

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: P938885

Luminaire Tested: **GALN-SB1B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938885
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-SB1B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4611 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

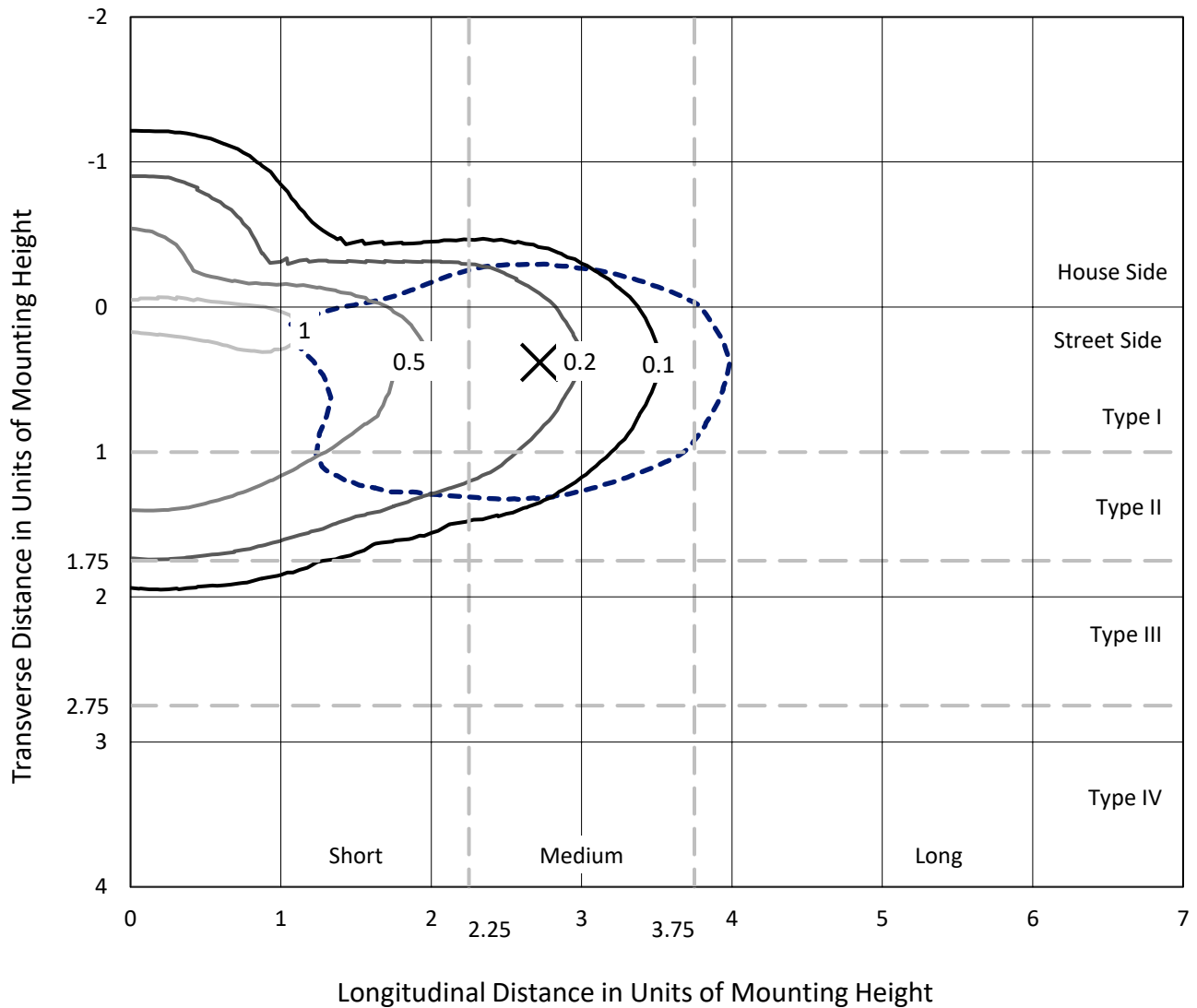
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P938885
 CATALOG NUMBER: GALN-SB1B-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

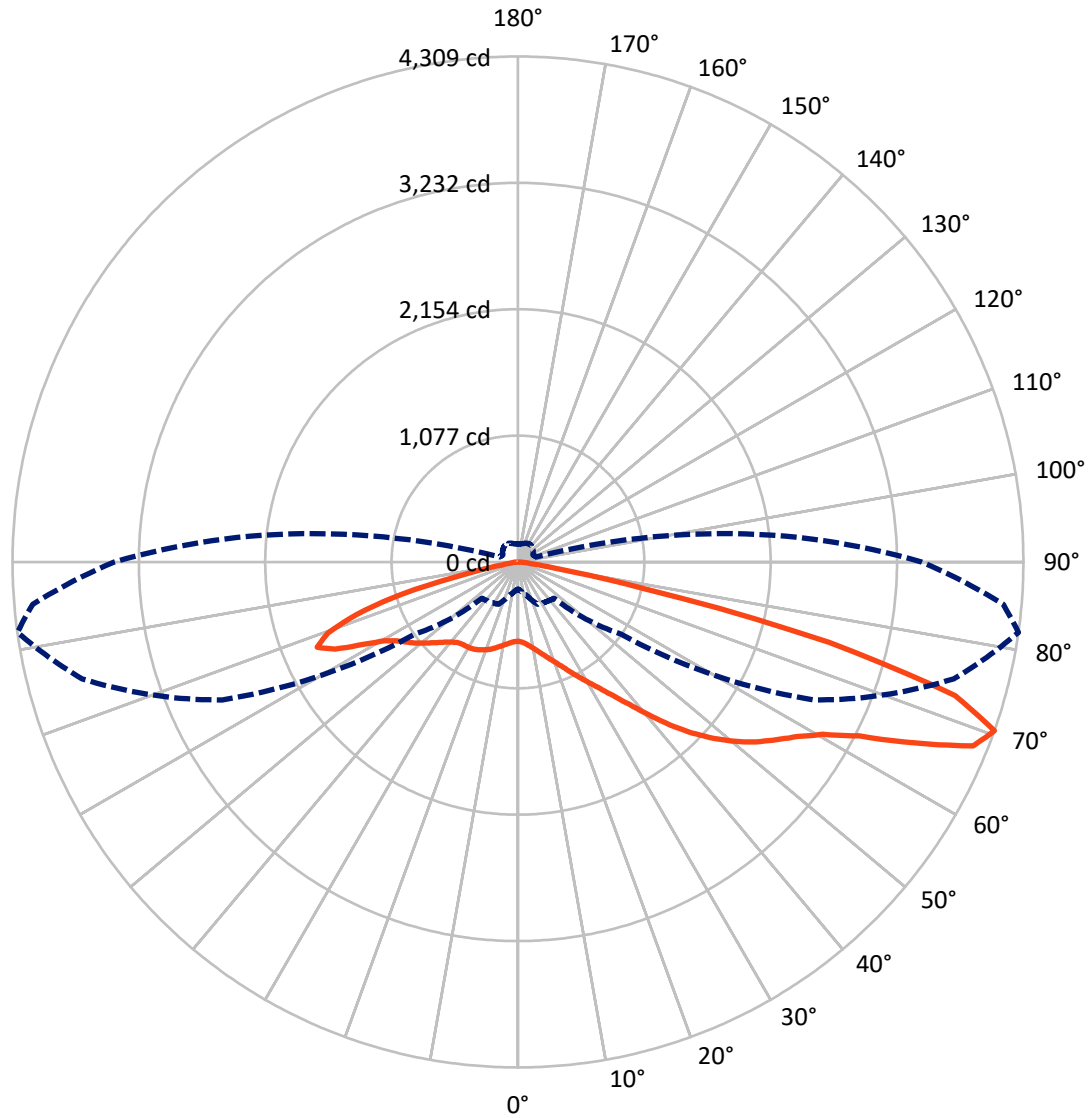
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P938885
CATALOG NUMBER: GALN-SB1B-722-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P938885

CATALOG NUMBER: GALN-SB1B-722-U-T2

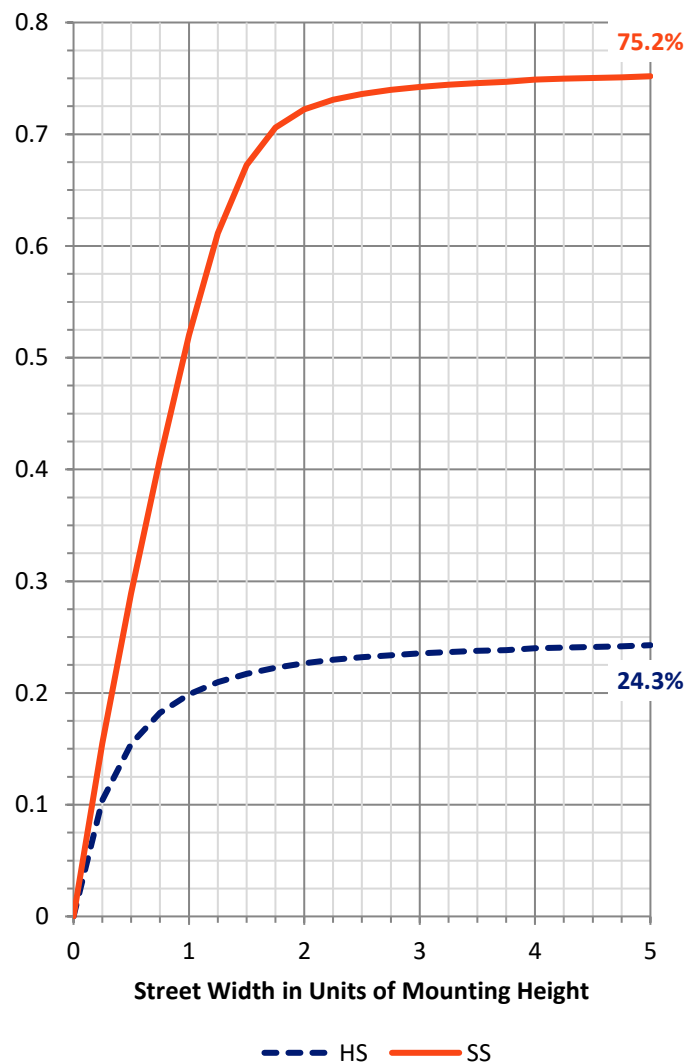
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1136.7	0.0	1136.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3474.3	0.0	3474.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	4611.0	0.0	4611.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	1.4
10°-20°	183.4	4.0
20°-30°	306.8	6.7
30°-40°	479.3	10.4
40°-50°	763.3	16.6
50°-60°	1062.2	23.0
60°-70°	1111.1	24.1
70°-80°	580.7	12.6
80°-90°	60.3	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°	4611.0	100.0
0°-180°	4611.0	100.0

Coefficient of Utilization



REPORT NUMBER: P938885

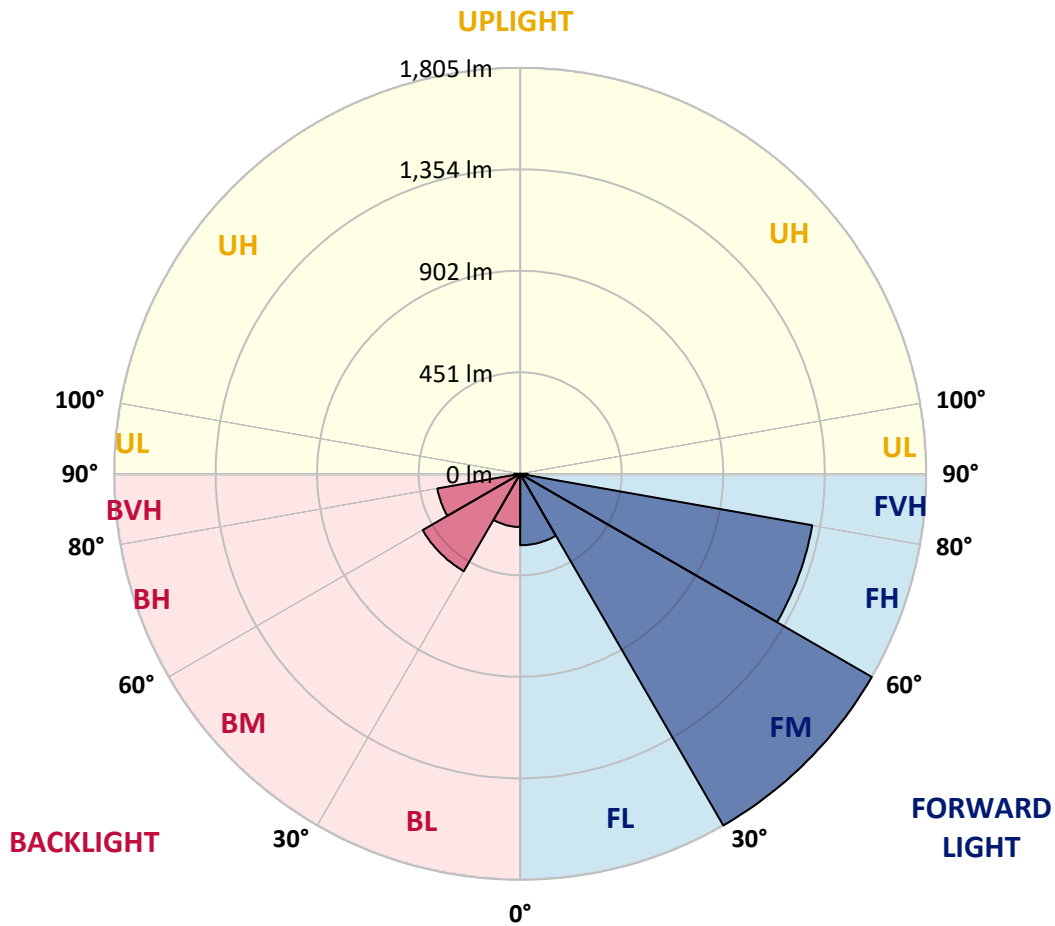
CATALOG NUMBER: GALN-SB1B-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.5	6.9			
FM (30°-60°)	1804.7	39.1			
FH (60°-80°)	1318.3	28.6			G1/1800
FVH (80°-90°)	33.8	0.7			G1/100
BL (0°-30°)	236.5	5.1	B1/500		
BM (30°-60°)	500.1	10.8	B1/1000		
BH (60°-80°)	373.6	8.1	B1/500		G1/500
BVH (80°-90°)	26.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



REPORT NUMBER: P938885

CATALOG NUMBER: GALN-SB1B-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0
2.5°	692.2	696.1	694.9	693.6	693.6	691.9	691.7	689.2	687.3	684.1	683.4
5°	701.0	705.1	704.7	705.6	708.8	709.6	710.3	708.8	704.9	701.0	699.3
7.5°	693.2	697.8	699.3	705.1	714.9	723.7	730.3	733.0	729.4	723.7	721.1
10°	666.7	671.9	677.0	691.0	708.3	729.1	746.7	757.3	756.5	751.1	746.5
12.5°	613.1	618.5	629.5	656.7	688.5	725.2	758.0	780.0	787.6	783.7	775.6
15°	570.3	575.0	583.3	611.2	652.5	708.3	762.2	805.0	824.3	822.1	812.3
17.5°	569.1	571.1	576.2	589.4	621.2	681.9	757.8	829.4	866.4	866.1	853.9
20°	590.6	591.4	594.3	597.0	615.1	661.8	746.5	849.7	913.6	913.6	900.4
22.5°	620.5	620.0	622.9	620.5	629.3	660.1	739.4	867.6	966.2	970.1	953.5
25°	665.3	662.8	662.1	656.5	658.2	676.0	747.2	887.9	1028.6	1036.7	1015.9
27.5°	725.0	721.1	718.4	705.4	701.0	708.8	771.2	912.4	1098.1	1112.0	1085.6
30°	802.8	795.7	791.8	769.3	753.3	754.6	807.4	944.9	1170.8	1193.3	1159.7
32.5°	909.0	897.9	887.4	850.5	821.4	811.8	854.2	989.9	1249.5	1285.5	1242.4
35°	1027.9	1019.1	1007.8	950.8	906.0	884.0	917.3	1052.8	1341.8	1398.8	1342.8
37.5°	1142.4	1134.8	1140.2	1063.3	1005.6	973.6	1000.0	1137.2	1455.6	1539.7	1468.5
40°	1260.8	1254.9	1255.7	1182.3	1115.0	1079.0	1100.3	1243.2	1586.0	1707.3	1619.7
42.5°	1389.5	1385.1	1370.4	1305.3	1229.7	1196.2	1215.8	1365.5	1725.9	1898.2	1785.6
45°	1533.6	1530.9	1517.2	1442.6	1356.0	1318.3	1344.7	1500.6	1866.6	2077.8	1952.2
47.5°	1658.1	1660.3	1658.6	1595.8	1506.0	1450.7	1482.2	1641.5	1997.5	2246.6	2112.0
50°	1718.1	1729.6	1746.5	1726.9	1671.1	1614.8	1621.0	1777.5	2122.3	2404.9	2265.2
52.5°	1686.8	1708.5	1754.5	1785.9	1807.4	1795.7	1779.3	1912.6	2239.7	2547.8	2410.0
55°	1570.1	1600.6	1677.0	1752.6	1862.4	1947.8	1969.4	2062.3	2354.2	2673.5	2547.0
57.5°	1357.4	1407.1	1475.6	1628.5	1813.5	2021.5	2191.0	2270.1	2475.6	2807.9	2690.4
60°	992.9	1059.4	1144.6	1372.1	1642.2	1982.1	2379.7	2589.1	2648.1	2981.8	2877.1
62.5°	635.4	676.5	754.8	969.1	1279.6	1780.2	2437.4	2987.9	2940.5	3267.1	3157.0
65°	435.0	461.5	533.1	653.5	827.2	1325.1	2282.8	3286.9	3404.9	3719.3	3635.6
67.5°	316.1	336.2	397.3	502.8	539.0	784.2	1771.4	3273.2	3856.3	4185.1	4055.0
70°	230.5	244.7	296.1	397.3	414.7	436.3	1073.1	2782.4	3846.5	4308.9	4153.1
72.5°	170.8	180.6	215.1	308.3	335.7	294.6	531.2	2022.2	3305.3	3897.4	3772.4
75°	123.6	130.9	156.3	235.9	268.7	224.4	265.0	1181.8	2305.5	2741.6	2763.6
77.5°	94.4	100.1	116.7	172.7	215.1	168.3	164.4	543.7	1093.2	1098.6	1160.2
80°	75.8	79.5	88.6	121.6	164.9	126.0	107.2	219.5	345.5	292.4	306.8
82.5°	55.8	61.9	74.9	85.4	117.9	86.9	65.3	110.8	131.4	113.0	114.0
85°	31.8	36.0	45.3	61.2	75.4	53.1	37.4	49.2	61.2	50.2	44.8
87.5°	11.3	14.7	15.9	24.0	32.8	22.0	14.4	14.2	20.1	14.9	12.5
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: P938885
 CATALOG NUMBER: GALN-SB1B-722-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0
2.5°	680.9	679.7	674.8	668.2	661.3	654.7	652.5	647.9	644.7	643.0	645.0
5°	694.6	690.7	679.2	664.5	649.1	632.5	620.7	610.0	602.1	594.8	597.7
7.5°	714.2	707.3	687.5	661.8	634.4	606.8	586.2	570.6	560.1	553.2	554.7
10°	737.0	726.4	696.1	657.7	615.4	575.7	551.5	538.0	531.4	527.8	528.7
12.5°	763.1	748.2	704.9	648.1	586.2	541.0	524.3	520.4	520.7	520.9	521.4
15°	795.4	774.6	712.0	627.3	548.3	514.3	511.4	517.7	524.3	527.5	527.3
17.5°	831.9	802.5	713.2	593.1	511.1	497.2	506.5	520.2	530.2	534.6	535.6
20°	871.0	830.9	704.4	544.6	480.5	483.2	499.9	517.5	528.5	534.1	535.6
22.5°	915.8	861.2	683.4	493.7	455.6	468.1	487.6	504.8	516.3	521.9	523.4
25°	966.9	895.3	650.3	450.9	434.0	450.9	470.5	484.7	494.0	499.1	500.6
27.5°	1023.7	930.7	606.3	416.9	415.2	433.3	449.5	460.5	465.4	469.3	470.7
30°	1080.7	963.0	553.0	391.2	398.8	415.9	427.4	432.3	433.8	434.5	436.3
32.5°	1142.4	990.9	496.9	369.9	383.2	399.1	405.9	408.1	401.3	396.6	398.1
35°	1217.0	1020.8	442.1	353.1	367.7	381.4	383.6	381.7	373.6	364.1	364.6
37.5°	1309.2	1058.0	398.3	341.1	353.3	362.4	359.7	359.2	359.9	348.7	349.4
40°	1422.3	1106.4	366.3	331.8	341.6	343.5	335.9	340.1	343.8	326.6	327.1
42.5°	1547.8	1164.9	346.0	325.4	331.8	327.1	315.4	320.0	319.5	297.0	296.8
45°	1675.8	1228.5	338.9	320.8	322.7	313.4	300.5	301.7	291.4	271.1	271.8
47.5°	1803.0	1296.8	343.3	316.9	311.5	300.9	290.9	285.5	270.4	255.2	255.2
50°	1927.8	1368.5	359.4	309.0	296.1	289.9	282.6	273.1	256.9	243.9	243.0
52.5°	2043.5	1440.6	377.5	296.1	276.7	280.4	275.7	264.7	248.8	235.6	235.9
55°	2153.1	1512.8	384.6	278.2	258.6	272.1	269.4	249.1	230.0	219.2	218.2
57.5°	2272.5	1599.7	376.8	255.4	243.9	262.5	252.3	229.7	218.7	210.7	209.9
60°	2437.9	1736.0	359.9	227.3	230.0	248.3	230.7	221.4	209.4	200.4	199.9
62.5°	2712.7	1990.2	332.8	199.4	213.6	227.3	220.4	211.2	198.9	190.1	190.1
65°	3118.8	2343.5	281.6	177.6	195.2	206.7	209.4	200.1	187.4	178.1	178.6
67.5°	3461.4	2565.1	213.1	159.5	176.4	190.1	197.7	188.6	175.2	166.1	166.4
70°	3442.5	2404.2	162.7	141.7	159.8	173.7	183.5	176.4	162.0	153.4	154.1
72.5°	3057.7	2011.2	131.6	123.6	142.9	156.6	168.3	163.0	148.3	140.0	140.0
75°	2246.3	1427.7	105.2	105.2	121.8	138.7	151.7	148.3	134.8	128.9	127.2
77.5°	946.9	599.0	82.5	87.3	101.3	119.2	135.3	136.5	124.8	132.1	119.9
80°	251.8	165.2	62.9	68.8	79.5	98.4	117.7	117.2	104.5	97.6	90.8
82.5°	95.9	65.1	44.8	48.4	57.5	75.4	93.2	96.2	83.4	72.2	72.2
85°	36.9	27.9	27.6	29.1	33.5	49.9	70.5	72.9	62.9	53.3	55.1
87.5°	9.5	8.3	10.3	9.8	15.4	26.7	40.4	41.8	38.4	22.3	31.8
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)