

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: P939902

Luminaire Tested: **GALN-SB2D-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16664 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 147.6
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



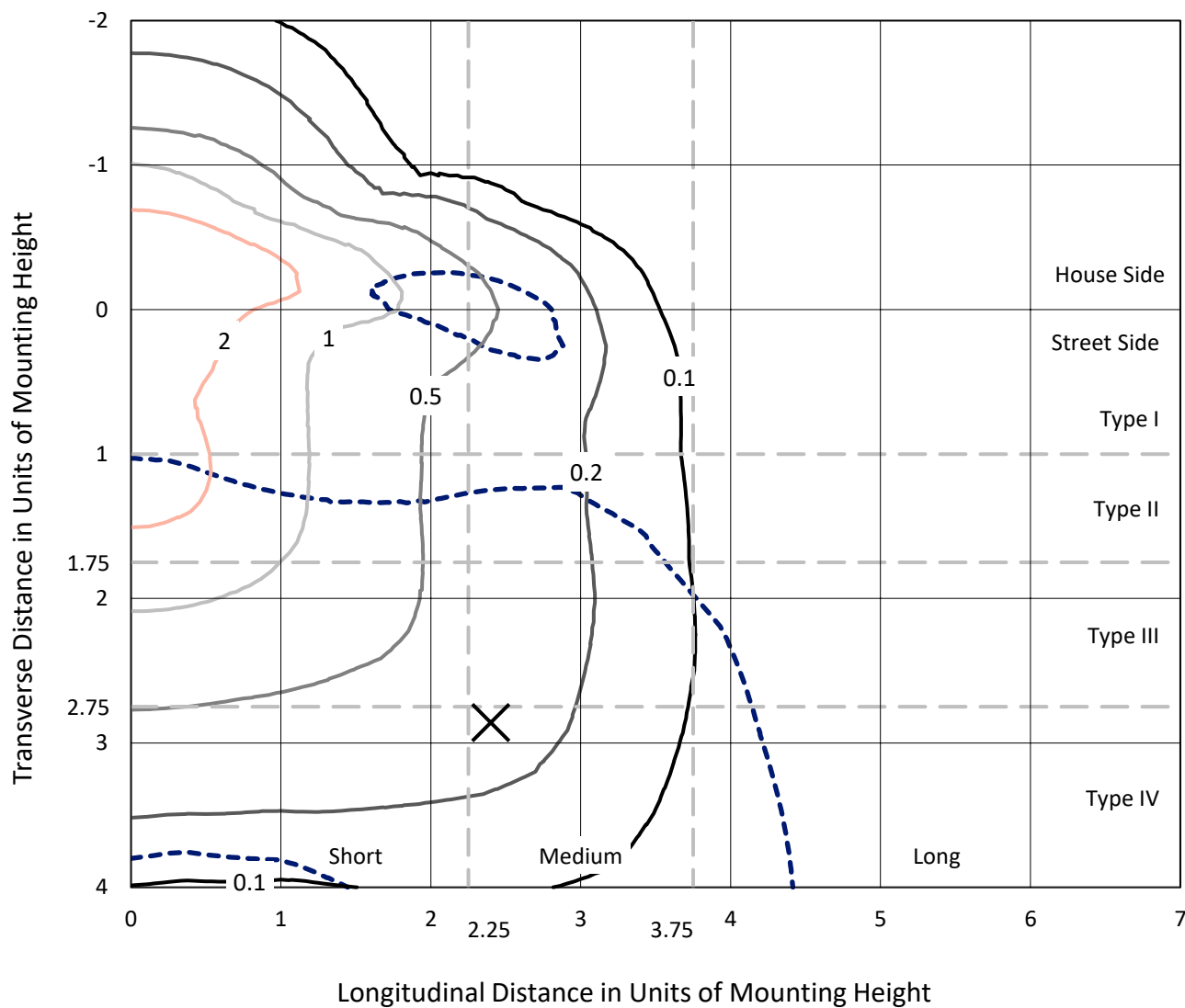
REPORT NUMBER: P939902

CATALOG NUMBER: GALN-SB2D-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

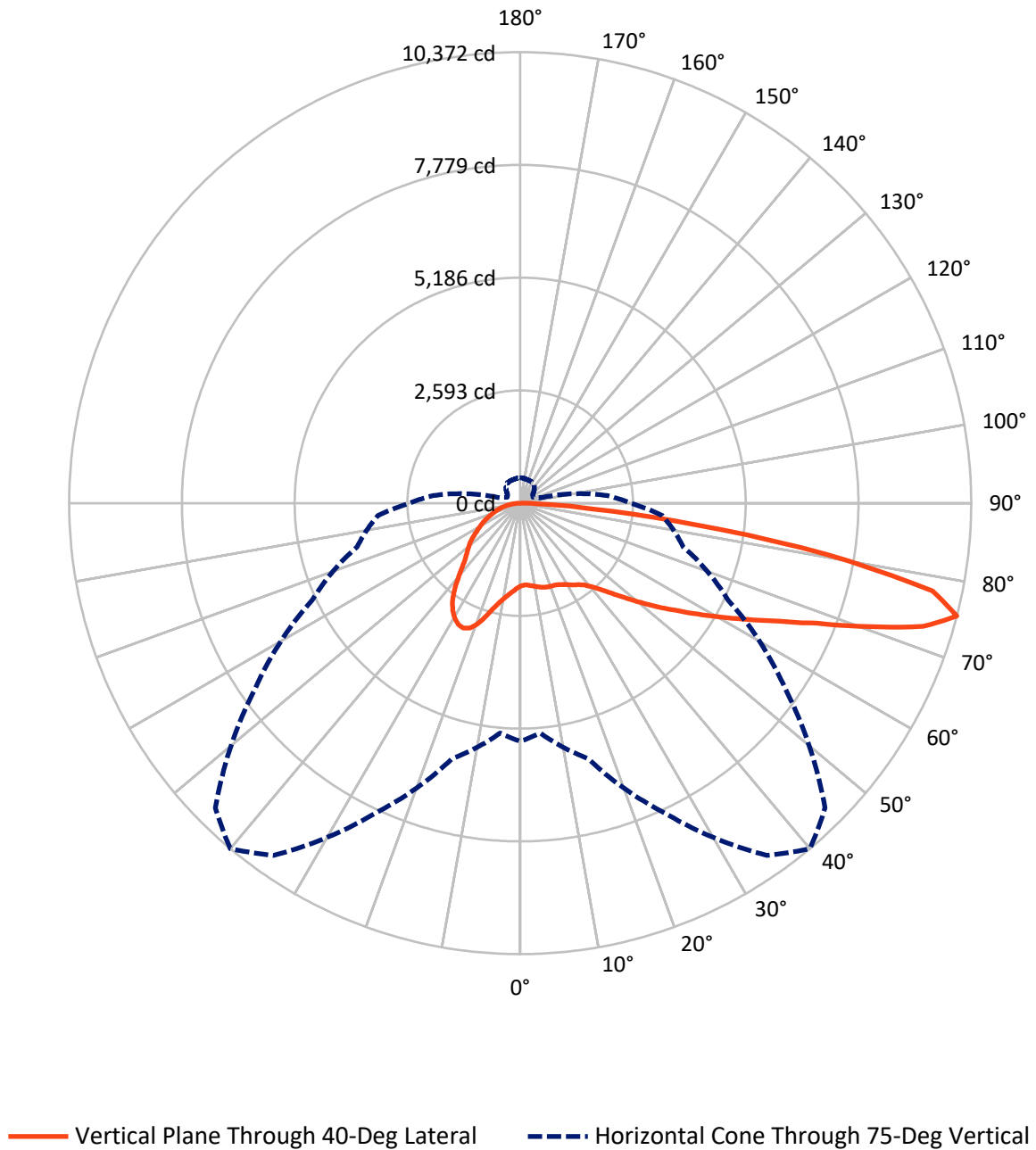


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P939902

CATALOG NUMBER: GALN-SB2D-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P939902

CATALOG NUMBER: GALN-SB2D-722-U-SL4

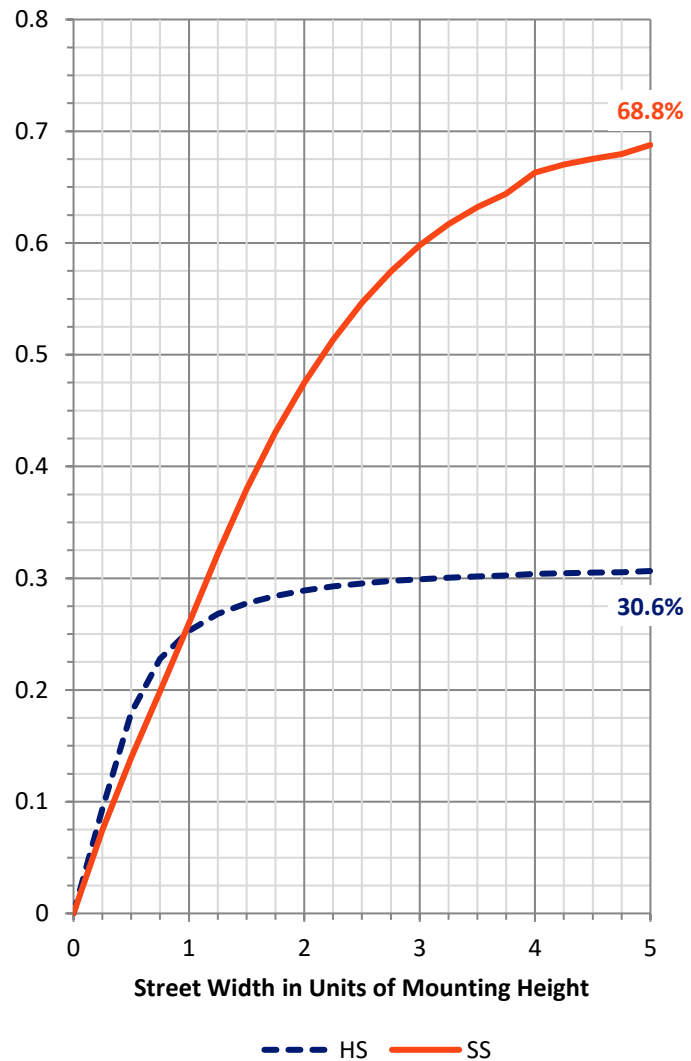
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5163.1	0.0	5163.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11500.9	0.0	11500.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	16664.0	0.0	16664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.2	1.1
10°-20°	638.6	3.8
20°-30°	1166.1	7.0
30°-40°	1653.8	9.9
40°-50°	2233.1	13.4
50°-60°	3004.2	18.0
60°-70°	3813.0	22.9
70°-80°	3460.5	20.8
80°-90°	504.4	3.0
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°	16664.0	100.0
0°-180°	16664.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939902

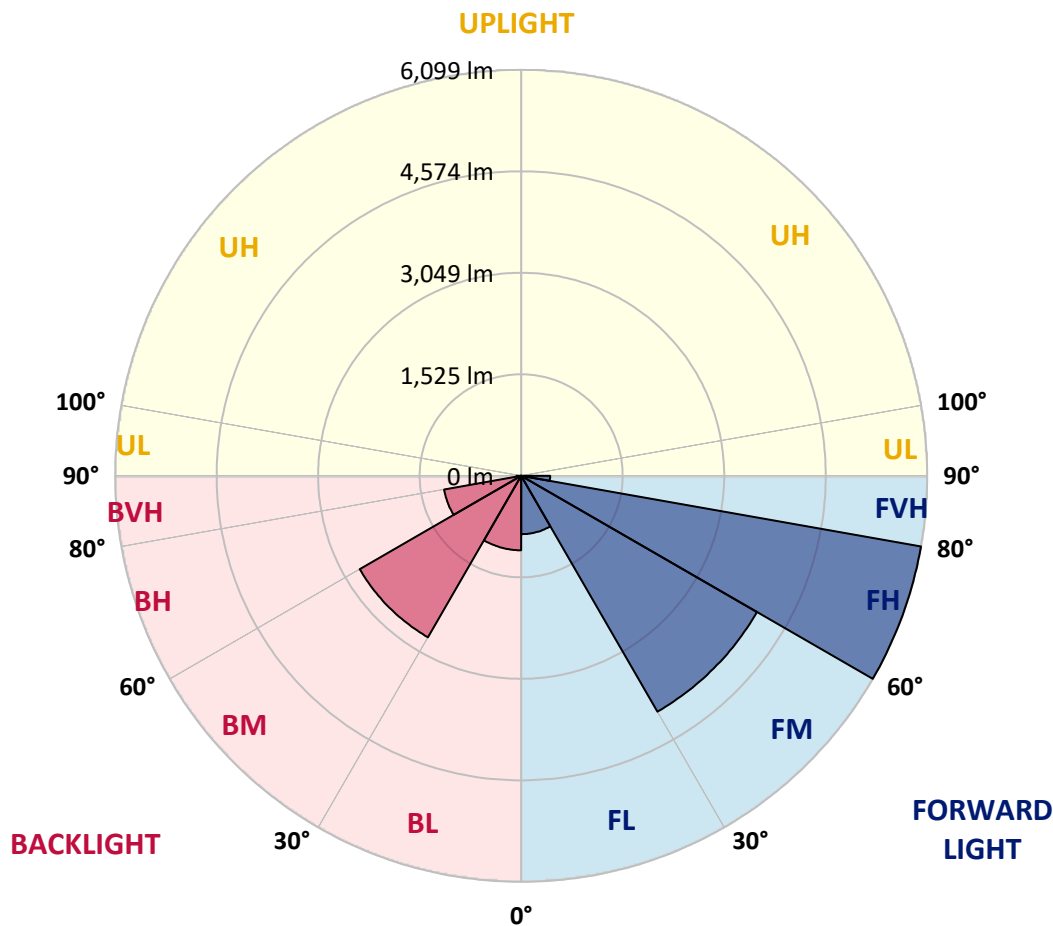
CATALOG NUMBER: GALN-SB2D-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	876.5	5.3			
FM	(30°-60°)	4090.6	24.5			
FH	(60°-80°)	6098.8	36.6			G3/7500
FVH	(80°-90°)	435.0	2.6			G3/500
BL	(0°-30°)	1118.4	6.7	B3/2500		
BM	(30°-60°)	2800.5	16.8	B3/5000		
BH	(60°-80°)	1174.7	7.0	B3/2500		G3/2500
BVH	(80°-90°)	69.4	0.4			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 IV Medium



REPORT NUMBER: P939902

CATALOG NUMBER: GALN-SB2D-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6
2.5°	1876.4	1887.0	1884.3	1880.8	1880.8	1881.7	1880.8	1887.0	1893.2	1899.4	1909.1
5°	1895.8	1906.4	1901.1	1896.7	1893.2	1892.3	1889.6	1888.8	1892.3	1900.2	1913.5
7.5°	1933.8	1944.4	1936.5	1928.5	1921.5	1917.9	1914.4	1909.1	1906.4	1910.9	1929.4
10°	1976.3	1986.9	1977.1	1963.0	1951.5	1947.1	1943.6	1938.3	1934.7	1937.4	1957.7
12.5°	2018.7	2029.3	2016.0	1996.6	1981.6	1978.9	1974.5	1972.7	1971.8	1971.0	1991.3
15°	2058.5	2067.3	2050.5	2027.5	2011.6	2007.2	2002.8	2005.4	2009.8	2015.1	2038.1
17.5°	2089.4	2098.2	2073.5	2043.4	2028.4	2026.6	2024.0	2032.8	2045.2	2058.5	2086.7
20°	2117.7	2126.5	2094.7	2054.0	2036.4	2036.4	2037.2	2055.8	2073.5	2092.9	2131.8
22.5°	2157.4	2164.5	2125.6	2069.9	2044.3	2046.1	2053.2	2071.7	2093.8	2120.3	2174.2
25°	2216.7	2222.0	2174.2	2100.0	2070.8	2076.1	2082.3	2091.2	2112.4	2143.3	2215.8
27.5°	2312.1	2316.5	2253.8	2153.0	2108.8	2117.7	2126.5	2120.3	2130.0	2156.6	2249.4
30°	2446.5	2449.1	2369.6	2236.1	2173.4	2177.8	2179.5	2153.9	2135.3	2156.6	2273.2
32.5°	2605.5	2604.7	2510.1	2336.9	2246.7	2242.3	2227.3	2176.9	2133.6	2152.1	2294.4
35°	2852.1	2842.4	2720.4	2478.3	2329.8	2302.4	2267.0	2202.5	2142.4	2147.7	2313.0
37.5°	3260.5	3230.4	3061.6	2709.8	2453.5	2383.7	2331.6	2244.1	2161.9	2146.0	2335.1
40°	3720.9	3682.9	3497.3	3027.1	2639.1	2526.9	2442.9	2303.3	2193.7	2153.9	2367.8
42.5°	4267.2	4213.2	4013.5	3401.0	2874.2	2711.6	2585.2	2378.4	2240.5	2179.5	2412.0
45°	4938.0	4866.4	4583.6	3822.6	3170.3	2953.8	2785.0	2492.4	2312.1	2229.0	2478.3
47.5°	5615.9	5633.6	5231.4	4305.2	3525.6	3252.5	3035.1	2663.9	2416.4	2308.6	2585.2
50°	6336.2	6348.6	5875.7	4839.9	3928.7	3590.1	3316.2	2855.7	2561.4	2421.7	2745.2
52.5°	6898.3	6900.1	6460.8	5399.4	4348.5	3961.4	3619.3	3074.9	2729.3	2572.0	2958.2
55°	7250.1	7245.7	6870.9	5928.8	4831.0	4351.1	3955.2	3324.1	2934.3	2748.7	3226.0
57.5°	7505.5	7492.3	7153.8	6383.9	5345.4	4811.6	4335.2	3606.9	3176.5	2959.1	3578.7
60°	7602.8	7594.8	7345.6	6777.3	5886.3	5320.7	4773.6	3923.3	3451.4	3207.4	4032.1
62.5°	7639.9	7654.9	7533.8	7158.2	6465.3	5884.6	5255.3	4301.6	3760.7	3488.5	4510.2
65°	7770.7	7798.1	7773.3	7656.7	7119.3	6544.8	5894.3	4751.5	4098.3	3789.9	5009.6
67.5°	8029.7	8057.0	8067.7	8253.3	7918.3	7367.7	6691.5	5311.9	4493.4	4102.8	5385.2
70°	8023.5	8015.5	8202.9	8727.9	8918.8	8506.9	7766.3	6001.2	4964.5	4362.6	5432.9
72.5°	7303.1	7239.5	7682.3	8722.6	9751.4	9696.6	9078.8	6890.4	5371.1	4394.4	4714.4
75°	5478.9	5309.2	6091.4	7860.8	9890.1	10371.8	9913.1	7441.9	5274.7	3882.7	3280.8
77.5°	2343.0	2172.5	3094.3	5819.2	8851.6	9695.7	9147.7	6492.7	4210.6	2567.5	1611.2
80°	613.4	612.5	935.1	2638.3	6019.8	7160.0	6281.4	4192.9	2405.8	917.4	444.6
82.5°	253.7	247.5	343.8	1026.1	2941.4	4017.9	3279.0	1870.2	868.8	248.4	147.6
85°	94.6	93.7	167.0	354.4	1037.6	1657.2	1199.4	478.2	216.5	121.1	66.3
87.5°	26.5	25.6	36.2	122.9	252.8	383.6	205.0	78.7	61.0	47.7	19.4
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: P939902

CATALOG NUMBER: GALN-SB2D-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6
2.5°	1911.7	1916.2	1924.1	1930.3	1938.3	1947.1	1959.5	1967.4	1975.4	1980.7	1977.1
5°	1919.7	1929.4	1949.7	1970.1	1993.9	2016.0	2041.7	2060.2	2075.2	2079.7	2081.4
7.5°	1937.4	1953.3	1987.7	2022.2	2060.2	2096.5	2133.6	2165.4	2191.0	2200.8	2201.6
10°	1968.3	1989.5	2038.1	2086.7	2137.1	2192.8	2240.5	2286.5	2322.7	2337.7	2338.6
12.5°	2007.2	2033.7	2097.3	2164.5	2234.3	2311.2	2373.1	2429.7	2474.7	2495.1	2495.1
15°	2057.6	2092.0	2173.4	2263.5	2366.0	2473.0	2551.6	2614.4	2664.8	2689.5	2687.7
17.5°	2112.4	2158.3	2260.9	2397.0	2543.7	2684.2	2776.1	2822.1	2874.2	2898.1	2897.2
20°	2165.4	2222.0	2368.7	2566.7	2762.0	2911.4	2985.6	2998.0	3001.5	3004.2	3011.2
22.5°	2220.2	2296.2	2503.9	2780.5	2990.0	3093.4	3104.0	3051.0	2976.8	2942.3	2952.0
25°	2280.3	2381.1	2680.7	3016.5	3186.2	3198.6	3117.3	2988.2	2847.7	2783.2	2792.9
27.5°	2338.6	2479.2	2892.8	3241.9	3327.6	3218.9	3043.9	2861.0	2691.3	2623.2	2631.2
30°	2397.0	2591.4	3127.0	3439.0	3392.2	3168.6	2928.1	2724.0	2553.4	2481.8	2489.8
32.5°	2456.2	2722.2	3396.6	3581.3	3380.7	3061.6	2784.1	2570.2	2419.9	2344.8	2354.5
35°	2523.4	2883.1	3652.0	3659.1	3303.8	2904.3	2594.1	2386.4	2255.5	2195.4	2208.7
37.5°	2610.9	3087.2	3877.4	3678.5	3169.4	2673.6	2358.1	2168.9	2061.1	2033.7	2053.2
40°	2719.6	3332.9	4049.7	3647.6	2970.6	2393.4	2100.0	1948.9	1887.9	1894.1	1915.3
42.5°	2861.0	3607.8	4170.8	3568.0	2693.9	2104.4	1873.7	1806.6	1835.7	1860.5	1883.5
45°	3044.8	3893.3	4245.9	3432.8	2381.1	1859.6	1740.3	1756.2	1778.3	1780.9	1798.6
47.5°	3279.9	4182.3	4295.4	3228.7	2062.0	1687.2	1655.4	1659.0	1654.5	1636.0	1650.1
50°	3573.3	4463.4	4339.6	2958.2	1790.7	1579.4	1537.0	1524.6	1463.6	1403.5	1411.5
52.5°	3907.4	4721.5	4358.2	2622.3	1579.4	1489.3	1420.3	1342.5	1228.5	1210.0	1216.2
55°	4278.7	4960.1	4310.5	2209.6	1401.8	1373.5	1269.2	1175.5	1163.1	1147.2	1149.9
57.5°	4722.3	5217.3	4213.2	1749.1	1219.7	1238.3	1136.6	1147.2	1125.1	1100.4	1096.0
60°	5207.6	5483.3	4042.7	1329.3	1031.4	1069.4	1102.1	1101.3	1095.1	1074.7	1067.7
62.5°	5644.2	5658.3	3706.8	1018.2	866.2	938.6	1027.9	1027.0	1021.7	1010.2	1005.8
65°	5904.0	5631.8	3146.5	801.6	730.0	830.8	927.1	934.2	935.1	934.2	934.2
67.5°	5858.1	5321.6	2377.5	638.1	617.8	721.2	827.3	837.0	844.1	845.8	847.6
70°	5338.4	4640.1	1550.2	509.1	517.9	624.9	732.7	742.4	748.6	755.7	759.2
72.5°	4161.1	3411.6	887.4	411.9	430.4	541.8	639.0	650.5	654.0	667.3	672.6
75°	2535.7	2006.3	479.0	324.4	353.5	463.1	546.2	559.5	565.7	581.6	583.3
77.5°	1205.6	868.8	273.1	252.8	284.6	378.3	461.4	476.4	459.6	468.4	461.4
80°	407.4	322.6	172.3	192.7	217.4	295.2	369.4	384.5	349.1	347.3	343.8
82.5°	142.3	130.8	109.6	128.2	140.5	211.2	279.3	298.7	259.8	259.0	246.6
85°	55.7	53.0	61.0	69.8	84.0	129.9	183.8	193.6	160.0	129.0	127.3
87.5°	11.5	12.4	15.0	15.9	25.6	45.1	66.3	81.3	64.5	54.8	50.4
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)