

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: STREETWORKS

Report Number: P847393

Luminaire Tested: **GLAN-SB3C-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17418 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

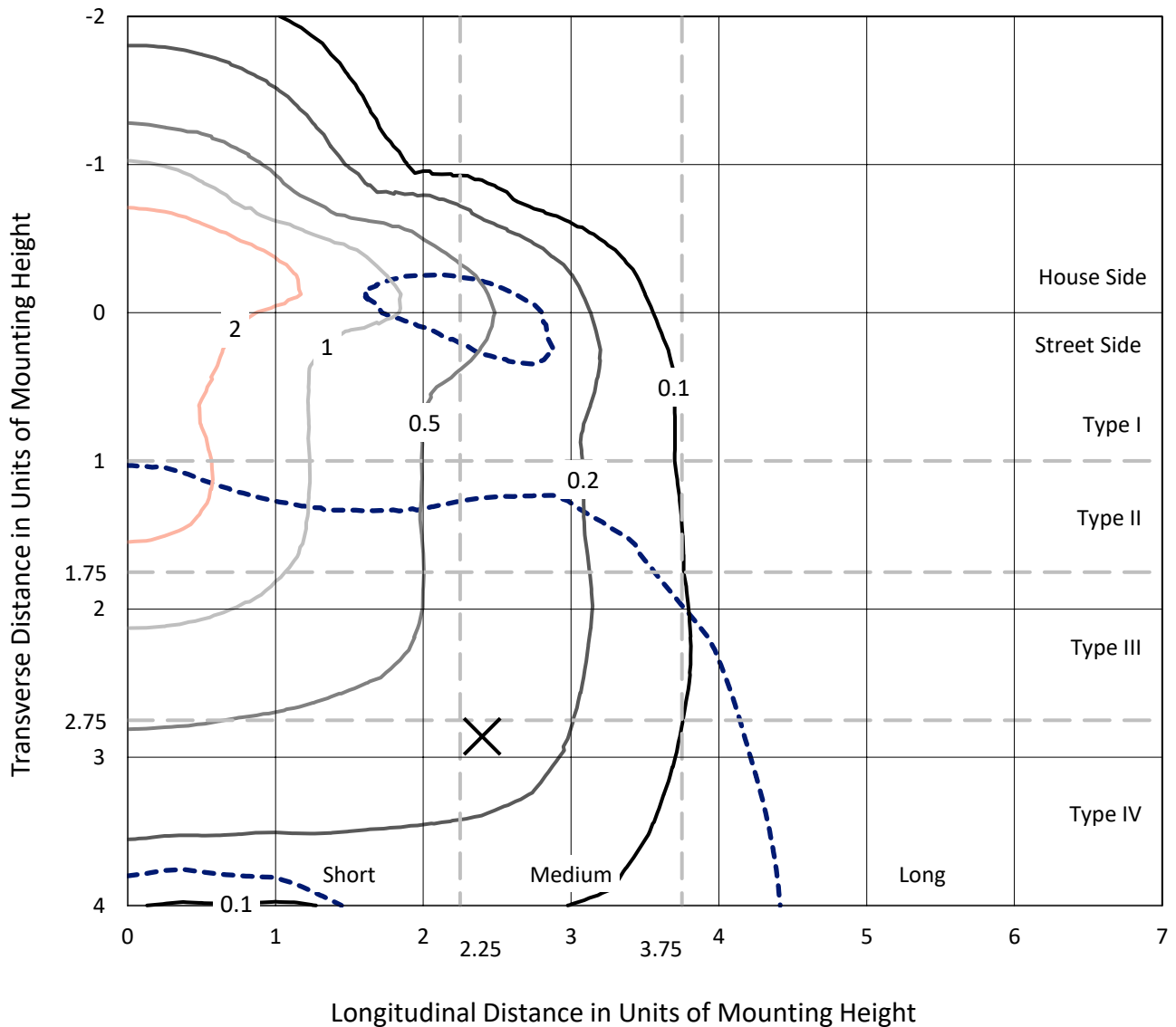
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847393
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Iso-Footcandle Lines of Horizontal Illumination

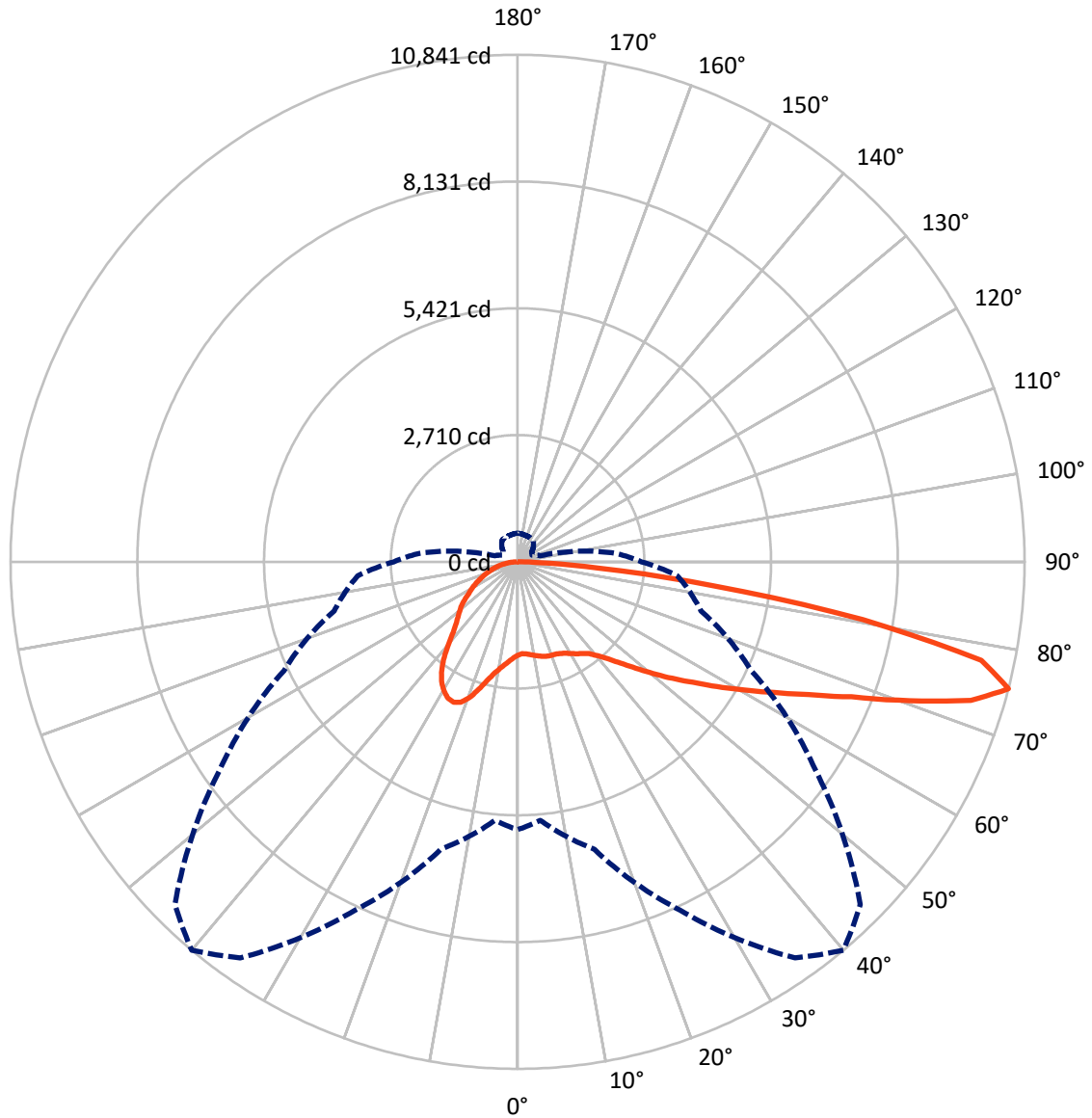
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P847393
CATALOG NUMBER: GLAN-SB3C-722-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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 CATALOG NUMBER: GLAN-SB3C-722-U-SL4

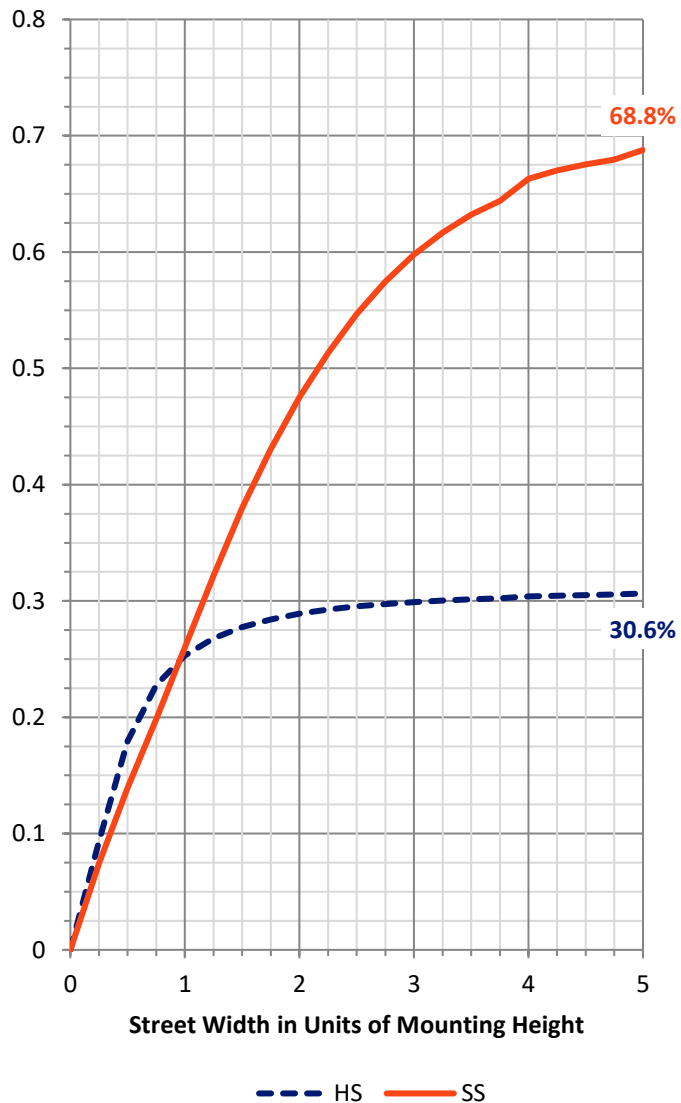
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5396.7	0.0	5396.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12021.3	0.0	12021.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	17418.0	0.0	17418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.8	1.1
10°-20°	667.5	3.8
20°-30°	1218.8	7.0
30°-40°	1728.6	9.9
40°-50°	2334.2	13.4
50°-60°	3140.1	18.0
60°-70°	3985.5	22.9
70°-80°	3617.1	20.8
80°-90°	527.3	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°	17418.0	100.0
0°-180°	17418.0	100.0

Coefficient of Utilization

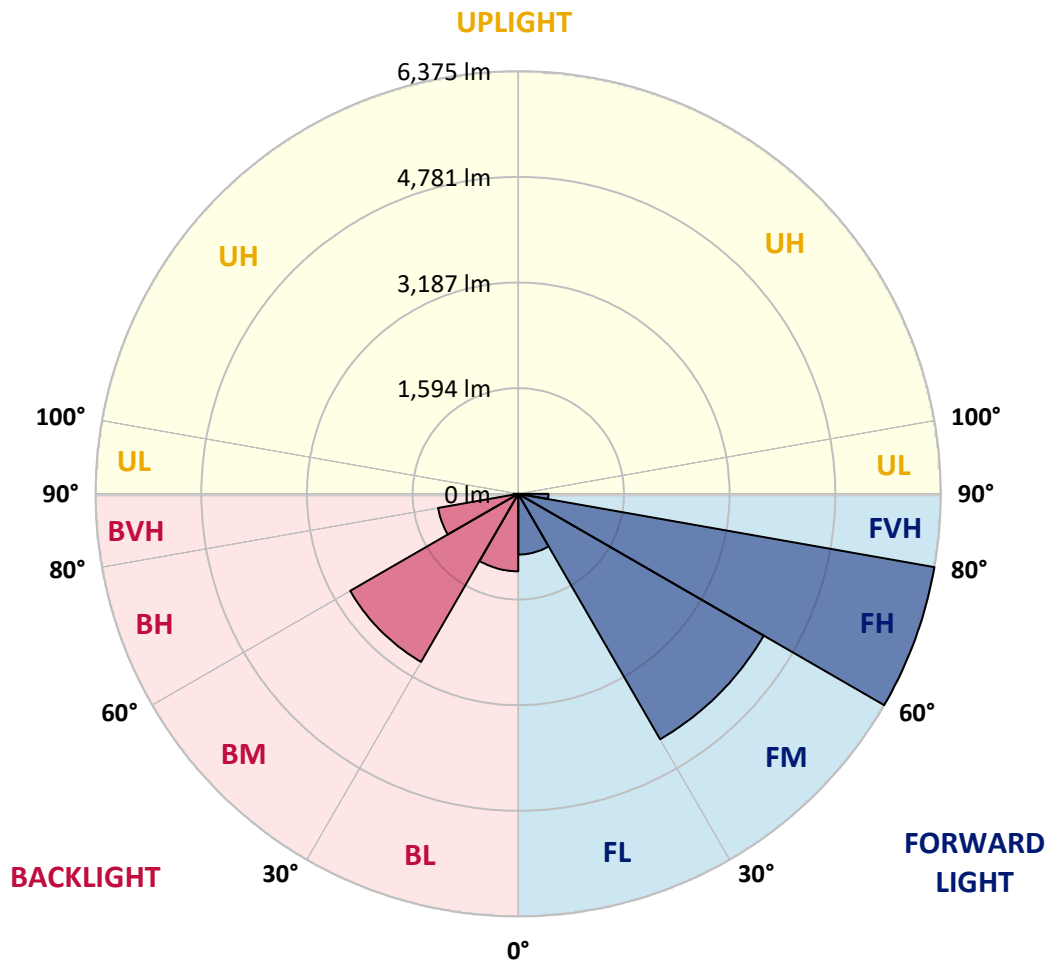


REPORT NUMBER: P847393
 CATALOG NUMBER: GLAN-SB3C-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	916.2	5.3			
FM (30°-60°)	4275.7	24.5			
FH (60°-80°)	6374.7	36.6			G3/7500
FVH (80°-90°)	454.7	2.6			G3/500
BL (0°-30°)	1169.0	6.7	B3/2500		
BM (30°-60°)	2927.2	16.8	B3/5000		
BH (60°-80°)	1227.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	72.6	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: P847393
 CATALOG NUMBER: GLAN-SB3C-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8
2.5°	1961.3	1972.4	1969.6	1965.9	1965.9	1966.8	1965.9	1972.4	1978.8	1985.3
5°	1981.6	1992.7	1987.2	1982.5	1978.8	1977.9	1975.1	1974.2	1977.9	1986.2
7.5°	2021.3	2032.4	2024.1	2015.8	2008.4	2004.7	2001.0	1995.5	1992.7	1997.3
10°	2065.7	2076.8	2066.6	2051.8	2039.8	2035.2	2031.5	2026.0	2022.3	2025.0
12.5°	2110.0	2121.1	2107.2	2086.9	2071.2	2068.4	2063.8	2062.0	2061.1	2060.1
15°	2151.6	2160.8	2143.3	2119.3	2102.6	2098.0	2093.4	2096.2	2100.8	2106.3
17.5°	2183.9	2193.2	2167.3	2135.9	2120.2	2118.3	2115.6	2124.8	2137.7	2151.6
20°	2213.5	2222.7	2189.5	2147.0	2128.5	2128.5	2129.4	2148.8	2167.3	2187.6
22.5°	2255.1	2262.5	2221.8	2163.6	2136.8	2138.7	2146.1	2165.5	2188.5	2216.3
25°	2317.0	2322.5	2272.6	2195.0	2164.5	2170.1	2176.5	2185.8	2207.9	2240.3
27.5°	2416.7	2421.4	2355.8	2250.4	2204.3	2213.5	2222.7	2216.3	2226.4	2254.1
30°	2557.2	2559.9	2476.8	2337.3	2271.7	2276.3	2278.2	2251.4	2232.0	2254.1
32.5°	2723.4	2722.5	2623.7	2442.6	2348.4	2343.7	2328.0	2275.4	2230.1	2249.5
35°	2981.2	2971.0	2843.5	2590.4	2435.2	2406.6	2369.6	2302.2	2239.4	2244.9
37.5°	3408.0	3376.6	3200.1	2832.5	2564.5	2491.6	2437.1	2345.6	2259.7	2243.1
40°	3889.3	3849.6	3655.6	3164.1	2758.5	2641.2	2553.5	2407.5	2292.9	2251.4
42.5°	4460.2	4403.9	4195.1	3554.9	3004.3	2834.3	2702.2	2486.0	2341.9	2278.2
45°	5161.4	5086.6	4791.0	3995.6	3313.8	3087.4	2911.0	2605.2	2416.7	2329.9
47.5°	5870.0	5888.5	5468.1	4500.0	3685.1	3399.7	3172.4	2784.4	2525.7	2413.0
50°	6622.9	6635.9	6141.6	5058.9	4106.4	3752.6	3466.2	2984.9	2677.3	2531.3
52.5°	7210.5	7212.3	6753.2	5643.7	4545.2	4140.6	3783.1	3214.0	2852.8	2688.3
55°	7578.2	7573.5	7181.8	6197.0	5049.6	4548.0	4134.1	3474.5	3067.1	2873.1
57.5°	7845.1	7831.3	7477.5	6672.8	5587.3	5029.3	4531.4	3770.1	3320.2	3093.0
60°	7946.8	7938.4	7677.9	7083.9	6152.7	5561.4	4989.6	4100.9	3607.5	3352.6
62.5°	7985.6	8001.3	7874.7	7482.1	6757.8	6150.8	5493.1	4496.3	3930.9	3646.3
65°	8122.3	8150.9	8125.1	8003.1	7441.4	6840.9	6161.0	4966.5	4283.8	3961.4
67.5°	8393.0	8421.6	8432.7	8626.7	8276.6	7701.0	6994.3	5552.2	4696.7	4288.4
70°	8386.5	8378.2	8574.0	9122.8	9322.3	8891.8	8117.7	6272.8	5189.1	4560.0
72.5°	7633.6	7567.1	8029.9	9117.3	10192.6	10135.3	9489.6	7202.2	5614.1	4593.3
75°	5726.8	5549.4	6367.0	8216.5	10337.6	10841.1	10361.6	7778.6	5513.4	4058.4
77.5°	2449.1	2270.8	3234.3	6082.5	9252.1	10134.4	9561.6	6786.4	4401.1	2683.7
80°	641.1	640.2	977.4	2757.6	6292.2	7483.9	6565.6	4382.6	2514.7	958.9
82.5°	265.1	258.7	359.4	1072.6	3074.5	4199.7	3427.4	1954.8	908.1	259.6
85°	98.8	97.9	174.6	370.5	1084.6	1732.2	1253.6	499.8	226.3	126.6
87.5°	27.7	26.8	37.9	128.4	264.2	400.9	214.3	82.2	63.7	49.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847393
 CATALOG NUMBER: GLAN-SB3C-722-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1991.8	0°	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8	1991.8
1995.5	2.5°	1998.2	2002.9	2011.2	2017.6	2026.0	2035.2	2048.1	2056.4	2064.8	2070.3
2000.1	5°	2006.6	2016.7	2038.0	2059.2	2084.2	2107.2	2134.0	2153.4	2169.1	2173.8
2016.7	7.5°	2025.0	2041.7	2077.7	2113.7	2153.4	2191.3	2230.1	2263.4	2290.2	2300.3
2046.3	10°	2057.4	2079.5	2130.3	2181.2	2233.8	2292.0	2341.9	2389.9	2427.8	2443.5
2081.4	12.5°	2098.0	2125.7	2192.2	2262.5	2335.4	2415.8	2480.5	2539.6	2586.7	2608.0
2130.3	15°	2150.7	2186.7	2271.7	2365.9	2473.1	2584.9	2667.1	2732.7	2785.3	2811.2
2181.2	17.5°	2207.9	2256.0	2363.2	2505.4	2658.8	2805.7	2901.7	2949.8	3004.3	3029.2
2228.3	20°	2263.4	2322.5	2475.9	2682.8	2887.0	3043.1	3120.7	3133.6	3137.3	3140.1
2272.6	22.5°	2320.7	2400.1	2617.2	2906.4	3125.3	3233.4	3244.5	3189.1	3111.5	3075.4
2316.0	25°	2383.5	2488.8	2802.0	3153.0	3330.4	3343.3	3258.3	3123.5	2976.6	2909.1
2351.1	27.5°	2444.4	2591.3	3023.7	3388.6	3478.2	3364.6	3181.7	2990.4	2813.1	2741.9
2376.1	30°	2505.4	2708.7	3268.5	3594.6	3545.6	3311.9	3060.6	2847.2	2668.9	2594.1
2398.3	32.5°	2567.3	2845.4	3550.3	3743.3	3533.6	3200.1	2910.1	2686.5	2529.4	2450.9
2417.7	35°	2637.5	3013.5	3817.3	3824.6	3453.3	3035.7	2711.4	2494.3	2357.6	2294.8
2440.8	37.5°	2729.0	3226.9	4052.8	3845.0	3312.8	2794.6	2464.8	2267.1	2154.4	2125.7
2474.9	40°	2842.6	3483.8	4233.0	3812.6	3105.0	2501.7	2195.0	2037.0	1973.3	1979.8
2521.1	42.5°	2990.4	3771.1	4359.5	3729.5	2815.8	2199.6	1958.5	1888.3	1918.8	1944.7
2590.4	45°	3182.6	4069.5	4438.1	3588.1	2488.8	1943.7	1819.0	1835.6	1858.7	1861.5
2702.2	47.5°	3428.3	4371.6	4489.8	3374.7	2155.3	1763.6	1730.3	1734.0	1729.4	1710.0
2869.4	50°	3735.0	4665.3	4536.0	3092.0	1871.7	1650.9	1606.5	1593.6	1529.9	1467.0
3092.0	52.5°	4084.2	4935.1	4555.4	2741.0	1650.9	1556.6	1484.6	1403.3	1284.1	1264.7
3372.0	55°	4472.2	5184.5	4505.5	2309.6	1465.2	1435.6	1326.6	1228.7	1215.8	1199.1
3740.6	57.5°	4936.0	5453.4	4403.9	1828.3	1274.9	1294.3	1188.0	1199.1	1176.0	1150.2
4214.5	60°	5443.2	5731.4	4225.6	1389.4	1078.1	1117.8	1152.0	1151.1	1144.6	1123.4
4714.3	62.5°	5899.6	5914.3	3874.5	1064.2	905.4	981.1	1074.4	1073.5	1067.9	1055.9
5236.3	65°	6171.2	5886.6	3288.8	837.9	763.1	868.4	969.1	976.5	977.4	976.5
5628.9	67.5°	6123.1	5562.4	2485.1	667.0	645.8	753.8	864.7	874.9	882.3	884.1
5678.8	70°	5579.9	4850.1	1620.4	532.1	541.4	653.1	765.9	776.0	782.5	789.9
4927.7	72.5°	4349.4	3566.0	927.5	430.5	449.9	566.3	667.9	679.9	683.6	697.5
3429.2	75°	2650.5	2097.1	500.7	339.0	369.5	484.1	570.9	584.8	591.2	607.9
1684.1	77.5°	1260.1	908.1	285.5	264.2	297.5	395.4	482.2	497.9	480.4	489.6
464.7	80°	425.9	337.2	180.1	201.4	227.3	308.6	386.2	401.9	364.9	363.1
154.3	82.5°	148.7	136.7	114.6	134.0	146.9	220.8	291.9	312.3	271.6	270.7
69.3	85°	58.2	55.4	63.7	73.0	87.8	135.8	192.2	202.3	167.2	134.9
20.3	87.5°	12.0	12.9	15.7	16.6	26.8	47.1	69.3	85.0	67.4	57.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
1991.8
2066.6
2175.6
2301.3
2444.4
2608.0
2809.4
3028.3
3147.5
3085.6
2919.3
2750.2
2602.4
2461.1
2308.6
2146.1
2001.9
1968.7
1880.0
1724.8
1475.4
1271.2
1201.9
1145.5
1116.0
1051.3
976.5
886.0
793.6
703.0
609.7
482.2
359.4
257.7
133.0
52.7
0.0

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