

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: P948420

Luminaire Tested: **GALN-SB3C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18526 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 149.1
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

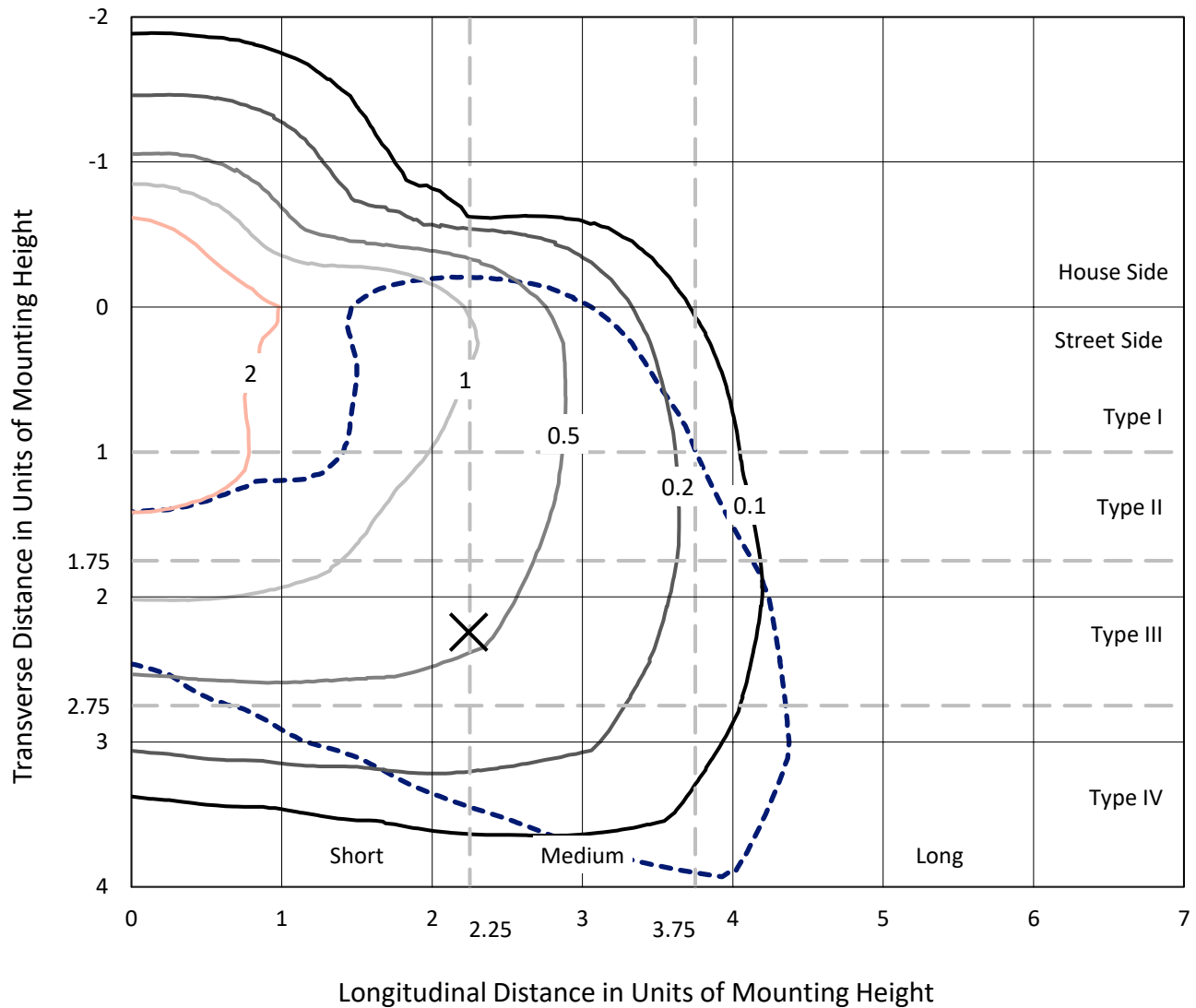


REPORT NUMBER: P948420

CATALOG NUMBER: GALN-SB3C-722-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

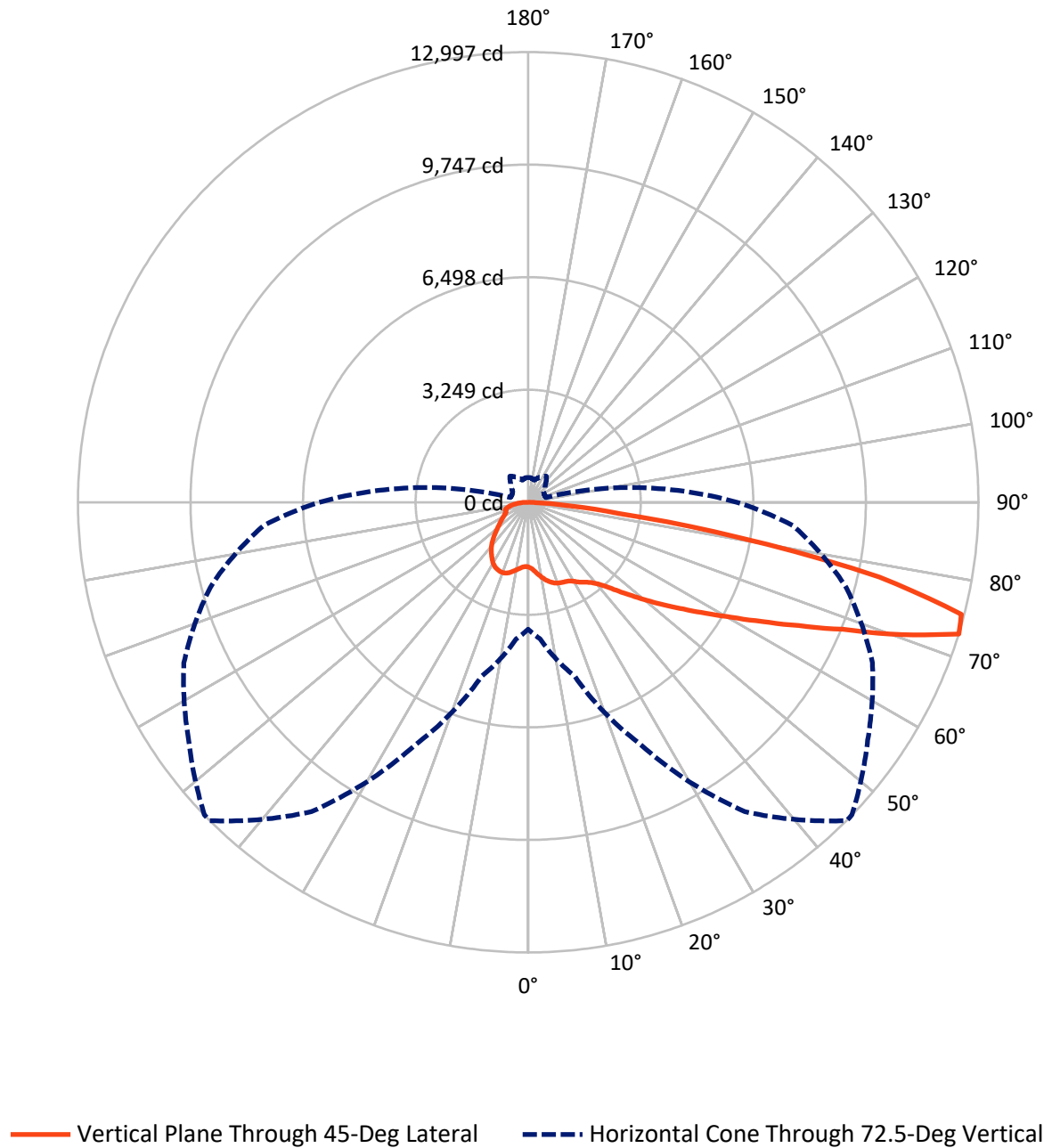


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - N/A

REPORT NUMBER: P948420

CATALOG NUMBER: GALN-SB3C-722-U-T4W

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4188.1	0.0	4188.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	14337.9	0.0	14337.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	18526.0	0.0	18526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.2	1.0
10°-20°	634.2	3.4
20°-30°	1103.3	6.0
30°-40°	1581.6	8.5
40°-50°	2226.9	12.0
50°-60°	3411.0	18.4
60°-70°	4941.4	26.7
70°-80°	3946.0	21.3
80°-90°	491.5	2.7
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°	18526.0	100.0
0°-180°	18526.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948420

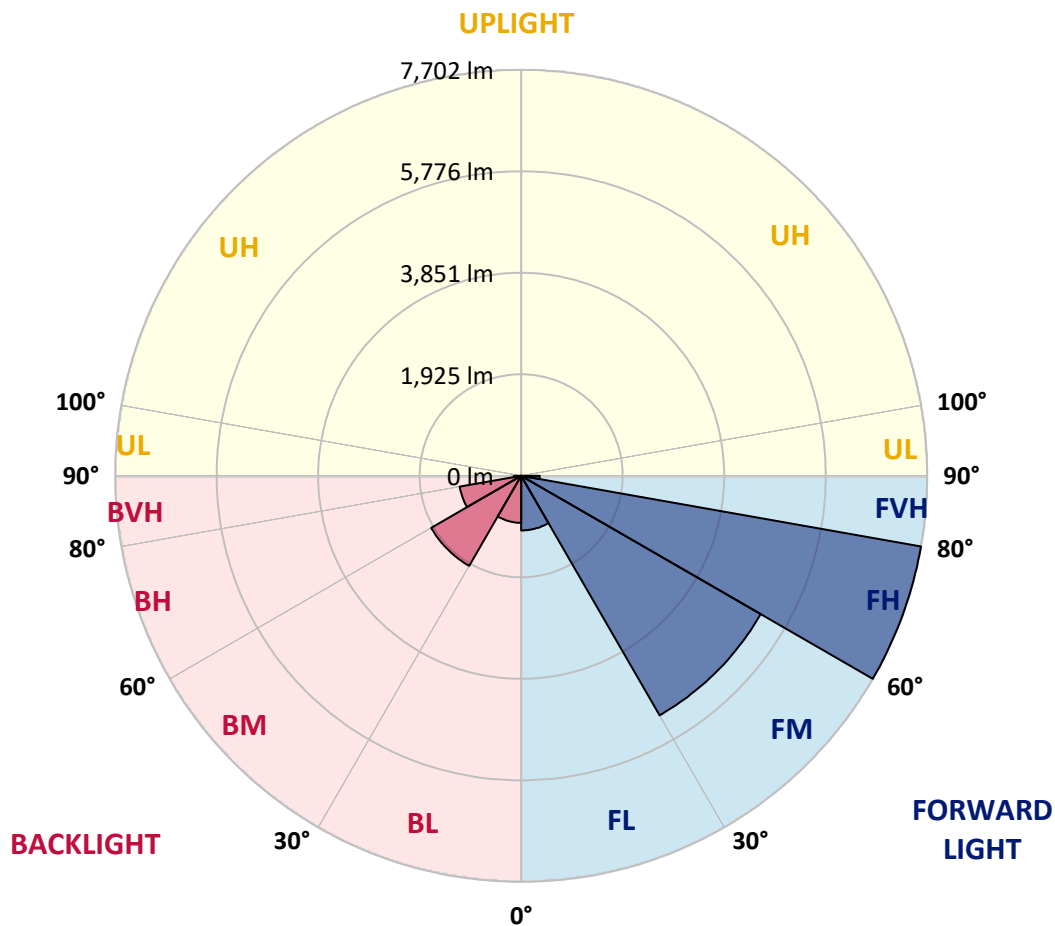
CATALOG NUMBER: GALN-SB3C-722-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1036.0	5.6			
FM	(30°-60°)	5247.5	28.3			
FH	(60°-80°)	7701.8	41.6			G4/12000
FVH	(80°-90°)	352.6	1.9			G3/500
BL	(0°-30°)	891.7	4.8	B2/1000		
BM	(30°-60°)	1972.0	10.6	B2/2500		
BH	(60°-80°)	1185.5	6.4	B3/2500		G3/2500
BVH	(80°-90°)	138.9	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



REPORT NUMBER: P948420

CATALOG NUMBER: GALN-SB3C-722-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9
2.5°	1942.1	1954.8	1943.1	1932.3	1927.5	1914.8	1913.8	1906.0	1901.1	1887.5	1883.6
5°	2077.8	2094.4	2074.8	2053.4	2033.8	2002.6	1998.7	1976.3	1950.9	1921.6	1905.0
7.5°	2231.0	2245.6	2223.2	2191.0	2156.8	2105.1	2104.1	2063.1	2023.1	1973.3	1945.0
10°	2364.7	2384.2	2354.0	2310.0	2267.1	2208.5	2201.7	2154.9	2104.1	2039.7	1996.8
12.5°	2482.8	2496.4	2467.2	2413.5	2363.7	2305.2	2296.4	2244.6	2188.0	2114.8	2060.2
15°	2576.5	2594.0	2555.0	2497.4	2444.7	2387.1	2379.3	2332.5	2275.9	2198.8	2128.5
17.5°	2637.9	2652.6	2612.6	2548.2	2497.4	2449.6	2443.7	2404.7	2354.9	2276.9	2201.7
20°	2661.4	2677.0	2635.0	2569.6	2522.8	2485.7	2482.8	2454.5	2420.3	2349.1	2272.9
22.5°	2684.8	2699.4	2644.8	2576.5	2535.5	2512.1	2511.1	2492.5	2478.9	2420.3	2346.1
25°	2779.5	2783.4	2710.2	2611.6	2553.0	2532.5	2531.6	2530.6	2536.5	2490.6	2425.2
27.5°	2861.4	2860.5	2798.0	2705.3	2614.5	2571.6	2570.6	2580.4	2598.9	2560.8	2507.2
30°	2981.5	2970.7	2896.6	2800.0	2717.0	2650.6	2644.8	2636.0	2650.6	2620.4	2589.2
32.5°	3236.2	3202.0	3082.0	2910.2	2801.9	2751.2	2743.3	2688.7	2694.6	2676.0	2660.4
35°	3601.2	3556.3	3396.2	3119.1	2907.3	2835.1	2831.2	2761.9	2750.2	2733.6	2739.4
37.5°	4035.5	3979.9	3793.5	3421.6	3088.8	2932.7	2926.8	2864.4	2816.5	2799.0	2832.2
40°	4471.7	4401.5	4247.3	3790.5	3356.2	3095.7	3077.1	2982.5	2927.8	2898.5	2968.8
42.5°	4895.3	4836.7	4705.0	4204.3	3686.1	3333.8	3292.8	3130.8	3089.8	3062.5	3189.4
45°	5270.0	5217.3	5120.7	4646.4	4072.6	3657.8	3617.8	3353.3	3340.6	3340.6	3524.1
47.5°	5574.5	5562.8	5460.3	5097.3	4528.3	4026.7	3957.4	3662.7	3696.8	3749.5	3999.4
50°	5912.2	5880.0	5770.7	5541.4	5064.1	4449.3	4392.7	4042.3	4170.2	4314.6	4686.4
52.5°	6222.6	6240.1	6118.1	6003.9	5669.2	4920.7	4821.1	4490.3	4766.5	5005.6	5491.6
55°	6541.7	6542.7	6508.5	6492.9	6303.6	5441.8	5332.5	5029.0	5468.2	5764.8	6430.4
57.5°	6841.3	6843.2	6894.0	7031.6	7039.4	6043.0	5919.0	5690.7	6247.9	6550.5	7398.6
60°	7108.7	7122.4	7260.9	7583.0	7686.5	6732.0	6614.9	6472.4	7054.0	7358.5	8416.5
62.5°	7198.5	7248.3	7556.7	8014.4	8325.7	7577.1	7462.0	7377.1	7901.2	8184.2	9267.5
65°	7046.2	7160.4	7756.7	8370.6	8983.5	8581.4	8467.2	8374.5	8781.5	9047.9	9966.2
67.5°	6672.5	6819.8	7745.0	8744.4	9781.8	9789.6	9683.2	9465.6	9725.2	9827.7	10193.6
70°	5687.7	5908.3	7062.8	8883.9	10698.2	11441.8	11339.4	10779.2	10667.0	10171.2	9553.4
72.5°	3664.6	3961.3	5200.8	7735.2	10902.2	12996.5	12990.7	11964.9	10964.6	9503.6	7662.1
75°	1337.0	1518.6	2416.4	4855.3	9151.3	12917.5	12955.5	11762.0	10009.2	7341.0	4773.3
77.5°	487.0	532.9	788.6	1866.0	5628.2	10364.4	10443.5	9403.1	7124.3	3684.1	1891.4
80°	255.7	281.1	404.0	724.1	2411.5	6155.2	6279.2	5588.2	3348.4	1109.6	567.0
82.5°	141.5	153.2	226.4	393.3	1086.2	2632.1	2706.3	2207.6	1178.0	470.4	234.2
85°	76.1	81.0	106.4	214.7	530.9	912.5	933.0	659.7	469.4	276.2	113.2
87.5°	22.4	27.3	35.1	68.3	207.9	204.9	209.8	130.8	185.4	139.6	37.1
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: P948420

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9	1868.9
2.5°	1877.7	1874.8	1864.0	1859.2	1853.3	1852.3	1857.2	1858.2	1859.2	1860.1	1864.0
5°	1895.3	1885.5	1875.7	1869.9	1871.8	1872.8	1882.6	1889.4	1894.3	1898.2	1900.1
7.5°	1929.4	1921.6	1905.0	1904.0	1907.0	1915.8	1928.4	1944.1	1952.8	1959.7	1961.6
10°	1980.2	1965.5	1946.0	1948.9	1954.8	1967.5	1993.8	2006.5	2021.2	2033.8	2030.9
12.5°	2031.9	2019.2	1996.8	1998.7	2008.5	2030.9	2056.3	2071.9	2081.7	2091.4	2095.3
15°	2099.2	2076.8	2052.4	2052.4	2070.0	2094.4	2106.1	2118.8	2124.6	2135.3	2139.2
17.5°	2168.5	2139.2	2107.0	2105.1	2126.6	2138.3	2145.1	2147.1	2149.0	2160.7	2164.6
20°	2237.8	2205.6	2159.7	2155.8	2160.7	2158.8	2157.8	2155.8	2158.8	2173.4	2179.3
22.5°	2306.1	2269.0	2205.6	2188.0	2174.4	2155.8	2154.9	2153.9	2155.8	2170.5	2180.2
25°	2386.2	2341.3	2256.4	2203.7	2157.8	2132.4	2135.3	2136.3	2138.3	2150.0	2165.6
27.5°	2473.0	2423.2	2303.2	2198.8	2115.8	2098.3	2093.4	2096.3	2103.1	2121.7	2140.2
30°	2559.9	2501.3	2346.1	2179.3	2063.1	2038.7	2023.1	2029.9	2051.4	2070.0	2090.4
32.5°	2638.9	2580.4	2380.3	2136.3	1995.8	1957.7	1937.2	1946.0	1967.5	1974.3	1998.7
35°	2731.6	2665.3	2394.9	2068.0	1922.6	1864.0	1836.7	1824.0	1834.8	1827.9	1849.4
37.5°	2835.1	2765.8	2393.0	1978.2	1836.7	1769.4	1731.3	1683.5	1661.0	1637.6	1652.3
40°	2988.3	2888.8	2369.6	1869.9	1730.3	1668.8	1600.5	1519.5	1468.8	1422.9	1425.8
42.5°	3197.2	3059.6	2326.6	1750.8	1610.3	1552.7	1460.0	1365.3	1285.3	1209.2	1202.4
45°	3508.5	3283.0	2272.9	1624.0	1480.5	1423.9	1323.4	1217.0	1126.2	1028.6	1016.9
47.5°	3957.4	3583.6	2222.2	1479.5	1343.9	1292.1	1201.4	1102.8	995.5	900.8	890.1
50°	4574.2	4015.0	2175.4	1339.0	1209.2	1170.1	1097.9	997.4	889.1	813.0	808.1
52.5°	5358.9	4601.5	2155.8	1203.3	1083.3	1068.6	1011.1	917.4	814.9	750.5	745.6
55°	6259.6	5303.2	2155.8	1073.5	973.0	977.9	937.9	851.0	762.2	704.6	698.8
57.5°	7179.0	6013.7	2116.8	953.5	879.3	899.8	874.4	798.3	718.3	658.8	649.0
60°	8026.1	6609.0	1958.7	844.2	796.4	828.6	812.0	746.6	649.0	599.2	591.4
62.5°	8677.0	6944.7	1654.2	757.3	728.0	765.1	756.3	678.3	636.3	615.8	609.0
65°	9003.0	6890.1	1264.8	680.2	670.5	728.0	709.5	706.6	673.4	650.0	642.2
67.5°	8802.9	6419.7	917.4	623.6	637.3	693.9	765.1	776.8	715.4	669.5	661.7
70°	7925.6	5568.7	683.2	569.9	595.3	694.9	872.5	813.0	701.7	648.0	639.2
72.5°	6029.3	4152.6	529.9	513.3	540.7	699.7	920.3	796.4	662.7	716.3	710.5
75°	3448.0	2279.8	425.5	444.0	472.4	653.9	895.9	753.4	632.4	657.8	657.8
77.5°	1314.6	876.4	351.3	375.7	379.6	570.9	856.9	750.5	602.2	587.5	535.8
80°	455.8	342.6	290.8	298.6	293.8	507.5	821.7	652.9	492.8	441.1	426.5
82.5°	186.4	170.8	230.3	220.6	208.8	394.3	663.6	533.8	403.1	356.2	352.3
85°	81.0	108.3	152.2	133.7	121.0	273.3	531.9	451.9	340.6	293.8	292.8
87.5°	16.6	41.0	64.4	60.5	62.5	182.5	377.7	321.1	241.1	180.5	141.5
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)