

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: P955546

Luminaire Tested: **GALN-SB8C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49723 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 399.8
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

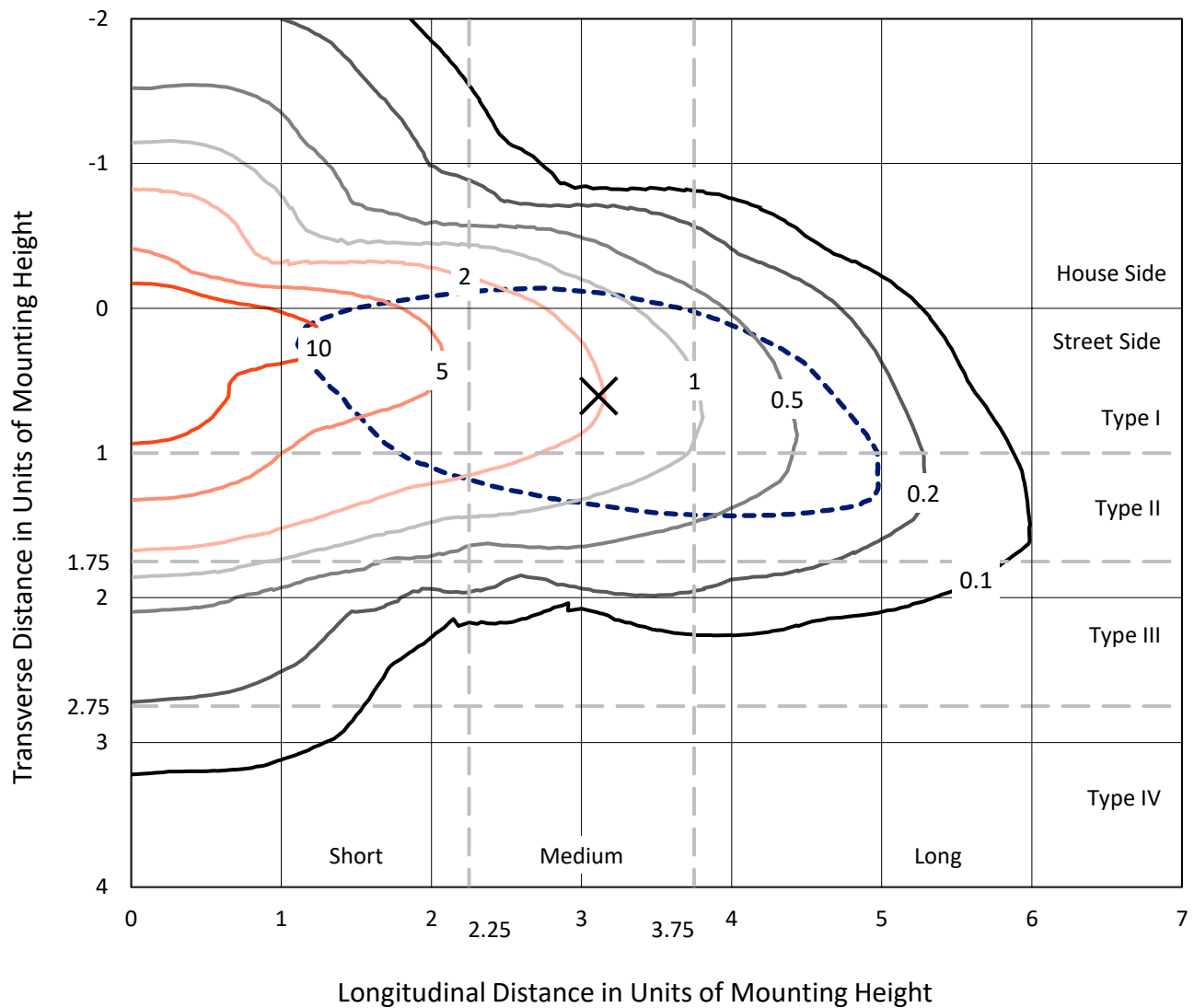


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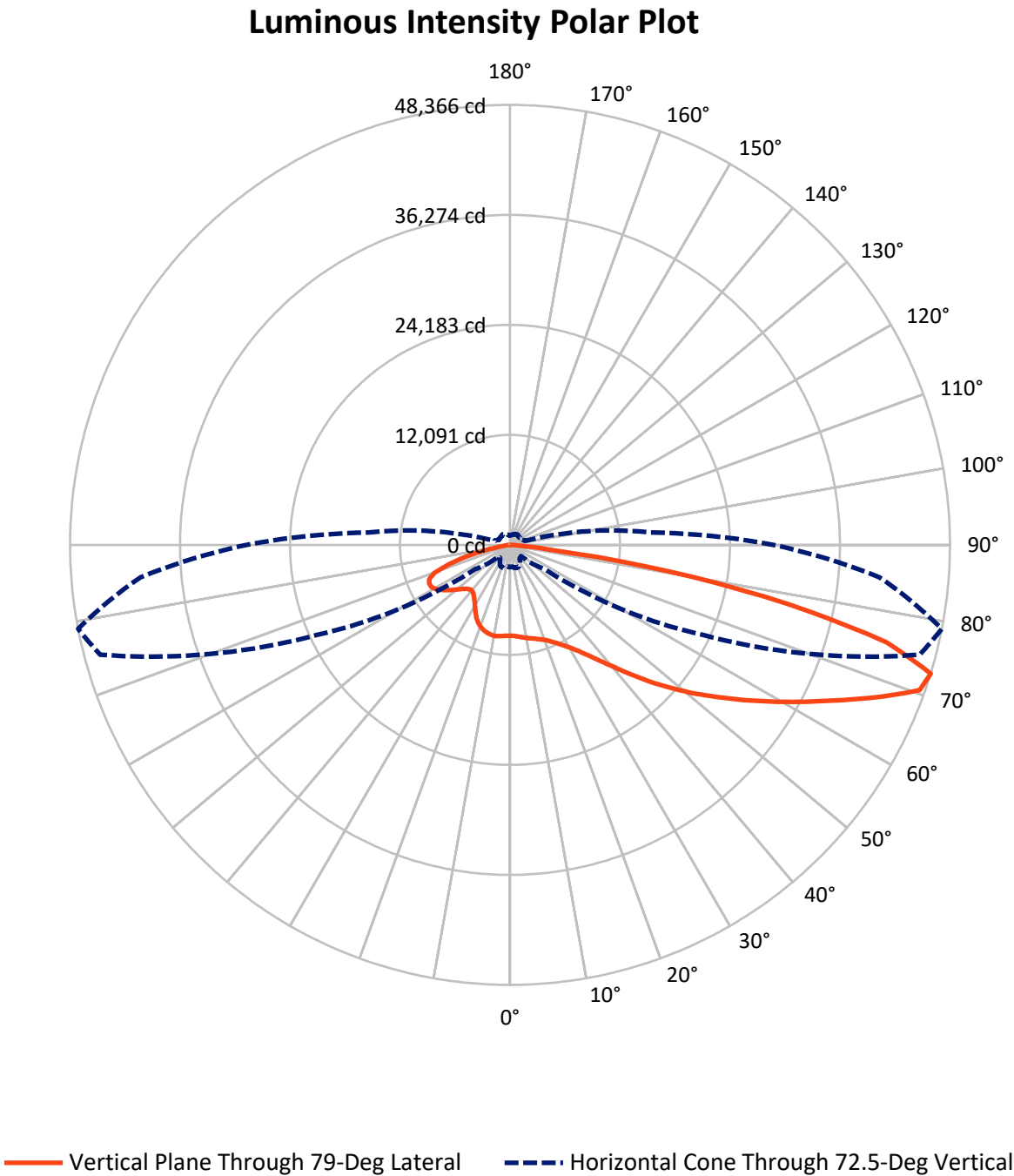
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10941.8	0.0	10941.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	38781.2	0.0	38781.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	49723.0	0.0	49723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	906.0	1.8
10°-20°	2368.8	4.8
20°-30°	3822.3	7.7
30°-40°	5736.7	11.5
40°-50°	8137.8	16.4
50°-60°	10277.0	20.7
60°-70°	10437.7	21.0
70°-80°	7113.7	14.3
80°-90°	922.9	1.9
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°	49723.0	100.0
0°-180°	49723.0	100.0

Coefficient of Utilization



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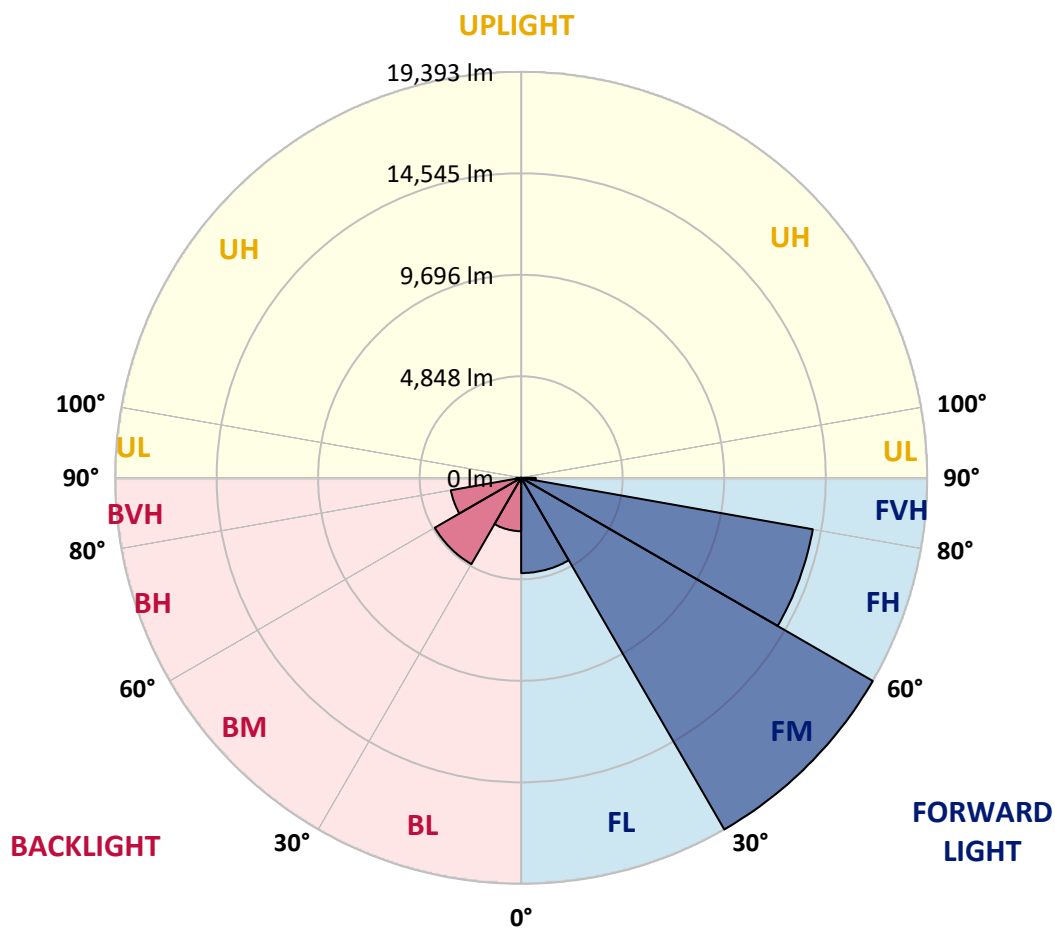
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4548.4	9.1			
FM	(30°-60°)	19393.0	39.0			
FH	(60°-80°)	14144.5	28.4			G5
FVH	(80°-90°)	695.3	1.4			G4/750
BL	(0°-30°)	2548.7	5.1	B4/5000		
BM	(30°-60°)	4758.5	9.6	B3/5000		
BH	(60°-80°)	3406.9	6.9	B4/5000		G4/5000
BVH	(80°-90°)	227.7	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4
2.5°	9986.7	9939.3	9968.3	9957.7	9970.9	9986.7	9991.9	9999.8	10026.1	10023.5	10020.9
5°	9965.6	9918.3	9957.7	9944.6	9978.8	10015.6	10047.2	10076.1	10118.2	10136.6	10110.3
7.5°	9920.9	9889.4	9928.8	9968.3	10031.4	10086.6	10131.3	10197.1	10257.6	10268.1	10286.5
10°	9660.5	9636.9	9728.9	9831.5	10005.1	10155.0	10252.3	10328.6	10394.4	10404.9	10431.2
12.5°	9389.6	9360.7	9463.3	9602.7	9884.1	10155.0	10360.2	10460.1	10518.0	10552.2	10591.6
15°	9344.9	9321.3	9379.1	9500.1	9734.2	10084.0	10433.8	10617.9	10667.9	10707.3	10723.1
17.5°	9560.6	9515.9	9539.6	9581.6	9718.4	10018.2	10491.7	10796.8	10873.0	10915.1	10915.1
20°	10060.3	9997.2	9960.4	9876.2	9852.5	10028.8	10486.4	11012.4	11112.4	11165.0	11178.1
22.5°	10725.8	10683.7	10604.8	10391.7	10160.3	10157.6	10586.4	11288.6	11475.3	11525.3	11493.8
25°	11530.6	11467.5	11367.5	11078.2	10633.7	10412.8	10754.7	11641.0	11954.0	11967.2	11875.1
27.5°	12456.4	12361.7	12224.9	11843.6	11243.9	10812.5	11012.4	12046.1	12503.7	12498.5	12309.1
30°	13432.2	13337.5	13192.8	12729.9	11975.1	11351.7	11370.1	12482.7	13156.0	13127.1	12803.6
32.5°	14144.9	14073.9	14045.0	13687.3	12816.7	11988.2	11780.4	12966.6	13960.8	13934.5	13482.1
35°	14692.0	14600.0	14634.2	14452.7	13734.6	12701.0	12282.8	13542.6	14939.3	14936.6	14373.8
37.5°	15233.8	15152.3	15181.2	15060.2	14584.2	13605.8	12895.6	14247.5	16151.8	16209.6	15452.1
40°	15728.3	15641.5	15757.2	15644.1	15244.3	14568.4	13592.6	15044.5	17556.3	17666.7	16756.7
42.5°	16025.5	15957.1	16149.1	16151.8	15817.7	15381.1	14358.0	15922.9	19181.7	19428.9	18361.1
45°	16128.1	16104.4	16393.7	16454.2	16325.3	15851.9	15047.1	16880.3	20933.4	21375.2	20189.0
47.5°	16017.6	15972.9	16372.7	16596.2	16698.8	16072.8	15617.8	17916.6	22721.9	23368.9	22182.7
50°	15460.0	15373.2	15967.6	16438.4	16804.0	16217.5	16193.8	19113.3	24755.0	25462.5	24186.9
52.5°	14457.9	14392.2	15068.1	15886.1	16572.6	16288.5	16840.9	20420.5	26685.5	27600.8	26241.0
55°	13177.1	13090.3	13834.6	14902.4	15996.6	16264.8	17487.9	21882.8	28963.2	29891.7	28363.5
57.5°	11146.6	10973.0	11914.6	13177.1	15057.6	16235.9	18161.2	23337.3	31277.7	32390.3	30628.1
60°	8185.0	7927.3	9081.9	10578.5	13221.8	15954.5	18994.9	24968.0	34055.2	35057.3	33100.4
62.5°	4765.8	4615.9	5370.8	6767.4	9965.6	14297.5	19463.1	26864.4	36785.3	37837.3	35530.7
65°	3700.6	3658.5	3724.3	3832.1	5547.0	10704.7	18019.2	28713.3	40257.1	40993.5	38063.5
67.5°	3385.0	3353.4	3382.4	3179.9	2814.3	5962.6	14255.4	29181.5	43976.1	44423.2	40280.7
70°	3008.9	2972.1	3066.8	2893.2	2214.6	2711.7	9210.8	27482.4	46935.0	47774.0	41966.7
72.5°	2451.3	2409.2	2630.2	2551.2	1864.8	1741.2	4626.4	23445.2	46624.7	48365.8	40759.4
75°	1883.2	1859.5	2122.5	2188.3	1520.2	1370.3	2219.8	17427.4	41030.3	42784.7	35128.3
77.5°	1462.4	1444.0	1578.1	1817.4	1225.6	1062.6	1365.0	11054.5	30920.0	31227.8	24207.9
80°	1096.8	1044.2	1167.8	1407.1	954.7	775.9	925.8	6446.5	19544.6	17716.7	10536.4
82.5°	686.5	660.2	762.7	939.0	673.3	533.9	602.3	3561.2	7832.6	4613.3	2033.1
85°	391.9	381.4	415.6	536.6	365.6	307.7	344.5	1572.8	1430.8	983.7	612.8
87.5°	157.8	152.5	189.4	239.3	134.1	113.1	121.0	378.7	315.6	291.9	202.5
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°	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4	9981.4
2.5°	10010.4	10010.4	9973.5	9915.7	9849.9	9807.8	9739.4	9721.0	9650.0	9629.0	9663.2
5°	10131.3	10110.3	9997.2	9834.1	9610.6	9405.4	9179.2	9037.2	8837.3	8766.3	8818.9
7.5°	10283.9	10226.0	10031.4	9673.7	9205.5	8745.2	8266.6	7903.6	7556.4	7432.8	7448.6
10°	10423.3	10341.8	10010.4	9384.4	8574.3	7777.4	7014.6	6480.7	6075.6	5909.9	5946.8
12.5°	10562.7	10412.8	9871.0	8903.1	7677.4	6596.4	5783.7	5368.1	5118.3	4918.4	4984.1
15°	10694.2	10483.8	9655.3	8258.7	6693.7	5597.0	4997.3	4665.9	4466.0	4334.5	4358.2
17.5°	10846.7	10544.3	9331.8	7440.7	5757.4	4905.2	4416.0	4216.1	4176.7	4160.9	4171.4
20°	11059.8	10599.5	8905.7	6525.4	5068.3	4352.9	4100.4	4082.0	4079.4	4071.5	4097.8
22.5°	11288.6	10665.3	8342.8	5694.3	4481.8	4008.3	3963.6	3926.8	3903.1	3900.5	3929.4
25°	11559.5	10686.3	7638.0	5013.1	3982.0	3845.3	3792.7	3737.4	3721.7	3721.7	3737.4
27.5°	11822.5	10615.3	6817.3	4421.3	3700.6	3695.4	3627.0	3608.6	3605.9	3613.8	3634.9
30°	12085.5	10481.1	6002.0	3874.2	3537.6	3537.6	3513.9	3527.0	3537.6	3563.9	3582.3
32.5°	12440.6	10339.1	5320.8	3469.2	3395.5	3369.2	3392.9	3419.2	3429.7	3463.9	3492.8
35°	12961.4	10239.2	4779.0	3248.2	3248.2	3214.0	3227.2	3221.9	3198.3	3182.5	3219.3
37.5°	13650.5	10233.9	4331.9	3145.7	3124.6	3119.4	3122.0	3087.8	2995.7	2885.3	2887.9
40°	14479.0	10375.9	3987.3	3074.6	3058.9	3090.4	3074.6	2982.6	2730.1	2538.1	2532.8
42.5°	15591.5	10781.0	3766.4	2987.9	3035.2	3074.6	3011.5	2693.3	2522.3	2393.4	2388.2
45°	16901.3	11438.5	3653.3	2895.8	2990.5	3037.8	2732.7	2593.3	2456.6	2301.4	2290.9
47.5°	18384.7	12267.0	3627.0	2809.0	2890.5	2919.5	2614.4	2551.2	2396.1	2227.7	2214.6
50°	19999.7	13248.1	3698.0	2706.4	2745.9	2645.9	2574.9	2517.1	2356.6	2190.9	2172.5
52.5°	21669.8	14329.1	3840.0	2567.0	2601.2	2490.8	2559.1	2509.2	2332.9	2109.4	2093.6
55°	23311.0	15417.9	3976.8	2404.0	2453.9	2351.4	2514.4	2477.6	2225.1	1972.6	1959.5
57.5°	24978.5	16501.6	4110.9	2259.3	2311.9	2217.2	2443.4	2393.4	2104.1	1846.4	1841.1
60°	26711.8	17553.6	4174.0	2119.9	2156.7	2093.6	2335.6	2248.8	1967.4	1717.5	1709.6
62.5°	28334.6	18429.5	4071.5	1980.5	2004.2	1977.9	2193.5	2077.8	1830.6	1572.8	1570.2
65°	29962.7	18950.2	3755.9	1843.7	1849.0	1835.8	1993.7	1893.7	1670.1	1446.6	1430.8
67.5°	31438.2	19242.2	3253.5	1696.4	1683.3	1678.0	1806.9	1693.8	1515.0	1320.3	1304.6
70°	31751.2	18500.5	2485.5	1522.9	1522.9	1509.7	1601.8	1486.0	1344.0	1186.2	1180.9
72.5°	29000.0	15562.6	1764.8	1325.6	1346.6	1320.3	1396.6	1299.3	1170.4	1065.2	1033.6
75°	23384.7	11412.2	1283.5	1123.1	1159.9	1115.2	1186.2	1117.8	1007.3	1004.7	904.8
77.5°	16067.6	7056.7	931.1	925.8	952.1	894.3	975.8	939.0	839.0	794.3	744.3
80°	6856.8	2814.3	678.6	715.4	715.4	662.8	757.5	768.0	681.2	660.2	660.2
82.5°	1365.0	799.6	476.1	491.8	462.9	447.1	536.6	594.4	820.6	912.7	915.3
85°	410.3	294.6	286.7	268.3	236.7	239.3	315.6	597.0	736.4	420.8	363.0
87.5°	113.1	73.6	76.3	60.5	50.0	65.8	107.8	452.4	247.2	105.2	89.4
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)