

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: P848166

Luminaire Tested: **GLAN-SB4C-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24624 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

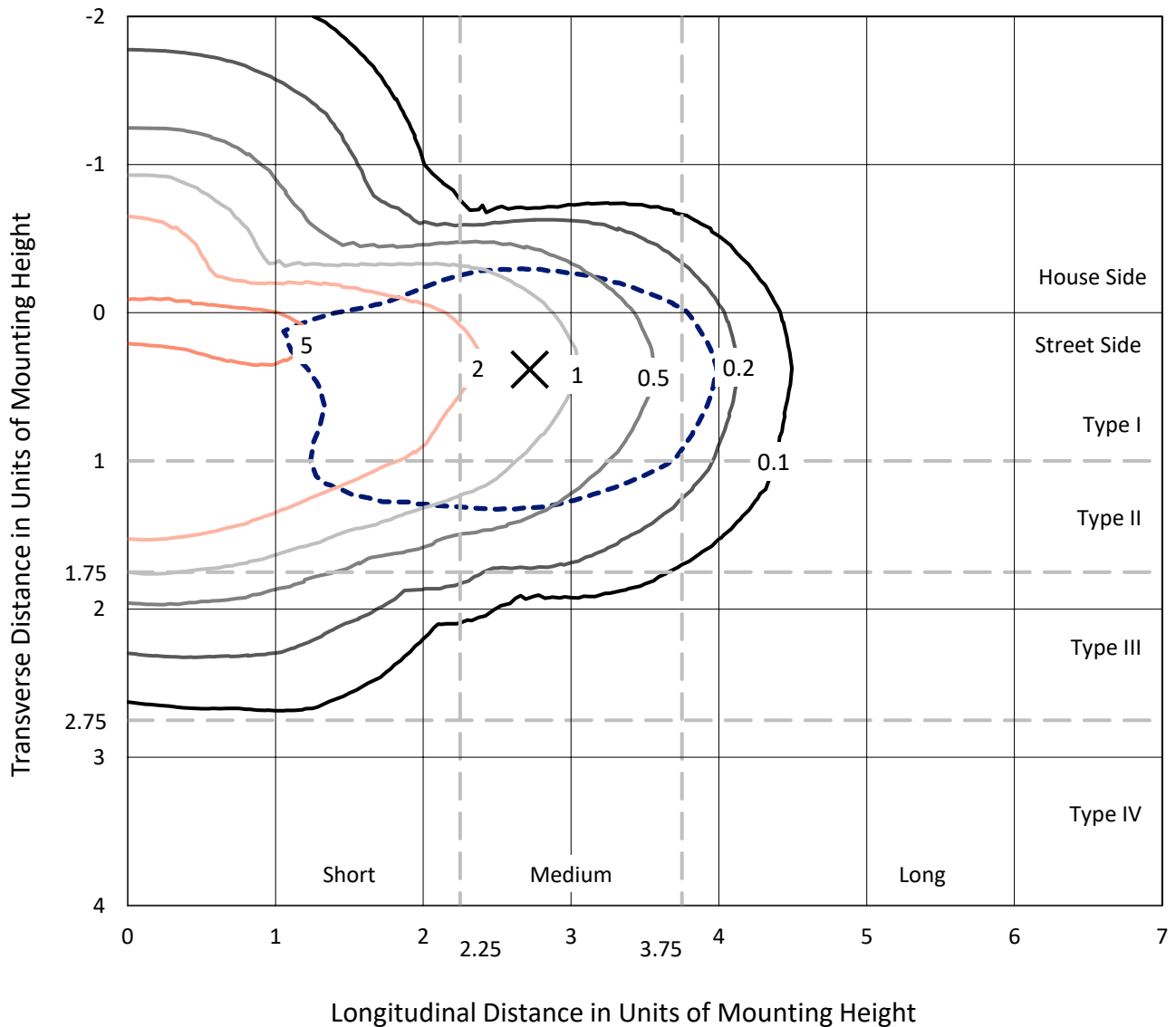
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

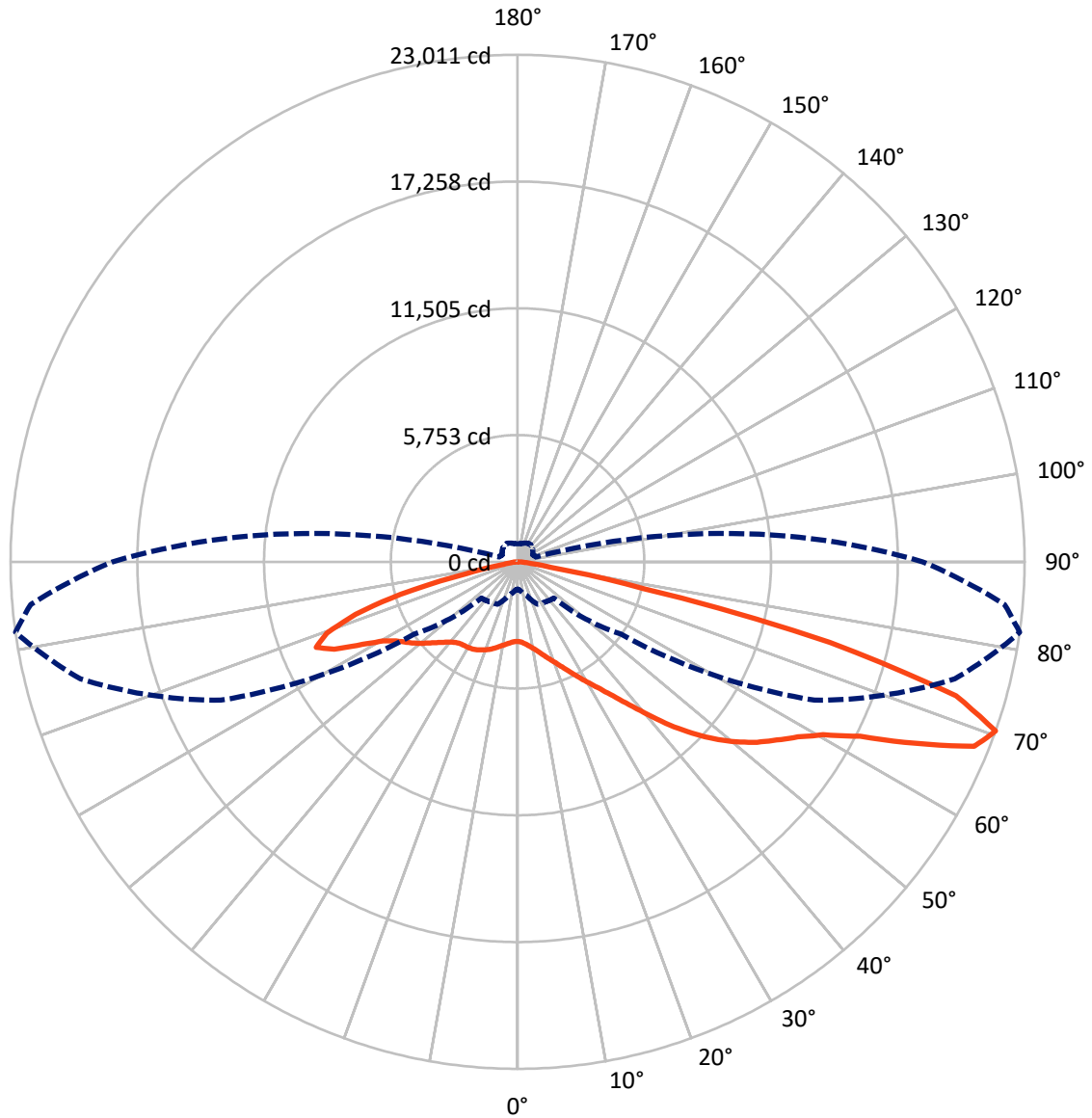
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6070.4	0.0	6070.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18553.6	0.0	18553.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	24624.0	0.0	24624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.9	1.4
10°-20°	979.3	4.0
20°-30°	1638.3	6.7
30°-40°	2559.5	10.4
40°-50°	4076.3	16.6
50°-60°	5672.6	23.0
60°-70°	5933.8	24.1
70°-80°	3101.3	12.6
80°-90°	322.0	1.3
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°	24624.0	100.0
0°-180°	24624.0	100.0

Coefficient of Utilization



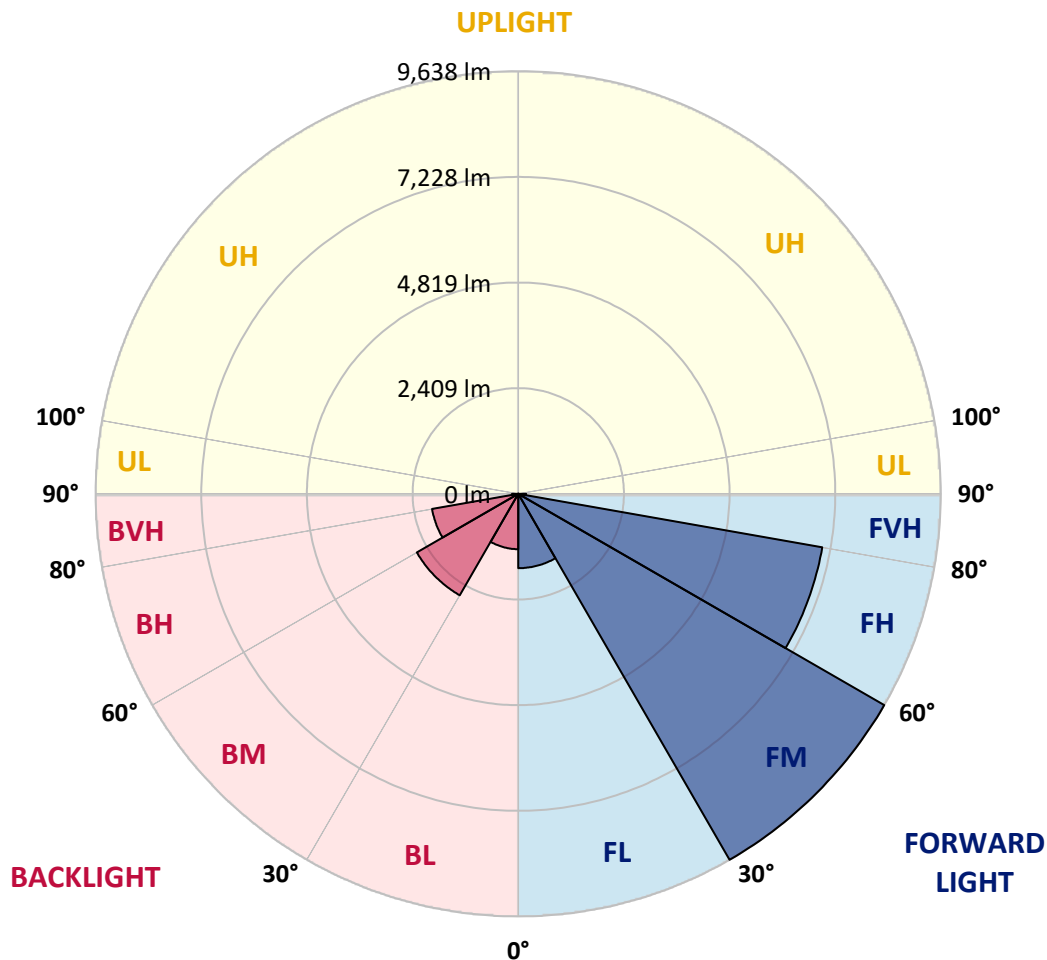
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1695.6	6.9			
FM (30°-60°)	9637.6	39.1			
FH (60°-80°)	7040.1	28.6			G3/7500
FVH (80°-90°)	180.3	0.7			G2/225
BL (0°-30°)	1262.9	5.1	B3/2500		
BM (30°-60°)	2670.7	10.8	B3/5000		
BH (60°-80°)	1995.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	141.8	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2
2.5°	3696.4	3717.3	3710.8	3704.3	3704.3	3695.1	3693.8	3680.7	3670.3	3653.3
5°	3743.5	3765.7	3763.1	3768.3	3785.3	3789.2	3793.1	3785.3	3764.4	3743.5
7.5°	3701.6	3726.5	3734.3	3765.7	3817.9	3865.0	3900.3	3914.6	3895.0	3865.0
10°	3560.5	3588.0	3615.4	3689.9	3782.7	3893.7	3987.8	4044.0	4040.1	4011.3
12.5°	3274.4	3303.1	3361.9	3507.0	3676.8	3872.8	4047.9	4165.5	4206.0	4185.1
15°	3045.7	3070.6	3115.0	3263.9	3484.8	3782.7	4070.1	4298.8	4402.0	4390.2
17.5°	3039.2	3049.6	3077.1	3147.6	3317.5	3641.5	4046.6	4429.4	4626.7	4625.4
20°	3154.2	3158.1	3173.8	3188.1	3284.8	3534.4	3986.5	4537.9	4878.9	4878.9
22.5°	3313.6	3311.0	3326.7	3313.6	3360.6	3525.3	3948.6	4633.3	5159.8	5180.7
25°	3552.7	3539.6	3535.7	3505.7	3514.8	3610.2	3990.4	4741.7	5493.0	5536.1
27.5°	3871.5	3850.6	3836.2	3767.0	3743.5	3785.3	4118.5	4872.4	5864.1	5938.6
30°	4287.0	4249.1	4228.2	4108.0	4023.1	4029.6	4311.8	5046.2	6252.2	6372.4
32.5°	4854.1	4795.3	4739.1	4541.8	4386.3	4335.4	4561.4	5286.6	6672.9	6865.0
35°	5489.1	5442.1	5382.0	5077.5	4838.4	4720.8	4898.5	5622.4	7165.5	7469.9
37.5°	6100.6	6060.1	6088.8	5678.6	5370.2	5199.0	5340.1	6073.2	7773.1	8222.5
40°	6733.0	6701.6	6705.6	6313.6	5954.3	5762.2	5875.9	6638.9	8469.5	9117.6
42.5°	7420.3	7396.8	7318.4	6970.8	6567.1	6388.1	6492.6	7292.2	9216.9	10136.7
45°	8189.9	8175.5	8102.3	7703.8	7241.3	7040.1	7181.2	8013.5	9968.2	11095.8
47.5°	8855.0	8866.7	8857.6	8521.8	8042.2	7746.9	7915.5	8766.1	10667.2	11997.4
50°	9175.1	9236.5	9326.6	9222.1	8924.2	8623.7	8656.3	9492.6	11333.6	12842.8
52.5°	9007.8	9124.1	9369.8	9537.0	9652.0	9589.3	9501.7	10213.8	11960.8	13605.8
55°	8384.6	8547.9	8955.6	9359.3	9946.0	10402.0	10517.0	11013.5	12572.3	14277.4
57.5°	7249.1	7514.4	7880.2	8696.9	9684.7	10795.3	11700.8	12122.8	13220.4	14994.8
60°	5302.3	5657.7	6112.4	7327.5	8770.0	10584.9	12708.2	13826.6	14141.5	15923.8
62.5°	3393.3	3612.8	4030.9	5175.5	6833.6	9507.0	13016.5	15956.4	15702.9	17447.3
65°	2323.2	2464.3	2847.1	3490.0	4417.7	7076.6	12190.7	17553.1	18182.9	19861.9
67.5°	1688.2	1795.3	2121.9	2685.1	2878.5	4187.7	9459.9	17479.9	20593.6	22349.7
70°	1230.8	1306.6	1581.0	2121.9	2214.7	2329.7	5730.8	14858.9	20541.3	23010.9
72.5°	912.0	964.3	1148.5	1646.3	1792.7	1573.2	2836.7	10799.2	17651.1	20813.1
75°	659.8	699.0	834.9	1259.6	1434.7	1198.2	1415.1	6311.0	12312.3	14640.7
77.5°	504.4	534.4	623.3	922.5	1148.5	899.0	878.0	2903.3	5838.0	5866.7
80°	405.1	424.7	473.0	649.4	880.7	672.9	572.3	1172.0	1844.9	1561.4
82.5°	297.9	330.6	399.8	456.0	629.8	463.8	348.9	591.9	701.7	603.7
85°	169.9	192.1	241.7	326.7	402.4	283.5	199.9	262.6	326.7	267.9
87.5°	60.1	78.4	84.9	128.0	175.1	117.6	77.1	75.8	107.1	79.7
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°
3610.2	0°	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2	3610.2
3649.4	2.5°	3636.3	3629.8	3603.7	3568.4	3531.8	3496.5	3484.8	3459.9	3442.9	3433.8
3734.3	5°	3709.5	3688.6	3627.2	3548.8	3466.5	3377.6	3314.9	3257.4	3215.6	3176.4
3850.6	7.5°	3814.0	3777.4	3671.6	3534.4	3388.1	3240.4	3130.7	3047.0	2990.8	2954.3
3986.5	10°	3935.5	3879.3	3717.3	3512.2	3286.1	3074.5	2945.1	2873.3	2838.0	2818.4
4142.0	12.5°	4075.3	3995.6	3764.4	3461.2	3130.7	2888.9	2800.1	2779.2	2780.5	2781.8
4338.0	15°	4247.8	4136.8	3802.3	3350.2	2928.1	2746.5	2730.8	2764.8	2800.1	2817.1
4560.1	17.5°	4442.5	4285.7	3808.8	3167.2	2729.5	2655.0	2704.7	2777.9	2831.4	2855.0
4808.4	20°	4651.6	4437.3	3761.8	2908.5	2566.2	2580.6	2669.4	2763.5	2822.3	2852.3
5091.9	22.5°	4890.7	4599.3	3649.4	2636.8	2432.9	2499.6	2604.1	2695.6	2757.0	2787.0
5425.1	25°	5163.8	4780.9	3473.0	2408.1	2317.9	2408.1	2512.6	2588.4	2638.1	2665.5
5797.5	27.5°	5466.9	4970.4	3237.8	2226.5	2217.3	2314.0	2400.3	2459.1	2485.2	2506.1
6193.4	30°	5771.3	5142.8	2953.0	2089.3	2129.8	2221.3	2282.7	2308.8	2316.6	2320.6
6635.0	32.5°	6100.6	5291.8	2653.7	1975.6	2046.2	2131.1	2167.7	2179.4	2142.9	2118.0
7170.7	35°	6499.1	5451.2	2361.1	1885.5	1963.8	2037.0	2048.8	2038.3	1995.2	1944.2
7842.3	37.5°	6991.7	5649.8	2127.2	1821.4	1886.8	1935.1	1920.7	1918.1	1922.0	1861.9
8649.8	40°	7595.4	5908.5	1956.0	1771.8	1824.0	1834.5	1794.0	1816.2	1835.8	1744.3
9535.7	42.5°	8265.7	6220.8	1847.6	1737.8	1771.8	1746.9	1684.2	1709.1	1706.4	1586.2
10425.5	45°	8949.0	6560.5	1809.7	1713.0	1723.4	1673.8	1604.5	1611.1	1556.2	1447.7
11278.7	47.5°	9628.5	6925.1	1833.2	1692.1	1663.3	1607.1	1553.6	1524.8	1443.8	1362.8
12096.7	50°	10294.8	7307.9	1919.4	1650.3	1581.0	1548.3	1509.1	1458.2	1371.9	1302.7
12870.2	52.5°	10912.9	7693.4	2016.1	1581.0	1477.8	1497.4	1472.6	1413.8	1328.8	1258.3
13601.9	55°	11498.2	8078.8	2054.0	1485.6	1381.1	1453.0	1438.6	1330.1	1228.2	1170.7
14367.6	57.5°	12135.9	8542.7	2012.2	1364.1	1302.7	1402.0	1347.1	1226.9	1168.1	1125.0
15364.5	60°	13019.1	9270.5	1922.0	1213.8	1228.2	1326.2	1232.1	1182.5	1118.5	1070.1
16859.3	62.5°	14486.5	10628.0	1777.0	1064.9	1140.7	1213.8	1177.3	1127.6	1062.3	1015.2
19415.0	65°	16655.5	12514.8	1503.9	948.6	1042.7	1104.1	1118.5	1068.8	1000.9	951.2
21654.6	67.5°	18484.7	13698.6	1138.1	851.9	942.1	1015.2	1055.7	1007.4	935.5	887.2
22178.5	70°	18384.1	12838.8	868.9	756.5	853.2	927.7	980.0	942.1	865.0	819.2
20145.4	72.5°	16328.8	10740.4	703.0	659.8	763.1	836.2	899.0	870.2	791.8	747.4
14758.3	75°	11996.1	7624.1	561.8	561.8	650.7	740.9	810.1	791.8	719.9	688.6
6196.0	77.5°	5056.6	3198.6	440.3	466.5	540.9	636.3	722.6	729.1	666.4	705.6
1638.5	80°	1344.5	882.0	335.8	367.2	424.7	525.3	628.5	625.9	557.9	521.3
608.9	82.5°	512.2	347.6	239.1	258.7	307.1	402.4	497.8	513.5	445.6	385.5
239.1	85°	197.3	149.0	147.6	155.5	179.0	266.6	376.3	389.4	335.8	284.8
66.6	87.5°	51.0	44.4	54.9	52.3	82.3	142.4	215.6	223.4	205.1	118.9
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°
3610.2
3444.2
3192.1
2962.1
2823.6
2784.4
2815.8
2860.2
2860.2
2794.9
2673.3
2513.9
2329.7
2125.9
1946.9
1865.9
1746.9
1584.9
1451.7
1362.8
1297.5
1259.6
1165.5
1121.1
1067.5
1015.2
953.8
888.5
823.2
747.4
679.4
640.2
484.8
385.5
294.0
169.9
0.0

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