

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: P940922

Luminaire Tested: **GALN-SB4B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940922
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-SB4B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18480 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 147
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



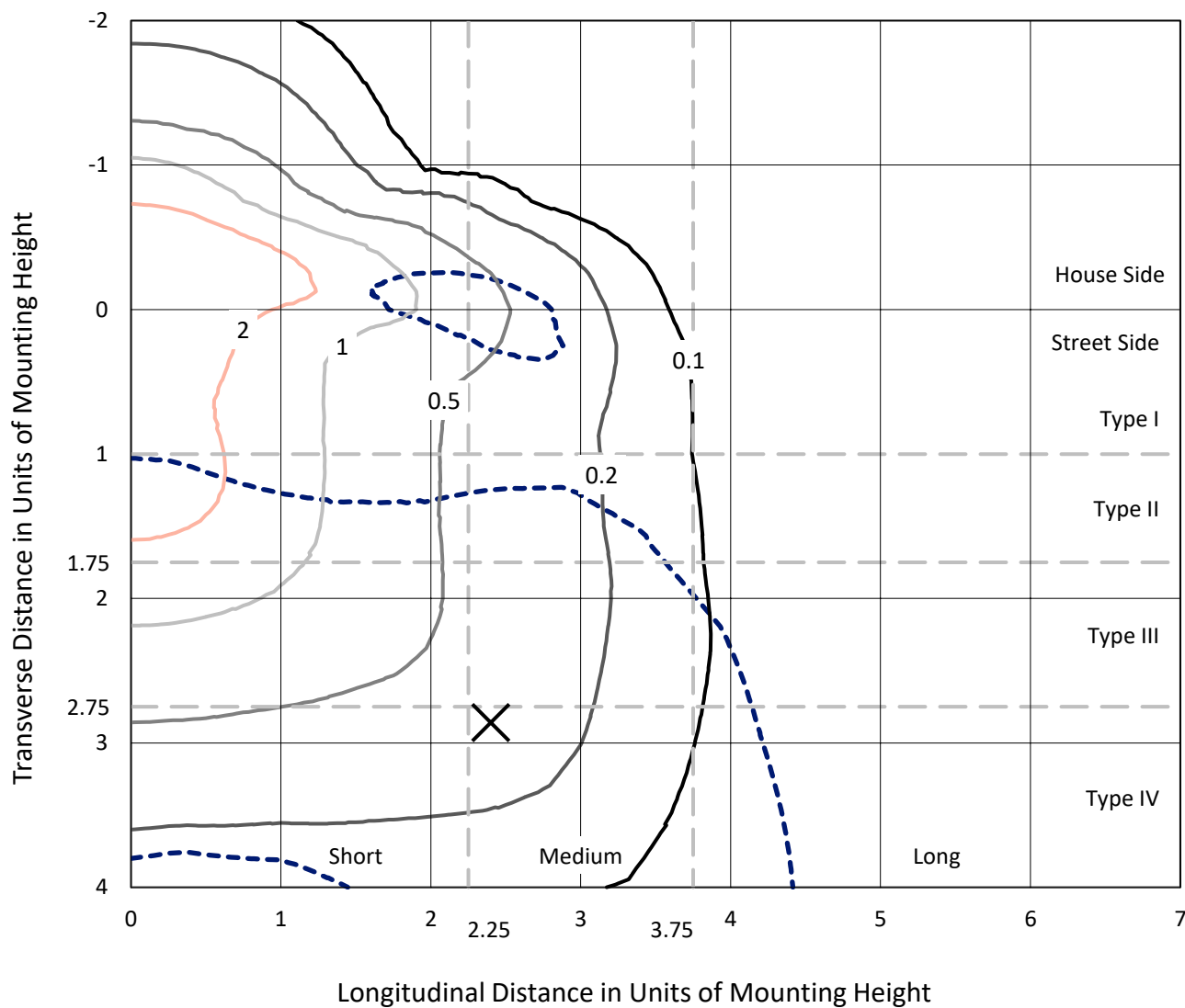
REPORT NUMBER: P940922

CATALOG NUMBER: GALN-SB4B-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

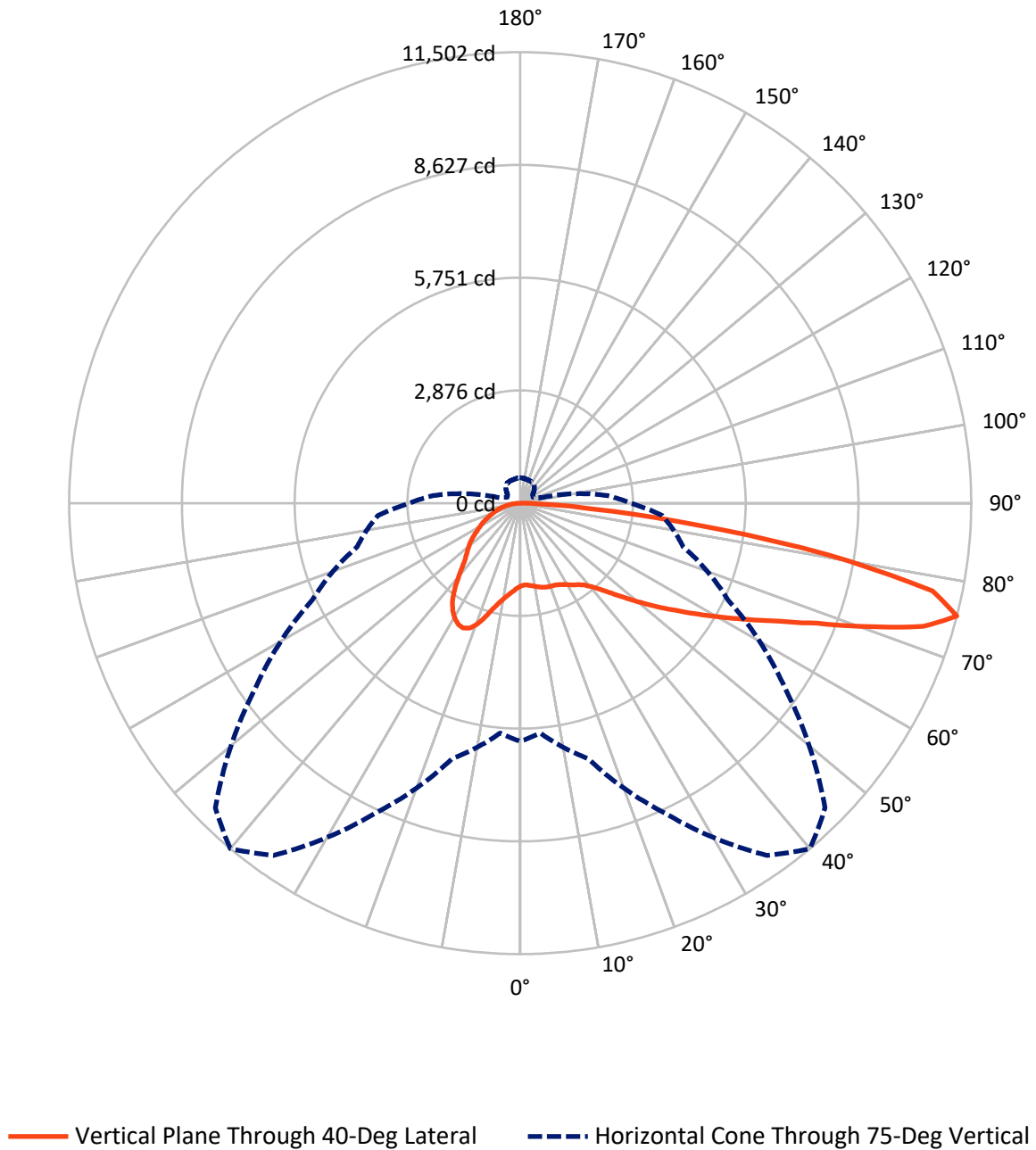


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P940922

CATALOG NUMBER: GALN-SB4B-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P940922

CATALOG NUMBER: GALN-SB4B-722-U-SL4

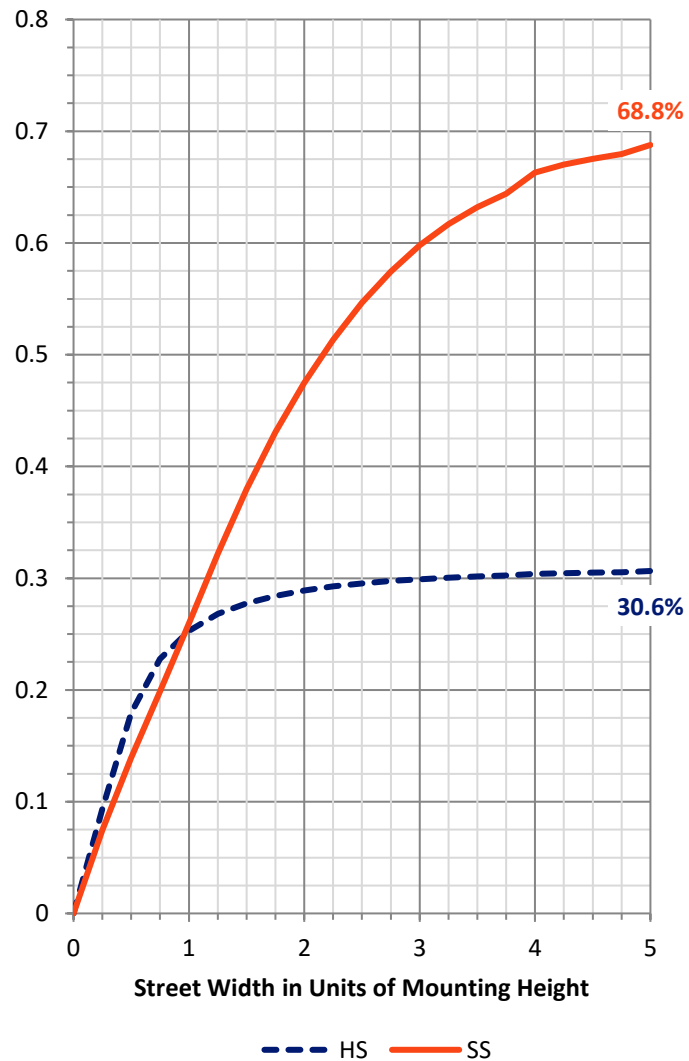
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5725.7	0.0	5725.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12754.3	0.0	12754.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	18480.0	0.0	18480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	1.1
10°-20°	708.2	3.8
20°-30°	1293.2	7.0
30°-40°	1834.0	9.9
40°-50°	2476.5	13.4
50°-60°	3331.6	18.0
60°-70°	4228.5	22.9
70°-80°	3837.6	20.8
80°-90°	559.4	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°	18480.0	100.0
0°-180°	18480.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940922

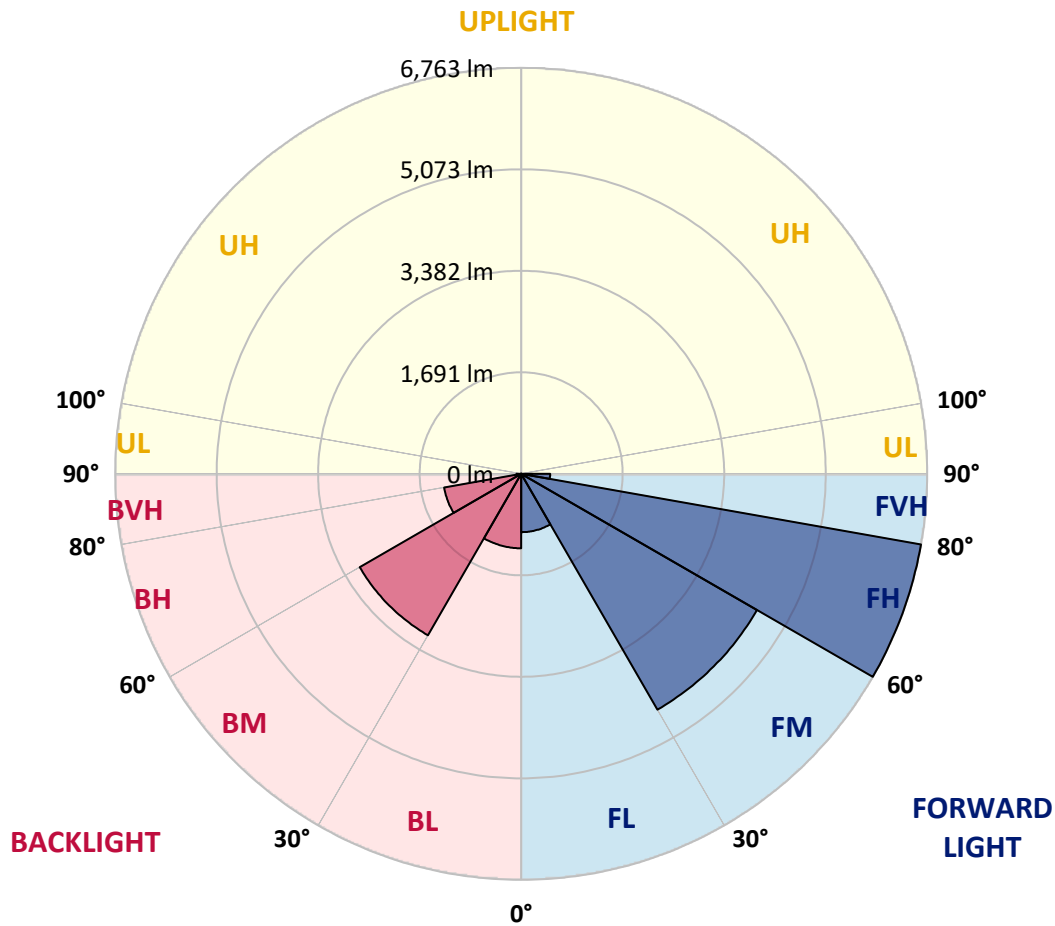
CATALOG NUMBER: GALN-SB4B-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	972.1	5.3			
FM	(30°-60°)	4536.4	24.5			
FH	(60°-80°)	6763.4	36.6			G3/7500
FVH	(80°-90°)	482.4	2.6			G3/500
BL	(0°-30°)	1240.2	6.7	B3/2500		
BM	(30°-60°)	3105.7	16.8	B3/5000		
BH	(60°-80°)	1302.8	7.0	B3/2500		G3/2500
BVH	(80°-90°)	77.0	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: P940922

CATALOG NUMBER: GALN-SB4B-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2
2.5°	2080.9	2092.6	2089.7	2085.8	2085.8	2086.7	2085.8	2092.6	2099.5	2106.4	2117.1
5°	2102.4	2114.2	2108.3	2103.4	2099.5	2098.5	2095.6	2094.6	2098.5	2107.3	2122.0
7.5°	2144.6	2156.3	2147.5	2138.7	2130.9	2126.9	2123.0	2117.1	2114.2	2119.1	2139.7
10°	2191.6	2203.4	2192.6	2176.9	2164.2	2159.3	2155.4	2149.5	2145.6	2148.5	2171.0
12.5°	2238.7	2250.4	2235.7	2214.2	2197.5	2194.6	2189.7	2187.7	2186.7	2185.7	2208.3
15°	2282.8	2292.6	2274.0	2248.5	2230.8	2225.9	2221.0	2224.0	2228.9	2234.8	2260.2
17.5°	2317.1	2326.9	2299.4	2266.1	2249.5	2247.5	2244.6	2254.4	2268.1	2282.8	2314.1
20°	2348.4	2358.3	2323.0	2277.9	2258.3	2258.3	2259.3	2279.8	2299.4	2321.0	2364.1
22.5°	2392.6	2400.4	2357.3	2295.5	2267.1	2269.1	2276.9	2297.5	2322.0	2351.4	2411.2
25°	2458.2	2464.1	2411.2	2328.8	2296.5	2302.4	2309.2	2319.0	2342.6	2376.9	2457.2
27.5°	2564.1	2569.0	2499.4	2387.7	2338.6	2348.4	2358.3	2351.4	2362.2	2391.6	2494.5
30°	2713.1	2716.0	2627.8	2479.8	2410.2	2415.1	2417.1	2388.6	2368.1	2391.6	2521.0
32.5°	2889.5	2888.5	2783.6	2591.5	2491.6	2486.7	2470.0	2414.1	2366.1	2386.7	2544.5
35°	3163.0	3152.2	3016.9	2748.4	2583.7	2553.3	2514.1	2442.5	2375.9	2381.8	2565.1
37.5°	3615.8	3582.5	3395.3	3005.2	2720.9	2643.5	2585.6	2488.6	2397.5	2379.8	2589.6
40°	4126.4	4084.3	3878.5	3357.0	2926.7	2802.3	2709.1	2554.3	2432.7	2388.6	2625.8
42.5°	4732.2	4672.4	4450.9	3771.6	3187.5	3007.1	2867.0	2637.6	2484.7	2417.1	2674.8
45°	5476.1	5396.7	5083.1	4239.2	3515.8	3275.7	3088.5	2764.0	2564.1	2471.9	2748.4
47.5°	6227.9	6247.5	5801.5	4774.3	3909.8	3607.0	3365.8	2954.2	2679.7	2560.2	2867.0
50°	7026.7	7040.4	6516.1	5367.3	4356.8	3981.4	3677.5	3166.9	2840.5	2685.6	3044.4
52.5°	7650.1	7652.1	7164.9	5987.8	4822.4	4393.1	4013.7	3410.0	3026.7	2852.2	3280.6
55°	8040.2	8035.3	7619.7	6574.9	5357.5	4825.3	4386.2	3686.4	3254.1	3048.3	3577.6
57.5°	8323.5	8308.8	7933.4	7079.7	5928.0	5336.0	4807.7	4000.0	3522.7	3281.6	3968.6
60°	8431.3	8422.5	8146.1	7515.8	6527.8	5900.5	5293.8	4350.9	3827.5	3557.0	4471.5
62.5°	8472.5	8489.1	8354.8	7938.3	7169.8	6525.9	5828.0	4770.4	4170.6	3868.7	5001.7
65°	8617.5	8647.9	8620.5	8491.1	7895.1	7258.0	6536.6	5269.3	4545.0	4202.9	5555.5
67.5°	8904.7	8935.1	8946.8	9152.7	8781.2	8170.6	7420.7	5890.7	4983.1	4549.9	5972.1
70°	8897.8	8889.0	9096.8	9679.0	9890.7	9434.0	8612.6	6655.2	5505.5	4838.0	6025.0
72.5°	8099.0	8028.4	8519.5	9673.1	10814.0	10753.3	10068.1	7641.3	5956.4	4873.3	5228.1
75°	6076.0	5887.8	6755.2	8717.5	10967.9	11502.1	10993.4	8252.9	5849.6	4305.8	3638.3
77.5°	2598.4	2409.2	3431.5	6453.3	9816.2	10752.3	10144.6	7200.2	4669.5	2847.3	1786.8
80°	680.2	679.2	1037.0	2925.8	6675.8	7940.2	6966.0	4649.9	2668.0	1017.4	493.0
82.5°	281.3	274.4	381.3	1138.0	3262.0	4455.8	3636.4	2074.0	963.5	275.4	163.7
85°	104.9	103.9	185.2	393.0	1150.7	1837.8	1330.1	530.3	240.1	134.3	73.5
87.5°	29.4	28.4	40.2	136.2	280.3	425.4	227.4	87.2	67.6	52.9	21.6
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: P940922

CATALOG NUMBER: GALN-SB4B-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2
2.5°	2120.1	2125.0	2133.8	2140.7	2149.5	2159.3	2173.0	2181.8	2190.6	2196.5	2192.6
5°	2128.9	2139.7	2162.2	2184.8	2211.2	2235.7	2264.2	2284.7	2301.4	2306.3	2308.3
7.5°	2148.5	2166.1	2204.4	2242.6	2284.7	2324.9	2366.1	2401.4	2429.8	2440.6	2441.6
10°	2182.8	2206.3	2260.2	2314.1	2370.0	2431.8	2484.7	2535.7	2575.8	2592.5	2593.5
12.5°	2225.9	2255.3	2325.9	2400.4	2477.8	2563.1	2631.7	2694.4	2744.4	2767.0	2767.0
15°	2281.8	2320.0	2410.2	2510.2	2623.9	2742.5	2829.7	2899.3	2955.2	2982.6	2980.6
17.5°	2342.6	2393.5	2507.2	2658.2	2820.9	2976.7	3078.7	3129.6	3187.5	3213.9	3212.9
20°	2401.4	2464.1	2626.8	2846.4	3063.0	3228.6	3311.0	3324.7	3328.6	3331.5	3339.4
22.5°	2462.1	2546.4	2776.8	3083.6	3315.9	3430.5	3442.3	3383.5	3301.2	3262.9	3273.7
25°	2528.8	2640.5	2972.8	3345.3	3533.5	3547.2	3457.0	3313.9	3158.1	3086.5	3097.3
27.5°	2593.5	2749.3	3208.0	3595.2	3690.3	3569.7	3375.7	3172.8	2984.6	2909.1	2917.9
30°	2658.2	2873.8	3467.8	3813.8	3761.8	3513.9	3247.3	3020.8	2831.7	2752.3	2761.1
32.5°	2723.8	3018.9	3766.7	3971.6	3749.1	3395.3	3087.5	2850.3	2683.7	2600.3	2611.1
35°	2798.3	3197.3	4050.0	4057.8	3663.8	3220.8	2876.8	2646.4	2501.4	2434.7	2449.4
37.5°	2895.4	3423.7	4299.9	4079.4	3514.8	2965.0	2615.1	2405.3	2285.7	2255.3	2276.9
40°	3015.9	3696.2	4491.1	4045.1	3294.3	2654.3	2328.8	2161.2	2093.6	2100.5	2124.0
42.5°	3172.8	4001.0	4625.3	3956.9	2987.5	2333.7	2077.9	2003.4	2035.8	2063.2	2088.7
45°	3376.6	4317.6	4708.7	3806.9	2640.5	2062.2	1929.9	1947.6	1972.1	1975.0	1994.6
47.5°	3637.4	4638.1	4763.5	3580.5	2286.7	1871.1	1835.8	1839.7	1834.8	1814.3	1829.9
50°	3962.8	4949.8	4812.6	3280.6	1985.8	1751.5	1704.5	1690.8	1623.1	1556.5	1565.3
52.5°	4333.3	5236.0	4833.1	2908.1	1751.5	1651.6	1575.1	1488.9	1362.4	1341.8	1348.7
55°	4744.9	5500.6	4780.2	2450.4	1554.5	1523.2	1407.5	1303.6	1289.9	1272.2	1275.2
57.5°	5237.0	5785.9	4672.4	1939.7	1352.6	1373.2	1260.5	1272.2	1247.7	1220.3	1215.4
60°	5775.1	6080.9	4483.2	1474.2	1143.8	1186.0	1222.3	1221.3	1214.4	1191.9	1184.0
62.5°	6259.3	6274.9	4110.8	1129.1	960.6	1040.9	1139.9	1138.9	1133.1	1120.3	1115.4
65°	6547.4	6245.5	3489.3	889.0	809.6	921.3	1028.2	1036.0	1037.0	1036.0	1036.0
67.5°	6496.5	5901.5	2636.6	707.7	685.1	799.8	917.4	928.2	936.0	938.0	940.0
70°	5920.1	5145.8	1719.2	564.6	574.4	693.0	812.5	823.3	830.2	838.0	842.0
72.5°	4614.6	3783.4	984.1	456.8	477.3	600.8	708.7	721.4	725.3	740.0	745.9
75°	2812.1	2225.0	531.2	359.7	392.1	513.6	605.7	620.4	627.3	644.9	646.9
77.5°	1336.9	963.5	302.9	280.3	315.6	419.5	511.6	528.3	509.7	519.5	511.6
80°	451.9	357.8	191.1	213.7	241.1	327.4	409.7	426.4	387.2	385.2	381.3
82.5°	157.8	145.1	121.5	142.1	155.8	234.3	309.7	331.3	288.2	287.2	273.5
85°	61.7	58.8	67.6	77.4	93.1	144.1	203.9	214.7	177.4	143.1	141.1
87.5°	12.7	13.7	16.7	17.6	28.4	50.0	73.5	90.2	71.6	60.8	55.9
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)