

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: P948059

Luminaire Tested: **GALN-SB3B-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
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-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14144 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
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



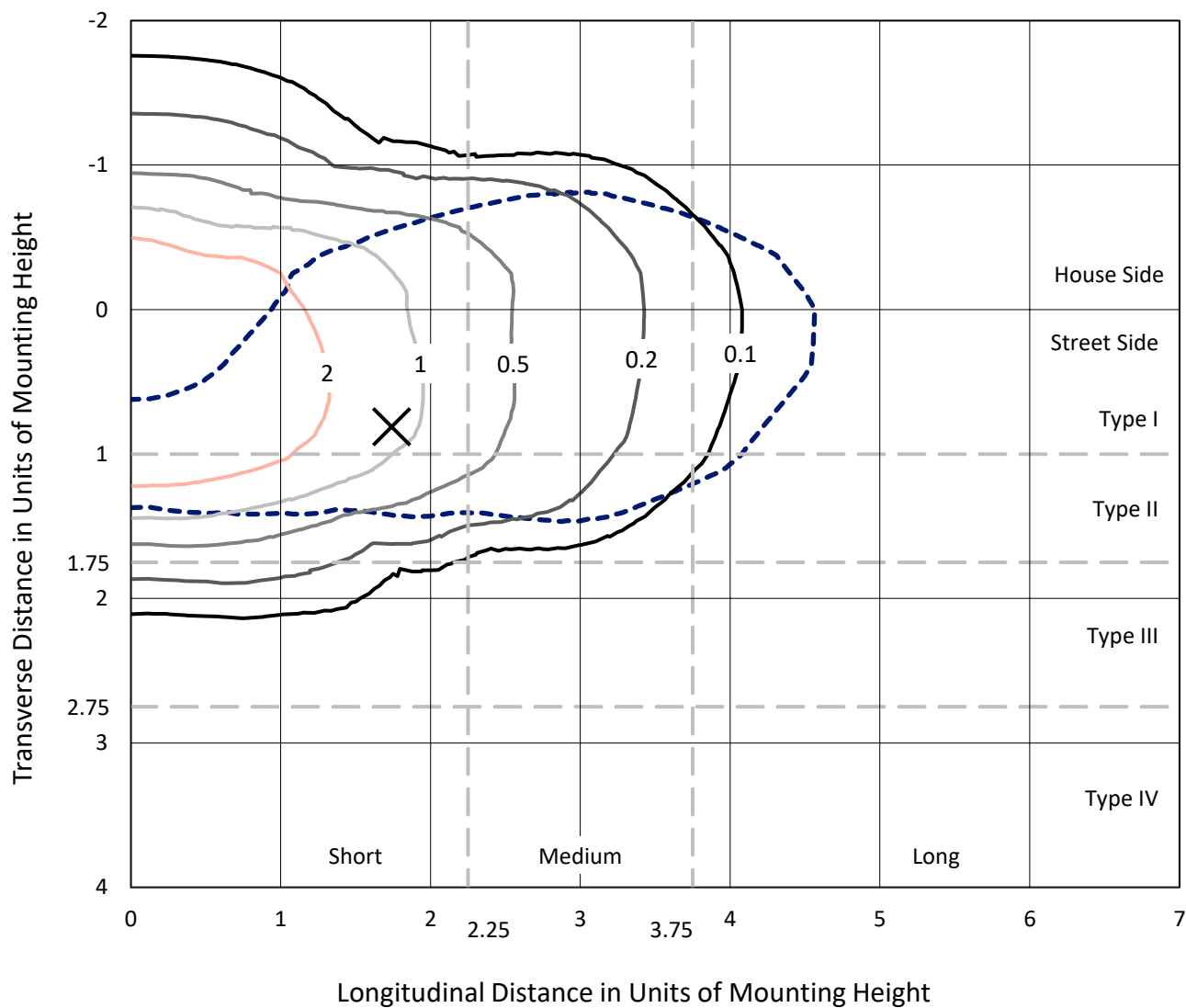
REPORT NUMBER: P948059

CATALOG NUMBER: GALN-SB3B-722-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



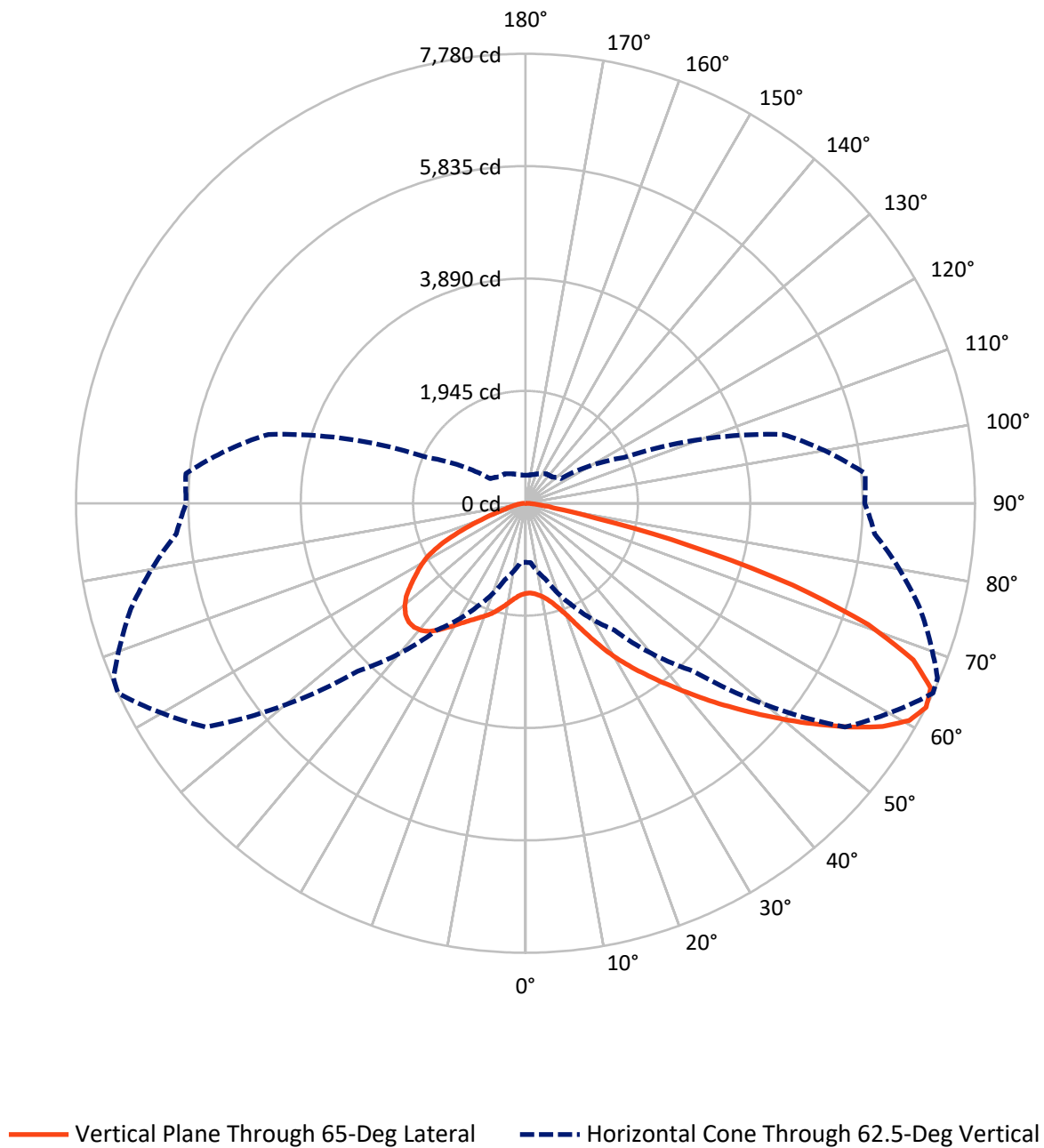
Based on 25 foot mounting height. Maximum calculated value = 4 fc

Type II - Short - N/A

REPORT NUMBER: P948059

CATALOG NUMBER: GALN-SB3B-722-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P948059

CATALOG NUMBER: GALN-SB3B-722-U-T2U

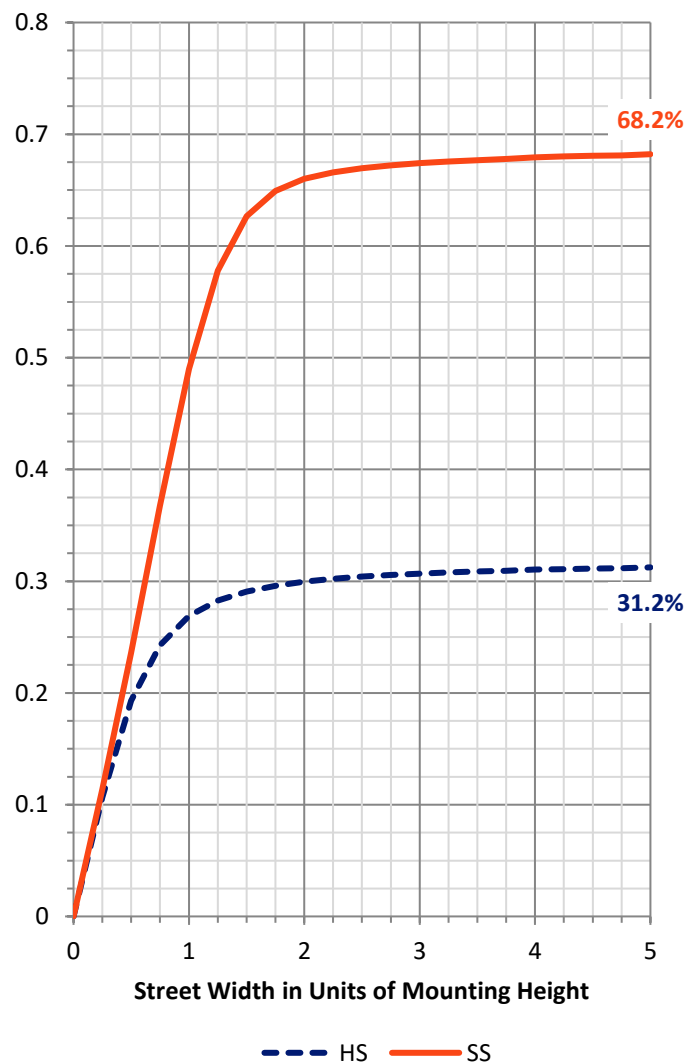
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4463.2	0.0	4463.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	9680.8	0.0	9680.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	14144.0	0.0	14144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.1
10°-20°	526.9	3.7
20°-30°	1068.4	7.6
30°-40°	1848.9	13.1
40°-50°	2798.0	19.8
50°-60°	3280.5	23.2
60°-70°	2750.3	19.4
70°-80°	1518.4	10.7
80°-90°	197.2	1.4
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°	14144.0	100.0
0°-180°	14144.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948059

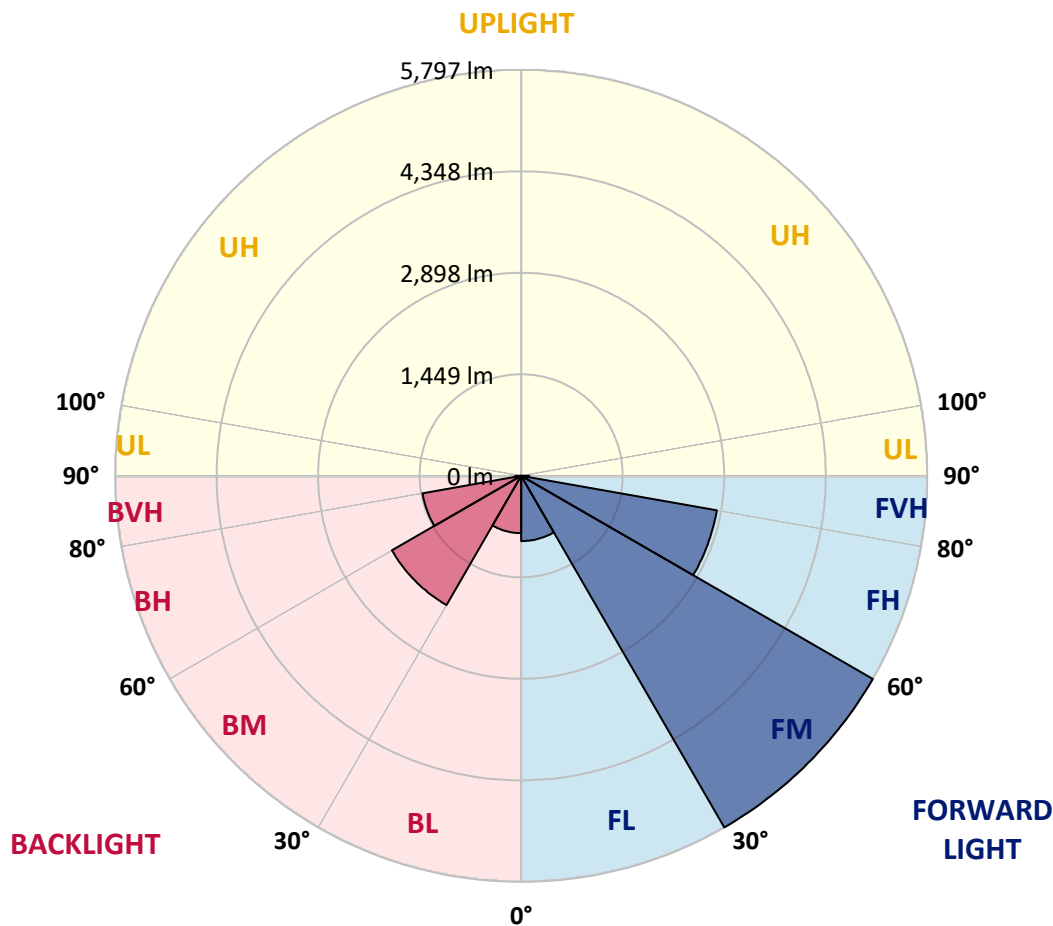
CATALOG NUMBER: GALN-SB3B-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	932.3	6.6			
FM	(30°-60°)	5796.7	41.0			
FH	(60°-80°)	2836.9	20.1			G2/5000
FVH	(80°-90°)	114.9	0.8			G2/225
BL	(0°-30°)	818.5	5.8	B2/1000		
BM	(30°-60°)	2130.7	15.1	B2/2500		
BH	(60°-80°)	1431.8	10.1	B3/2500		G3/2500
BVH	(80°-90°)	82.3	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 Short



REPORT NUMBER: P948059

CATALOG NUMBER: GALN-SB3B-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6
2.5°	1548.3	1543.9	1547.6	1547.6	1549.1	1548.3	1553.5	1554.9	1557.1	1561.5	1561.5
5°	1532.9	1532.2	1538.8	1544.7	1550.5	1555.7	1562.3	1571.8	1573.3	1578.4	1585.0
7.5°	1527.8	1523.4	1533.7	1541.0	1554.9	1567.4	1585.0	1601.2	1607.8	1610.0	1622.4
10°	1567.4	1560.1	1569.6	1574.0	1585.8	1598.2	1618.8	1644.5	1651.8	1660.6	1674.5
12.5°	1634.9	1626.9	1640.8	1647.4	1658.4	1669.4	1683.4	1708.3	1712.0	1728.1	1741.3
15°	1727.4	1717.8	1726.6	1734.7	1753.1	1763.3	1777.3	1801.5	1801.5	1814.0	1823.5
17.5°	1852.9	1840.4	1847.0	1849.9	1861.7	1877.1	1900.6	1921.8	1932.8	1928.4	1915.2
20°	2040.0	2024.6	2024.6	2009.9	2005.5	2018.0	2048.8	2078.1	2089.9	2067.1	2034.8
22.5°	2321.0	2299.0	2286.5	2236.6	2216.8	2218.3	2249.1	2285.1	2294.6	2254.3	2181.6
25°	2678.4	2643.9	2627.0	2553.7	2508.9	2470.0	2494.2	2540.4	2553.7	2503.8	2386.3
27.5°	3035.8	3038.0	3021.8	2933.8	2859.6	2788.5	2776.0	2824.4	2838.4	2781.9	2636.6
30°	3537.0	3484.9	3454.0	3348.4	3242.7	3142.9	3091.5	3111.3	3115.0	3047.5	2878.7
32.5°	3969.2	3956.0	3889.9	3797.5	3661.7	3505.4	3419.5	3388.0	3382.1	3286.0	3085.7
35°	4461.6	4454.2	4384.5	4274.4	4127.7	3910.5	3755.6	3665.4	3658.0	3523.0	3290.4
37.5°	4962.0	4962.0	4893.8	4773.4	4621.5	4350.0	4114.5	3971.4	3947.9	3771.8	3498.8
40°	5361.2	5337.0	5349.5	5298.8	5124.9	4836.5	4512.9	4305.2	4273.7	4062.4	3720.4
42.5°	5587.9	5579.9	5654.7	5711.2	5640.0	5409.6	4951.7	4667.0	4623.0	4382.3	3975.8
45°	5638.6	5629.8	5763.3	5970.3	6070.1	5975.4	5428.7	5047.9	4994.3	4716.9	4249.5
47.5°	5521.9	5504.3	5700.2	6026.8	6346.7	6513.3	5945.3	5461.0	5383.2	5042.7	4530.5
50°	5171.1	5154.3	5450.7	5884.4	6439.9	6878.7	6505.9	5899.1	5780.2	5392.0	4814.5
52.5°	4408.7	4416.8	4881.3	5477.1	6317.4	7106.2	6988.8	6360.6	6217.6	5749.4	5080.9
55°	3434.2	3451.8	4022.7	4678.8	5827.2	7071.7	7318.3	6836.2	6693.8	6085.5	5356.1
57.5°	2459.0	2536.8	3071.7	3721.1	4885.7	6525.0	7390.2	7288.2	7150.2	6452.4	5625.4
60°	1593.8	1607.8	2158.1	2812.7	3720.4	5553.5	7244.1	7630.9	7523.0	6826.6	5850.6
62.5°	1021.5	1031.0	1366.3	1967.3	2677.7	4108.6	6752.5	7779.8	7746.8	7073.9	6067.1
65°	750.7	743.3	918.0	1300.3	1803.7	2533.8	5797.8	7707.9	7773.2	7228.7	6246.2
67.5°	626.7	616.4	702.3	900.4	1328.9	1439.0	4289.8	7240.5	7479.7	7211.1	6377.5
70°	570.9	562.1	614.2	668.5	1036.9	963.5	2162.5	6294.6	6663.0	7010.8	6356.2
72.5°	483.6	468.2	539.3	593.7	806.5	738.9	893.8	4835.1	5284.1	6368.7	6056.8
75°	375.0	364.7	425.6	522.5	606.1	576.8	565.0	2936.0	3426.1	4925.3	5298.8
77.5°	297.2	283.2	339.0	407.3	545.2	435.1	411.7	1264.4	1750.1	3144.4	3964.8
80°	223.8	211.3	257.6	322.1	419.0	328.0	266.4	515.9	659.7	1593.1	1993.8
82.5°	159.2	148.2	179.8	236.3	281.8	294.3	163.6	289.1	325.1	614.2	445.4
85°	102.0	95.4	120.3	148.2	179.0	189.3	99.8	151.2	165.8	253.2	185.7
87.5°	55.8	45.5	64.6	69.0	82.9	75.6	47.7	55.0	59.4	91.7	78.5
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: P948059

CATALOG NUMBER: GALN-SB3B-722-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6
2.5°	1564.5	1566.7	1574.0	1576.2	1581.4	1588.0	1592.4	1596.8	1596.8	1601.2	1601.2
5°	1585.8	1590.9	1606.3	1614.4	1627.6	1640.8	1648.9	1658.4	1664.3	1667.2	1668.7
7.5°	1626.9	1634.9	1656.9	1670.9	1693.6	1712.0	1724.4	1737.7	1740.6	1748.7	1745.7
10°	1682.6	1692.2	1717.1	1743.5	1770.7	1793.4	1805.2	1814.7	1818.4	1819.8	1816.2
12.5°	1746.5	1760.4	1792.7	1825.0	1853.6	1873.4	1876.3	1874.1	1863.9	1855.1	1855.1
15°	1825.0	1837.5	1873.4	1908.6	1936.5	1940.2	1921.8	1910.1	1897.6	1895.4	1895.4
17.5°	1918.9	1925.5	1958.5	1993.0	1995.2	1982.7	1955.6	1944.6	1932.8	1924.8	1925.5
20°	2028.2	2026.0	2049.5	2064.2	2048.8	2010.6	1969.5	1951.2	1939.5	1929.9	1930.6
22.5°	2158.9	2142.0	2139.0	2135.4	2094.3	2014.3	1958.5	1935.1	1916.7	1903.5	1907.9
25°	2348.9	2284.3	2239.6	2214.6	2122.2	1994.5	1923.3	1871.2	1836.7	1814.0	1822.8
27.5°	2586.7	2478.1	2365.1	2304.2	2122.2	1954.1	1838.2	1753.8	1697.3	1673.8	1685.6
30°	2813.4	2699.7	2533.1	2412.0	2117.0	1888.1	1701.0	1583.6	1517.5	1494.0	1508.0
32.5°	3007.1	2883.1	2711.4	2530.2	2104.6	1781.0	1530.7	1400.8	1337.0	1309.1	1323.1
35°	3186.9	3054.8	2890.5	2660.1	2071.5	1623.9	1343.6	1244.5	1173.4	1128.6	1143.3
37.5°	3371.1	3214.1	3060.0	2777.5	2012.1	1440.5	1199.8	1115.4	1031.7	971.6	987.7
40°	3571.4	3383.6	3241.2	2847.2	1914.5	1265.8	1088.2	1011.2	922.4	858.6	871.0
42.5°	3805.5	3586.9	3443.0	2883.1	1781.0	1141.8	1015.6	940.0	856.4	804.3	814.5
45°	4049.9	3810.7	3627.2	2882.4	1632.0	1083.8	992.1	917.3	824.8	770.5	779.3
47.5°	4306.0	4044.7	3786.4	2835.4	1502.8	1091.9	978.9	868.1	766.1	713.3	720.6
50°	4562.8	4300.8	3940.5	2747.4	1447.8	1074.3	929.7	799.1	678.8	631.1	634.0
52.5°	4817.4	4573.1	4073.4	2621.9	1392.0	1009.0	866.6	709.6	642.8	609.8	609.8
55°	5073.5	4842.4	4217.9	2439.2	1252.6	932.7	761.0	675.8	614.2	584.1	581.2
57.5°	5330.4	5153.5	4355.1	2256.5	1077.2	838.7	703.0	634.7	585.6	559.9	555.5
60°	5597.5	5509.4	4496.8	2088.4	904.1	718.4	660.4	601.7	551.8	523.2	521.0
62.5°	5872.7	5901.3	4607.6	1871.9	744.8	645.0	622.3	562.1	513.7	486.5	485.8
65°	6150.0	6279.2	4680.2	1571.8	603.9	575.3	581.2	518.8	469.6	446.2	445.4
67.5°	6359.2	6551.4	4659.7	1189.5	495.3	509.3	529.8	473.3	427.1	408.7	409.5
70°	6382.7	6519.1	4457.1	814.5	414.6	444.7	472.6	428.5	380.8	367.6	368.4
72.5°	6070.1	6078.9	3892.8	532.0	350.8	390.4	412.4	383.0	336.8	323.6	322.9
75°	5250.4	5027.3	2858.2	350.8	293.5	335.4	355.9	335.4	290.6	293.5	283.2
77.5°	3978.0	3560.4	1735.5	249.5	245.1	281.8	309.7	295.0	256.8	288.4	253.9
80°	2049.5	1926.2	774.2	186.4	193.7	225.3	254.6	235.6	203.3	193.7	176.8
82.5°	469.6	546.0	305.3	133.6	140.2	162.2	194.5	176.8	146.0	123.3	121.8
85°	164.4	179.8	135.0	83.7	82.2	101.3	132.1	118.1	99.1	79.3	83.7
87.5°	52.1	68.2	50.6	33.8	35.2	45.5	60.9	55.8	46.2	30.1	31.6
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)