

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: P940249

Luminaire Tested: **GALN-SB3B-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940249
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-SB3B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13795 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - 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



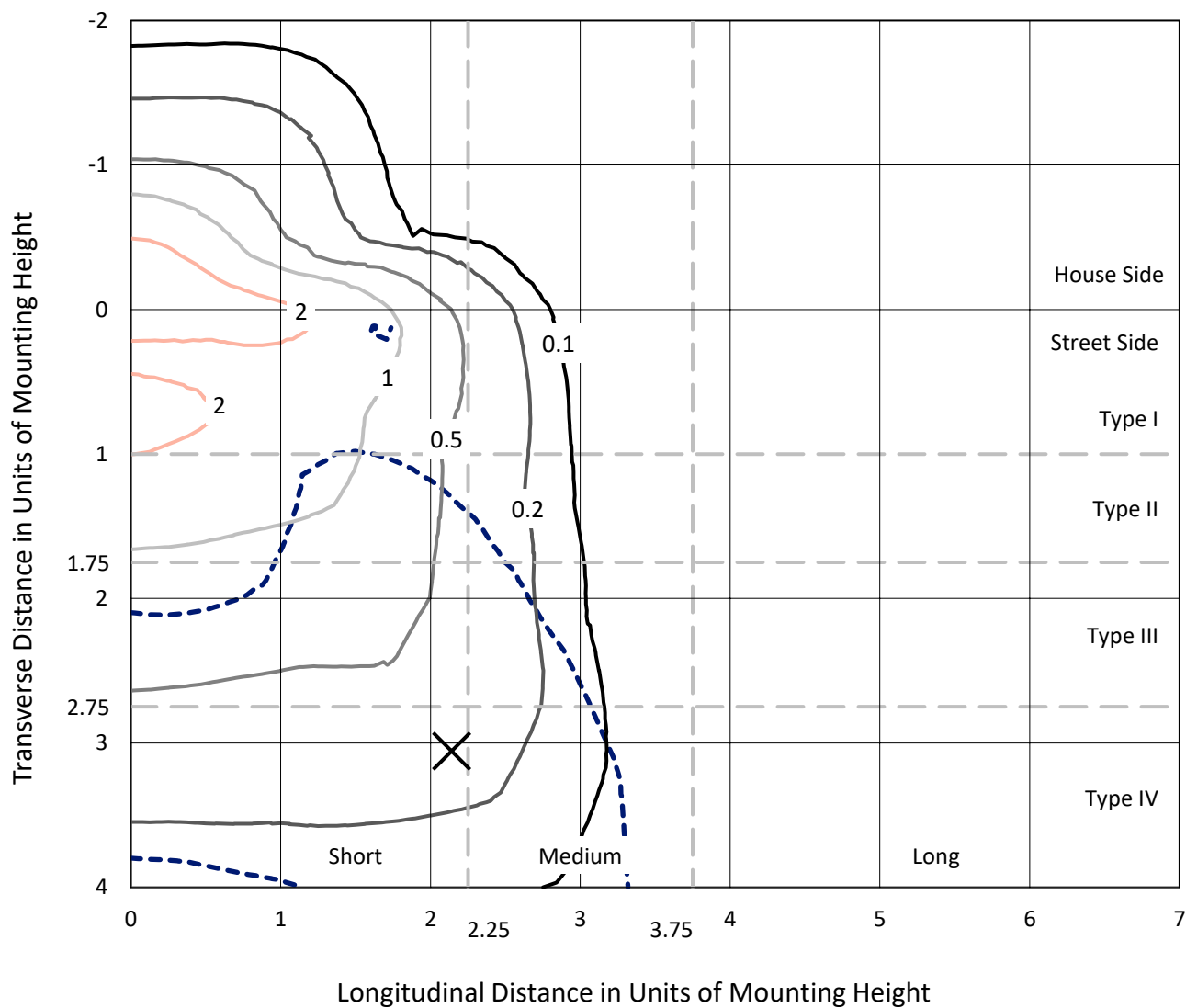
REPORT NUMBER: P940249

CATALOG NUMBER: GALN-SB3B-722-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

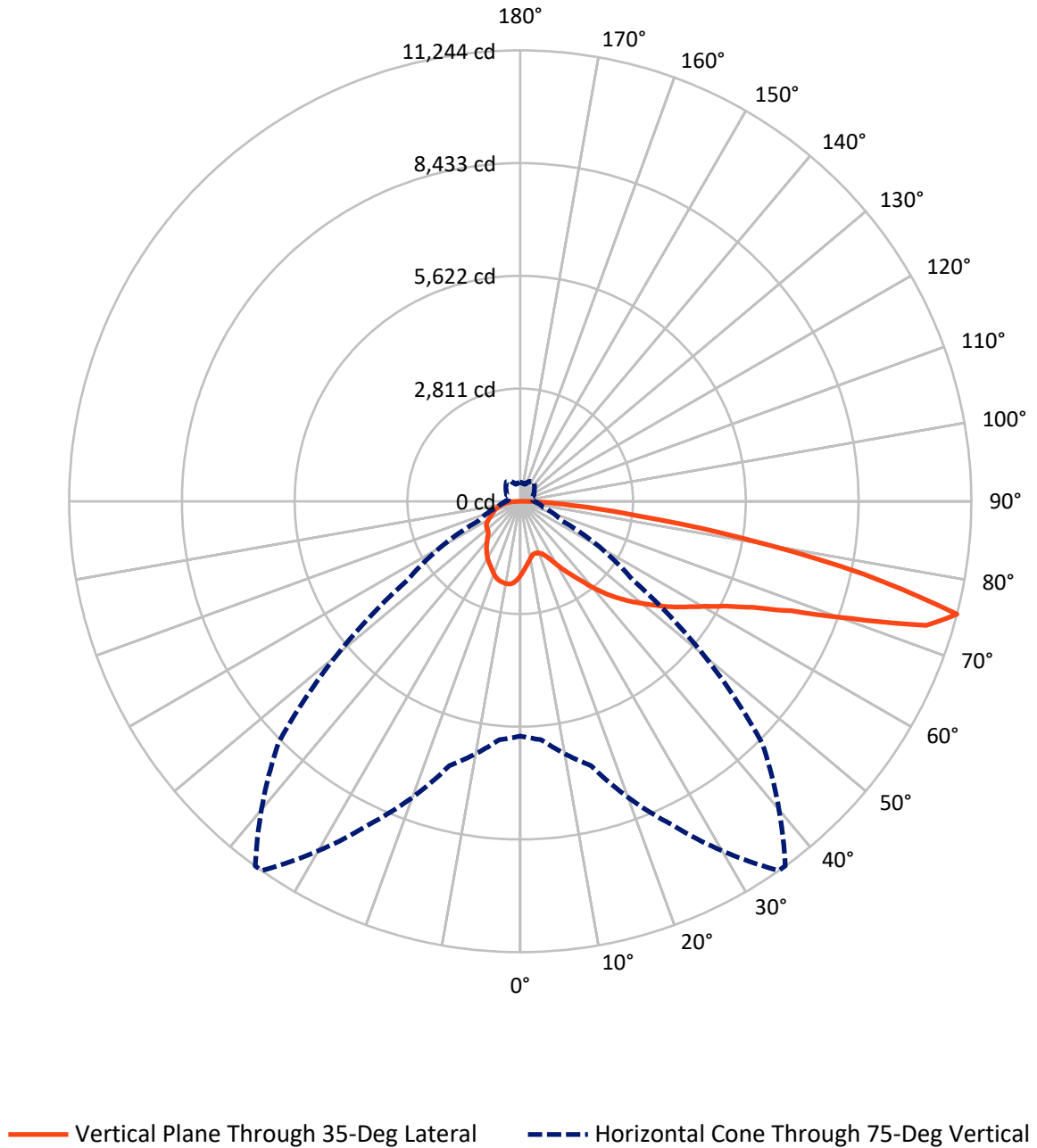


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Short - N/A

REPORT NUMBER: P940249

CATALOG NUMBER: GALN-SB3B-722-U-T4FT

Luminous Intensity Polar Plot



REPORT NUMBER: P940249

CATALOG NUMBER: GALN-SB3B-722-U-T4FT

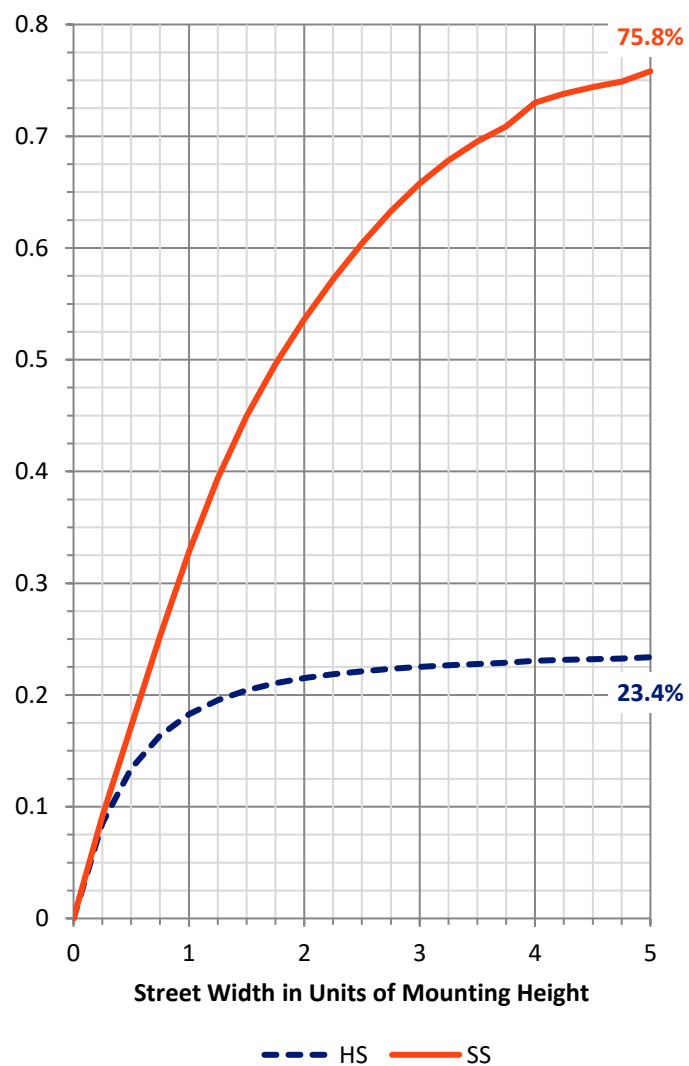
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3282.9	0.0	3282.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10512.1	0.0	10512.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	13795.0	0.0	13795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	1.3
10°-20°	502.0	3.6
20°-30°	843.0	6.1
30°-40°	1310.2	9.5
40°-50°	1944.7	14.1
50°-60°	2684.8	19.5
60°-70°	3257.2	23.6
70°-80°	2691.8	19.5
80°-90°	387.2	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°	13795.0	100.0
0°-180°	13795.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940249

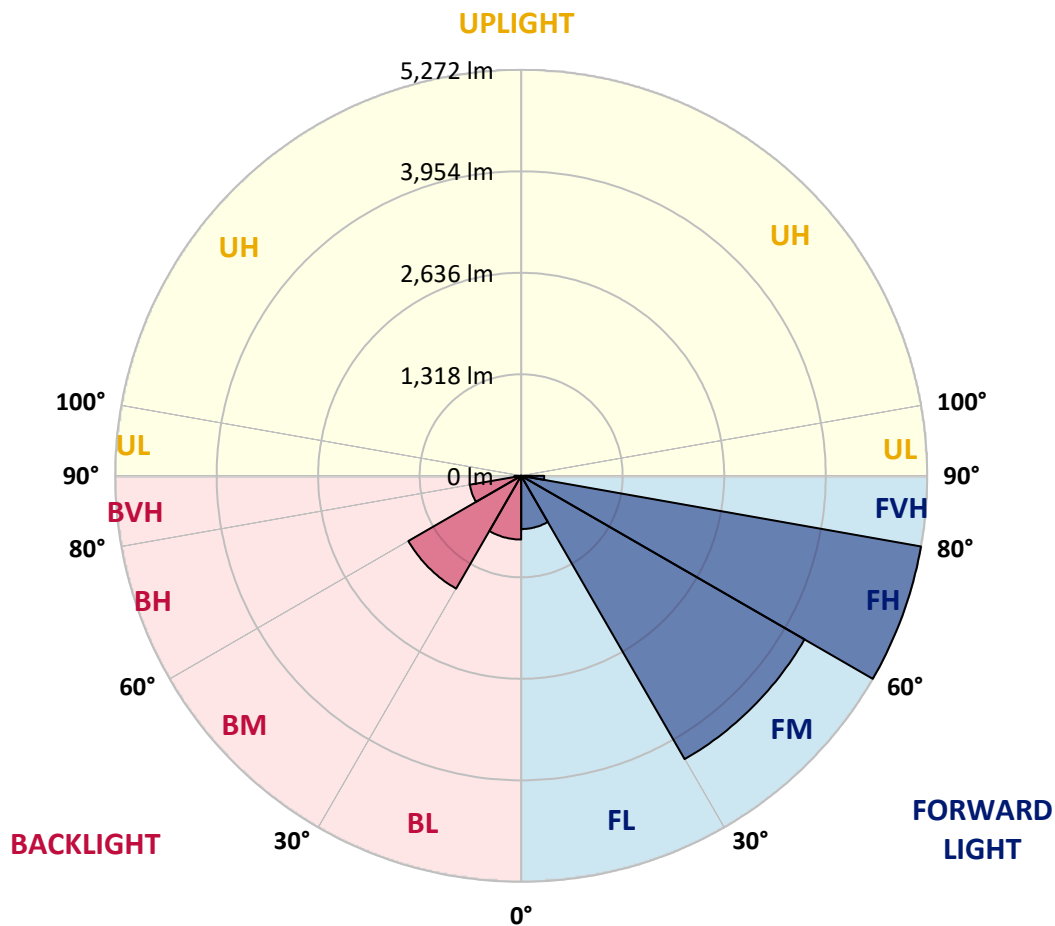
CATALOG NUMBER: GALN-SB3B-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	691.8	5.0			
FM	(30°-60°)	4248.1	30.8			
FH	(60°-80°)	5272.2	38.2			G3/7500
FVH	(80°-90°)	300.0	2.2			G3/500
BL	(0°-30°)	827.3	6.0	B2/1000		
BM	(30°-60°)	1691.5	12.3	B2/2500		
BH	(60°-80°)	676.8	4.9	B2/1000		G2/1000
BVH	(80°-90°)	87.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P940249

CATALOG NUMBER: GALN-SB3B-722-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3
2.5°	1695.1	1705.5	1710.0	1707.8	1719.0	1717.5	1733.1	1752.5	1779.4	1805.5	1843.5
5°	1564.6	1575.8	1585.5	1594.4	1616.0	1622.8	1647.4	1684.7	1733.9	1783.8	1846.5
7.5°	1443.0	1452.7	1467.6	1484.0	1520.6	1527.3	1568.3	1626.5	1695.1	1768.2	1854.7
10°	1343.8	1353.5	1369.2	1387.8	1433.3	1441.5	1493.7	1571.3	1660.8	1753.3	1863.6
12.5°	1301.3	1304.3	1313.3	1331.9	1371.4	1376.7	1434.1	1522.8	1627.2	1742.1	1877.1
15°	1299.1	1305.1	1305.8	1315.5	1348.3	1350.6	1403.5	1491.5	1606.3	1739.8	1897.2
17.5°	1321.5	1325.9	1319.2	1325.2	1352.8	1356.5	1398.3	1476.6	1599.6	1749.5	1931.5
20°	1381.1	1384.9	1364.7	1356.5	1376.7	1379.6	1420.7	1486.3	1606.3	1769.7	1978.5
22.5°	1507.9	1510.1	1460.9	1427.4	1428.9	1430.4	1466.1	1525.8	1632.4	1806.2	2038.1
25°	1705.5	1704.0	1625.7	1560.9	1523.6	1515.4	1539.2	1589.9	1676.4	1854.7	2115.0
27.5°	1936.7	1925.5	1847.2	1750.3	1669.0	1657.1	1651.8	1673.5	1739.1	1918.8	2208.9
30°	2197.7	2187.3	2103.0	1976.2	1863.6	1844.2	1795.0	1783.8	1832.3	2006.1	2339.4
32.5°	2484.1	2477.4	2376.7	2223.1	2072.4	2050.1	1967.3	1937.5	1975.5	2138.1	2521.4
35°	2724.2	2718.3	2634.7	2476.6	2292.4	2264.8	2180.6	2147.0	2166.4	2307.4	2759.3
37.5°	2941.2	2938.3	2866.7	2742.1	2552.0	2518.4	2423.7	2412.5	2408.8	2530.3	3047.9
40°	3142.6	3135.1	3060.6	2994.9	2854.0	2823.4	2739.9	2730.2	2701.9	2804.8	3374.5
42.5°	3365.6	3346.2	3238.1	3207.5	3169.4	3144.1	3094.1	3095.6	3033.0	3114.3	3720.6
45°	3547.5	3536.4	3425.2	3407.3	3448.4	3437.9	3481.2	3492.4	3370.8	3438.7	4080.0
47.5°	3742.9	3732.5	3638.5	3625.8	3737.0	3739.9	3892.8	3896.6	3700.4	3775.7	4440.2
50°	3983.8	3968.9	3875.7	3891.3	4015.9	4027.1	4306.7	4281.4	4003.9	4118.0	4797.4
52.5°	4142.6	4151.6	4131.5	4156.8	4326.8	4337.3	4713.9	4649.0	4304.5	4455.9	5147.9
55°	4259.7	4277.6	4340.3	4398.4	4655.0	4665.4	5098.0	4998.8	4553.6	4769.1	5477.5
57.5°	4410.4	4385.0	4502.1	4615.5	4966.7	4994.3	5471.6	5335.9	4774.3	5039.0	5703.5
60°	4626.6	4608.7	4699.7	4867.5	5315.7	5359.7	5866.8	5639.4	4936.1	5253.1	5747.5
62.5°	5065.1	5020.4	5034.6	5183.0	5755.7	5813.9	6312.8	5904.1	5016.7	5336.6	5511.8
65°	5720.7	5643.8	5572.3	5675.2	6375.4	6432.9	6816.2	6112.2	4986.8	5174.8	4886.2
67.5°	6546.2	6470.1	6382.1	6479.1	7288.2	7333.7	7437.4	6229.3	4751.9	4551.3	3780.2
70°	7227.1	7198.7	7303.9	7702.9	8746.2	8747.7	8233.8	6132.3	4108.3	3226.9	2187.3
72.5°	7136.8	7119.7	7673.8	8907.3	10583.7	10544.2	8987.8	5398.5	2767.5	1455.7	819.6
75°	5854.9	5966.0	6824.4	8885.6	11243.7	11238.5	8526.2	3431.9	1144.7	603.3	423.6
77.5°	3139.6	3315.6	4430.5	6560.4	8777.5	8909.5	5994.3	1200.7	491.5	386.3	293.1
80°	1023.9	1177.5	1765.9	3340.2	5703.5	5678.9	2569.1	471.3	336.3	273.7	202.8
82.5°	434.8	452.7	789.0	1577.3	2927.1	2881.6	818.1	270.7	236.4	187.2	125.3
85°	170.0	190.2	348.3	729.3	1267.8	1240.2	295.3	134.2	151.4	122.3	74.6
87.5°	55.9	67.9	124.5	249.8	394.5	380.3	72.3	46.2	65.6	55.9	26.8
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: P940249

CATALOG NUMBER: GALN-SB3B-722-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3	1838.3
2.5°	1853.9	1865.9	1880.0	1900.9	1918.8	1933.7	1949.4	1959.1	1962.8	1974.0	1973.3
5°	1867.4	1893.5	1928.5	1962.8	1996.4	2016.5	2034.4	2043.4	2051.6	2057.5	2059.0
7.5°	1889.7	1923.3	1978.5	2023.2	2051.6	2068.0	2079.9	2076.9	2079.9	2081.4	2083.6
10°	1909.1	1956.1	2021.7	2064.2	2085.9	2086.6	2083.6	2073.2	2068.0	2068.7	2070.2
12.5°	1932.2	1984.4	2055.3	2091.1	2097.1	2080.6	2068.0	2050.1	2043.4	2040.4	2038.9
15°	1963.6	2023.2	2091.8	2105.3	2090.3	2069.5	2047.8	2018.7	2003.8	1991.9	1995.6
17.5°	2001.6	2067.2	2120.2	2110.5	2078.4	2044.1	2009.1	1965.1	1934.5	1921.8	1922.5
20°	2054.5	2113.5	2141.8	2099.3	2050.8	1998.6	1939.0	1885.3	1856.9	1844.2	1842.8
22.5°	2118.7	2175.4	2162.7	2079.9	2011.3	1927.8	1853.2	1813.7	1799.5	1790.5	1792.0
25°	2195.5	2244.0	2177.6	2051.6	1946.4	1833.8	1776.4	1763.7	1757.0	1750.3	1750.3
27.5°	2295.4	2321.5	2188.8	2009.8	1845.0	1733.9	1713.0	1715.2	1713.0	1701.8	1704.0
30°	2427.4	2422.2	2199.2	1941.9	1728.7	1643.6	1645.1	1654.8	1656.3	1648.9	1652.6
32.5°	2601.2	2548.2	2204.4	1853.9	1617.5	1564.6	1566.1	1576.5	1584.0	1571.3	1577.3
35°	2811.5	2695.1	2196.2	1743.6	1531.8	1489.3	1478.1	1481.1	1483.3	1471.4	1479.6
37.5°	3056.8	2860.0	2159.7	1621.3	1460.9	1415.4	1391.6	1371.4	1359.5	1348.3	1355.8
40°	3326.1	3039.7	2092.6	1501.9	1381.9	1337.1	1301.3	1263.3	1223.0	1208.1	1214.8
42.5°	3607.9	3224.6	2011.3	1387.8	1290.9	1254.4	1216.3	1161.1	1100.7	1070.2	1073.9
45°	3900.3	3414.0	1931.5	1275.2	1197.7	1182.0	1138.0	1071.6	1006.0	967.2	964.3
47.5°	4186.6	3593.0	1814.4	1161.9	1110.4	1127.6	1093.3	1032.1	959.0	897.9	891.2
50°	4460.3	3760.8	1622.8	1047.0	1039.6	1111.2	1078.4	990.4	906.8	828.5	821.8
52.5°	4731.8	3896.6	1377.4	942.6	1001.5	1106.7	1059.0	962.0	859.9	777.8	768.9
55°	4962.2	3966.7	1141.0	853.1	946.4	1068.7	1035.8	928.5	793.5	706.2	698.8
57.5°	5093.5	3910.0	944.1	765.1	870.3	1006.0	996.3	856.9	714.4	647.3	638.4
60°	5036.8	3680.3	783.0	688.3	798.0	938.2	927.7	786.0	654.0	590.6	581.7
62.5°	4724.3	3242.5	655.5	621.2	732.3	868.8	859.1	731.6	607.8	546.6	536.9
65°	4094.9	2637.7	556.3	565.3	666.0	785.3	799.4	686.1	571.2	511.6	501.9
67.5°	3123.2	1910.6	478.8	516.8	601.1	703.2	744.3	653.3	540.7	484.0	475.0
70°	1780.1	1085.1	413.1	469.8	543.7	627.2	701.8	627.2	507.9	460.9	454.9
72.5°	674.9	498.2	357.2	422.8	488.5	563.0	654.8	586.2	469.8	434.8	428.8
75°	360.2	303.5	300.5	367.7	425.1	500.4	595.9	545.9	441.5	459.4	474.3
77.5°	245.4	214.8	251.3	314.7	355.7	431.0	533.2	484.7	382.6	381.1	351.2
80°	170.0	152.1	204.3	253.6	275.2	362.4	465.3	416.1	311.7	290.8	278.2
82.5°	102.2	99.2	152.9	189.4	194.6	279.7	385.6	349.0	255.0	222.2	223.7
85°	55.9	58.9	97.7	111.1	113.4	195.4	302.0	270.0	196.1	164.8	166.3
87.5°	15.7	20.1	35.8	44.0	54.4	101.4	179.7	160.3	98.4	68.6	68.6
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)