

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: P948408

Luminaire Tested: **GALN-SB3C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
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-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18141 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

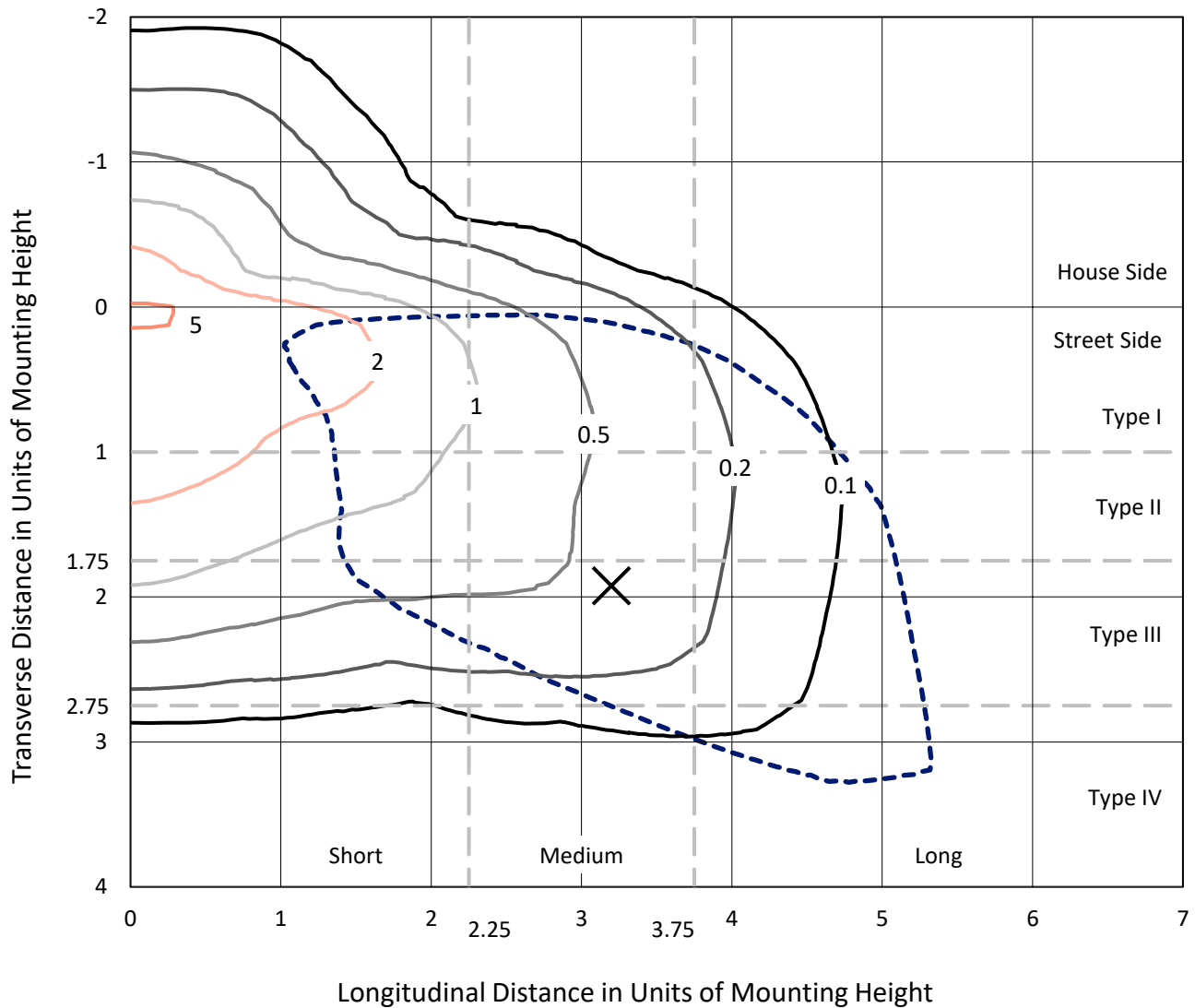
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

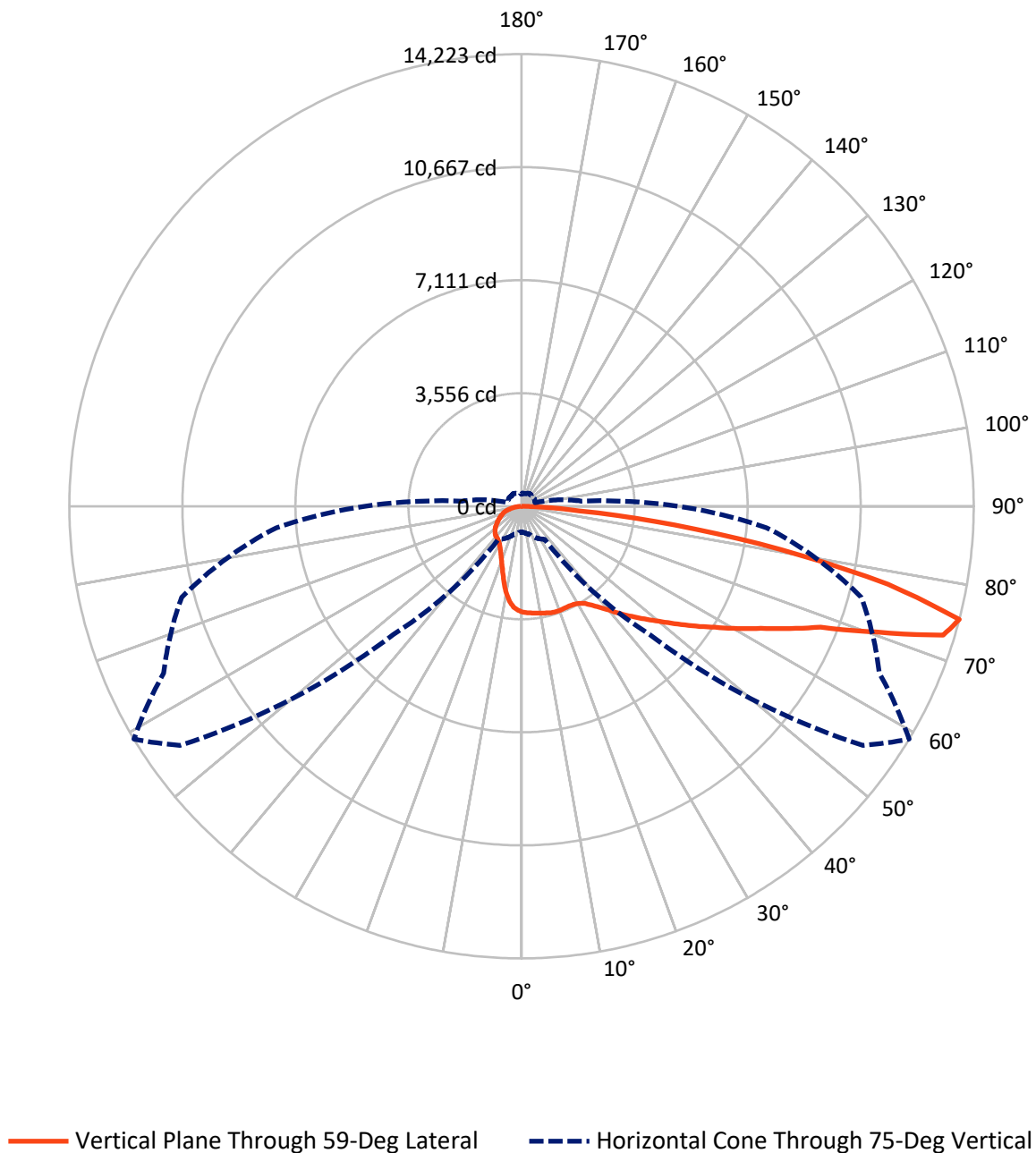


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3402.5	0.0	3402.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	14738.5	0.0	14738.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	18141.0	0.0	18141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.6	1.6
10°-20°	763.1	4.2
20°-30°	1159.2	6.4
30°-40°	1723.1	9.5
40°-50°	2562.5	14.1
50°-60°	3478.3	19.2
60°-70°	4246.4	23.4
70°-80°	3332.5	18.4
80°-90°	577.3	3.2
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°	18141.0	100.0
0°-180°	18141.0	100.0

Coefficient of Utilization



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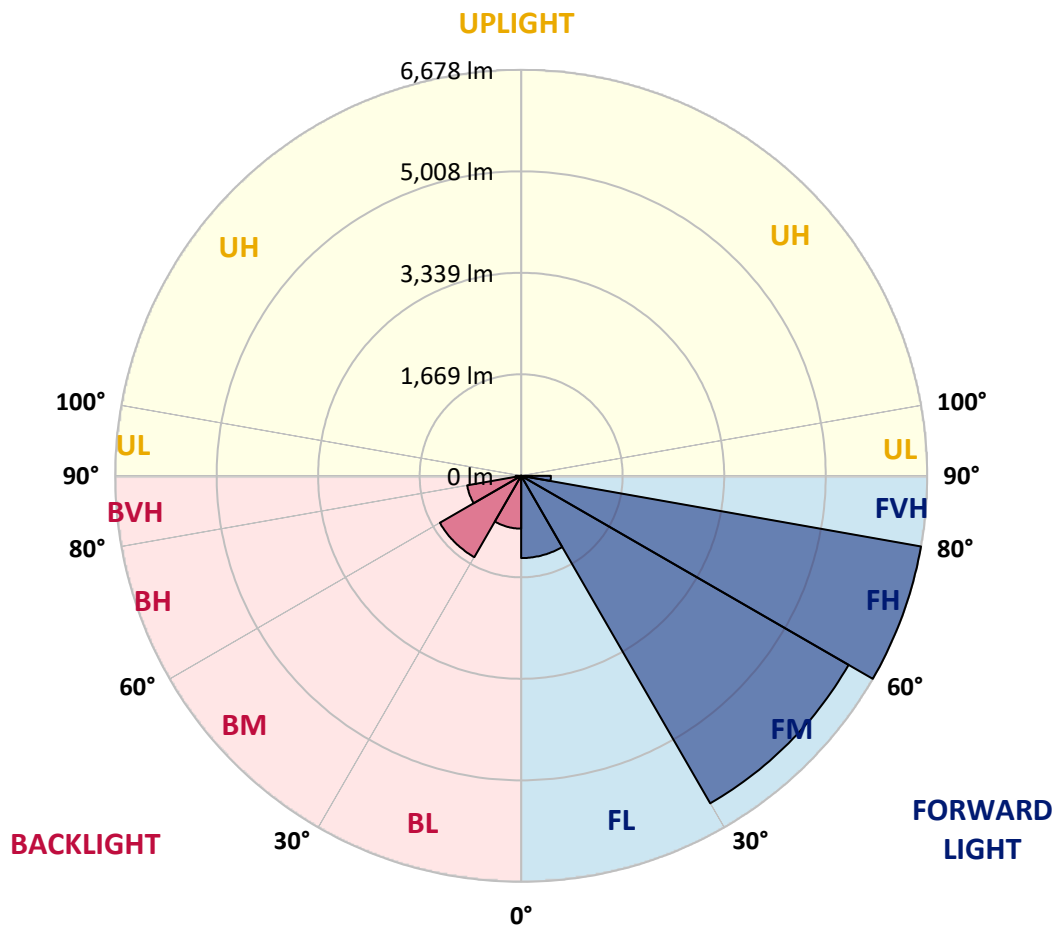
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1352.6	7.5			
FM	(30°-60°)	6219.5	34.3			
FH	(60°-80°)	6677.5	36.8			G3/7500
FVH	(80°-90°)	488.9	2.7			G3/500
BL	(0°-30°)	868.3	4.8	B2/1000		
BM	(30°-60°)	1544.4	8.5	B2/2500		
BH	(60°-80°)	901.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	88.4	0.5			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7
2.5°	3358.0	3346.3	3358.0	3353.2	3351.2	3347.3	3348.3	3355.1	3351.2	3356.1	3339.5
5°	3335.6	3328.8	3340.5	3337.5	3350.2	3352.2	3364.9	3372.7	3377.6	3378.5	3365.8
7.5°	3298.5	3291.7	3308.3	3321.9	3349.3	3357.1	3383.4	3396.1	3402.9	3414.6	3396.1
10°	3162.9	3159.9	3200.9	3252.6	3317.1	3357.1	3397.1	3418.5	3429.3	3460.5	3439.0
12.5°	2922.8	2926.7	2980.4	3079.9	3208.7	3337.5	3412.7	3443.9	3460.5	3499.5	3489.8
15°	2693.5	2692.5	2751.0	2857.4	3037.9	3251.7	3420.5	3474.2	3502.5	3560.1	3552.2
17.5°	2560.7	2556.8	2597.8	2678.8	2846.7	3119.9	3401.0	3490.8	3551.3	3623.5	3616.7
20°	2536.3	2528.5	2550.0	2590.0	2709.1	2975.5	3350.2	3490.8	3590.3	3684.0	3680.1
22.5°	2625.1	2612.5	2603.7	2598.8	2651.5	2856.4	3292.7	3479.1	3647.9	3770.8	3764.0
25°	2803.7	2784.2	2739.3	2695.4	2679.8	2802.8	3241.9	3476.1	3733.8	3887.9	3862.6
27.5°	3092.6	3068.2	2977.4	2872.0	2777.4	2830.1	3219.5	3493.7	3828.4	4011.9	3961.1
30°	3450.8	3424.4	3310.2	3148.2	2978.4	2931.6	3247.8	3545.4	3949.4	4176.8	4077.3
32.5°	3771.8	3742.5	3645.0	3480.0	3250.7	3107.2	3337.5	3644.0	4139.7	4406.1	4252.0
35°	4056.8	4022.6	3934.8	3782.6	3584.4	3354.1	3499.5	3818.7	4410.1	4778.9	4489.1
37.5°	4335.9	4295.9	4200.2	4039.2	3900.6	3683.0	3723.0	4043.1	4769.2	5231.8	4803.3
40°	4648.2	4590.6	4474.5	4315.4	4180.7	4068.5	4016.8	4318.3	5134.2	5737.3	5195.6
42.5°	4950.7	4896.0	4757.5	4621.8	4453.0	4420.8	4357.4	4640.4	5533.3	6292.5	5593.8
45°	5276.6	5211.3	5043.4	4871.6	4765.3	4655.0	4687.2	4962.4	5924.6	6858.6	6011.5
47.5°	5582.1	5508.9	5310.8	5119.5	5061.0	4852.1	4989.7	5316.7	6331.6	7432.4	6425.3
50°	5747.0	5674.8	5509.9	5337.1	5291.3	5095.1	5317.6	5706.0	6758.0	8004.3	6822.5
52.5°	5884.6	5806.6	5590.9	5495.2	5481.6	5359.6	5721.6	6151.0	7184.5	8509.8	7206.0
55°	6031.0	5944.2	5669.0	5583.1	5645.5	5656.3	6200.8	6655.6	7635.4	9002.6	7568.0
57.5°	6199.8	6089.6	5744.1	5657.2	5805.6	6003.7	6751.2	7178.7	8078.4	9459.3	7890.1
60°	6358.9	6247.7	5888.5	5775.3	5978.3	6406.7	7382.6	7812.0	8580.0	9866.3	8194.6
62.5°	6390.1	6298.4	6003.7	6002.7	6212.5	6877.1	8130.1	8451.2	9018.2	10268.3	8467.8
65°	5849.5	5791.9	5617.2	5993.9	6548.2	7554.4	8962.6	9269.0	9575.4	10619.6	8707.9
67.5°	4452.0	4459.8	4447.1	5174.2	6276.9	8527.3	10167.8	10144.4	10263.4	11013.9	8984.1
70°	2035.7	2081.6	2380.2	3571.8	5028.8	8639.6	12160.6	11857.1	11127.1	11524.3	9223.1
72.5°	1099.8	1135.0	1256.9	1730.3	3023.3	7681.2	13649.8	13865.5	12275.7	11867.8	8960.6
75°	807.1	826.6	911.5	1099.8	1269.6	5709.0	13116.0	14222.6	12419.2	11066.6	7737.8
77.5°	604.1	612.9	682.1	871.5	649.9	3009.6	10480.1	11779.0	10631.4	9092.4	5715.8
80°	438.2	447.9	499.7	653.8	455.7	1100.8	7196.2	8267.7	7281.1	5795.8	2848.6
82.5°	302.5	306.4	328.9	445.0	318.1	427.4	4083.1	4848.2	4064.6	2033.8	769.0
85°	182.5	187.4	197.1	259.6	180.5	203.0	1762.5	1823.0	1215.0	486.0	239.1
87.5°	75.1	80.0	87.8	109.3	71.2	56.6	290.8	365.0	227.4	142.5	74.2
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°	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7	3329.7
2.5°	3334.6	3327.8	3309.2	3283.9	3260.5	3231.2	3218.5	3207.8	3198.0	3179.5	3170.7
5°	3355.1	3336.6	3286.8	3222.4	3149.2	3069.2	2991.1	2937.4	2891.6	2857.4	2829.1
7.5°	3386.3	3351.2	3260.5	3128.7	2960.9	2789.1	2633.9	2523.7	2440.7	2410.5	2357.8
10°	3418.5	3376.6	3218.5	2986.2	2696.4	2431.9	2226.0	2112.8	2046.4	2025.0	1991.8
12.5°	3456.6	3395.1	3153.1	2788.1	2400.7	2110.9	1931.3	1864.9	1830.8	1819.1	1822.0
15°	3512.2	3410.7	3054.5	2540.2	2118.7	1876.6	1760.5	1714.6	1697.1	1696.1	1700.0
17.5°	3554.2	3413.7	2901.3	2274.8	1902.0	1735.1	1639.5	1621.9	1633.6	1651.2	1658.0
20°	3601.0	3387.3	2700.3	2032.8	1749.8	1611.2	1571.2	1582.9	1611.2	1636.6	1645.4
22.5°	3634.2	3339.5	2457.3	1844.4	1618.0	1540.0	1538.0	1562.4	1578.0	1590.7	1597.5
25°	3663.5	3258.5	2199.7	1686.3	1509.7	1497.0	1518.5	1510.7	1499.9	1510.7	1517.5
27.5°	3685.0	3130.7	1969.3	1547.8	1433.6	1467.7	1455.1	1437.5	1436.5	1442.4	1452.1
30°	3678.1	2959.9	1780.0	1416.0	1379.9	1413.1	1382.8	1379.9	1377.0	1379.9	1390.6
32.5°	3678.1	2765.7	1634.6	1325.3	1345.8	1333.1	1330.1	1323.3	1311.6	1310.6	1323.3
35°	3698.6	2571.5	1509.7	1276.5	1317.5	1287.2	1289.2	1272.6	1248.2	1236.5	1248.2
37.5°	3740.6	2415.3	1385.8	1253.0	1267.7	1266.7	1258.9	1230.6	1187.7	1150.6	1163.3
40°	3842.1	2369.5	1300.9	1242.3	1244.3	1256.0	1235.5	1180.8	1083.2	1022.7	1030.5
42.5°	4001.2	2446.6	1282.3	1216.0	1228.6	1240.4	1200.3	1073.5	1004.2	968.1	968.1
45°	4203.2	2581.2	1322.3	1177.9	1191.6	1212.1	1093.0	1032.5	1001.3	1002.2	1007.1
47.5°	4458.8	2722.7	1396.5	1144.7	1137.9	1149.6	1021.8	984.7	941.7	952.5	979.8
50°	4754.5	2866.2	1466.8	1099.8	1078.4	1040.3	975.9	940.8	886.1	860.7	867.6
52.5°	5074.6	3004.8	1495.1	1045.2	1014.0	970.0	944.7	901.7	835.4	793.4	792.4
55°	5378.1	3130.7	1463.8	979.8	949.5	915.4	911.5	885.1	813.9	755.3	755.3
57.5°	5665.0	3236.1	1385.8	913.4	884.2	863.7	890.0	877.3	787.5	712.4	708.5
60°	5908.0	3308.3	1272.6	846.1	825.6	814.9	854.9	851.0	750.5	666.5	663.6
62.5°	6101.3	3336.6	1147.6	781.7	776.8	757.3	806.1	806.1	703.6	621.6	618.7
65°	6252.5	3309.2	1020.8	718.3	728.0	698.7	746.6	740.7	653.8	581.6	577.7
67.5°	6386.2	3219.5	880.3	655.8	678.2	641.2	684.1	670.4	599.2	541.6	537.7
70°	6445.8	3010.6	720.2	593.3	620.7	584.6	621.6	596.3	537.7	498.7	490.9
72.5°	5967.6	2502.2	567.0	528.0	551.4	522.1	554.3	525.0	471.4	453.8	439.2
75°	4937.0	1877.6	436.2	456.7	474.3	451.8	473.3	451.8	403.0	415.7	379.6
77.5°	3585.4	1267.7	333.8	381.6	389.4	377.7	396.2	371.8	327.9	325.0	310.3
80°	1783.0	742.7	261.5	301.6	298.6	290.8	312.3	300.6	263.5	279.1	276.2
82.5°	516.2	318.1	190.3	211.8	205.9	207.9	223.5	229.3	343.5	340.6	348.4
85°	162.0	124.9	114.2	118.1	112.2	115.2	131.7	261.5	242.0	141.5	153.2
87.5°	42.0	42.9	28.3	30.3	31.2	37.1	42.0	159.1	76.1	49.8	52.7
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)