

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: P950913

Luminaire Tested: **GALN-SB5B-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23934 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 182.7
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

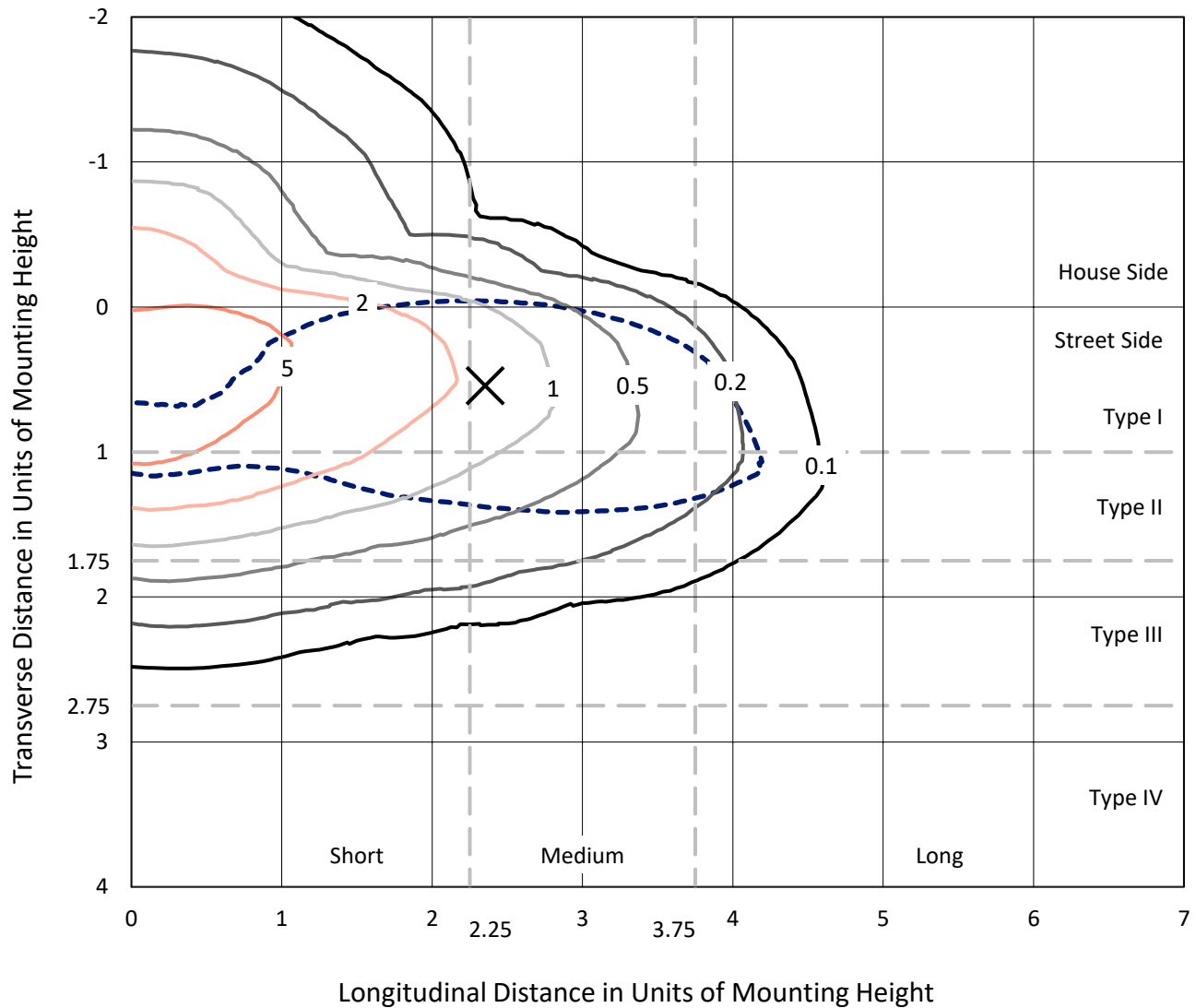


REPORT NUMBER: P950913

CATALOG NUMBER: GALN-SB5B-722-U-T2R

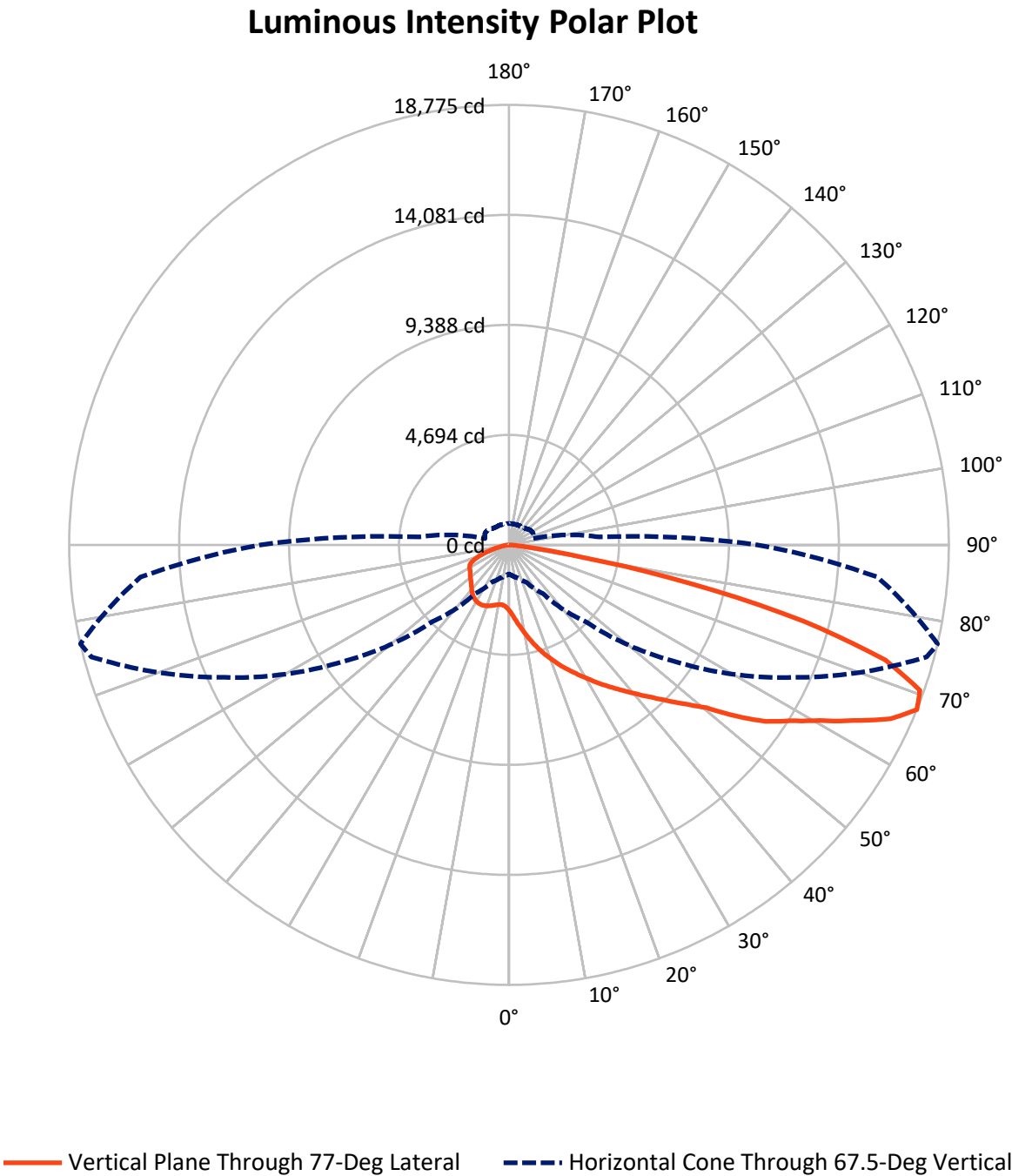
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P950913
CATALOG NUMBER: GALN-SB5B-722-U-T2R



REPORT NUMBER: P950913

CATALOG NUMBER: GALN-SB5B-722-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4527.4	0.0	4527.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	19406.6	0.0	19406.6
	% Fixture	81.1	0.0	81.1
Total	Lumens	23934.0	0.0	23934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	1.3
10°-20°	1081.4	4.5
20°-30°	2041.7	8.5
30°-40°	3289.2	13.7
40°-50°	4499.1	18.8
50°-60°	5075.0	21.2
60°-70°	4736.8	19.8
70°-80°	2596.6	10.8
80°-90°	313.2	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°	23934.0	100.0
0°-180°	23934.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950913

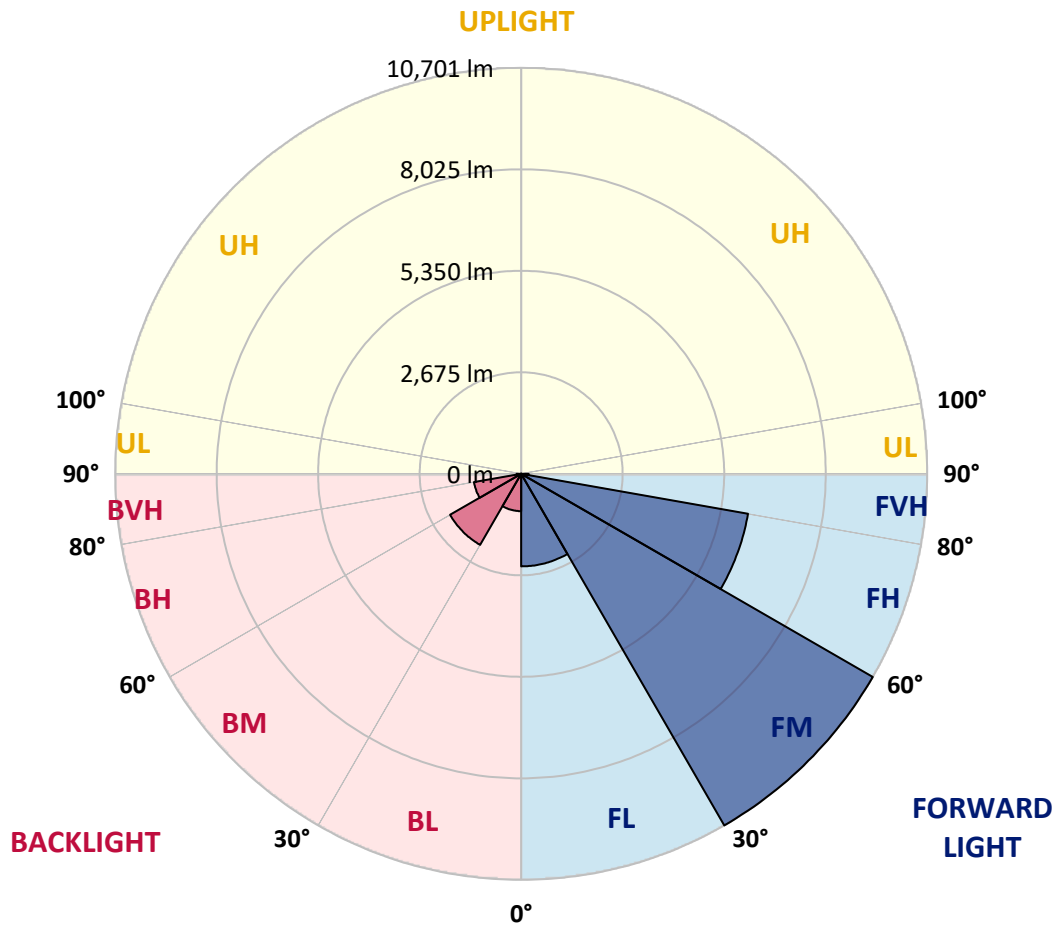
CATALOG NUMBER: GALN-SB5B-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2439.8	10.2			
FM	(30°-60°)	10700.6	44.7			
FH	(60°-80°)	6070.4	25.4			G3/7500
FVH	(80°-90°)	195.9	0.8			G2/225
BL	(0°-30°)	984.4	4.1	B2/1000		
BM	(30°-60°)	2162.6	9.0	B2/2500		
BH	(60°-80°)	1263.1	5.3	B3/2500		G3/2500
BVH	(80°-90°)	117.3	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-G3

Type II Medium



REPORT NUMBER: P950913

CATALOG NUMBER: GALN-SB5B-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2
2.5°	3516.1	3540.8	3509.9	3509.9	3406.2	3351.8	3248.0	3169.0	3026.9	3002.2	2908.3
5°	4156.1	4187.0	4143.7	4125.2	4002.9	3890.5	3716.3	3544.5	3291.3	3265.3	3044.2
7.5°	4651.5	4691.0	4652.7	4633.0	4524.3	4398.2	4194.4	3954.7	3597.7	3547.0	3227.0
10°	5055.5	5061.7	5049.3	5056.7	4971.5	4867.7	4658.9	4379.7	3933.7	3864.5	3448.2
12.5°	5284.1	5312.5	5337.2	5381.7	5366.8	5302.6	5114.8	4781.2	4289.5	4200.6	3689.1
15°	5391.5	5441.0	5496.6	5599.1	5681.9	5697.9	5554.6	5212.4	4651.5	4544.0	3932.5
17.5°	5429.8	5476.8	5564.5	5712.8	5890.7	6010.5	5946.3	5631.2	5009.8	4886.2	4188.2
20°	5623.8	5637.4	5690.5	5831.4	6024.1	6223.0	6271.2	6034.0	5364.4	5224.8	4452.6
22.5°	6038.9	6011.8	6026.6	6090.8	6229.2	6421.9	6531.9	6389.8	5728.8	5568.2	4719.5
25°	6724.6	6645.5	6566.5	6492.3	6562.8	6671.5	6796.3	6745.6	6110.6	5906.7	4988.8
27.5°	7590.7	7494.3	7320.1	7076.7	6991.5	7029.8	7085.4	7075.5	6463.9	6257.6	5266.8
30°	8443.1	8330.7	8123.2	7771.0	7546.2	7444.9	7402.9	7374.5	6848.2	6628.2	5547.2
32.5°	9123.9	9034.9	8831.1	8437.0	8110.8	7937.8	7798.2	7696.9	7249.7	7029.8	5843.7
35°	9719.4	9636.6	9403.1	8973.1	8618.6	8434.5	8251.6	8035.4	7667.3	7444.9	6162.5
37.5°	10263.0	10180.2	9860.2	9413.0	9055.9	8928.7	8765.6	8398.7	8086.1	7876.1	6499.8
40°	10606.4	10587.9	10288.9	9782.4	9411.7	9348.7	9294.4	8820.0	8550.6	8355.4	6870.4
42.5°	10694.1	10734.9	10497.7	10081.4	9728.0	9677.4	9804.6	9296.8	9072.0	8885.4	7290.5
45°	10482.9	10600.3	10444.6	10161.7	9952.9	9925.7	10256.8	9818.2	9648.9	9478.5	7797.0
47.5°	9947.9	10146.8	10082.6	10043.1	10013.4	10130.8	10654.6	10371.7	10302.5	10154.3	8375.2
50°	8868.1	9245.0	9357.4	9606.9	9893.6	10290.2	11016.6	10975.8	11066.0	10916.5	9079.4
52.5°	7001.4	7520.2	8172.6	8797.7	9525.4	10237.0	11414.4	11843.1	12223.6	12142.1	10198.7
55°	5779.5	6013.0	6514.6	7661.1	8811.3	10013.4	11593.6	12543.6	13372.6	13299.7	11047.5
57.5°	4840.5	5049.3	5358.2	6315.7	7731.5	9505.6	11704.8	12971.1	14159.6	14152.2	11885.1
60°	3833.6	4054.8	4371.1	5049.3	6470.1	8628.5	11680.0	13457.9	15164.0	15225.8	12906.9
62.5°	2697.0	2940.4	3291.3	3923.8	5181.5	7491.8	11176.0	13810.0	16346.4	16514.4	14136.1
65°	1772.9	1933.5	2197.9	2744.0	3860.8	6030.3	10213.6	13855.7	17611.5	17895.6	15290.1
67.5°	1242.9	1304.6	1460.3	1756.8	2545.0	4624.3	8680.3	13382.5	18455.3	18775.3	15790.4
70°	969.8	1000.7	1079.8	1198.4	1598.7	3109.7	6651.7	12152.0	18274.9	18608.5	15267.8
72.5°	837.6	867.3	896.9	911.8	1072.4	1919.9	4505.7	10160.4	16576.2	16802.3	13275.0
75°	759.8	767.2	791.9	787.0	817.9	1245.3	2600.6	7402.9	13078.6	13000.8	9799.7
77.5°	638.7	648.6	689.4	683.2	726.5	851.2	1350.4	4777.5	8479.0	7950.2	5454.6
80°	541.1	546.1	590.6	583.1	631.3	616.5	689.4	2435.1	3596.4	3046.6	1572.7
82.5°	187.8	232.3	450.9	464.5	481.8	373.1	397.8	993.3	1098.3	841.3	329.9
85°	91.4	97.6	229.8	326.2	324.9	187.8	194.0	354.6	345.9	271.8	110.0
87.5°	14.8	18.5	27.2	127.3	101.3	49.4	66.7	69.2	71.7	61.8	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950913

CATALOG NUMBER: GALN-SB5B-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2	2808.2
2.5°	2839.1	2777.3	2647.6	2527.8	2433.9	2343.7	2293.0	2249.8	2225.1	2220.1	2220.1
5°	2915.7	2788.4	2552.5	2353.6	2223.8	2127.5	2076.8	2044.7	2028.6	2018.7	2017.5
7.5°	3025.6	2839.1	2503.0	2277.0	2141.1	2071.9	2045.9	2041.0	2039.7	2041.0	2044.7
10°	3177.6	2921.9	2498.1	2258.4	2144.8	2106.5	2105.2	2106.5	2111.4	2112.6	2113.9
12.5°	3341.9	3007.1	2517.9	2274.5	2191.7	2170.7	2167.0	2165.8	2169.5	2171.9	2173.2
15°	3521.1	3119.5	2551.2	2309.1	2243.6	2221.4	2217.7	2210.2	2209.0	2207.8	2206.5
17.5°	3705.1	3230.7	2588.3	2346.1	2277.0	2246.1	2232.5	2215.2	2201.6	2197.9	2201.6
20°	3891.7	3340.7	2614.2	2364.7	2279.4	2236.2	2209.0	2179.4	2155.9	2142.3	2147.2
22.5°	4090.6	3455.6	2630.3	2359.7	2257.2	2197.9	2148.5	2113.9	2078.0	2054.6	2055.8
25°	4284.6	3555.7	2629.1	2333.8	2213.9	2138.6	2075.6	2031.1	1981.7	1957.0	1957.0
27.5°	4471.1	3645.8	2598.2	2288.1	2152.2	2068.2	1992.8	1939.7	1891.5	1868.0	1866.8
30°	4663.9	3721.2	2550.0	2221.4	2079.3	1986.6	1903.8	1858.1	1814.9	1792.7	1791.4
32.5°	4855.4	3790.4	2482.0	2138.6	1995.3	1906.3	1824.8	1782.8	1756.8	1756.8	1758.1
35°	5058.0	3838.6	2391.9	2042.2	1906.3	1821.1	1756.8	1732.1	1729.6	1714.8	1711.1
37.5°	5271.7	3869.5	2281.9	1943.4	1818.6	1738.3	1718.5	1688.9	1664.2	1632.0	1627.1
40°	5496.6	3900.3	2149.7	1840.8	1725.9	1681.5	1672.8	1633.3	1562.9	1483.8	1472.7
42.5°	5769.6	3921.4	2012.6	1738.3	1628.3	1613.5	1625.9	1557.9	1445.5	1386.2	1387.4
45°	6085.9	3955.9	1886.5	1637.0	1528.3	1528.3	1580.2	1491.2	1398.5	1361.5	1367.7
47.5°	6496.1	4036.2	1769.2	1525.8	1435.6	1460.3	1478.8	1410.9	1359.0	1313.3	1312.1
50°	7089.1	4229.0	1648.1	1413.4	1365.2	1414.6	1388.7	1349.1	1288.6	1251.5	1247.8
52.5°	7825.4	4342.6	1540.6	1312.1	1304.6	1354.1	1317.0	1279.9	1234.2	1184.8	1174.9
55°	8327.0	4363.6	1450.4	1237.9	1263.9	1258.9	1245.3	1212.0	1187.3	1121.8	1123.0
57.5°	8887.9	4405.7	1376.3	1193.5	1237.9	1183.6	1178.6	1150.2	1118.1	1073.6	1058.8
60°	9558.8	4471.1	1312.1	1176.2	1215.7	1134.2	1109.4	1098.3	1066.2	1044.0	1050.1
62.5°	10290.2	4530.4	1246.6	1178.6	1189.7	1086.0	1048.9	1045.2	1025.4	1018.0	1018.0
65°	10789.3	4368.6	1165.0	1176.2	1149.0	1036.6	989.6	988.4	972.3	969.8	968.6
67.5°	10615.1	3855.9	1055.1	1141.6	1107.0	987.1	935.2	930.3	909.3	910.5	910.5
70°	9742.8	3124.5	903.1	1056.3	1055.1	942.7	878.4	862.4	833.9	838.9	843.8
72.5°	8107.1	2315.3	699.3	914.2	972.3	901.9	812.9	787.0	751.2	756.1	754.9
75°	5854.8	1574.0	509.0	695.6	846.3	853.7	748.7	704.2	661.0	668.4	670.9
77.5°	2996.0	892.0	374.3	479.4	664.7	775.9	690.6	631.3	621.4	690.6	680.7
80°	977.2	447.2	259.4	336.0	436.1	635.0	605.4	537.4	535.0	551.0	473.2
82.5°	291.6	189.0	166.8	221.1	240.9	486.8	522.6	406.5	349.6	368.2	380.5
85°	100.1	91.4	95.1	110.0	114.9	285.4	365.7	269.3	254.5	280.4	276.7
87.5°	23.5	32.1	27.2	24.7	24.7	69.2	142.1	112.4	155.7	103.8	100.1
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)