

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: P852449

Luminaire Tested: **GLAN-SB3D-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20359 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

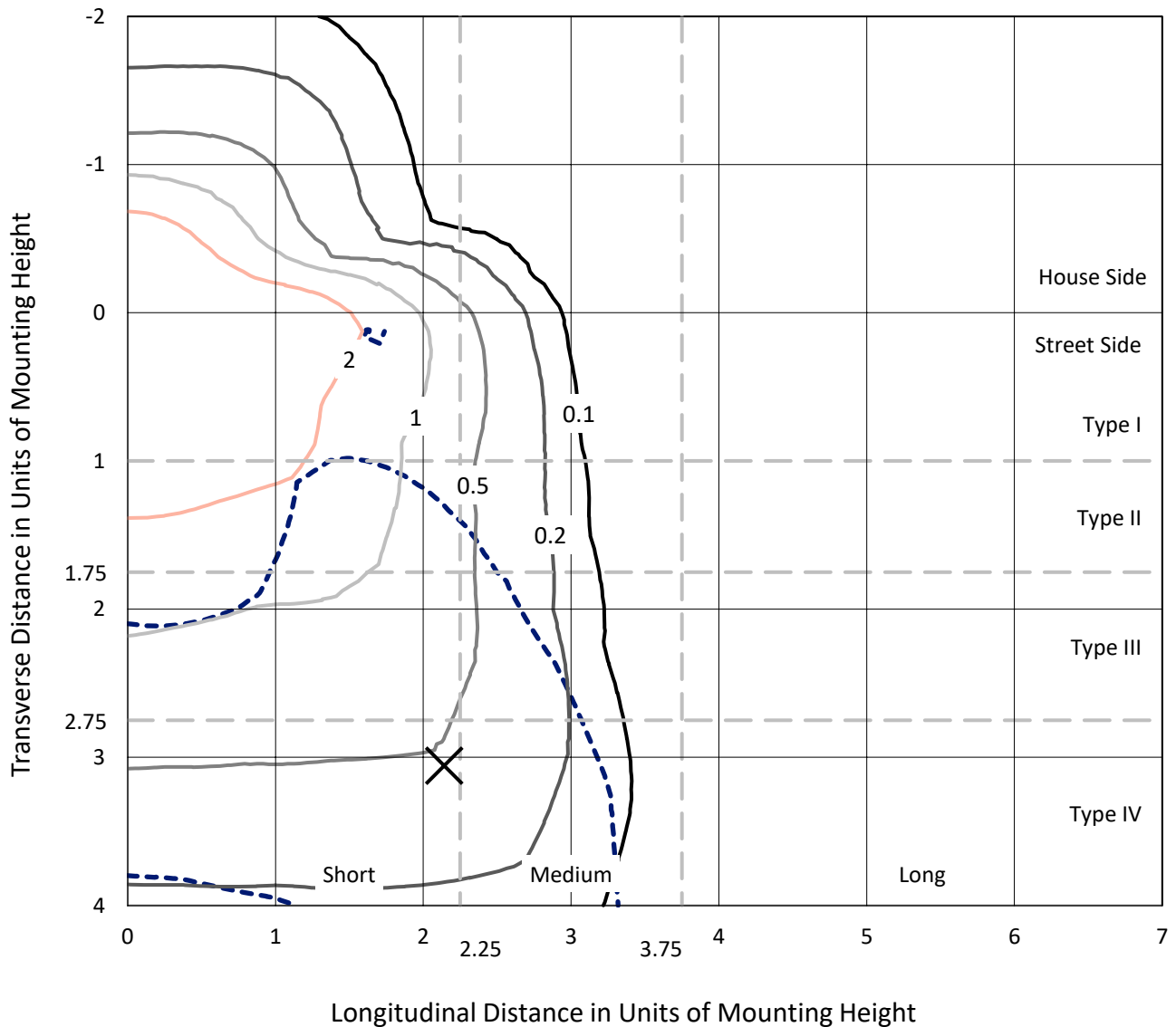
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

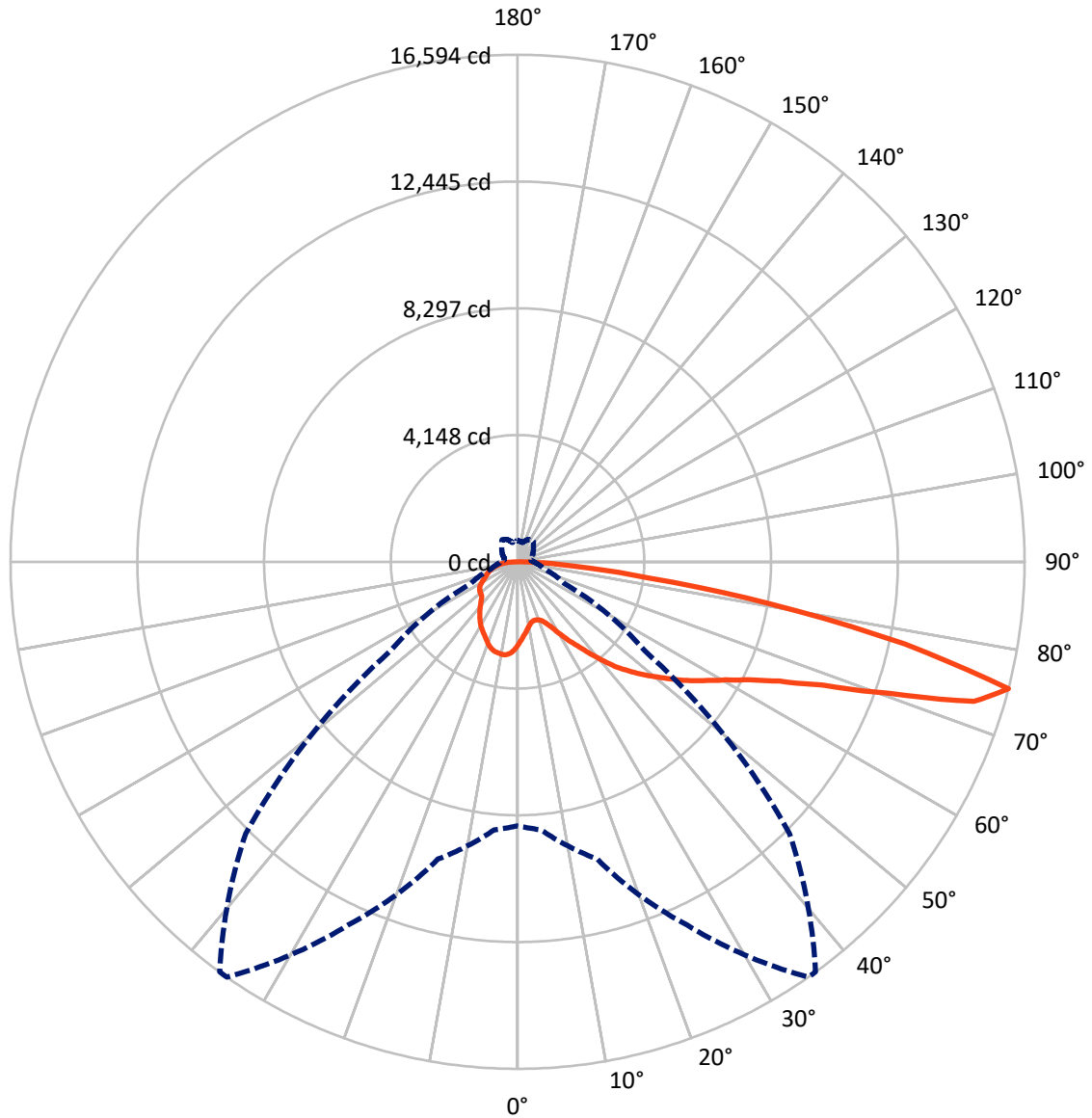
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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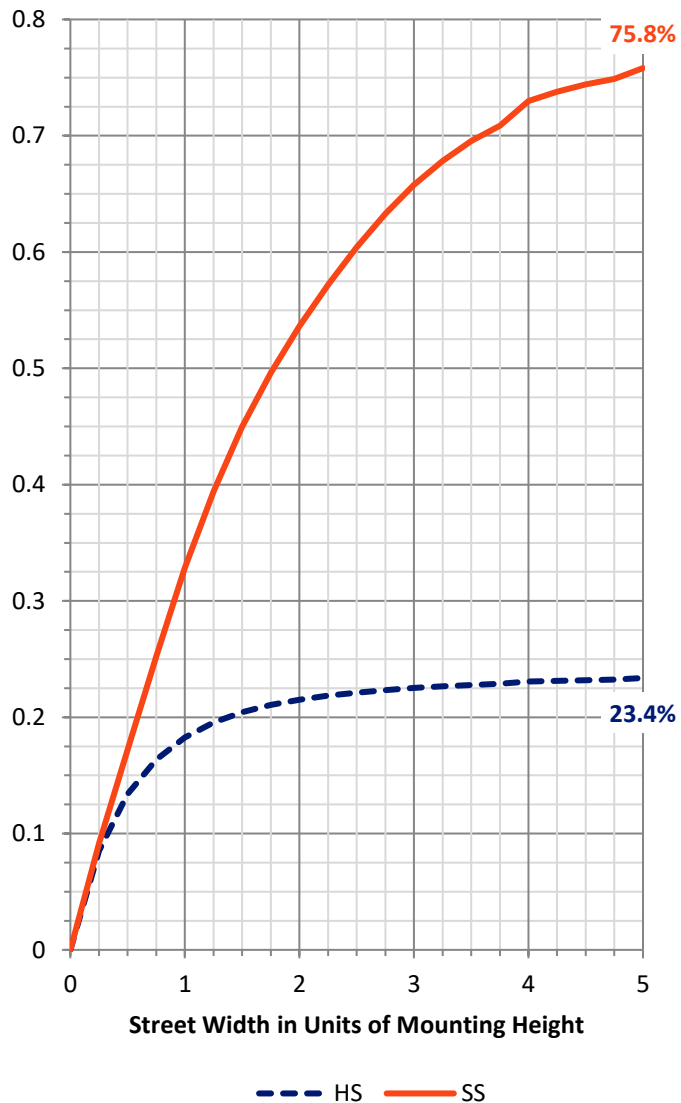
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4844.9	0.0	4844.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	15514.1	0.0	15514.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	20359.0	0.0	20359.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	1.3
10°-20°	740.9	3.6
20°-30°	1244.2	6.1
30°-40°	1933.6	9.5
40°-50°	2870.0	14.1
50°-60°	3962.2	19.5
60°-70°	4807.1	23.6
70°-80°	3972.7	19.5
80°-90°	571.4	2.8
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°	20359.0	100.0
0°-180°	20359.0	100.0

Coefficient of Utilization



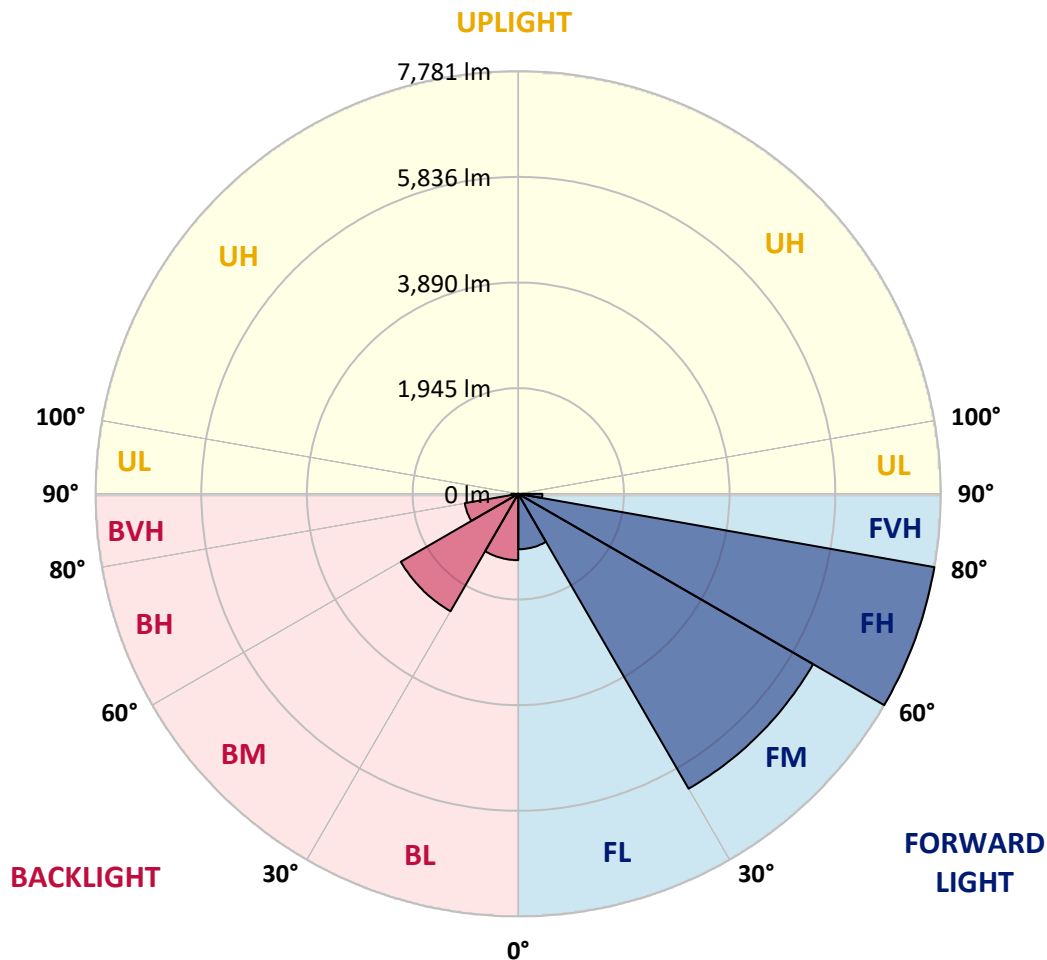
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1021.0	5.0			
FM (30°-60°)	6269.5	30.8			
FH (60°-80°)	7780.9	38.2			G4/12000
FVH (80°-90°)	442.7	2.2			G3/500
BL (0°-30°)	1221.0	6.0	B3/2500		
BM (30°-60°)	2496.4	12.3	B2/2500		
BH (60°-80°)	998.9	4.9	B2/1000		G2/1000
BVH (80°-90°)	128.7	0.6			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0
2.5°	2501.7	2517.1	2523.7	2520.4	2536.9	2534.7	2557.8	2586.4	2626.0	2664.5
5°	2309.1	2325.6	2339.9	2353.1	2385.0	2394.9	2431.2	2486.3	2558.9	2632.6
7.5°	2129.7	2144.0	2166.0	2190.2	2244.1	2254.0	2314.6	2400.4	2501.7	2609.5
10°	1983.3	1997.6	2020.7	2048.2	2115.3	2127.5	2204.5	2319.0	2451.0	2587.5
12.5°	1920.5	1924.9	1938.2	1965.7	2024.0	2031.7	2116.5	2247.4	2401.5	2571.0
15°	1917.2	1926.0	1927.1	1941.5	1989.9	1993.2	2071.3	2201.2	2370.7	2567.7
17.5°	1950.3	1956.9	1947.0	1955.8	1996.5	2002.0	2063.6	2179.2	2360.8	2582.0
20°	2038.3	2043.8	2014.1	2002.0	2031.7	2036.1	2096.6	2193.5	2370.7	2611.7
22.5°	2225.4	2228.7	2156.1	2106.5	2108.7	2110.9	2163.8	2251.8	2409.2	2665.6
25°	2517.1	2514.9	2399.3	2303.6	2248.5	2236.4	2271.6	2346.5	2474.1	2737.2
27.5°	2858.3	2841.7	2726.2	2583.1	2463.1	2445.5	2437.8	2469.7	2566.6	2831.8
30°	3243.5	3228.1	3103.7	2916.6	2750.4	2721.8	2649.1	2632.6	2704.2	2960.6
32.5°	3666.1	3656.2	3507.6	3280.9	3058.6	3025.5	2903.4	2859.4	2915.5	3155.4
35°	4020.5	4011.7	3888.4	3655.1	3383.2	3342.5	3218.1	3168.6	3197.2	3405.3
37.5°	4340.8	4336.4	4230.7	4046.9	3766.2	3716.7	3576.9	3560.4	3554.9	3734.3
40°	4637.9	4626.9	4516.9	4420.0	4212.0	4166.9	4043.6	4029.3	3987.5	4139.3
42.5°	4967.0	4938.4	4778.8	4733.7	4677.5	4640.1	4566.4	4568.6	4476.1	4596.1
45°	5235.5	5219.0	5055.0	5028.6	5089.2	5073.8	5137.6	5154.1	4974.7	5074.9
47.5°	5523.9	5508.5	5369.8	5351.1	5515.1	5519.5	5745.1	5750.6	5461.2	5572.3
50°	5879.4	5857.4	5719.8	5742.9	5926.7	5943.2	6356.0	6318.5	5909.1	6077.5
52.5°	6113.8	6127.0	6097.3	6134.7	6385.7	6401.1	6956.9	6861.1	6352.7	6576.1
55°	6286.6	6313.0	6405.5	6491.3	6869.9	6885.3	7523.7	7377.3	6720.3	7038.3
57.5°	6508.9	6471.5	6644.3	6811.6	7330.0	7370.7	8075.1	7874.8	7046.0	7436.7
60°	6828.1	6801.7	6936.0	7183.6	7845.1	7910.0	8658.4	8322.7	7284.9	7752.6
62.5°	7475.3	7409.2	7430.1	7649.2	8494.4	8580.3	9316.6	8713.4	7403.7	7875.9
65°	8442.7	8329.3	8223.7	8375.6	9409.0	9493.8	10059.5	9020.5	7359.7	7637.1
67.5°	9661.1	9548.8	9418.9	9562.0	10756.1	10823.3	10976.3	9193.3	7013.0	6717.0
70°	10665.9	10624.1	10779.3	11368.1	12907.8	12910.0	12151.7	9050.2	6063.2	4762.3
72.5°	10532.7	10507.4	11325.2	13145.5	15619.7	15561.4	13264.4	7967.2	4084.3	2148.4
75°	8640.8	8804.8	10071.6	13113.6	16593.7	16586.0	12583.1	5065.0	1689.4	890.4
77.5°	4633.5	4893.3	6538.7	9682.0	12954.0	13148.8	8846.6	1772.0	725.3	570.1
80°	1511.1	1737.8	2606.2	4929.6	8417.4	8381.1	3791.6	695.6	496.4	403.9
82.5°	641.6	668.1	1164.4	2327.8	4319.8	4252.7	1207.4	399.5	348.9	276.3
85°	250.9	280.7	514.0	1076.4	1871.0	1830.3	435.8	198.1	223.4	180.5
87.5°	82.5	100.2	183.8	368.7	582.2	561.3	106.8	68.2	96.9	82.5
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2713.0	0°	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0
2720.7	2.5°	2736.1	2753.7	2774.6	2805.4	2831.8	2853.9	2877.0	2891.3	2896.8	2913.3
2725.1	5°	2755.9	2794.4	2846.1	2896.8	2946.3	2976.0	3002.4	3015.6	3027.7	3036.6
2737.2	7.5°	2788.9	2838.4	2919.9	2985.9	3027.7	3052.0	3069.6	3065.2	3069.6	3071.8
2750.4	10°	2817.5	2886.9	2983.7	3046.5	3078.4	3079.5	3075.1	3059.7	3052.0	3053.1
2770.2	12.5°	2851.6	2928.7	3033.2	3086.1	3094.9	3070.7	3052.0	3025.5	3015.6	3011.2
2799.9	15°	2897.9	2985.9	3087.2	3107.0	3085.0	3054.2	3022.2	2979.3	2957.3	2939.7
2850.5	17.5°	2954.0	3050.9	3129.0	3114.7	3067.4	3016.7	2965.0	2900.1	2855.0	2836.2
2919.9	20°	3032.1	3119.1	3160.9	3098.2	3026.6	2949.6	2861.6	2782.3	2740.5	2721.8
3007.9	22.5°	3126.8	3210.4	3191.7	3069.6	2968.3	2845.0	2735.0	2676.7	2655.7	2642.5
3121.3	25°	3240.2	3311.7	3213.7	3027.7	2872.6	2706.4	2621.6	2602.9	2593.0	2583.1
3260.0	27.5°	3387.6	3426.2	3230.3	2966.1	2722.9	2558.9	2528.1	2531.4	2528.1	2511.6
3452.6	30°	3582.4	3574.7	3245.7	2866.0	2551.2	2425.7	2427.9	2442.2	2444.4	2433.4
3721.1	32.5°	3838.9	3760.7	3253.4	2736.1	2387.2	2309.1	2311.3	2326.7	2337.7	2319.0
4072.2	35°	4149.3	3977.6	3241.3	2573.2	2260.6	2197.9	2181.4	2185.8	2189.1	2171.5
4498.1	37.5°	4511.4	4220.8	3187.3	2392.7	2156.1	2088.9	2053.7	2024.0	2006.4	1989.9
4980.2	40°	4908.7	4486.0	3088.3	2216.6	2039.4	1973.4	1920.5	1864.4	1805.0	1783.0
5490.9	42.5°	5324.7	4759.0	2968.3	2048.2	1905.1	1851.2	1795.1	1713.6	1624.5	1579.4
6021.4	45°	5756.1	5038.5	2850.5	1882.0	1767.6	1744.4	1679.5	1581.6	1484.7	1427.5
6553.0	47.5°	6178.8	5302.7	2677.8	1714.7	1638.8	1664.1	1613.5	1523.2	1415.4	1325.1
7080.1	50°	6582.7	5550.3	2394.9	1545.2	1534.2	1639.9	1591.5	1461.6	1338.3	1222.8
7597.4	52.5°	6983.3	5750.6	2032.8	1391.2	1478.1	1633.3	1562.8	1419.8	1269.0	1147.9
8083.9	55°	7323.4	5854.1	1683.9	1259.1	1396.7	1577.2	1528.7	1370.2	1171.0	1042.3
8417.4	57.5°	7517.1	5770.4	1393.4	1129.2	1284.4	1484.7	1470.4	1264.6	1054.4	955.3
8482.3	60°	7433.4	5431.5	1155.6	1015.9	1177.6	1384.6	1369.1	1160.0	965.2	871.7
8134.5	62.5°	6972.3	4785.4	967.4	916.8	1080.8	1282.2	1267.9	1079.7	897.0	806.7
7211.1	65°	6043.4	3892.8	821.0	834.3	982.8	1158.9	1179.8	1012.6	843.1	755.0
5578.9	67.5°	4609.3	2819.7	706.6	762.7	887.1	1037.9	1098.4	964.1	797.9	714.3
3228.1	70°	2627.1	1601.4	609.7	693.4	802.3	925.6	1035.7	925.6	749.5	680.2
1209.6	72.5°	996.0	735.2	527.2	624.0	720.9	831.0	966.3	865.1	693.4	641.6
625.1	75°	531.6	447.9	443.5	542.6	627.3	738.5	879.4	805.6	651.6	678.0
432.5	77.5°	362.1	317.0	370.9	464.5	525.0	636.1	786.9	715.4	564.6	562.4
299.4	80°	250.9	224.5	301.6	374.2	406.1	534.9	686.8	614.1	460.1	429.2
184.9	82.5°	150.8	146.4	225.6	279.6	287.3	412.7	569.0	515.1	376.4	328.0
110.1	85°	82.5	86.9	144.2	164.0	167.3	288.4	445.7	398.4	289.5	243.2
39.6	87.5°	23.1	29.7	52.8	64.9	80.3	149.7	265.2	236.6	145.3	101.3
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°
2713.0
2912.2
3038.8
3075.1
3055.3
3009.0
2945.2
2837.3
2719.6
2644.7
2583.1
2514.9
2438.9
2327.8
2183.6
2000.9
1792.9
1584.9
1423.1
1315.2
1212.9
1134.7
1031.3
942.1
858.5
792.4
740.7
701.1
671.4
632.8
700.0
518.4
410.5
330.2
245.4
101.3
0.0

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