

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: P946621

Luminaire Tested: **GALN-SB2B-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9246 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 73.9
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

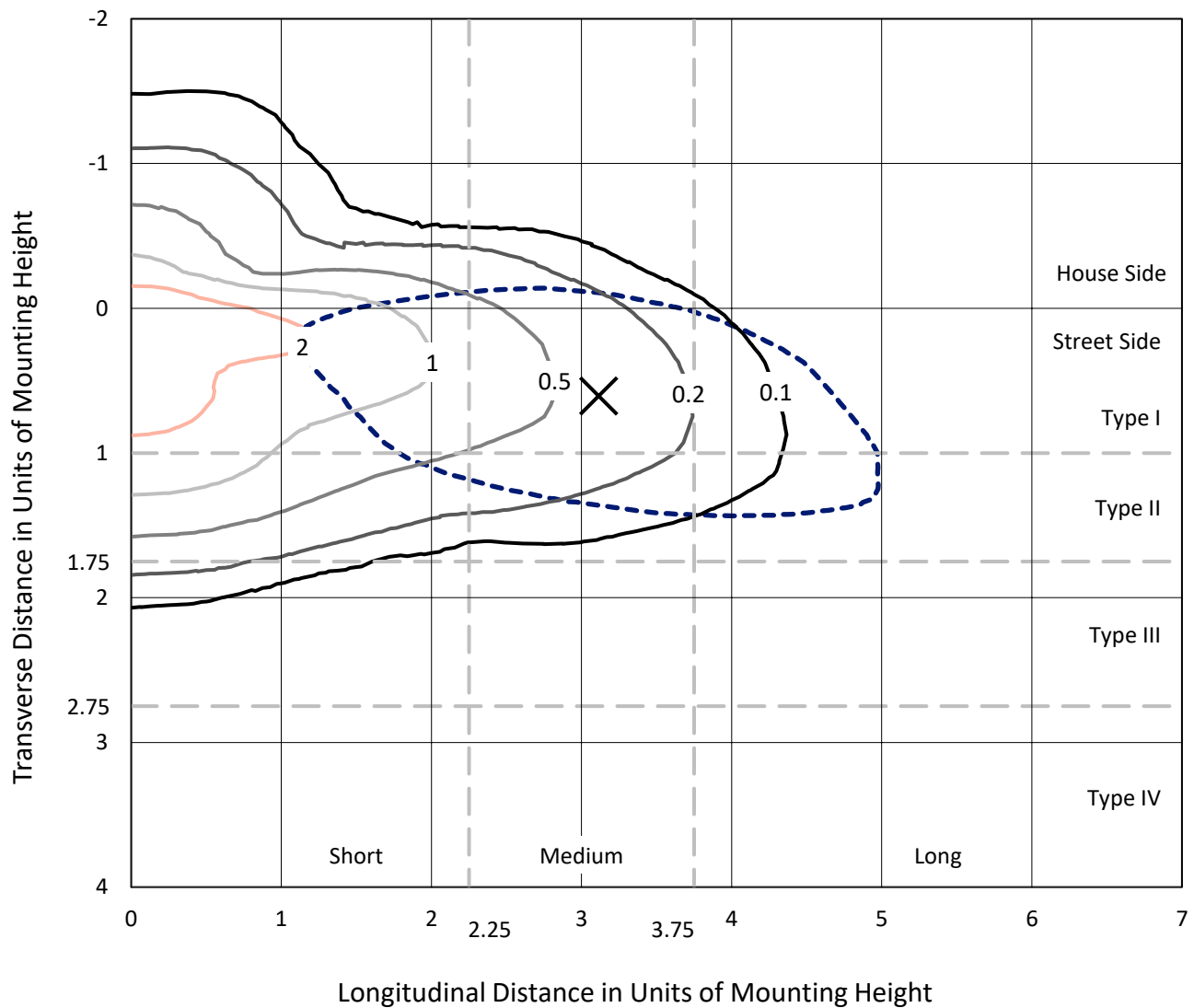


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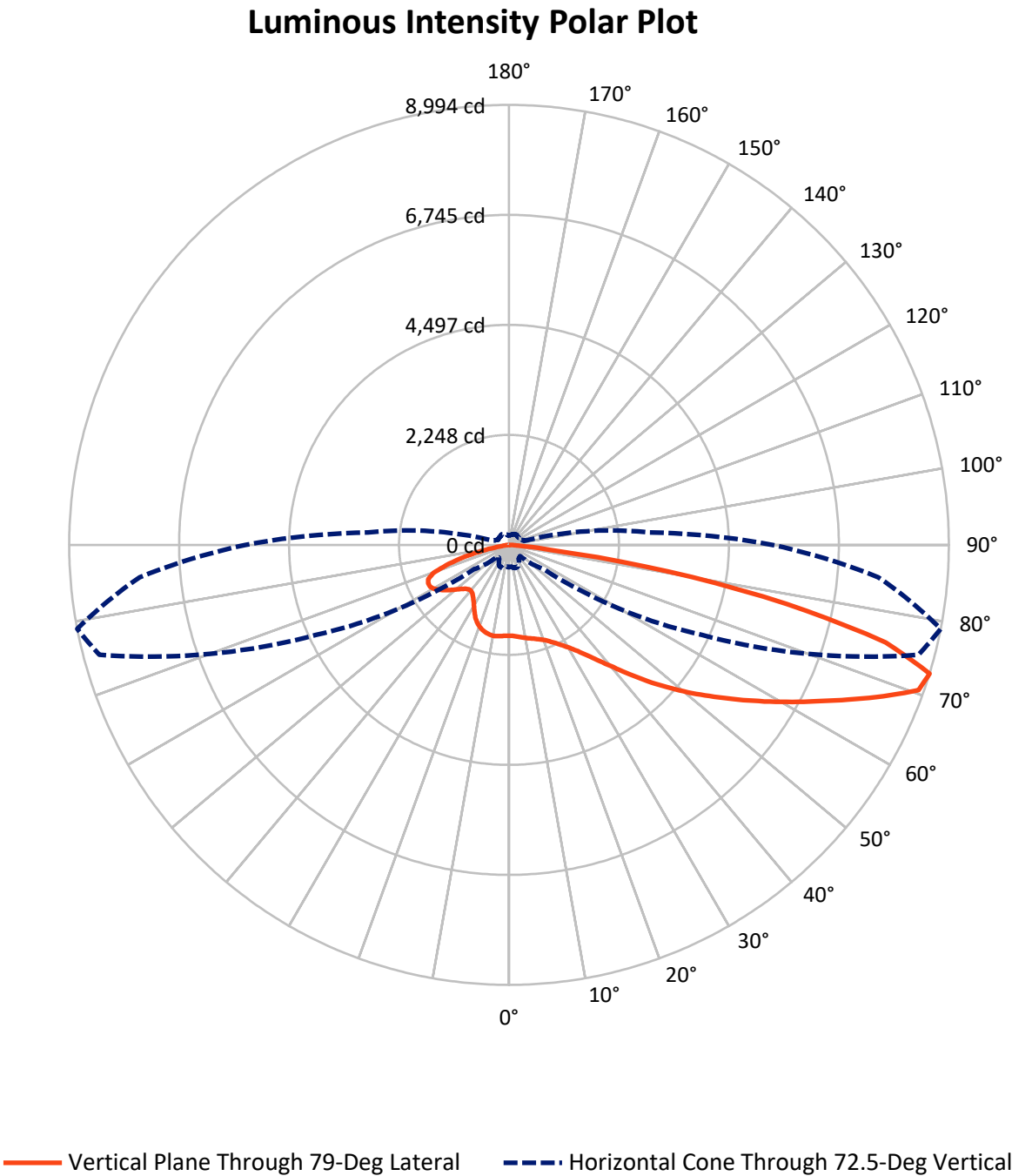
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type II - Medium - N/A

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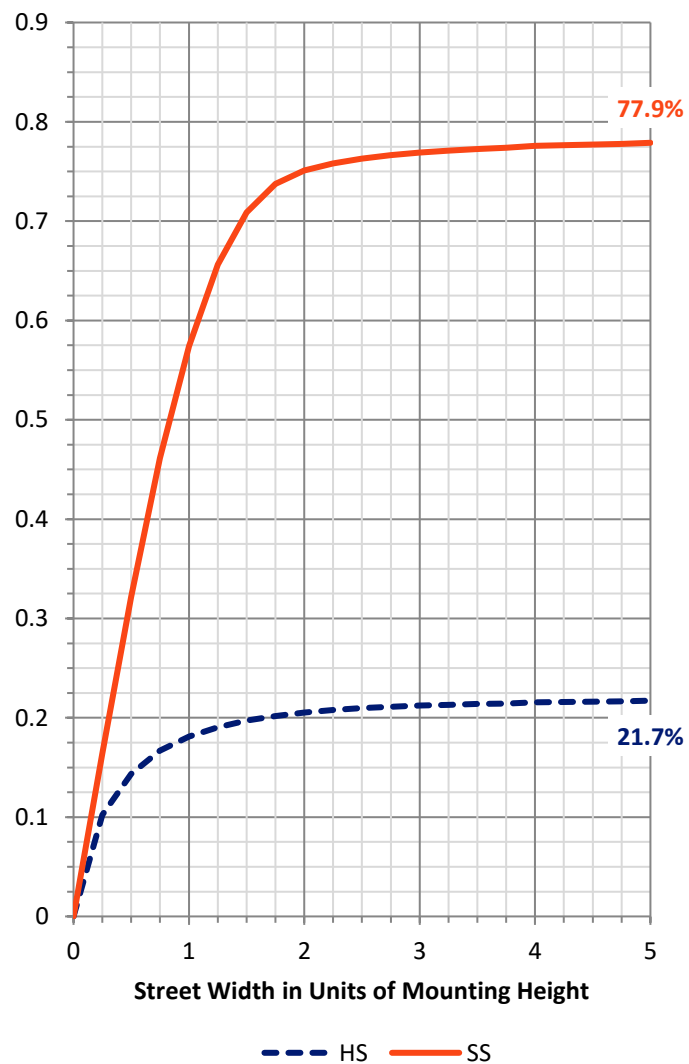
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2034.6	0.0	2034.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	7211.4	0.0	7211.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	9246.0	0.0	9246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	1.8
10°-20°	440.5	4.8
20°-30°	710.8	7.7
30°-40°	1066.7	11.5
40°-50°	1513.2	16.4
50°-60°	1911.0	20.7
60°-70°	1940.9	21.0
70°-80°	1322.8	14.3
80°-90°	171.6	1.9
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°	9246.0	100.0
0°-180°	9246.0	100.0

Coefficient of Utilization



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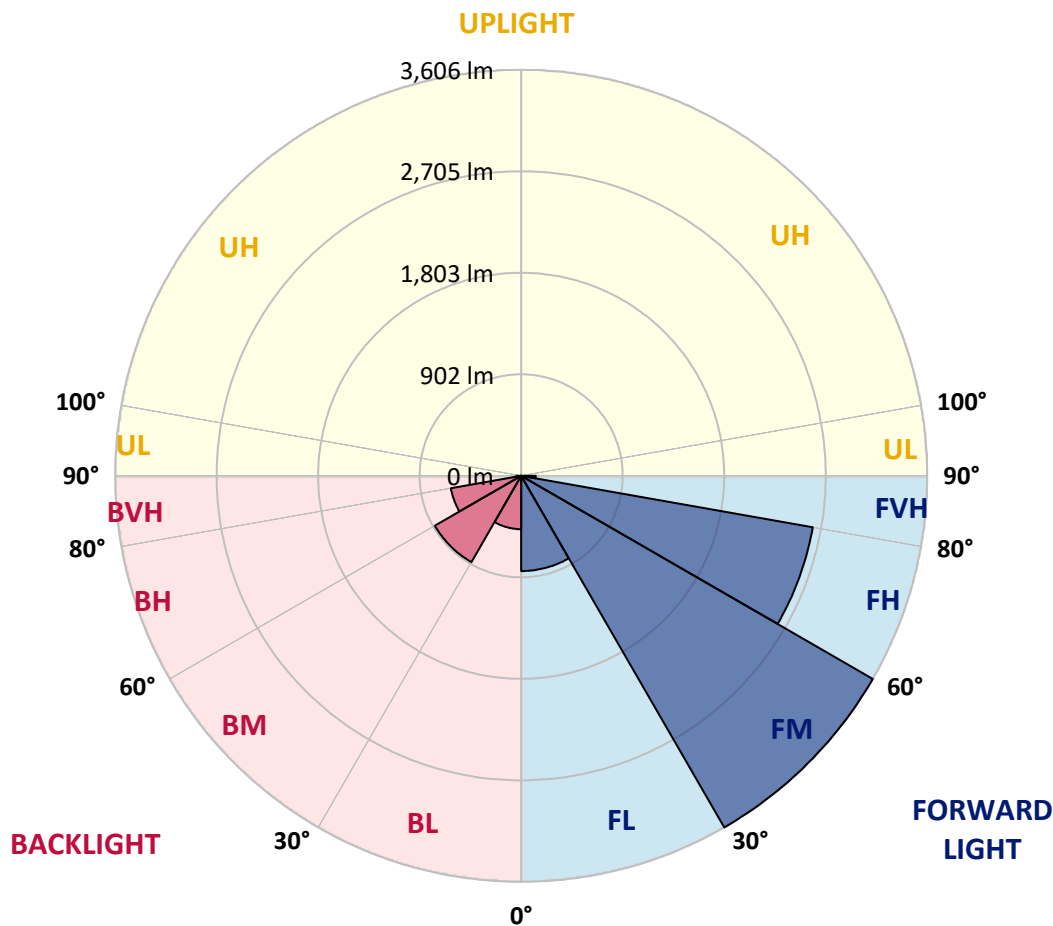
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	845.8	9.1			
FM	(30°-60°)	3606.1	39.0			
FH	(60°-80°)	2630.2	28.4			G2/5000
FVH	(80°-90°)	129.3	1.4			G2/225
BL	(0°-30°)	473.9	5.1	B1/500		
BM	(30°-60°)	884.9	9.6	B1/1000		
BH	(60°-80°)	633.5	6.9	B2/1000		G2/1000
BVH	(80°-90°)	42.3	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0
2.5°	1857.0	1848.2	1853.6	1851.6	1854.1	1857.0	1858.0	1859.5	1864.4	1863.9	1863.4
5°	1853.1	1844.3	1851.6	1849.2	1855.6	1862.4	1868.3	1873.7	1881.5	1884.9	1880.0
7.5°	1844.8	1838.9	1846.3	1853.6	1865.3	1875.6	1883.9	1896.2	1907.4	1909.4	1912.8
10°	1796.4	1792.0	1809.1	1828.2	1860.4	1888.3	1906.4	1920.6	1932.8	1934.8	1939.7
12.5°	1746.0	1740.6	1759.7	1785.6	1838.0	1888.3	1926.5	1945.1	1955.8	1962.2	1969.5
15°	1737.7	1733.3	1744.0	1766.5	1810.1	1875.1	1940.2	1974.4	1983.7	1991.0	1994.0
17.5°	1777.8	1769.5	1773.9	1781.7	1807.1	1862.9	1950.9	2007.7	2021.8	2029.7	2029.7
20°	1870.7	1859.0	1852.1	1836.5	1832.1	1864.8	1949.9	2047.8	2066.3	2076.1	2078.6
22.5°	1994.5	1986.6	1972.0	1932.3	1889.3	1888.8	1968.5	2099.1	2133.8	2143.1	2137.3
25°	2144.1	2132.4	2113.8	2060.0	1977.3	1936.3	1999.8	2164.7	2222.9	2225.3	2208.2
27.5°	2316.3	2298.7	2273.2	2202.3	2090.8	2010.6	2047.8	2240.0	2325.1	2324.1	2288.9
30°	2497.7	2480.1	2453.2	2367.1	2226.8	2110.9	2114.3	2321.2	2446.4	2441.0	2380.8
32.5°	2630.3	2617.1	2611.7	2545.2	2383.3	2229.2	2190.6	2411.1	2596.0	2591.1	2507.0
35°	2732.0	2714.9	2721.2	2687.5	2554.0	2361.8	2284.0	2518.3	2778.0	2777.5	2672.8
37.5°	2832.7	2817.6	2823.0	2800.5	2711.9	2530.0	2397.9	2649.3	3003.4	3014.2	2873.3
40°	2924.7	2908.5	2930.1	2909.0	2834.7	2709.0	2527.5	2797.5	3264.6	3285.1	3115.9
42.5°	2979.9	2967.2	3002.9	3003.4	2941.3	2860.1	2669.9	2960.9	3566.8	3612.8	3414.2
45°	2999.0	2994.6	3048.4	3059.7	3035.7	2947.7	2798.0	3138.9	3892.6	3974.7	3754.2
47.5°	2978.5	2970.2	3044.5	3086.1	3105.1	2988.7	2904.1	3331.6	4225.1	4345.4	4124.9
50°	2874.8	2858.7	2969.2	3056.7	3124.7	3015.6	3011.2	3554.1	4603.2	4734.8	4497.6
52.5°	2688.5	2676.2	2801.9	2954.0	3081.7	3028.9	3131.6	3797.2	4962.2	5132.4	4879.5
55°	2450.3	2434.1	2572.5	2771.1	2974.6	3024.5	3251.9	4069.1	5385.7	5558.4	5274.2
57.5°	2072.7	2040.4	2215.5	2450.3	2800.0	3019.1	3377.1	4339.6	5816.1	6023.0	5695.3
60°	1522.0	1474.1	1688.8	1967.1	2458.6	2966.7	3532.1	4642.8	6332.6	6518.9	6155.0
62.5°	886.2	858.3	998.7	1258.4	1853.1	2658.6	3619.2	4995.4	6840.2	7035.9	6606.9
65°	688.1	680.3	692.5	712.6	1031.5	1990.5	3350.7	5339.3	7485.8	7622.8	7077.9
67.5°	629.4	623.6	629.0	591.3	523.3	1108.7	2650.8	5426.3	8177.4	8260.5	7490.2
70°	559.5	552.7	570.3	538.0	411.8	504.2	1712.7	5110.4	8727.6	8883.6	7803.7
72.5°	455.8	448.0	489.1	474.4	346.8	323.8	860.3	4359.6	8669.9	8993.6	7579.2
75°	350.2	345.8	394.7	406.9	282.7	254.8	412.8	3240.6	7629.6	7955.8	6532.1
77.5°	271.9	268.5	293.4	338.0	227.9	197.6	253.8	2055.6	5749.6	5806.8	4501.5
80°	203.9	194.2	217.2	261.7	177.5	144.3	172.2	1198.7	3634.3	3294.4	1959.2
82.5°	127.6	122.8	141.8	174.6	125.2	99.3	112.0	662.2	1456.5	857.8	378.1
85°	72.9	70.9	77.3	99.8	68.0	57.2	64.1	292.5	266.1	182.9	114.0
87.5°	29.3	28.4	35.2	44.5	24.9	21.0	22.5	70.4	58.7	54.3	37.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0
2.5°	1861.4	1861.4	1854.6	1843.8	1831.6	1823.8	1811.1	1807.6	1794.4	1790.5	1796.9
5°	1883.9	1880.0	1859.0	1828.7	1787.1	1748.9	1706.9	1680.5	1643.3	1630.1	1639.9
7.5°	1912.3	1901.5	1865.3	1798.8	1711.8	1626.2	1537.2	1469.7	1405.1	1382.1	1385.1
10°	1938.2	1923.1	1861.4	1745.0	1594.4	1446.2	1304.4	1205.1	1129.8	1099.0	1105.8
12.5°	1964.1	1936.3	1835.5	1655.5	1427.6	1226.6	1075.5	998.2	951.7	914.6	926.8
15°	1988.6	1949.5	1795.4	1535.7	1244.7	1040.8	929.2	867.6	830.5	806.0	810.4
17.5°	2017.0	1960.7	1735.2	1383.6	1070.6	912.1	821.2	784.0	776.7	773.7	775.7
20°	2056.6	1971.0	1656.0	1213.4	942.5	809.4	762.5	759.0	758.6	757.1	762.0
22.5°	2099.1	1983.2	1551.4	1058.9	833.4	745.4	737.0	730.2	725.8	725.3	730.7
25°	2149.5	1987.1	1420.3	932.2	740.5	715.0	705.2	695.0	692.0	692.0	695.0
27.5°	2198.4	1973.9	1267.7	822.1	688.1	687.2	674.4	671.0	670.5	672.0	675.9
30°	2247.3	1949.0	1116.1	720.4	657.8	657.8	653.4	655.9	657.8	662.7	666.1
32.5°	2313.3	1922.6	989.4	645.1	631.4	626.5	630.9	635.8	637.8	644.1	649.5
35°	2410.2	1904.0	888.7	604.0	604.0	597.7	600.1	599.1	594.7	591.8	598.6
37.5°	2538.3	1903.0	805.5	584.9	581.0	580.0	580.5	574.2	557.1	536.5	537.0
40°	2692.4	1929.4	741.4	571.7	568.8	574.7	571.7	554.6	507.7	472.0	471.0
42.5°	2899.2	2004.7	700.4	555.6	564.4	571.7	560.0	500.8	469.0	445.1	444.1
45°	3142.8	2127.0	679.3	538.5	556.1	564.9	508.2	482.2	456.8	427.9	426.0
47.5°	3418.6	2281.1	674.4	522.3	537.5	542.9	486.1	474.4	445.5	414.2	411.8
50°	3718.9	2463.5	687.6	503.3	510.6	492.0	478.8	468.0	438.2	407.4	404.0
52.5°	4029.5	2664.5	714.1	477.3	483.7	463.2	475.9	466.6	433.8	392.2	389.3
55°	4334.7	2867.0	739.5	447.0	456.3	437.2	467.6	460.7	413.8	366.8	364.4
57.5°	4644.8	3068.5	764.4	420.1	429.9	412.3	454.4	445.1	391.3	343.3	342.4
60°	4967.1	3264.1	776.2	394.2	401.0	389.3	434.3	418.2	365.8	319.4	317.9
62.5°	5268.8	3427.0	757.1	368.3	372.7	367.8	407.9	386.4	340.4	292.5	292.0
65°	5571.6	3523.8	698.4	342.8	343.8	341.4	370.7	352.1	310.6	269.0	266.1
67.5°	5845.9	3578.1	605.0	315.5	313.0	312.0	336.0	315.0	281.7	245.5	242.6
70°	5904.1	3440.2	462.2	283.2	283.2	280.7	297.8	276.3	249.9	220.6	219.6
72.5°	5392.6	2893.9	328.2	246.5	250.4	245.5	259.7	241.6	217.6	198.1	192.2
75°	4348.4	2122.1	238.7	208.8	215.7	207.4	220.6	207.9	187.3	186.8	168.2
77.5°	2987.8	1312.2	173.1	172.2	177.0	166.3	181.4	174.6	156.0	147.7	138.4
80°	1275.0	523.3	126.2	133.0	133.0	123.2	140.9	142.8	126.7	122.8	122.8
82.5°	253.8	148.7	88.5	91.5	86.1	83.1	99.8	110.5	152.6	169.7	170.2
85°	76.3	54.8	53.3	49.9	44.0	44.5	58.7	111.0	136.9	78.3	67.5
87.5°	21.0	13.7	14.2	11.2	9.3	12.2	20.1	84.1	46.0	19.6	16.6
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)