

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: P951978

Luminaire Tested: **GALN-SB6A-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951978
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-SB6A-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21962 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

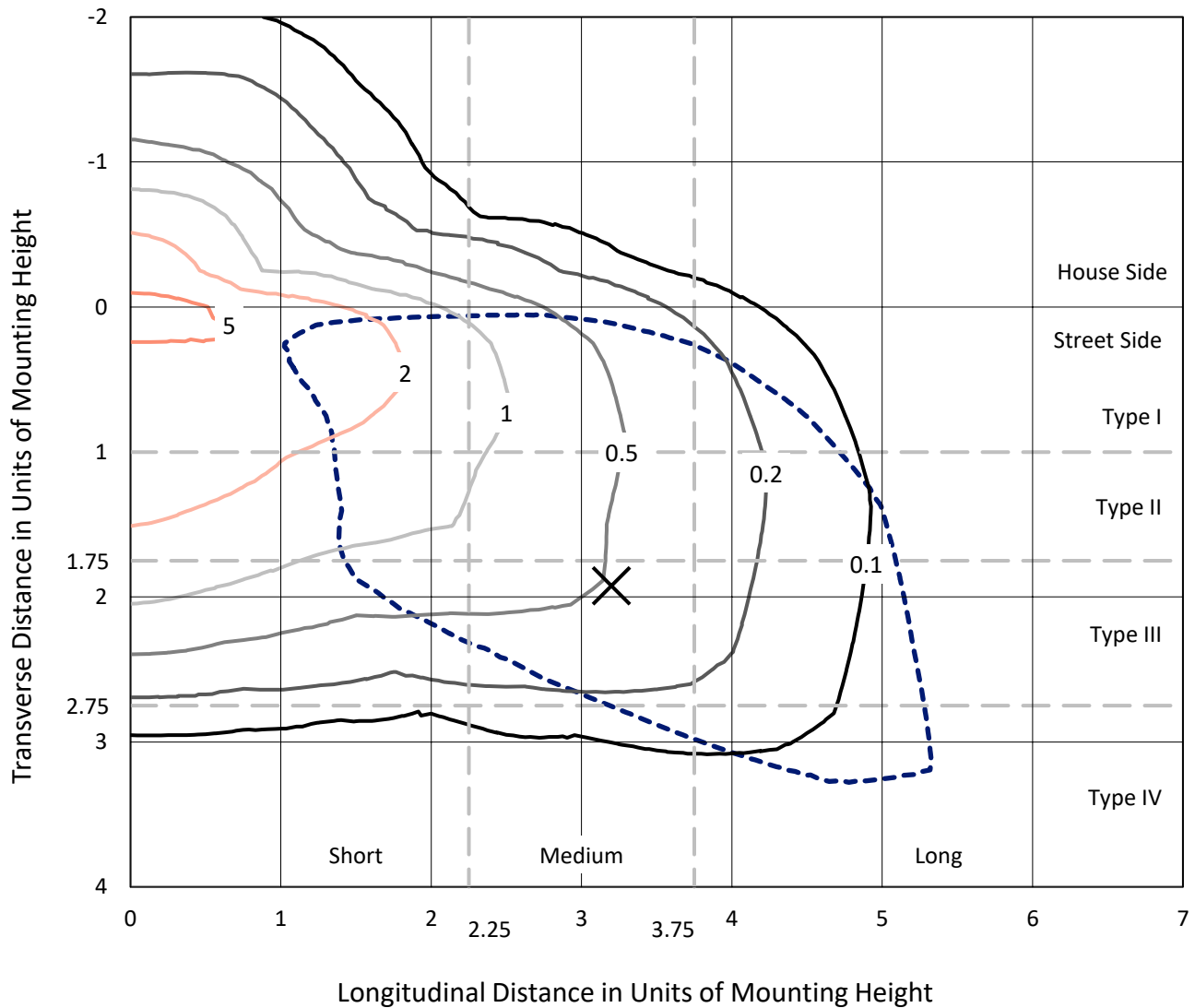
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

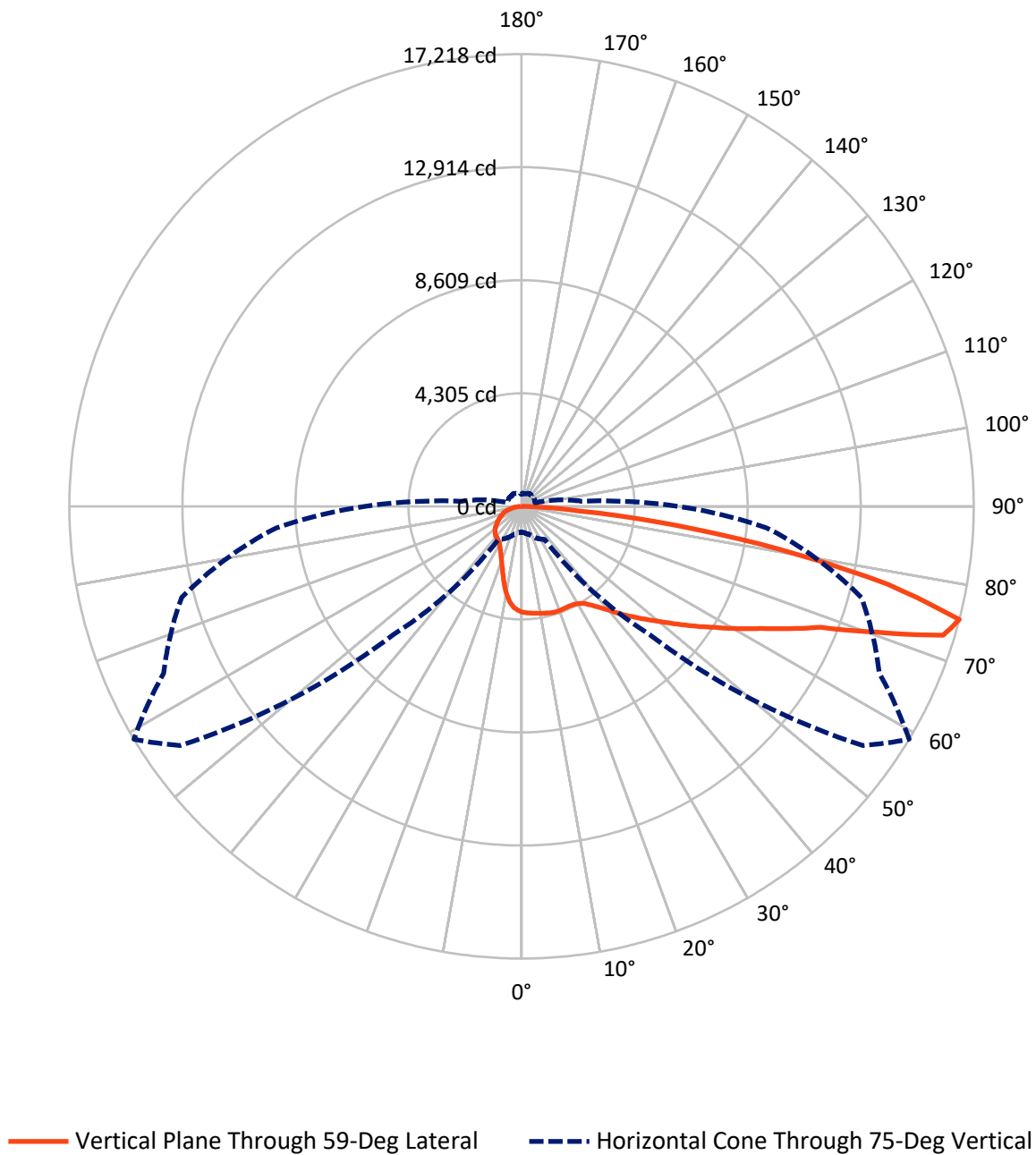


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4119.1	0.0	4119.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	17842.9	0.0	17842.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	21962.0	0.0	21962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.4	1.6
10°-20°	923.9	4.2
20°-30°	1403.3	6.4
30°-40°	2086.0	9.5
40°-50°	3102.2	14.1
50°-60°	4210.9	19.2
60°-70°	5140.8	23.4
70°-80°	4034.5	18.4
80°-90°	698.9	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°	21962.0	100.0
0°-180°	21962.0	100.0

Coefficient of Utilization



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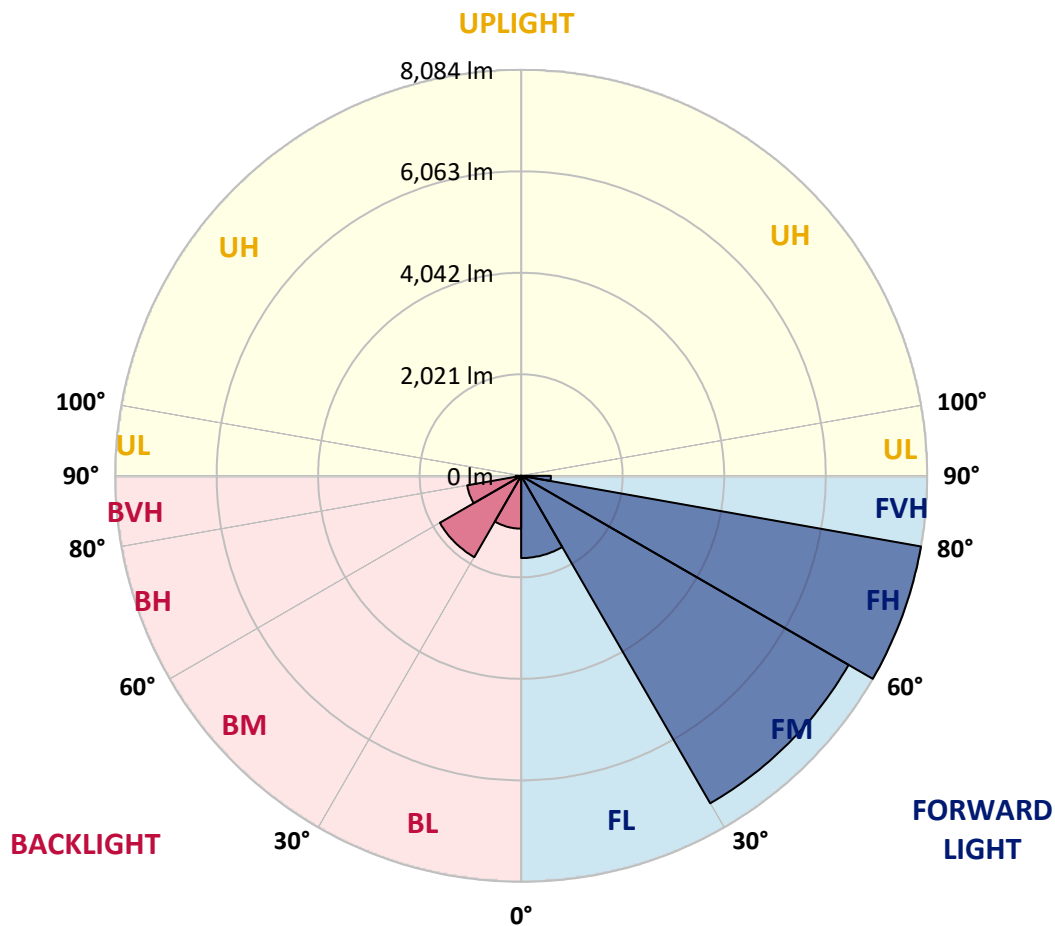
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1637.5	7.5			
FM	(30°-60°)	7529.5	34.3			
FH	(60°-80°)	8084.0	36.8			G4/12000
FVH	(80°-90°)	591.9	2.7			G4/750
BL	(0°-30°)	1051.2	4.8	B3/2500		
BM	(30°-60°)	1869.7	8.5	B2/2500		
BH	(60°-80°)	1091.3	5.0	B3/2500		G3/2500
BVH	(80°-90°)	107.0	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-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1
2.5°	4065.3	4051.2	4065.3	4059.4	4057.1	4052.3	4053.5	4061.8	4057.1	4063.0	4042.9
5°	4038.2	4029.9	4044.1	4040.5	4055.9	4058.2	4073.6	4083.1	4089.0	4090.1	4074.8
7.5°	3993.3	3985.0	4005.1	4021.6	4054.7	4064.2	4096.1	4111.4	4119.7	4133.9	4111.4
10°	3829.0	3825.5	3875.1	3937.7	4015.7	4064.2	4112.6	4138.6	4151.6	4189.4	4163.4
12.5°	3538.4	3543.1	3608.1	3728.6	3884.6	4040.5	4131.5	4169.3	4189.4	4236.6	4224.8
15°	3260.8	3259.6	3330.5	3459.3	3677.8	3936.6	4141.0	4205.9	4240.2	4309.9	4300.4
17.5°	3100.1	3095.4	3145.0	3243.1	3446.3	3777.1	4117.3	4226.0	4299.3	4386.7	4378.4
20°	3070.6	3061.1	3087.1	3135.5	3279.7	3602.2	4055.9	4226.0	4346.5	4459.9	4455.2
22.5°	3178.1	3162.7	3152.1	3146.2	3210.0	3458.1	3986.2	4211.8	4416.2	4565.1	4556.8
25°	3394.3	3370.7	3316.3	3263.1	3244.2	3393.1	3924.7	4208.3	4520.2	4706.9	4676.1
27.5°	3744.0	3714.5	3604.6	3477.0	3362.4	3426.2	3897.6	4229.6	4634.8	4856.9	4795.5
30°	4177.6	4145.7	4007.4	3811.3	3605.8	3549.0	3931.8	4292.2	4781.3	5056.6	4936.1
32.5°	4566.3	4530.8	4412.7	4213.0	3935.4	3761.7	4040.5	4411.5	5011.7	5334.2	5147.5
35°	4911.2	4869.9	4763.6	4579.3	4339.4	4060.6	4236.6	4623.0	5338.9	5785.5	5434.6
37.5°	5249.1	5200.7	5084.9	4890.0	4722.2	4458.8	4507.2	4894.7	5773.7	6333.7	5815.1
40°	5627.2	5557.5	5416.9	5224.3	5061.3	4925.4	4862.8	5227.9	6215.6	6945.7	6290.0
42.5°	5993.4	5927.3	5759.5	5595.3	5390.9	5351.9	5275.1	5617.8	6698.8	7617.9	6772.0
45°	6388.1	6308.9	6105.7	5897.8	5769.0	5635.5	5674.5	6007.6	7172.5	8303.2	7277.7
47.5°	6757.8	6669.2	6429.4	6197.8	6127.0	5874.1	6040.7	6436.5	7665.2	8997.9	7778.6
50°	6957.5	6870.1	6670.4	6461.3	6405.8	6168.3	6437.7	6907.9	8181.5	9690.2	8259.5
52.5°	7124.1	7029.6	6768.5	6652.7	6636.2	6488.5	6926.8	7446.6	8697.8	10302.2	8723.8
55°	7301.3	7196.2	6863.0	6759.0	6834.6	6847.6	7506.9	8057.4	9243.6	10898.8	9162.1
57.5°	7505.7	7372.2	6954.0	6848.8	7028.4	7268.2	8173.2	8690.7	9780.0	11451.7	9551.9
60°	7698.3	7563.6	7128.8	6991.8	7237.5	7756.2	8937.6	9457.4	10387.2	11944.4	9920.6
62.5°	7736.1	7625.0	7268.2	7267.0	7521.1	8325.6	9842.6	10231.3	10917.7	12431.1	10251.4
65°	7081.6	7011.9	6800.4	7256.4	7927.5	9145.5	10850.4	11221.3	11592.3	12856.4	10542.0
67.5°	5389.7	5399.2	5383.8	6264.0	7599.0	10323.4	12309.4	12281.1	12425.2	13333.7	10876.3
70°	2464.5	2520.0	2881.5	4324.1	6088.0	10459.3	14721.9	14354.5	13470.8	13951.6	11165.8
72.5°	1331.5	1374.0	1521.7	2094.7	3660.1	9299.1	16524.8	16785.9	14861.3	14367.5	10848.0
75°	977.1	1000.7	1103.5	1331.5	1537.1	6911.4	15878.6	17218.3	15035.0	13397.5	9367.6
77.5°	731.3	741.9	825.8	1055.0	786.8	3643.6	12687.5	14260.0	12870.6	11007.5	6919.7
80°	530.5	542.3	604.9	791.6	551.7	1332.7	8711.9	10009.2	8814.7	7016.6	3448.6
82.5°	366.2	371.0	398.1	538.7	385.1	517.5	4943.1	5869.4	4920.7	2462.1	931.0
85°	220.9	226.8	238.7	314.3	218.6	245.7	2133.7	2206.9	1470.9	588.4	289.5
87.5°	91.0	96.9	106.3	132.3	86.2	68.5	352.1	441.9	275.3	172.5	89.8
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°	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1	4031.1
2.5°	4037.0	4028.7	4006.3	3975.5	3947.2	3911.8	3896.4	3883.4	3871.6	3849.1	3838.5
5°	4061.8	4039.3	3979.1	3901.1	3812.5	3715.6	3621.1	3556.1	3500.6	3459.3	3425.0
7.5°	4099.6	4057.1	3947.2	3787.7	3584.5	3376.6	3188.7	3055.2	2954.8	2918.2	2854.4
10°	4138.6	4087.8	3896.4	3615.2	3264.3	2944.2	2694.9	2557.8	2477.5	2451.5	2411.3
12.5°	4184.7	4110.2	3817.2	3375.4	2906.3	2555.5	2338.1	2257.7	2216.4	2202.2	2205.8
15°	4252.0	4129.1	3697.9	3075.3	2564.9	2271.9	2131.3	2075.8	2054.5	2053.3	2058.1
17.5°	4302.8	4132.7	3512.4	2753.9	2302.6	2100.6	1984.8	1963.6	1977.7	1999.0	2007.3
20°	4359.5	4100.8	3269.0	2460.9	2118.3	1950.6	1902.1	1916.3	1950.6	1981.3	1991.9
22.5°	4399.7	4042.9	2974.9	2232.9	1958.8	1864.3	1862.0	1891.5	1910.4	1925.7	1934.0
25°	4435.1	3944.8	2663.0	2041.5	1827.7	1812.3	1838.3	1828.9	1815.9	1828.9	1837.1
27.5°	4461.1	3790.1	2384.1	1873.8	1735.5	1776.9	1761.5	1740.3	1739.1	1746.2	1758.0
30°	4452.9	3583.3	2154.9	1714.3	1670.6	1710.7	1674.1	1670.6	1667.0	1670.6	1683.6
32.5°	4452.9	3348.2	1978.9	1604.4	1629.2	1613.8	1610.3	1602.0	1587.9	1586.7	1602.0
35°	4477.7	3113.1	1827.7	1545.3	1594.9	1558.3	1560.7	1540.6	1511.1	1496.9	1511.1
37.5°	4528.5	2924.1	1677.6	1517.0	1534.7	1533.5	1524.1	1489.8	1437.8	1392.9	1408.3
40°	4651.3	2868.5	1574.9	1504.0	1506.3	1520.5	1495.7	1429.5	1311.4	1238.2	1247.6
42.5°	4843.9	2961.9	1552.4	1472.1	1487.4	1501.6	1453.2	1299.6	1215.7	1172.0	1172.0
45°	5088.5	3124.9	1600.9	1426.0	1442.5	1467.3	1323.2	1250.0	1212.2	1213.3	1219.2
47.5°	5398.0	3296.2	1690.6	1385.8	1377.6	1391.7	1237.0	1192.1	1140.1	1153.1	1186.2
50°	5756.0	3469.9	1775.7	1331.5	1305.5	1259.4	1181.4	1138.9	1072.7	1042.0	1050.3
52.5°	6143.5	3637.7	1810.0	1265.3	1227.5	1174.4	1143.6	1091.7	1011.3	960.5	959.3
55°	6510.9	3790.1	1772.2	1186.2	1149.5	1108.2	1103.5	1071.6	985.3	914.4	914.4
57.5°	6858.3	3917.7	1677.6	1105.8	1070.4	1045.6	1077.5	1062.1	953.4	862.5	857.7
60°	7152.4	4005.1	1540.6	1024.3	999.5	986.5	1034.9	1030.2	908.5	806.9	803.4
62.5°	7386.4	4039.3	1389.4	946.3	940.4	916.8	975.9	975.9	851.8	752.6	749.0
65°	7569.5	4006.3	1235.8	869.5	881.4	845.9	903.8	896.7	791.6	704.1	699.4
67.5°	7731.3	3897.6	1065.7	793.9	821.1	776.2	828.2	811.6	725.4	655.7	651.0
70°	7803.4	3644.7	871.9	718.3	751.4	707.7	752.6	721.9	651.0	603.7	594.3
72.5°	7224.5	3029.2	686.4	639.2	667.5	632.1	671.1	635.6	570.6	549.4	531.6
75°	5976.9	2273.1	528.1	552.9	574.2	547.0	573.0	547.0	487.9	503.3	459.6
77.5°	4340.6	1534.7	404.1	461.9	471.4	457.2	479.7	450.1	397.0	393.4	375.7
80°	2158.5	899.1	316.6	365.1	361.5	352.1	378.1	363.9	319.0	337.9	334.3
82.5°	625.0	385.1	230.4	256.4	249.3	251.6	270.5	277.6	415.9	412.3	421.8
85°	196.1	151.2	138.2	143.0	135.9	139.4	159.5	316.6	293.0	171.3	185.5
87.5°	50.8	52.0	34.3	36.6	37.8	44.9	50.8	192.6	92.2	60.3	63.8
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)