

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: P940419

Luminaire Tested: **GALN-SB3C-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
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-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18346 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - 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

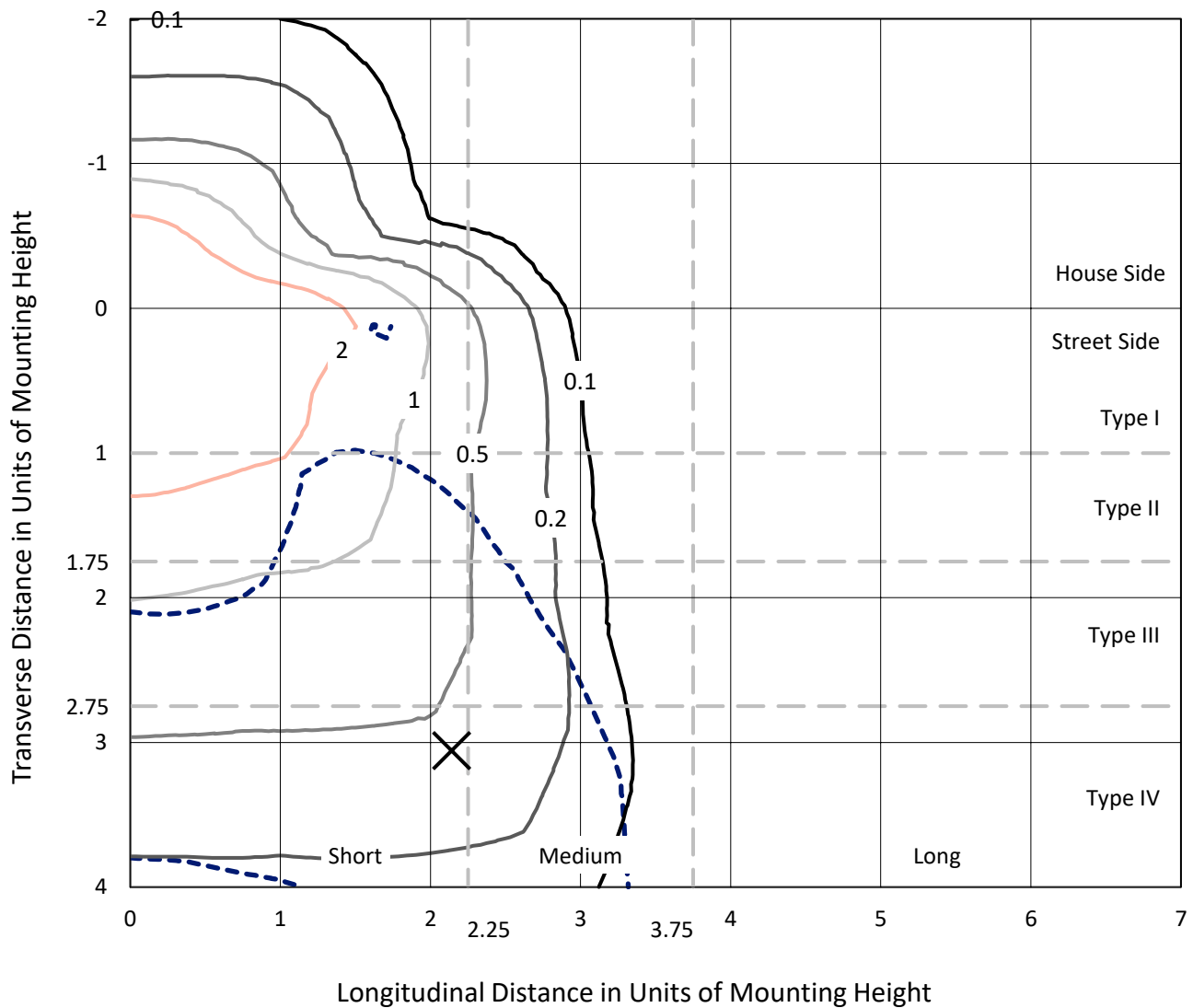


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

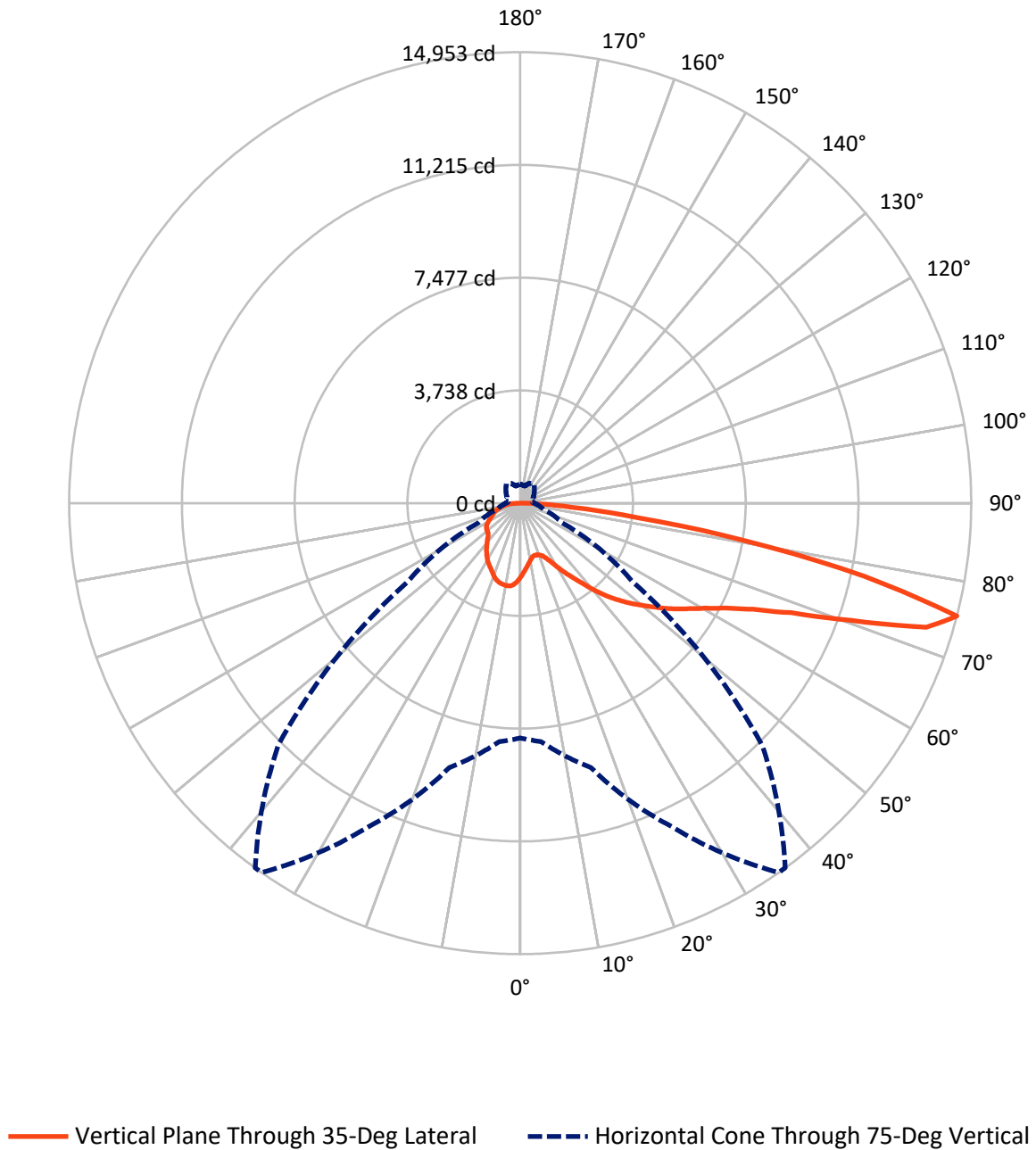


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4365.9	0.0	4365.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	13980.1	0.0	13980.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	18346.0	0.0	18346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	1.3
10°-20°	667.7	3.6
20°-30°	1121.2	6.1
30°-40°	1742.4	9.5
40°-50°	2586.2	14.1
50°-60°	3570.5	19.5
60°-70°	4331.8	23.6
70°-80°	3579.9	19.5
80°-90°	514.9	2.8
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°	18346.0	100.0
0°-180°	18346.0	100.0

Coefficient of Utilization



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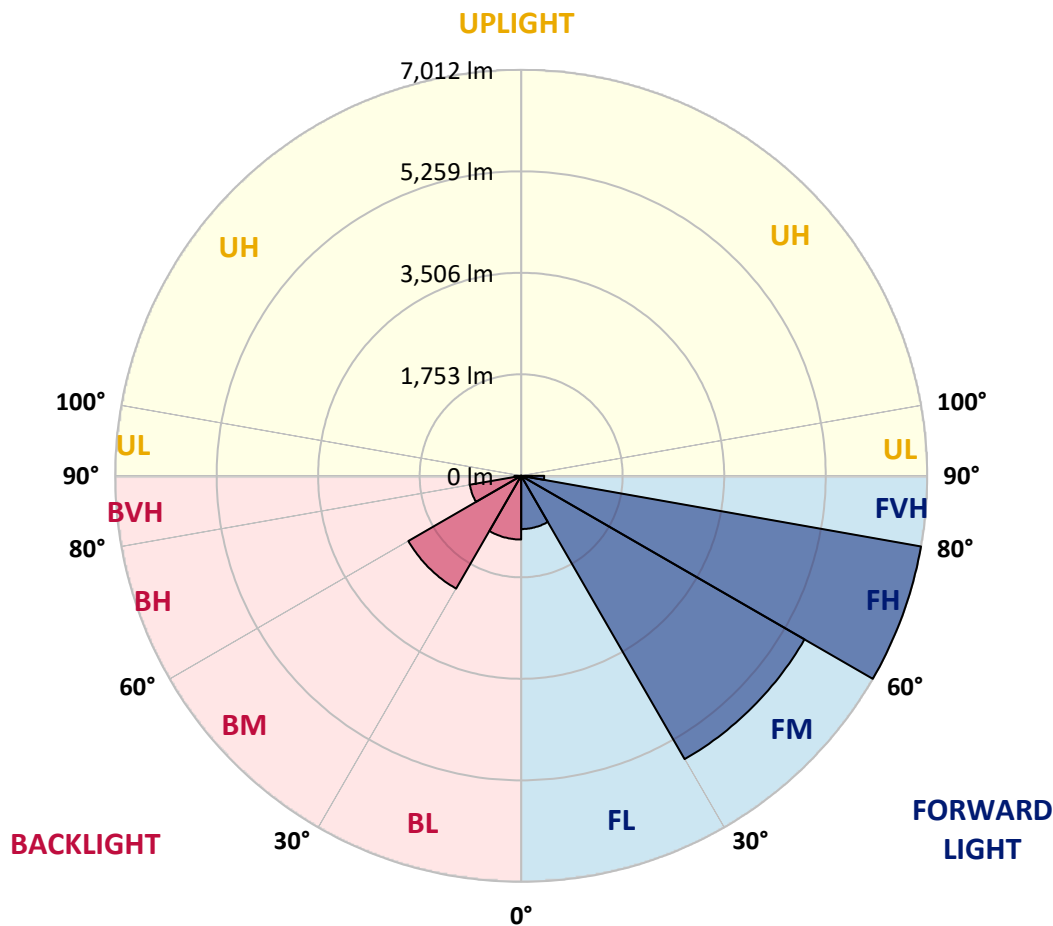
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	920.0	5.0			
FM	(30°-60°)	5649.6	30.8			
FH	(60°-80°)	7011.6	38.2			G3/7500
FVH	(80°-90°)	399.0	2.2			G3/500
BL	(0°-30°)	1100.3	6.0	B3/2500		
BM	(30°-60°)	2249.6	12.3	B2/2500		
BH	(60°-80°)	900.1	4.9	B2/1000		G2/1000
BVH	(80°-90°)	115.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7
2.5°	2254.3	2268.2	2274.1	2271.2	2286.0	2284.1	2304.9	2330.7	2366.4	2401.1	2451.7
5°	2080.7	2095.6	2108.5	2120.4	2149.2	2158.1	2190.8	2240.4	2305.9	2372.3	2455.6
7.5°	1919.1	1932.0	1951.8	1973.6	2022.2	2031.2	2085.7	2163.1	2254.3	2351.5	2466.5
10°	1787.2	1800.1	1820.9	1845.7	1906.2	1917.1	1986.5	2089.7	2208.7	2331.7	2478.4
12.5°	1730.6	1734.6	1746.5	1771.3	1823.9	1830.8	1907.2	2025.2	2164.1	2316.8	2496.3
15°	1727.7	1735.6	1736.6	1749.5	1793.1	1796.1	1866.5	1983.6	2136.3	2313.8	2523.1
17.5°	1757.4	1763.4	1754.5	1762.4	1799.1	1804.0	1859.6	1963.7	2127.4	2326.7	2568.7
20°	1836.8	1841.7	1815.0	1804.0	1830.8	1834.8	1889.3	1976.6	2136.3	2353.5	2631.2
22.5°	2005.4	2008.3	1942.9	1898.3	1900.2	1902.2	1949.8	2029.2	2171.0	2402.1	2710.5
25°	2268.2	2266.2	2162.1	2075.8	2026.2	2015.3	2047.0	2114.5	2229.5	2466.5	2812.7
27.5°	2575.6	2560.8	2456.6	2327.7	2219.6	2203.7	2196.8	2225.5	2312.8	2551.8	2937.6
30°	2922.8	2908.9	2796.8	2628.2	2478.4	2452.7	2387.2	2372.3	2436.8	2667.9	3111.2
32.5°	3303.6	3294.7	3160.8	2956.5	2756.1	2726.4	2616.3	2576.6	2627.2	2843.4	3353.2
35°	3623.0	3615.0	3503.9	3293.7	3048.7	3012.0	2900.0	2855.3	2881.1	3068.6	3669.6
37.5°	3911.6	3907.6	3812.4	3646.8	3393.9	3349.2	3223.3	3208.4	3203.4	3365.1	4053.4
40°	4179.3	4169.4	4070.2	3983.0	3795.5	3754.9	3643.8	3630.9	3593.2	3730.1	4487.8
42.5°	4475.9	4450.1	4306.3	4265.6	4215.0	4181.3	4114.9	4116.9	4033.6	4141.7	4948.0
45°	4717.9	4703.0	4555.2	4531.4	4586.0	4572.1	4629.6	4644.5	4482.8	4573.1	5426.0
47.5°	4977.7	4963.8	4838.9	4822.0	4969.8	4973.8	5177.1	5182.0	4921.2	5021.4	5905.0
50°	5298.1	5278.2	5154.3	5175.1	5340.7	5355.6	5727.5	5693.8	5324.8	5476.6	6380.1
52.5°	5509.3	5521.2	5494.4	5528.2	5754.3	5768.2	6269.0	6182.7	5724.5	5925.9	6846.2
55°	5665.0	5688.8	5772.1	5849.5	6190.7	6204.6	6779.8	6647.9	6055.8	6342.4	7284.6
57.5°	5865.4	5831.6	5987.4	6138.1	6605.2	6641.9	7276.7	7096.2	6349.4	6701.4	7585.1
60°	6153.0	6129.2	6250.2	6473.3	7069.4	7127.9	7802.3	7499.8	6564.6	6986.1	7643.6
62.5°	6736.1	6676.6	6695.5	6892.8	7654.5	7731.9	8395.4	7851.9	6671.7	7097.2	7330.2
65°	7607.9	7505.8	7410.6	7547.4	8478.7	8555.1	9064.8	8128.6	6632.0	6881.9	6498.1
67.5°	8705.8	8604.7	8487.6	8616.6	9692.6	9753.1	9891.0	8284.3	6319.6	6052.8	5027.3
70°	9611.3	9573.6	9713.5	10244.1	11631.6	11633.5	10950.2	8155.4	5463.7	4291.4	2908.9
72.5°	9491.3	9468.5	10205.4	11845.8	14075.3	14022.7	11952.9	7179.5	3680.5	1935.9	1090.0
75°	7786.4	7934.2	9075.7	11817.0	14953.0	14946.1	11339.0	4564.2	1522.4	802.3	563.3
77.5°	4175.4	4409.4	5892.1	8724.7	11673.2	11848.8	7971.9	1596.8	653.6	513.7	389.8
80°	1361.7	1566.0	2348.5	4442.2	7585.1	7552.4	3416.7	626.8	447.3	364.0	269.8
82.5°	578.2	602.0	1049.3	2097.6	3892.7	3832.2	1088.0	360.0	314.4	248.9	166.6
85°	226.1	252.9	463.2	970.0	1686.0	1649.3	392.7	178.5	201.3	162.7	99.2
87.5°	74.4	90.3	165.6	332.2	524.6	505.8	96.2	61.5	87.3	74.4	35.7
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°	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7	2444.7
2.5°	2465.6	2481.4	2500.3	2528.0	2551.8	2571.7	2592.5	2605.4	2610.4	2625.2	2624.2
5°	2483.4	2518.1	2564.7	2610.4	2655.0	2681.8	2705.6	2717.5	2728.4	2736.3	2738.3
7.5°	2513.2	2557.8	2631.2	2690.7	2728.4	2750.2	2766.1	2762.1	2766.1	2768.0	2771.0
10°	2538.9	2601.4	2688.7	2745.2	2774.0	2775.0	2771.0	2757.1	2750.2	2751.2	2753.2
12.5°	2569.7	2639.1	2733.3	2780.9	2788.9	2767.1	2750.2	2726.4	2717.5	2713.5	2711.5
15°	2611.3	2690.7	2781.9	2799.8	2779.9	2752.2	2723.4	2684.7	2664.9	2649.0	2654.0
17.5°	2661.9	2749.2	2819.6	2806.7	2764.1	2718.5	2671.8	2613.3	2572.7	2555.8	2556.8
20°	2732.3	2810.7	2848.4	2791.9	2727.4	2658.0	2578.6	2507.2	2469.5	2452.7	2450.7
22.5°	2817.6	2893.0	2876.2	2766.1	2674.8	2563.7	2464.6	2412.0	2393.2	2381.3	2383.2
25°	2919.8	2984.3	2896.0	2728.4	2588.5	2438.8	2362.4	2345.6	2336.6	2327.7	2327.7
27.5°	3052.7	3087.4	2910.9	2672.8	2453.7	2305.9	2278.1	2281.1	2278.1	2263.2	2266.2
30°	3228.2	3221.3	2924.7	2582.6	2298.9	2185.9	2187.9	2200.8	2202.7	2192.8	2197.8
32.5°	3459.3	3388.9	2931.7	2465.6	2151.2	2080.7	2082.7	2096.6	2106.5	2089.7	2097.6
35°	3739.0	3584.3	2920.8	2318.8	2037.1	1980.6	1965.7	1969.7	1972.6	1956.8	1967.7
37.5°	4065.3	3803.5	2872.2	2156.1	1942.9	1882.4	1850.7	1823.9	1808.0	1793.1	1803.0
40°	4423.3	4042.5	2782.9	1997.4	1837.8	1778.3	1730.6	1680.1	1626.5	1606.7	1615.6
42.5°	4798.2	4288.4	2674.8	1845.7	1716.8	1668.2	1617.6	1544.2	1463.9	1423.2	1428.2
45°	5187.0	4540.4	2568.7	1695.9	1592.8	1572.0	1513.5	1425.2	1337.9	1286.3	1282.4
47.5°	5567.8	4778.4	2413.0	1545.2	1476.8	1499.6	1453.9	1372.6	1275.4	1194.1	1185.2
50°	5931.8	5001.5	2158.1	1392.5	1382.5	1477.7	1434.1	1317.1	1206.0	1101.9	1092.9
52.5°	6292.8	5182.0	1831.8	1253.6	1332.0	1471.8	1408.3	1279.4	1143.5	1034.4	1022.5
55°	6599.3	5275.3	1517.4	1134.6	1258.6	1421.2	1377.6	1234.8	1055.2	939.2	929.3
57.5°	6773.8	5199.9	1255.6	1017.6	1157.4	1337.9	1325.0	1139.6	950.1	860.9	849.0
60°	6698.5	4894.4	1041.4	915.4	1061.2	1247.7	1233.8	1045.3	869.8	785.5	773.6
62.5°	6282.9	4312.2	871.8	826.1	973.9	1155.4	1142.5	972.9	808.3	727.0	714.1
65°	5445.8	3507.9	739.9	751.8	885.7	1044.3	1063.2	912.4	759.7	680.4	667.5
67.5°	4153.6	2540.9	636.7	687.3	799.4	935.2	989.8	868.8	719.0	643.7	631.8
70°	2367.4	1443.0	549.4	624.8	723.0	834.1	933.3	834.1	675.4	612.9	605.0
72.5°	897.6	662.5	475.1	562.3	649.6	748.8	870.8	779.5	624.8	578.2	570.3
75°	479.0	403.7	399.7	488.9	565.3	665.5	792.4	726.0	587.1	610.9	630.8
77.5°	326.3	285.6	334.2	418.5	473.1	573.2	709.1	644.7	508.8	506.8	467.1
80°	226.1	202.3	271.7	337.2	366.0	482.0	618.9	553.4	414.6	386.8	369.9
82.5°	135.9	131.9	203.3	251.9	258.9	371.9	512.7	464.2	339.2	295.5	297.5
85°	74.4	78.4	129.9	147.8	150.7	259.8	401.7	359.0	260.8	219.2	221.2
87.5°	20.8	26.8	47.6	58.5	72.4	134.9	239.0	213.2	130.9	91.2	91.2
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)