5°	3515.4	3259.5	4642.6	8730.9	13280.6	14547.0	13724.8	9741.3	6317.4	3852.2	2417.4
80°	920.3	919.0	1403.0	3958.3	9031.9	10742.5	9424.4	6290.9	3609.6	1376.5	667.0
82.5°	380.6	371.3	515.8	1539.6	4413.2	6028.3	4919.7	2806.0	1303.5	372.6	221.5
85°	141.9	140.6	250.6	531.8	1556.8	2486.4	1799.5	717.4	324.9	181.7	99.5
87.5°	39.8	38.5	54.4	184.3	379.3	575.5	307.6	118.0	91.5	71.6	29.2
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°	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0
2.5°	2868.3	2874.9	2886.9	2896.1	2908.1	2921.3	2939.9	2951.8	2963.8	2971.7	2966.4
5°	2880.2	2894.8	2925.3	2955.8	2991.6	3024.8	3063.2	3091.1	3113.6	3120.2	3122.9
7.5°	2906.8	2930.6	2982.3	3034.1	3091.1	3145.4	3201.1	3248.9	3287.3	3301.9	3303.2
10°	2953.2	2985.0	3057.9	3130.9	3206.4	3290.0	3361.6	3430.5	3484.9	3507.5	3508.8
12.5°	3011.5	3051.3	3146.8	3247.6	3352.3	3467.7	3560.5	3645.4	3713.0	3743.5	3743.5
15°	3087.1	3138.8	3260.8	3396.1	3549.9	3710.4	3828.4	3922.5	3998.1	4035.2	4032.6
17.5°	3169.3	3238.3	3392.1	3596.3	3816.4	4027.3	4165.2	4234.1	4312.4	4348.2	4346.9
20°	3248.9	3333.7	3553.9	3850.9	4144.0	4368.1	4479.5	4498.0	4503.3	4507.3	4517.9
22.5°	3331.1	3445.1	3756.8	4171.8	4486.1	4641.3	4657.2	4577.6	4466.2	4414.5	4429.1
25°	3421.3	3572.4	4022.0	4525.9	4780.5	4799.1	4677.1	4483.5	4272.6	4175.8	4190.4
27.5°	3508.8	3719.6	4340.2	4864.0	4992.7	4829.6	4567.0	4292.5	4037.9	3935.8	3947.7
30°	3596.3	3888.0	4691.6	5159.7	5089.5	4754.0	4393.3	4087.0	3831.0	3723.6	3735.5
32.5°	3685.2	4084.3	5096.1	5373.2	5072.2	4593.5	4177.1	3856.2	3630.8	3518.1	3532.7
35°	3785.9	4325.6	5479.3	5489.9	4956.9	4357.5	3892.0	3580.4	3384.1	3294.0	3313.9
37.5°	3917.2	4632.0	5817.5	5519.1	4755.3	4011.4	3538.0	3254.2	3092.4	3051.3	3080.5
40°	4080.3	5000.6	6076.1	5472.7	4456.9	3591.0	3150.7	2924.0	2832.5	2841.8	2873.6
42.5°	4292.5	5413.0	6257.7	5353.4	4041.9	3157.4	2811.3	2710.5	2754.3	2791.4	2825.9
45°	4568.3	5841.3	6370.5	5150.5	3572.4	2790.1	2611.0	2634.9	2668.1	2672.0	2698.6
47.5°	4921.1	6275.0	6444.7	4844.1	3093.7	2531.5	2483.7	2489.0	2482.4	2454.6	2475.8
50°	5361.3	6696.7	6511.0	4438.4	2686.6	2369.7	2306.0	2287.5	2196.0	2105.8	2117.7
52.5°	5862.6	7083.9	6538.9	3934.5	2369.7	2234.4	2131.0	2014.3	1843.2	1815.4	1824.7
55°	6419.5	7441.9	6467.3	3315.2	2103.2	2060.7	1904.2	1763.7	1745.1	1721.2	1725.2
57.5°	7085.2	7827.8	6321.4	2624.3	1830.0	1857.8	1705.3	1721.2	1688.1	1651.0	1644.3
60°	7813.2	8227.0	6065.5	1994.4	1547.5	1604.5	1653.6	1652.3	1643.0	1612.5	1601.9
62.5°	8468.3	8489.5	5561.5	1527.6	1299.6	1408.3	1542.2	1540.9	1532.9	1515.7	1509.1
65°	8858.2	8449.7	4720.8	1202.7	1095.3	1246.5	1391.0	1401.7	1403.0	1401.7	1401.7
67.5°	8789.2	7984.3	3567.1	957.4	926.9	1082.1	1241.2	1255.8	1266.4	1269.1	1271.7
70°	8009.5	6961.9	2325.9	763.8	777.1	937.5	1099.3	1113.9	1123.2	1133.8	1139.1
72.5°	6243.1	5118.6	1331.4	617.9	645.8	812.9	958.8	976.0	981.3	1001.2	1009.1
75°	3804.5	3010.2	718.7	486.7	530.4	694.9	819.5	839.4	848.7	872.6	875.2
77.5°	1808.8	1303.5	409.8	379.3	427.0	567.6	692.2	714.8	689.6	702.8	692.2
80°	611.3	484.0	258.6	289.1	326.2	442.9	554.3	576.8	523.8	521.1	515.8
82.5°	213.5	196.3	164.4	192.3	210.8	316.9	419.0	448.2	389.9	388.5	370.0
85°	83.5	79.6	91.5	104.8	126.0	194.9	275.8	290.4	240.0	193.6	191.0
87.5°	17.2	18.6	22.5	23.9	38.5	67.6	99.5	122.0	96.8	82.2	75.6
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)