

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: P941095

Luminaire Tested: **GALN-SB4C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24568 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 200.7
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



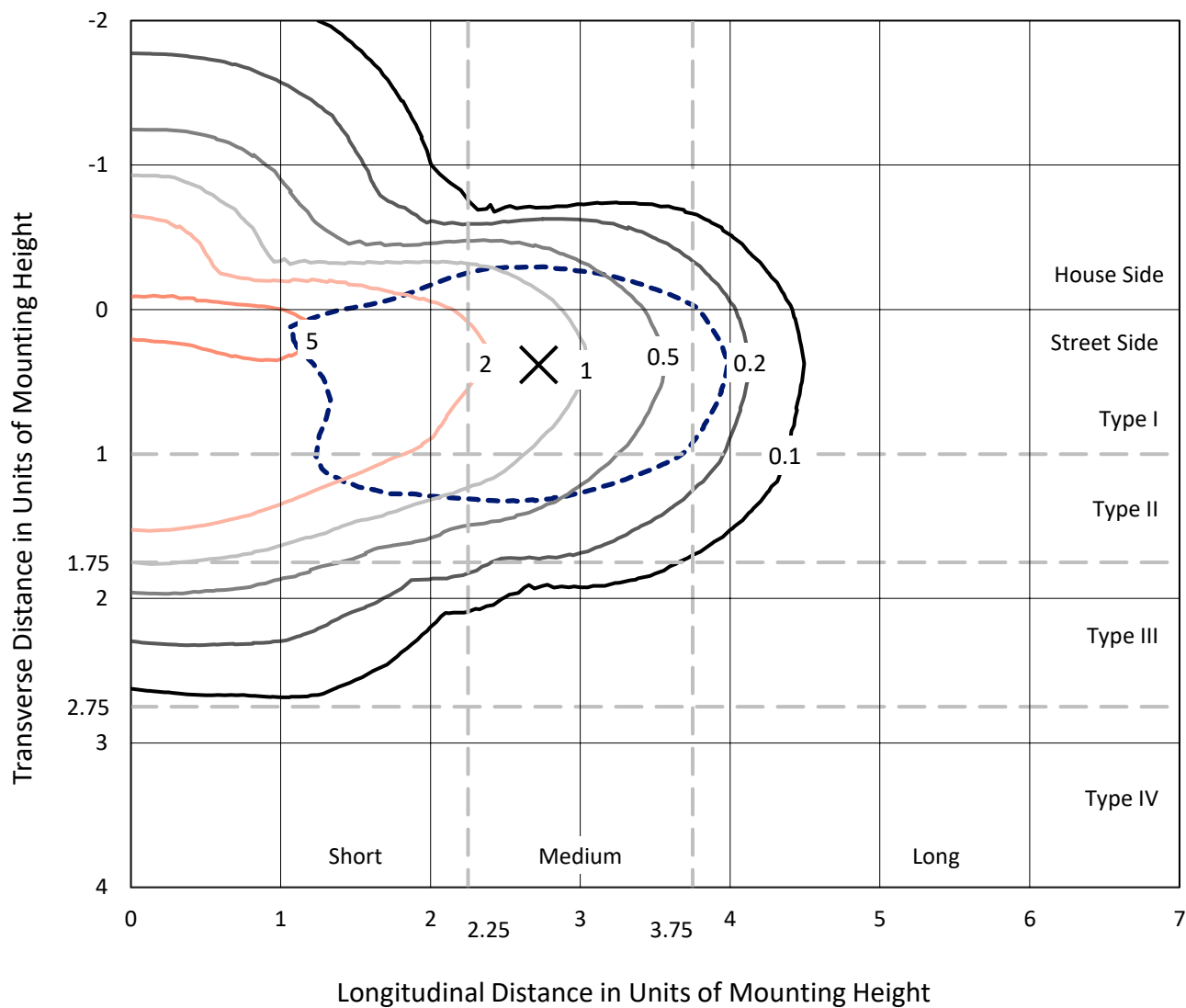
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Iso-Footcandle Lines of Horizontal Illumination

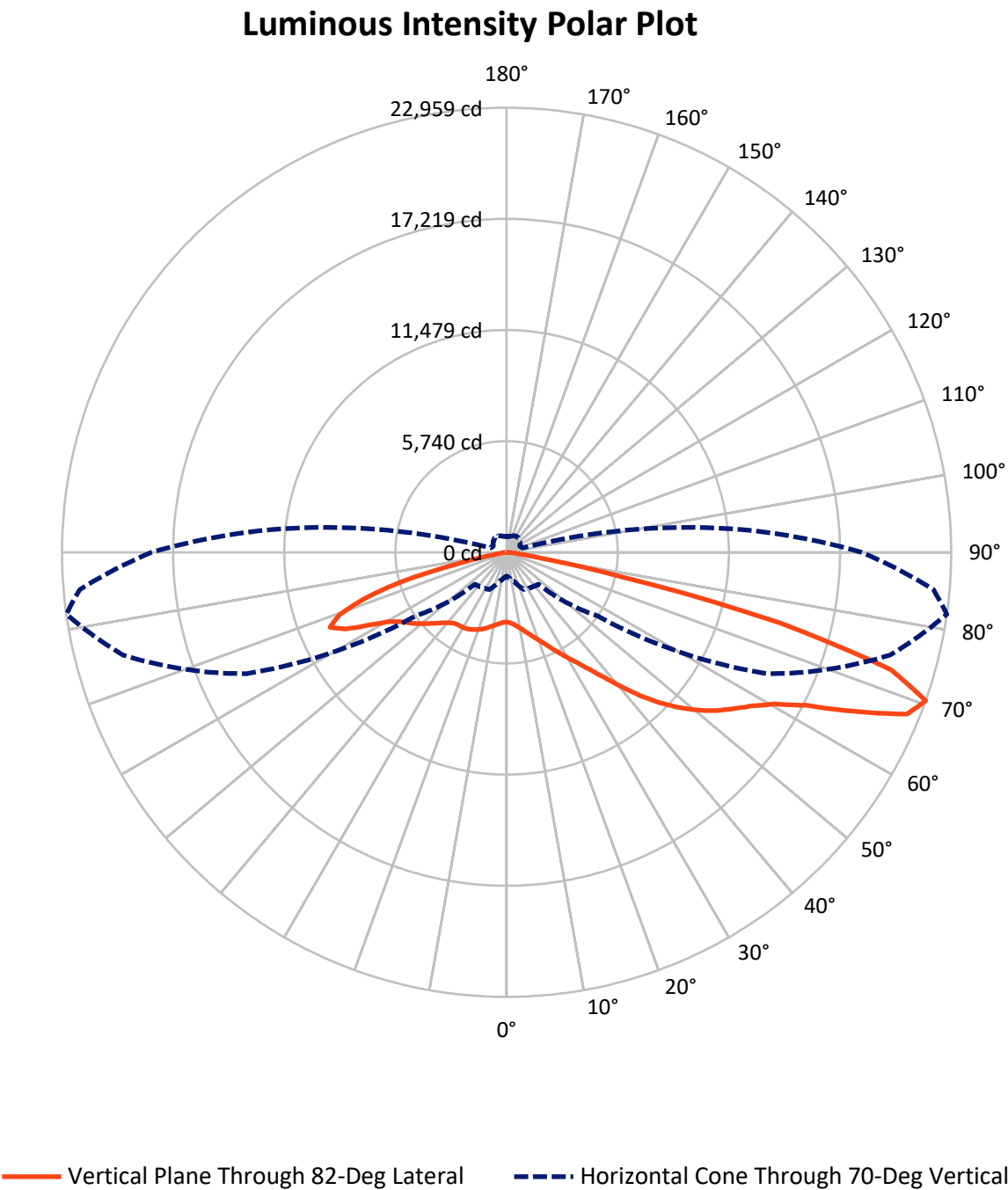
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Medium - N/A

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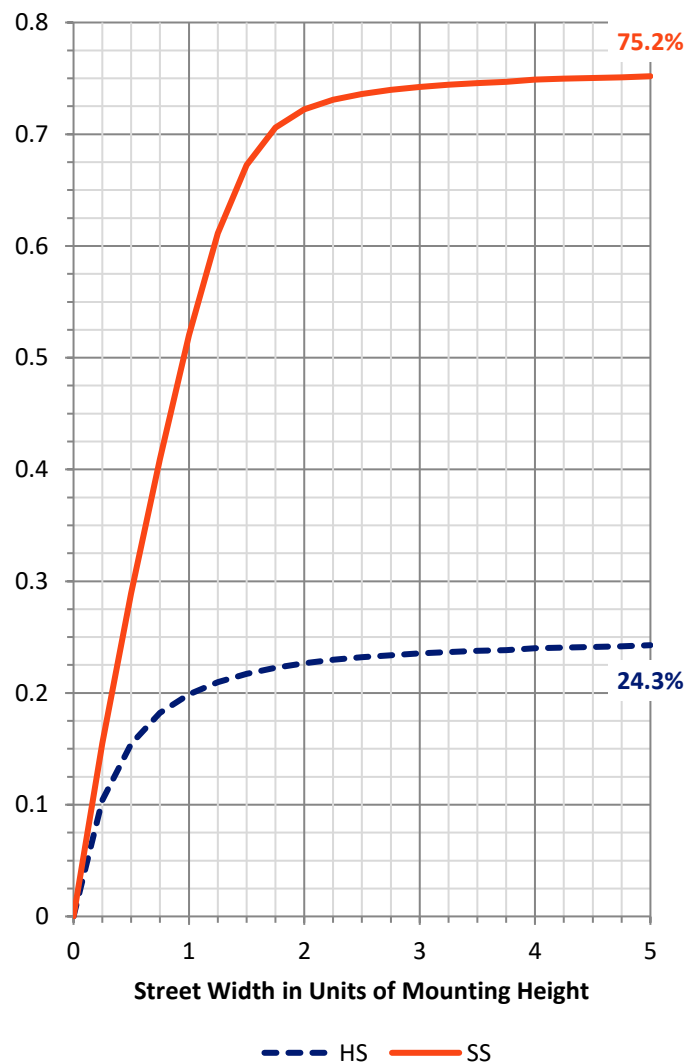
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6056.6	0.0	6056.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18511.4	0.0	18511.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	24568.0	0.0	24568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	1.4
10°-20°	977.1	4.0
20°-30°	1634.6	6.7
30°-40°	2553.7	10.4
40°-50°	4067.0	16.6
50°-60°	5659.7	23.0
60°-70°	5920.3	24.1
70°-80°	3094.3	12.6
80°-90°	321.3	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°	24568.0	100.0
0°-180°	24568.0	100.0

Coefficient of Utilization



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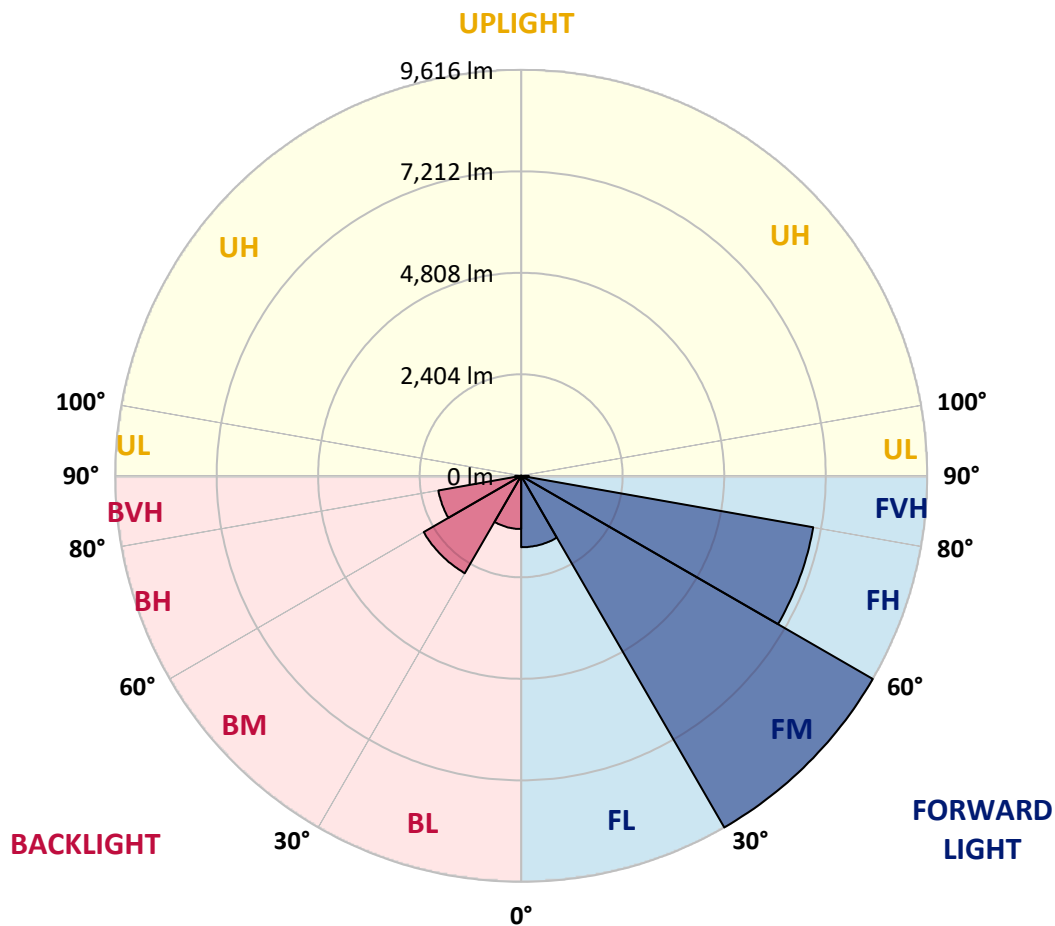
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1691.8	6.9			
FM	(30°-60°)	9615.7	39.1			
FH	(60°-80°)	7024.1	28.6			G3/7500
FVH	(80°-90°)	179.9	0.7			G2/225
BL	(0°-30°)	1260.0	5.1	B3/2500		
BM	(30°-60°)	2664.7	10.8	B3/5000		
BH	(60°-80°)	1990.5	8.1	B3/2500		G3/2500
BVH	(80°-90°)	141.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0
2.5°	3688.0	3708.9	3702.4	3695.8	3695.8	3686.7	3685.4	3672.4	3661.9	3645.0	3641.1
5°	3734.9	3757.1	3754.5	3759.7	3776.7	3780.6	3784.5	3776.7	3755.8	3734.9	3725.8
7.5°	3693.2	3718.0	3725.8	3757.1	3809.3	3856.2	3891.4	3905.7	3886.2	3856.2	3841.8
10°	3552.4	3579.8	3607.2	3681.5	3774.1	3884.9	3978.7	4034.8	4030.9	4002.2	3977.4
12.5°	3266.9	3295.6	3354.3	3499.0	3668.5	3864.0	4038.7	4156.0	4196.4	4175.6	4132.6
15°	3038.8	3063.6	3107.9	3256.5	3476.8	3774.1	4060.9	4289.0	4392.0	4380.3	4328.1
17.5°	3032.3	3042.7	3070.1	3140.5	3310.0	3633.3	4037.4	4419.4	4616.2	4614.9	4549.7
20°	3147.0	3150.9	3166.6	3180.9	3277.4	3526.4	3977.4	4527.6	4867.8	4867.8	4797.4
22.5°	3306.0	3303.4	3319.1	3306.0	3353.0	3517.2	3939.6	4622.7	5148.1	5169.0	5080.3
25°	3544.6	3531.6	3527.7	3497.7	3506.8	3602.0	3981.3	4730.9	5480.5	5523.6	5412.7
27.5°	3862.7	3841.8	3827.5	3758.4	3734.9	3776.7	4109.1	4861.3	5850.8	5925.1	5784.3
30°	4277.3	4239.5	4218.6	4098.7	4013.9	4020.4	4302.0	5034.7	6237.9	6357.9	6179.3
32.5°	4843.0	4784.4	4728.3	4531.5	4376.3	4325.5	4551.0	5274.6	6657.7	6849.4	6619.9
35°	5476.6	5429.7	5369.7	5066.0	4827.4	4710.1	4887.4	5609.6	7149.2	7452.9	7154.4
37.5°	6086.7	6046.3	6075.0	5665.6	5358.0	5187.2	5328.0	6059.4	7755.4	8203.8	7824.5
40°	6717.7	6686.4	6690.3	6299.2	5940.7	5749.1	5862.5	6623.8	8450.2	9096.8	8630.1
42.5°	7403.4	7379.9	7301.7	6955.0	6552.1	6373.5	6477.8	7275.7	9195.9	10113.7	9514.0
45°	8171.3	8156.9	8083.9	7686.3	7224.8	7024.0	7164.8	7995.3	9945.5	11070.6	10401.8
47.5°	8834.8	8846.5	8837.4	8502.4	8023.9	7729.3	7897.5	8746.2	10643.0	11970.1	11253.1
50°	9154.2	9215.5	9305.4	9201.1	8903.9	8604.1	8636.7	9471.0	11307.8	12813.5	12069.2
52.5°	8987.3	9103.4	9348.5	9515.3	9630.0	9567.5	9480.1	10190.6	11933.6	13574.9	12840.9
55°	8365.5	8528.5	8935.2	9338.0	9923.4	10378.3	10493.1	10988.4	12543.7	14244.9	13571.0
57.5°	7232.6	7497.3	7862.3	8677.1	9662.6	10770.7	11674.2	12095.2	13190.3	14960.7	14334.9
60°	5290.2	5644.8	6098.5	7310.9	8750.1	10560.8	12679.3	13795.2	14109.4	15887.5	15329.6
62.5°	3385.6	3604.6	4021.8	5163.7	6818.1	9485.3	12986.9	15920.1	15667.2	17407.6	16821.0
65°	2317.9	2458.7	2840.6	3482.0	4407.6	7060.6	12163.0	17513.2	18141.5	19816.7	19370.9
67.5°	1684.3	1791.2	2117.1	2679.0	2871.9	4178.2	9438.4	17440.2	20546.8	22298.9	21605.3
70°	1228.0	1303.6	1577.4	2117.1	2209.7	2324.4	5717.8	14825.1	20494.6	22958.5	22128.1
72.5°	909.9	962.1	1145.9	1642.6	1788.6	1569.6	2830.2	10774.6	17611.0	20765.8	20099.6
75°	658.3	697.5	833.0	1256.7	1431.4	1195.4	1411.8	6296.6	12284.3	14607.4	14724.7
77.5°	503.2	533.2	621.8	920.4	1145.9	896.9	876.1	2896.7	5824.7	5853.4	6181.9
80°	404.1	423.7	471.9	647.9	878.7	671.4	571.0	1169.4	1840.7	1557.9	1634.8
82.5°	297.2	329.8	398.9	455.0	628.4	462.8	348.1	590.6	700.1	602.3	607.5
85°	169.5	191.6	241.2	325.9	401.5	282.9	199.5	262.0	325.9	267.2	238.6
87.5°	60.0	78.2	84.7	127.8	174.7	117.3	76.9	75.6	106.9	79.5	66.5
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°	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0	3602.0
2.5°	3628.0	3621.5	3595.5	3560.3	3523.8	3488.6	3476.8	3452.1	3435.1	3426.0	3436.4
5°	3701.1	3680.2	3618.9	3540.7	3458.6	3369.9	3307.4	3250.0	3208.3	3169.2	3184.8
7.5°	3805.3	3768.8	3663.2	3526.4	3380.4	3233.0	3123.5	3040.1	2984.0	2947.5	2955.4
10°	3926.6	3870.5	3708.9	3504.2	3278.7	3067.5	2938.4	2866.7	2831.5	2812.0	2817.2
12.5°	4066.1	3986.6	3755.8	3453.4	3123.5	2882.4	2793.7	2772.9	2774.2	2775.5	2778.1
15°	4238.2	4127.3	3793.6	3342.6	2921.5	2740.3	2724.6	2758.5	2793.7	2810.7	2809.4
17.5°	4432.4	4276.0	3800.1	3160.0	2723.3	2649.0	2698.5	2771.6	2825.0	2848.5	2853.7
20°	4641.0	4427.2	3753.2	2901.9	2560.4	2574.7	2663.4	2757.2	2815.9	2845.9	2853.7
22.5°	4879.5	4588.8	3641.1	2630.8	2427.4	2493.9	2598.2	2689.4	2750.7	2780.7	2788.5
25°	5152.0	4770.0	3465.1	2402.6	2312.7	2402.6	2506.9	2582.5	2632.1	2659.4	2667.3
27.5°	5454.5	4959.1	3230.4	2221.4	2212.3	2308.8	2394.8	2453.5	2479.5	2500.4	2508.2
30°	5758.2	5131.2	2946.2	2084.5	2124.9	2216.2	2277.5	2303.5	2311.4	2315.3	2324.4
32.5°	6086.7	5279.8	2647.7	1971.1	2041.5	2126.2	2162.7	2174.5	2138.0	2113.2	2121.0
35°	6484.3	5438.8	2355.7	1881.2	1959.4	2032.4	2044.1	2033.7	1990.7	1939.8	1942.4
37.5°	6975.8	5637.0	2122.3	1817.3	1882.5	1930.7	1916.4	1913.8	1917.7	1857.7	1861.6
40°	7578.1	5895.1	1951.6	1767.7	1819.9	1830.3	1789.9	1812.1	1831.6	1740.4	1743.0
42.5°	8246.9	6206.7	1843.4	1733.9	1767.7	1743.0	1680.4	1705.2	1702.6	1582.6	1581.3
45°	8928.7	6545.6	1805.6	1709.1	1719.5	1670.0	1600.9	1607.4	1552.6	1444.4	1448.4
47.5°	9606.6	6909.3	1829.0	1688.2	1659.5	1603.5	1550.0	1521.4	1440.5	1359.7	1359.7
50°	10271.4	7291.3	1915.1	1646.5	1577.4	1544.8	1505.7	1454.9	1368.8	1299.7	1294.5
52.5°	10888.1	7675.9	2011.5	1577.4	1474.4	1494.0	1469.2	1410.5	1325.8	1255.4	1256.7
55°	11472.1	8060.4	2049.3	1482.2	1378.0	1449.7	1435.3	1327.1	1225.4	1168.1	1162.9
57.5°	12108.3	8523.2	2007.6	1361.0	1299.7	1398.8	1344.1	1224.1	1165.5	1122.4	1118.5
60°	12989.5	9249.4	1917.7	1211.1	1225.4	1323.2	1229.3	1179.8	1115.9	1067.7	1065.1
62.5°	14453.5	10603.9	1773.0	1062.5	1138.1	1211.1	1174.6	1125.0	1059.9	1012.9	1012.9
65°	16617.6	12486.3	1500.5	946.4	1040.3	1101.6	1115.9	1066.4	998.6	949.1	951.7
67.5°	18442.7	13667.4	1135.5	850.0	939.9	1012.9	1053.3	1005.1	933.4	885.2	886.5
70°	18342.3	12809.6	866.9	754.8	851.3	925.6	977.7	939.9	863.0	817.4	821.3
72.5°	16291.7	10716.0	701.4	658.3	761.3	834.3	896.9	868.2	790.0	745.7	745.7
75°	11968.8	7606.8	560.6	560.6	649.2	739.2	808.3	790.0	718.3	687.0	677.9
77.5°	5045.1	3191.3	439.3	465.4	539.7	634.9	720.9	727.4	664.9	704.0	638.8
80°	1341.5	880.0	335.0	366.3	423.7	524.1	627.1	624.4	556.7	520.2	483.7
82.5°	511.0	346.8	238.6	258.1	306.4	401.5	496.7	512.3	444.5	384.6	384.6
85°	196.9	148.6	147.3	155.1	178.6	265.9	375.5	388.5	335.0	284.2	293.3
87.5°	50.8	44.3	54.8	52.1	82.1	142.1	215.1	222.9	204.7	118.6	169.5
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)