

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: P940245

Luminaire Tested: **GALN-SB3B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940245
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-SB3B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

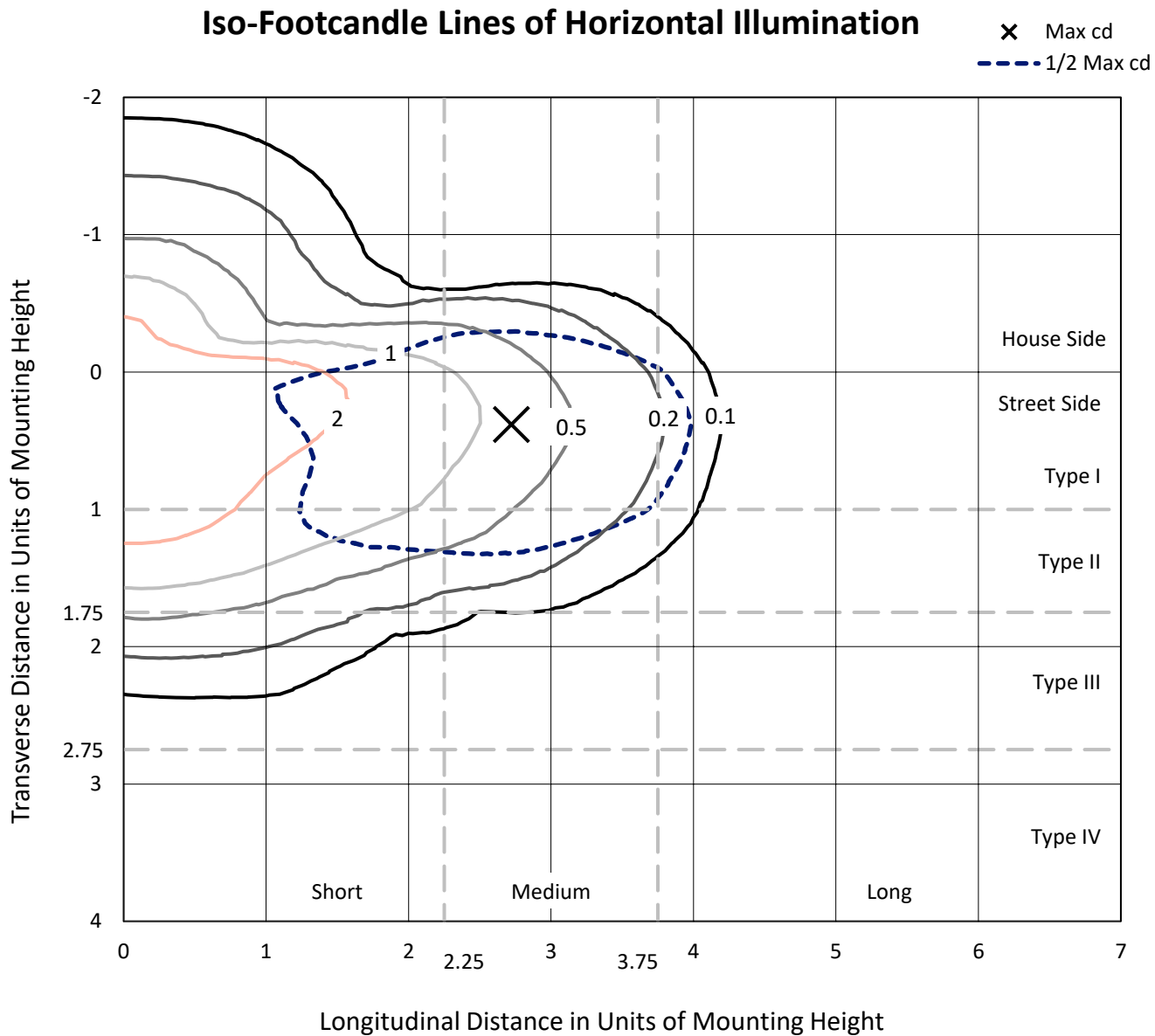
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13829 lumens
Efficiency: N/A
Efficacy: 126.6 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): 109.2
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

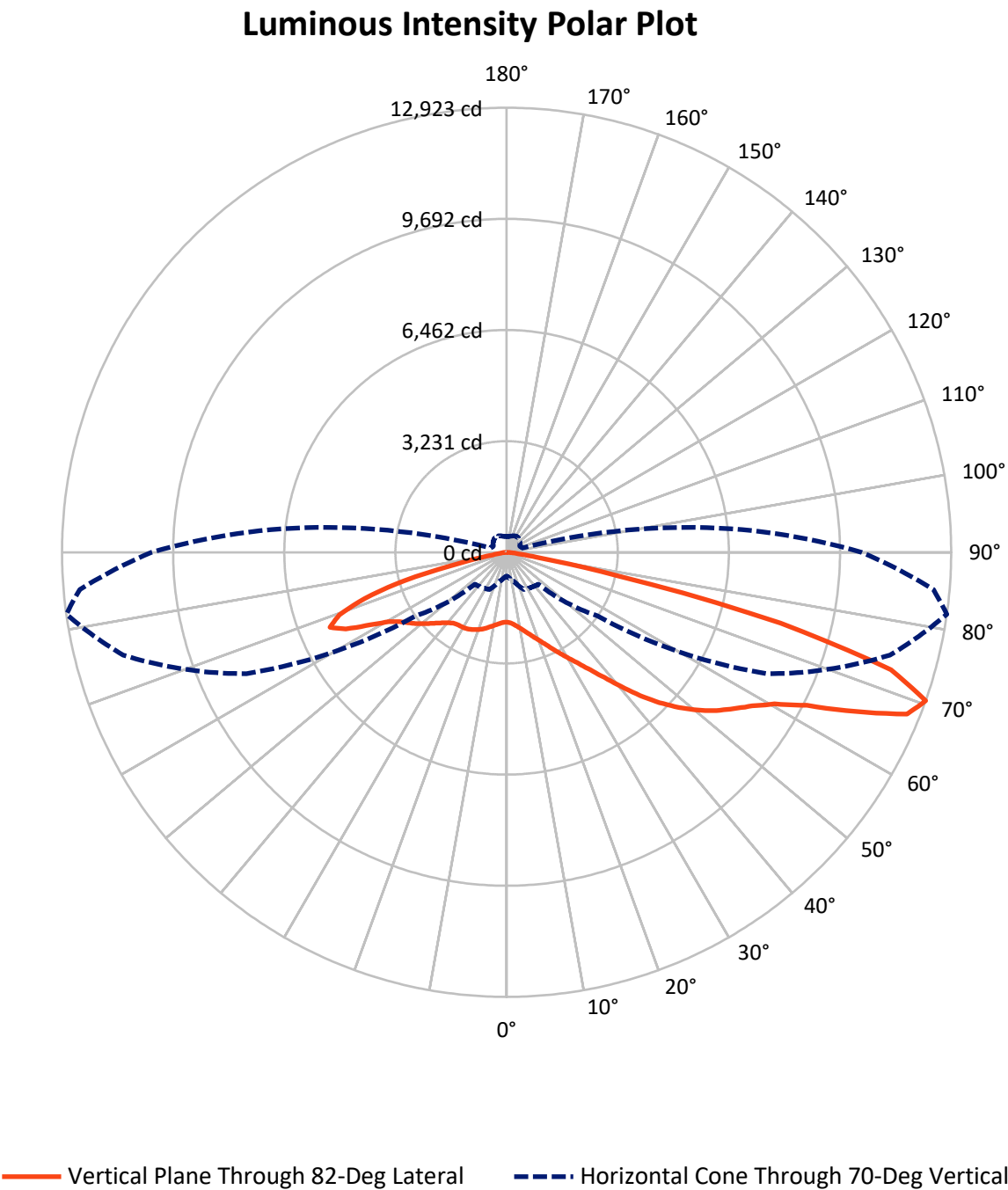


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Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3409.2	0.0	3409.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	10419.8	0.0	10419.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	13829.0	0.0	13829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	1.4
10°-20°	550.0	4.0
20°-30°	920.1	6.7
30°-40°	1437.4	10.4
40°-50°	2289.3	16.6
50°-60°	3185.8	23.0
60°-70°	3332.5	24.1
70°-80°	1741.7	12.6
80°-90°	180.9	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°	13829.0	100.0
0°-180°	13829.0	100.0

Coefficient of Utilization



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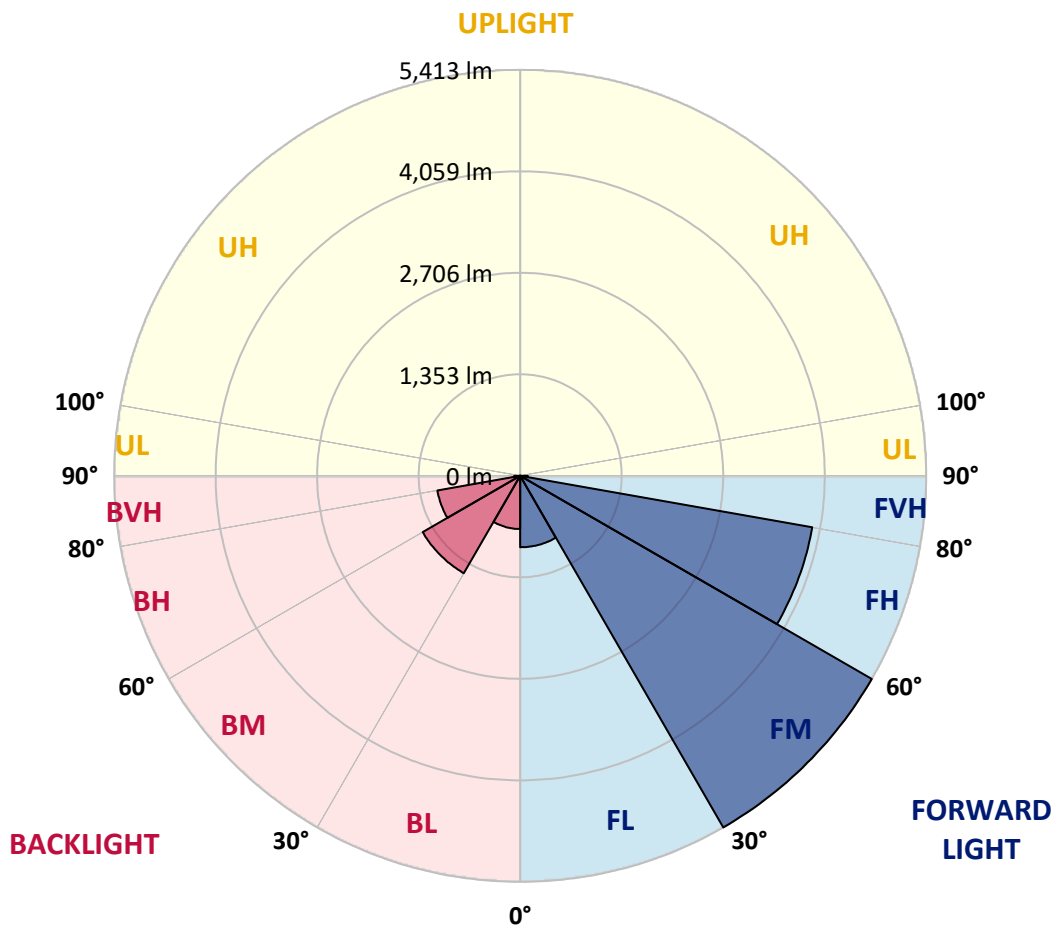
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	952.3	6.9			
FM	(30°-60°)	5412.5	39.1			
FH	(60°-80°)	3953.8	28.6			G2/5000
FVH	(80°-90°)	101.2	0.7			G2/225
BL	(0°-30°)	709.2	5.1	B2/1000		
BM	(30°-60°)	1499.9	10.8	B2/2500		
BH	(60°-80°)	1120.4	8.1	B3/2500		G3/2500
BVH	(80°-90°)	79.6	0.6			G1/100
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°	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5
2.5°	2075.9	2087.7	2084.0	2080.3	2080.3	2075.2	2074.5	2067.1	2061.3	2051.7	2049.5
5°	2102.4	2114.8	2113.4	2116.3	2125.8	2128.0	2130.2	2125.8	2114.1	2102.4	2097.2
7.5°	2078.9	2092.8	2097.2	2114.8	2144.2	2170.6	2190.4	2198.5	2187.5	2170.6	2162.5
10°	1999.6	2015.0	2030.4	2072.3	2124.4	2186.7	2239.6	2271.1	2268.9	2252.8	2238.8
12.5°	1838.9	1855.1	1888.1	1969.5	2064.9	2175.0	2273.3	2339.4	2362.1	2350.4	2326.2
15°	1710.5	1724.4	1749.4	1833.0	1957.1	2124.4	2285.8	2414.2	2472.2	2465.6	2436.2
17.5°	1706.8	1712.7	1728.1	1767.7	1863.1	2045.1	2272.6	2487.6	2598.4	2597.7	2561.0
20°	1771.4	1773.6	1782.4	1790.5	1844.8	1984.9	2238.8	2548.5	2740.0	2740.0	2700.4
22.5°	1860.9	1859.5	1868.3	1860.9	1887.3	1979.8	2217.6	2602.1	2897.8	2909.5	2859.6
25°	1995.2	1987.9	1985.7	1968.8	1973.9	2027.5	2241.0	2663.0	3084.9	3109.1	3046.8
27.5°	2174.3	2162.5	2154.5	2115.6	2102.4	2125.8	2313.0	2736.4	3293.3	3335.1	3255.9
30°	2407.6	2386.3	2374.6	2307.1	2259.4	2263.1	2421.6	2834.0	3511.3	3578.8	3478.2
32.5°	2726.1	2693.1	2661.5	2550.7	2463.4	2434.8	2561.7	2969.0	3747.5	3855.4	3726.3
35°	3082.7	3056.3	3022.5	2851.6	2717.3	2651.2	2751.0	3157.6	4024.2	4195.2	4027.1
37.5°	3426.1	3403.4	3419.5	3189.1	3015.9	2919.8	2999.1	3410.7	4365.4	4617.8	4404.3
40°	3781.3	3763.7	3765.9	3545.7	3344.0	3236.1	3299.9	3728.5	4756.5	5120.5	4857.8
42.5°	4167.3	4154.1	4110.0	3914.9	3688.1	3587.6	3646.3	4095.4	5176.3	5692.9	5355.3
45°	4599.5	4591.4	4550.3	4326.5	4066.7	3953.7	4033.0	4500.4	5598.2	6231.5	5855.0
47.5°	4973.0	4979.6	4974.5	4785.9	4516.6	4350.7	4445.4	4923.1	5990.8	6737.8	6334.2
50°	5152.8	5187.3	5237.9	5179.2	5011.9	4843.1	4861.5	5331.1	6365.0	7212.6	6793.6
52.5°	5058.9	5124.2	5262.1	5356.0	5420.6	5385.4	5336.2	5736.2	6717.3	7641.1	7228.0
55°	4708.8	4800.6	5029.5	5256.2	5585.7	5841.8	5906.4	6185.2	7060.7	8018.3	7638.9
57.5°	4071.2	4220.1	4425.6	4884.2	5439.0	6062.7	6571.2	6808.2	7424.6	8421.2	8068.9
60°	2977.8	3177.4	3432.7	4115.2	4925.3	5944.6	7137.0	7765.1	7942.0	8942.9	8628.8
62.5°	1905.7	2029.0	2263.8	2906.6	3837.8	5339.2	7310.2	8961.2	8818.9	9798.5	9468.3
65°	1304.7	1384.0	1599.0	1960.0	2481.0	3974.3	6846.4	9857.9	10211.6	11154.6	10903.6
67.5°	948.1	1008.2	1191.7	1508.0	1616.6	2351.8	5312.8	9816.8	11565.5	12551.7	12161.4
70°	691.2	733.8	887.9	1191.7	1243.8	1308.4	3218.5	8344.8	11536.2	12923.0	12455.6
72.5°	512.2	541.5	645.0	924.6	1006.8	883.5	1593.1	6064.9	9913.0	11688.8	11313.8
75°	370.6	392.6	468.9	707.4	805.7	672.9	794.7	3544.3	6914.6	8222.3	8288.3
77.5°	283.2	300.1	350.0	518.1	645.0	504.9	493.1	1630.5	3278.6	3294.8	3479.7
80°	227.5	238.5	265.6	364.7	494.6	377.9	321.4	658.2	1036.1	876.9	920.2
82.5°	167.3	185.7	224.5	256.1	353.7	260.5	195.9	332.4	394.1	339.0	342.0
85°	95.4	107.9	135.8	183.5	226.0	159.2	112.3	147.5	183.5	150.4	134.3
87.5°	33.8	44.0	47.7	71.9	98.3	66.0	43.3	42.6	60.2	44.8	37.4
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°	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5	2027.5
2.5°	2042.2	2038.5	2023.8	2004.0	1983.5	1963.7	1957.1	1943.1	1933.6	1928.4	1934.3
5°	2083.3	2071.5	2037.0	1993.0	1946.8	1896.9	1861.7	1829.4	1805.9	1783.9	1792.7
7.5°	2142.0	2121.4	2062.0	1984.9	1902.8	1819.8	1758.2	1711.2	1679.7	1659.1	1663.5
10°	2210.2	2178.7	2087.7	1972.5	1845.5	1726.6	1654.0	1613.6	1593.8	1582.8	1585.8
12.5°	2288.7	2244.0	2114.1	1943.9	1758.2	1622.4	1572.5	1560.8	1561.5	1562.3	1563.7
15°	2385.6	2323.2	2135.4	1881.5	1644.5	1542.5	1533.7	1552.7	1572.5	1582.1	1581.4
17.5°	2494.9	2406.9	2139.0	1778.7	1532.9	1491.1	1519.0	1560.1	1590.2	1603.4	1606.3
20°	2612.3	2492.0	2112.6	1633.5	1441.2	1449.3	1499.2	1552.0	1585.0	1601.9	1606.3
22.5°	2746.6	2583.0	2049.5	1480.8	1366.3	1403.8	1462.5	1513.8	1548.3	1565.2	1569.6
25°	2900.0	2685.0	1950.5	1352.4	1301.8	1352.4	1411.1	1453.7	1481.6	1497.0	1501.4
27.5°	3070.2	2791.4	1818.4	1250.4	1245.3	1299.6	1348.0	1381.0	1395.7	1407.4	1411.8
30°	3241.2	2888.3	1658.4	1173.4	1196.1	1247.5	1282.0	1296.6	1301.0	1303.2	1308.4
32.5°	3426.1	2971.9	1490.4	1109.5	1149.1	1196.8	1217.4	1224.0	1203.4	1189.5	1193.9
35°	3649.9	3061.4	1326.0	1058.9	1102.9	1144.0	1150.6	1144.7	1120.5	1091.9	1093.4
37.5°	3926.6	3173.0	1194.6	1022.9	1059.6	1086.8	1078.7	1077.2	1079.4	1045.7	1047.9
40°	4265.6	3318.3	1098.5	995.0	1024.4	1030.3	1007.5	1020.0	1031.0	979.6	981.1
42.5°	4642.1	3493.6	1037.6	976.0	995.0	981.1	945.9	959.8	958.3	890.8	890.1
45°	5025.8	3684.4	1016.3	962.0	967.9	940.0	901.1	904.8	874.0	813.1	815.3
47.5°	5407.4	3889.2	1029.5	950.3	934.1	902.6	872.5	856.4	810.9	765.4	765.4
50°	5781.7	4104.2	1078.0	926.8	887.9	869.6	847.5	818.9	770.5	731.6	728.7
52.5°	6128.7	4320.6	1132.3	887.9	829.9	840.9	827.0	794.0	746.3	706.7	707.4
55°	6457.5	4537.1	1153.5	834.3	775.6	816.0	807.9	747.0	689.8	657.5	654.6
57.5°	6815.6	4797.6	1130.1	766.1	731.6	787.4	756.6	689.0	656.0	631.8	629.6
60°	7311.6	5206.3	1079.4	681.7	689.8	744.8	692.0	664.1	628.1	601.0	599.5
62.5°	8135.7	5968.8	998.0	598.1	640.6	681.7	661.2	633.3	596.6	570.2	570.2
65°	9353.8	7028.4	844.6	532.7	585.6	620.1	628.1	600.3	562.1	534.2	535.7
67.5°	10381.1	7693.2	639.1	478.4	529.1	570.2	592.9	565.8	525.4	498.3	499.0
70°	10324.6	7210.4	488.0	424.9	479.2	521.0	550.4	529.1	485.8	460.1	462.3
72.5°	9170.4	6031.9	394.8	370.6	428.5	469.6	504.9	488.7	444.7	419.7	419.7
75°	6737.1	4281.8	315.5	315.5	365.4	416.1	455.0	444.7	404.3	386.7	381.6
77.5°	2839.8	1796.4	247.3	262.0	303.8	357.4	405.8	409.5	374.2	396.3	359.6
80°	755.1	495.3	188.6	206.2	238.5	295.0	353.0	351.5	313.3	292.8	272.2
82.5°	287.7	195.2	134.3	145.3	172.4	226.0	279.6	288.4	250.2	216.5	216.5
85°	110.8	83.7	82.9	87.3	100.5	149.7	211.3	218.7	188.6	160.0	165.1
87.5°	28.6	24.9	30.8	29.4	46.2	80.0	121.1	125.5	115.2	66.8	95.4
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)