

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: P939757

Luminaire Tested: **GALN-SB2C-730-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14987 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 100.9
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

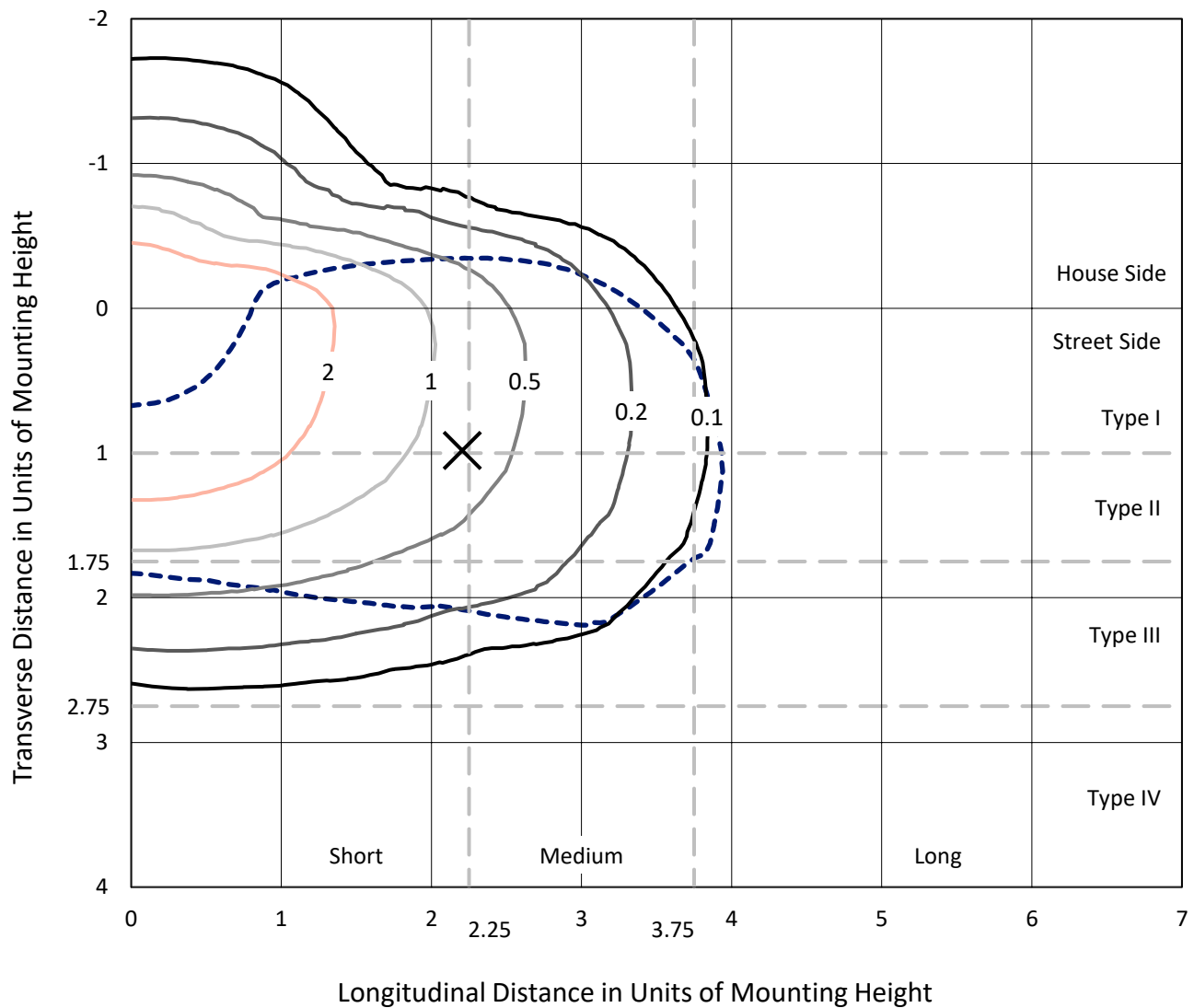


REPORT NUMBER: P939757

CATALOG NUMBER: GALN-SB2C-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

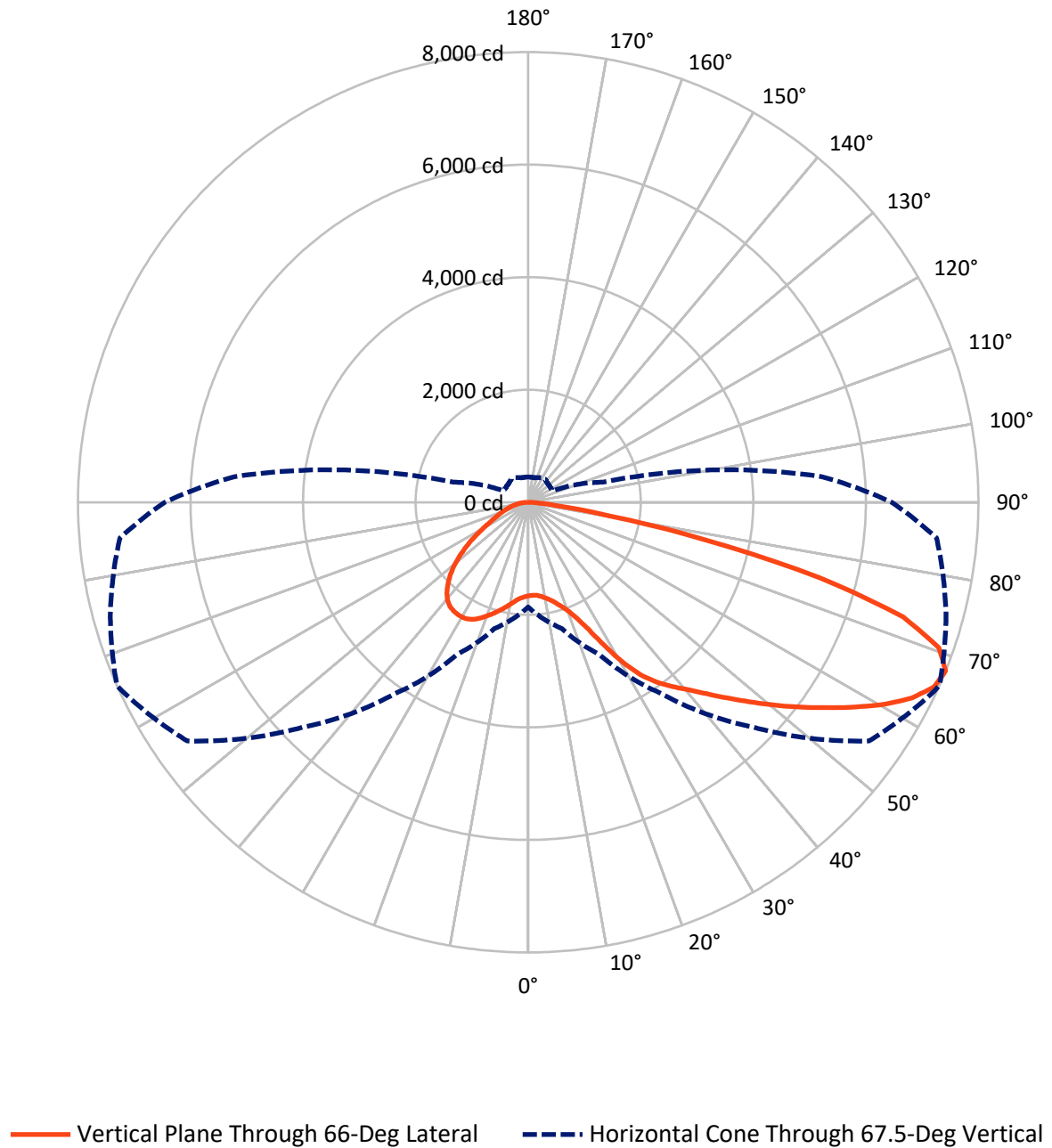


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Short - N/A

REPORT NUMBER: P939757

CATALOG NUMBER: GALN-SB2C-730-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P939757

CATALOG NUMBER: GALN-SB2C-730-U-T3

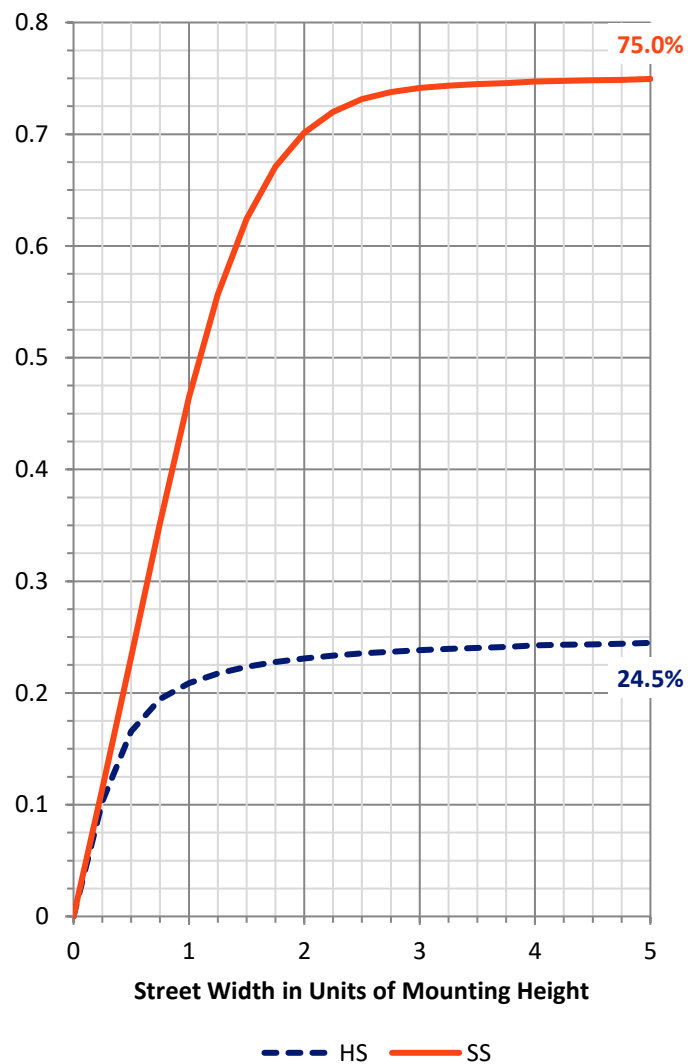
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3726.5	0.0	3726.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11260.5	0.0	11260.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	14987.0	0.0	14987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	1.1
10°-20°	544.5	3.6
20°-30°	1049.5	7.0
30°-40°	1840.1	12.3
40°-50°	2735.7	18.3
50°-60°	3467.8	23.1
60°-70°	3393.1	22.6
70°-80°	1618.5	10.8
80°-90°	173.0	1.2
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°	14987.0	100.0
0°-180°	14987.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939757

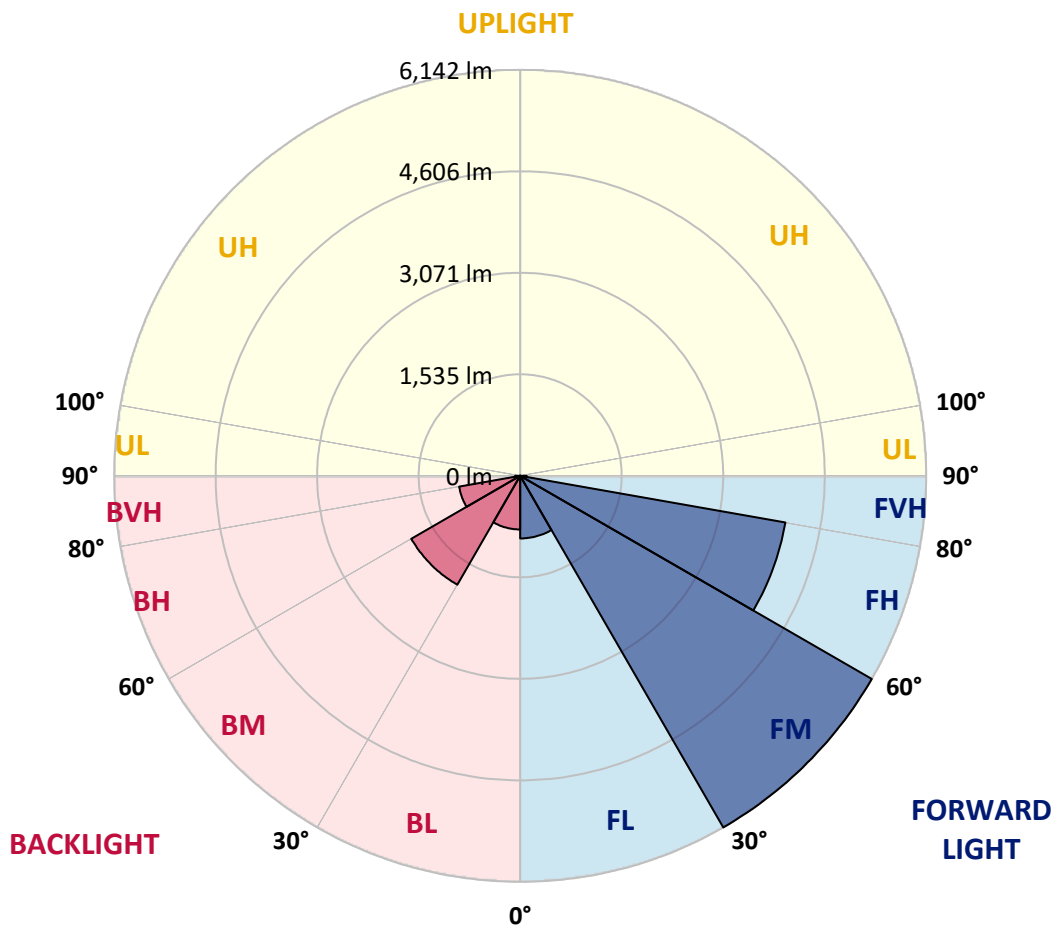
CATALOG NUMBER: GALN-SB2C-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	947.0	6.3			
FM	(30°-60°)	6141.5	41.0			
FH	(60°-80°)	4073.9	27.2			G2/5000
FVH	(80°-90°)	98.1	0.7			G1/100
BL	(0°-30°)	811.8	5.4	B2/1000		
BM	(30°-60°)	1902.0	12.7	B2/2500		
BH	(60°-80°)	937.8	6.3	B2/1000		G2/1000
BVH	(80°-90°)	74.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P939757

CATALOG NUMBER: GALN-SB2C-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3
2.5°	1644.9	1654.4	1652.0	1648.1	1647.3	1648.9	1651.2	1653.6	1652.8	1656.7	1663.0
5°	1640.2	1649.7	1648.9	1648.9	1652.0	1658.3	1662.3	1666.2	1662.3	1667.0	1675.6
7.5°	1643.4	1650.4	1653.6	1656.7	1664.6	1676.4	1685.9	1694.5	1689.8	1695.3	1706.4
10°	1683.5	1689.0	1692.2	1692.2	1697.7	1711.1	1720.5	1736.3	1732.3	1741.0	1755.2
12.5°	1756.7	1762.3	1762.3	1759.1	1763.0	1771.7	1774.9	1792.2	1785.1	1799.3	1813.4
15°	1846.5	1857.5	1848.9	1843.4	1844.9	1853.6	1852.8	1866.2	1859.1	1870.9	1883.5
17.5°	1945.7	1959.9	1945.7	1944.9	1941.8	1951.2	1952.0	1963.8	1951.2	1959.9	1968.6
20°	2063.1	2082.7	2070.9	2074.9	2067.8	2071.7	2075.7	2093.0	2073.3	2079.6	2077.2
22.5°	2228.4	2252.0	2239.4	2254.4	2249.7	2246.5	2245.7	2276.4	2245.7	2248.1	2225.3
25°	2469.4	2497.7	2475.7	2496.1	2496.1	2506.4	2518.2	2557.6	2506.4	2491.4	2432.4
27.5°	2825.3	2853.6	2810.3	2822.9	2819.0	2844.2	2831.6	2929.2	2874.1	2849.7	2730.8
30°	3253.6	3304.0	3222.1	3219.0	3215.1	3255.2	3273.3	3337.9	3282.0	3257.6	3114.3
32.5°	3716.7	3769.4	3671.8	3643.4	3628.5	3652.9	3637.9	3689.9	3651.3	3613.5	3436.3
35°	4206.4	4258.4	4165.5	4110.4	4050.5	3999.3	3945.8	3959.2	3923.0	3865.5	3682.0
37.5°	4669.4	4764.7	4666.3	4607.2	4497.0	4397.0	4247.4	4185.2	4151.3	4098.6	3913.5
40°	5141.1	5195.4	5120.6	5070.2	4950.5	4793.8	4554.5	4423.0	4377.3	4326.1	4169.4
42.5°	5488.4	5540.3	5500.2	5465.5	5371.8	5189.9	4880.5	4715.9	4649.8	4592.3	4459.2
45°	5764.0	5802.5	5777.3	5789.9	5749.8	5573.4	5218.3	5030.1	4961.6	4891.5	4786.8
47.5°	5875.0	5915.9	5956.1	6030.9	6099.4	5969.5	5581.3	5370.2	5297.8	5226.1	5123.0
50°	5862.4	5904.1	6020.7	6179.7	6392.3	6349.0	5964.0	5732.5	5665.5	5583.6	5488.4
52.5°	5761.6	5808.8	5958.5	6223.0	6561.6	6633.3	6353.7	6106.5	6043.5	5945.9	5850.6
55°	5497.0	5525.4	5749.8	6124.6	6601.8	6831.7	6735.6	6504.9	6441.9	6305.7	6201.8
57.5°	5006.5	5047.4	5374.2	5859.2	6501.0	6966.4	7071.1	6923.8	6863.2	6667.1	6558.5
60°	4366.3	4431.6	4805.7	5413.6	6244.3	6965.6	7375.8	7335.7	7285.3	7023.1	6909.7
62.5°	3641.8	3717.4	4077.3	4783.6	5795.5	6767.9	7566.4	7680.6	7654.6	7351.4	7206.5
65°	2796.9	2848.9	3207.2	3968.6	5097.0	6343.5	7588.4	7916.0	7920.7	7601.0	7361.6
67.5°	1862.3	2011.9	2322.9	2978.0	4161.5	5649.8	7394.7	7954.6	8000.2	7686.9	7283.7
70°	908.7	1105.5	1410.3	1935.5	2978.0	4586.0	6888.4	7638.0	7739.6	7436.5	6819.1
72.5°	377.2	441.0	607.1	955.1	1709.5	3094.6	5871.0	6779.7	6967.9	6589.2	5733.2
75°	254.3	275.6	347.3	489.8	778.8	1526.0	4234.0	5055.3	5358.4	4976.5	4067.8
77.5°	196.1	209.5	252.8	342.5	463.0	577.2	2266.2	3046.6	3203.2	2965.4	2116.6
80°	154.3	164.6	189.0	249.6	328.4	308.7	772.5	1380.4	1470.9	1233.9	680.3
82.5°	133.9	137.8	135.4	169.3	218.1	180.3	253.6	509.5	562.2	407.9	222.1
85°	96.9	107.9	112.6	104.7	115.8	91.3	103.9	180.3	198.4	177.2	125.2
87.5°	39.4	58.3	71.7	67.7	42.5	26.0	32.3	52.8	60.6	66.1	40.9
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: P939757

CATALOG NUMBER: GALN-SB2C-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3	1662.3
2.5°	1663.8	1669.3	1673.3	1678.0	1681.2	1685.9	1695.3	1700.8	1701.6	1705.6	1704.8
5°	1678.8	1686.7	1695.3	1707.9	1722.1	1733.9	1752.0	1764.6	1769.3	1773.3	1772.5
7.5°	1711.1	1722.1	1737.8	1759.9	1780.4	1796.1	1818.2	1833.1	1848.1	1853.6	1854.4
10°	1759.1	1774.9	1797.7	1827.6	1849.7	1870.1	1893.0	1905.6	1920.5	1926.8	1930.0
12.5°	1819.0	1835.5	1865.4	1907.1	1927.6	1941.8	1949.7	1946.5	1949.7	1955.2	1956.8
15°	1887.5	1905.6	1939.4	1984.3	1998.5	1985.9	1968.6	1952.8	1950.5	1952.0	1957.5
17.5°	1968.6	1982.0	2021.3	2059.1	2048.9	1996.9	1959.1	1933.9	1921.3	1917.4	1922.9
20°	2082.0	2082.0	2114.2	2137.9	2069.4	1981.2	1922.1	1881.2	1855.2	1844.2	1841.8
22.5°	2219.8	2207.2	2227.6	2211.1	2065.4	1937.1	1855.2	1784.3	1744.9	1729.2	1726.8
25°	2394.6	2379.6	2374.1	2271.7	2037.1	1867.0	1733.9	1648.1	1613.4	1604.8	1606.3
27.5°	2658.4	2620.6	2548.9	2304.8	1985.1	1756.7	1592.2	1512.6	1493.0	1493.7	1496.1
30°	3009.5	2933.9	2758.4	2310.3	1900.1	1600.8	1447.3	1390.6	1381.1	1385.1	1398.5
32.5°	3334.7	3263.1	2972.5	2285.1	1769.3	1448.1	1317.4	1279.6	1265.4	1270.1	1276.4
35°	3589.9	3570.2	3171.0	2249.7	1608.7	1304.8	1200.8	1168.5	1141.0	1134.7	1139.4
37.5°	3830.8	3823.0	3319.8	2200.1	1449.7	1203.2	1107.1	1064.6	1024.4	1002.4	1003.2
40°	4095.4	4087.5	3417.4	2123.7	1308.7	1115.0	1022.9	967.0	917.4	877.2	881.1
42.5°	4393.0	4346.6	3463.9	2014.2	1189.0	1040.2	954.4	878.8	813.4	776.4	778.8
45°	4718.3	4613.5	3463.1	1874.9	1088.2	971.7	881.1	774.0	713.4	678.8	677.2
47.5°	5063.1	4868.7	3420.6	1720.5	990.6	896.1	767.7	685.8	645.7	624.4	619.7
50°	5419.1	5107.2	3348.1	1543.4	890.6	810.3	696.9	641.0	610.3	590.6	583.5
52.5°	5753.7	5323.8	3260.7	1342.6	789.0	726.8	665.4	622.1	589.8	567.7	558.3
55°	6064.8	5510.4	3137.1	1137.0	706.3	670.9	650.4	614.2	577.2	551.2	541.0
57.5°	6341.1	5631.7	2923.7	944.1	647.3	632.3	634.7	600.8	558.3	536.2	522.1
60°	6571.1	5720.7	2608.0	765.4	599.2	594.5	610.3	575.6	526.0	500.8	489.8
62.5°	6708.9	5719.1	2220.5	626.8	558.3	559.9	578.0	544.1	493.7	470.1	463.0
65°	6697.1	5578.9	1795.3	536.2	518.9	520.5	544.1	509.5	466.9	452.8	452.0
67.5°	6460.0	5237.2	1377.2	477.2	475.6	482.7	510.3	485.8	450.4	448.8	451.2
70°	5818.3	4527.7	992.2	429.9	430.7	441.0	477.2	470.9	441.7	444.9	444.1
72.5°	4665.5	3452.1	666.2	380.3	381.1	397.7	445.7	459.1	433.1	474.8	481.1
75°	3107.2	2152.8	428.4	327.6	328.4	349.6	418.1	436.2	409.5	473.2	477.2
77.5°	1493.0	967.7	310.2	275.6	275.6	295.3	361.4	390.6	348.8	367.7	337.0
80°	515.8	363.8	244.1	222.1	217.3	230.7	304.7	338.6	300.8	277.2	259.9
82.5°	203.2	189.0	196.1	172.4	156.7	165.4	237.0	279.5	221.3	200.0	199.2
85°	116.5	122.8	138.6	114.2	90.6	101.6	174.0	200.8	166.9	147.2	150.4
87.5°	31.5	43.3	63.8	59.1	40.9	43.3	82.7	111.0	96.1	74.0	76.4
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)