

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: P847936

Luminaire Tested: **GLAN-SB4B-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847936
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-SB4B-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21943 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

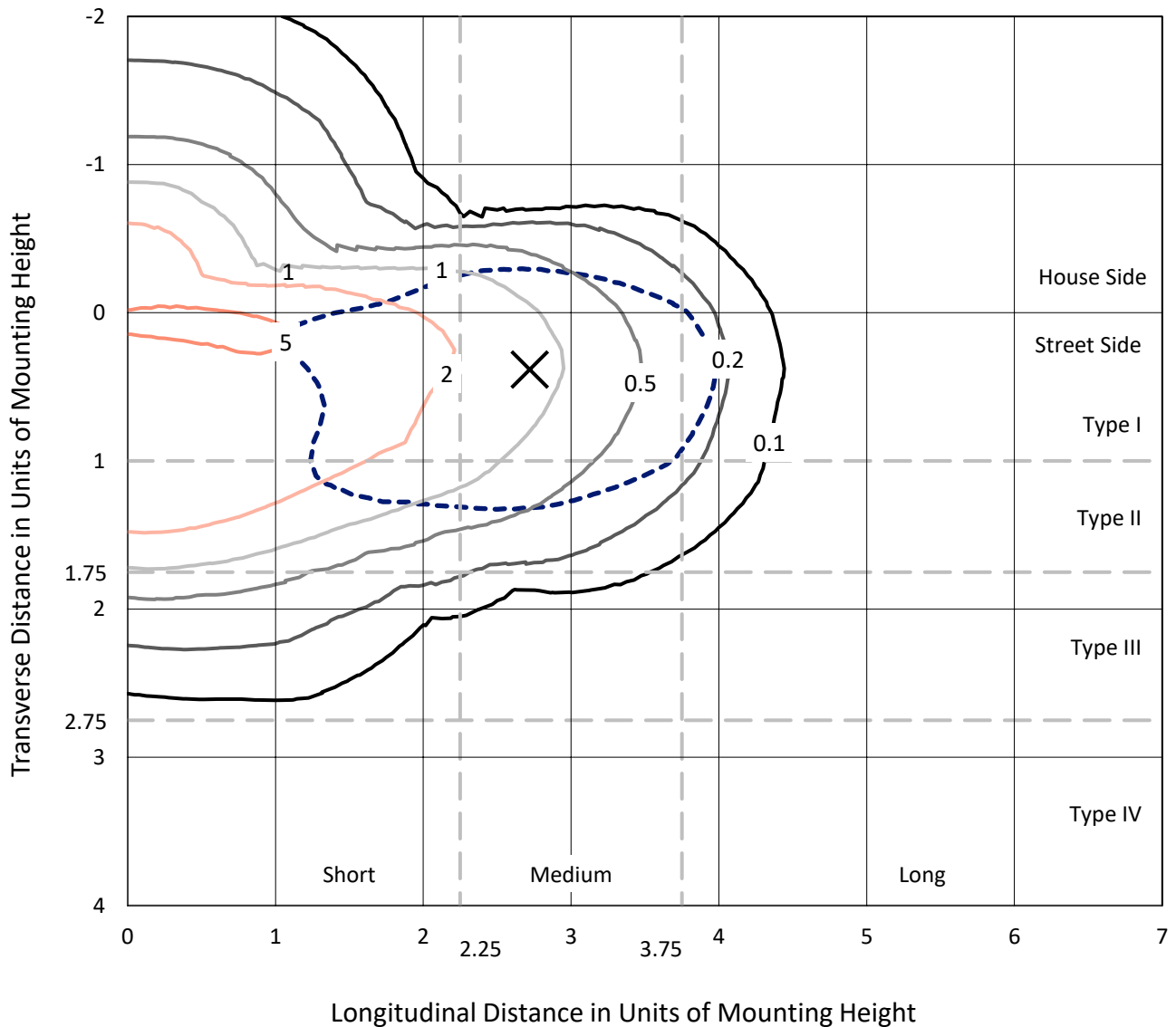
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

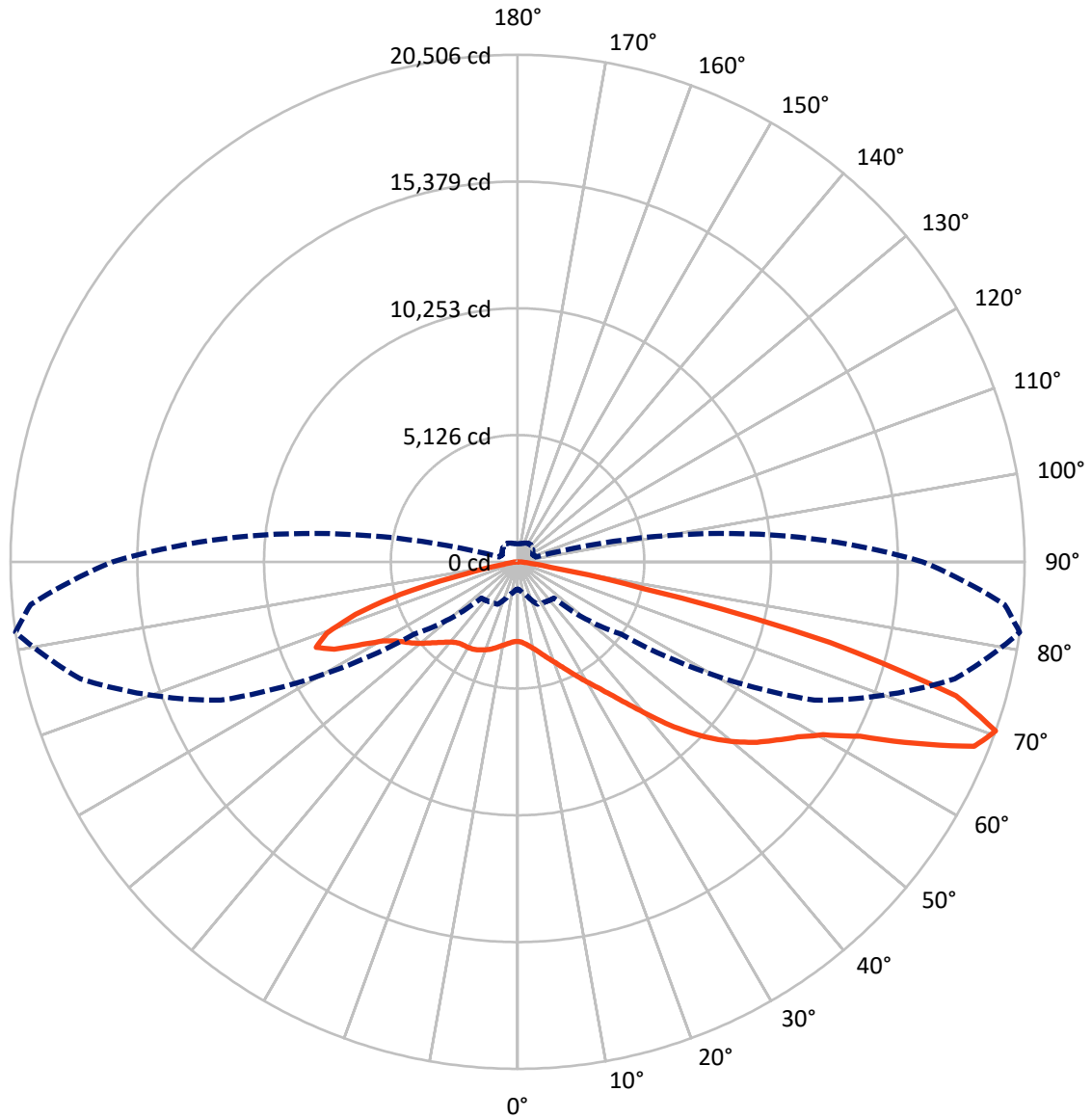
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	5409.5	0.0	5409.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16533.5	0.0	16533.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	21943.0	0.0	21943.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.8	1.4
10°-20°	872.7	4.0
20°-30°	1459.9	6.7
30°-40°	2280.8	10.4
40°-50°	3632.4	16.6
50°-60°	5055.0	23.0
60°-70°	5287.7	24.1
70°-80°	2763.7	12.6
80°-90°	287.0	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°	21943.0	100.0
0°-180°	21943.0	100.0

Coefficient of Utilization

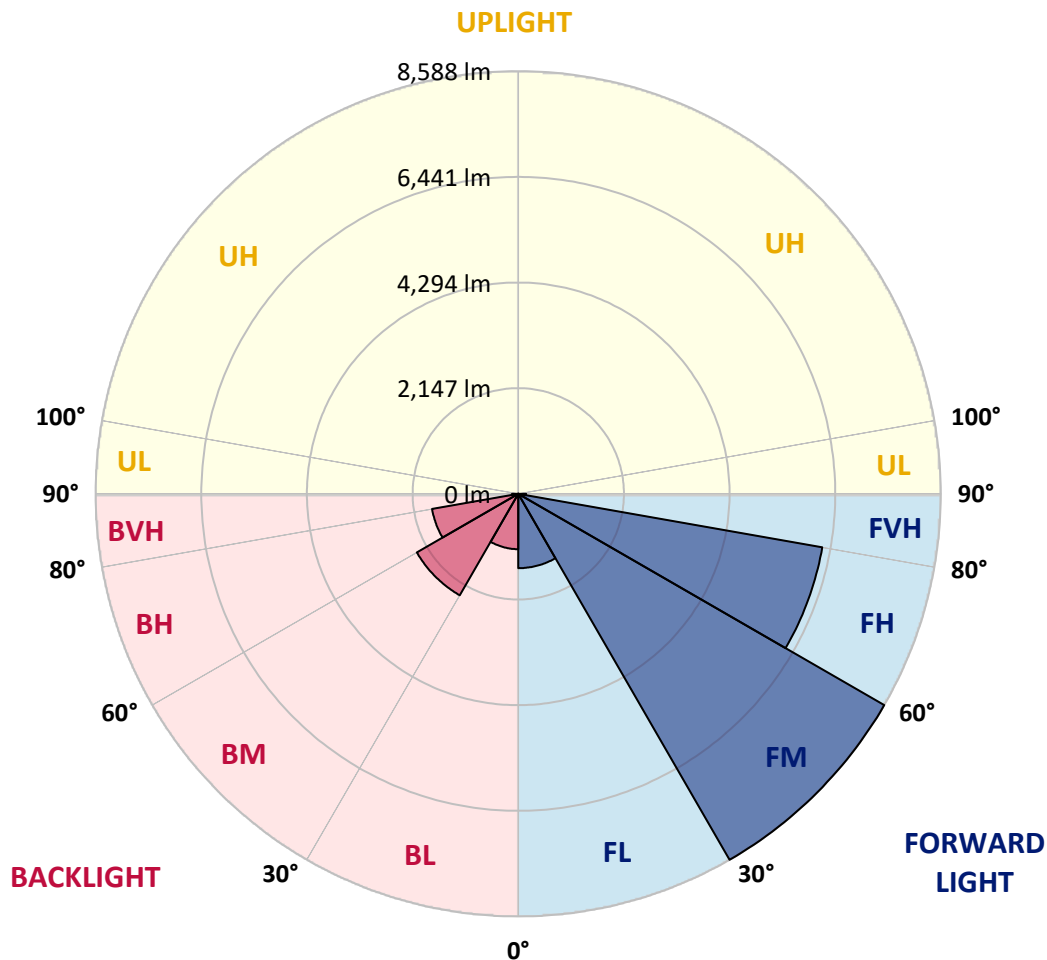


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1511.0	6.9			
FM (30°-60°)	8588.3	39.1			
FH (60°-80°)	6273.6	28.6			G3/7500
FVH (80°-90°)	160.7	0.7			G2/225
BL (0°-30°)	1125.4	5.1	B3/2500		
BM (30°-60°)	2380.0	10.8	B2/2500		
BH (60°-80°)	1777.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	126.3	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°	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1
2.5°	3294.0	3312.6	3306.8	3301.0	3301.0	3292.8	3291.6	3280.0	3270.7	3255.5
5°	3335.9	3355.7	3353.3	3358.0	3373.1	3376.6	3380.1	3373.1	3354.5	3335.9
7.5°	3298.6	3320.7	3327.7	3355.7	3402.3	3444.2	3475.6	3488.4	3470.9	3444.2
10°	3172.9	3197.3	3221.8	3288.1	3370.8	3469.8	3553.6	3603.7	3600.2	3574.6
12.5°	2917.9	2943.5	2995.9	3125.1	3276.5	3451.2	3607.2	3712.0	3748.1	3729.4
15°	2714.1	2736.2	2775.8	2908.6	3105.3	3370.8	3627.0	3830.7	3922.7	3912.2
17.5°	2708.3	2717.6	2742.1	2804.9	2956.3	3245.1	3606.0	3947.2	4123.0	4121.8
20°	2810.8	2814.3	2828.2	2841.0	2927.2	3149.6	3552.5	4043.8	4347.7	4347.7
22.5°	2952.8	2950.5	2964.5	2952.8	2994.7	3141.4	3518.7	4128.8	4598.0	4616.7
25°	3165.9	3154.2	3150.7	3124.0	3132.1	3217.1	3555.9	4225.5	4895.0	4933.4
27.5°	3450.0	3431.4	3418.6	3356.8	3335.9	3373.1	3670.1	4341.9	5225.6	5292.0
30°	3820.3	3786.5	3767.9	3660.7	3585.1	3590.9	3842.4	4496.7	5571.4	5678.6
32.5°	4325.6	4273.2	4223.1	4047.3	3908.7	3863.3	4064.8	4711.0	5946.4	6117.5
35°	4891.5	4849.5	4796.0	4524.7	4311.6	4206.8	4365.2	5010.2	6385.3	6656.6
37.5°	5436.4	5400.3	5425.9	5060.3	4785.5	4633.0	4758.7	5411.9	6926.8	7327.3
40°	5999.9	5972.0	5975.5	5626.2	5306.0	5134.8	5236.1	5916.1	7547.4	8124.9
42.5°	6612.4	6591.4	6521.6	6211.8	5852.1	5692.5	5785.7	6498.3	8213.4	9033.1
45°	7298.2	7285.4	7220.2	6865.0	6452.9	6273.6	6399.3	7141.0	8882.9	9887.7
47.5°	7890.8	7901.3	7893.2	7593.9	7166.6	6903.5	7053.7	7811.7	9505.8	10691.1
50°	8176.1	8230.8	8311.2	8218.0	7952.6	7684.8	7713.9	8459.1	10099.6	11444.5
52.5°	8027.1	8130.7	8349.6	8498.6	8601.1	8545.2	8467.2	9101.8	10658.5	12124.4
55°	7471.7	7617.2	7980.5	8340.3	8863.1	9269.4	9371.9	9814.4	11203.4	12722.9
57.5°	6459.9	6696.2	7022.2	7750.0	8630.2	9619.9	10426.8	10802.9	11781.0	13362.2
60°	4725.0	5041.7	5446.9	6529.7	7815.2	9432.5	11324.5	12321.2	12601.8	14190.0
62.5°	3023.8	3219.4	3592.0	4612.0	6089.6	8471.9	11599.3	14219.1	13993.2	15547.7
65°	2070.2	2196.0	2537.1	3110.0	3936.7	6306.2	10863.5	15642.0	16203.2	17699.4
67.5°	1504.3	1599.8	1890.9	2392.8	2565.1	3731.8	8429.9	15576.8	18351.4	19916.3
70°	1096.8	1164.4	1408.9	1890.9	1973.6	2076.0	5106.9	13241.1	18304.9	20505.5
72.5°	812.7	859.3	1023.5	1467.1	1597.5	1401.9	2527.8	9623.4	15729.3	18547.0
75°	588.0	622.9	744.0	1122.4	1278.5	1067.7	1261.0	5623.8	10971.7	13046.6
77.5°	449.4	476.2	555.4	822.0	1023.5	801.1	782.4	2587.2	5202.3	5228.0
80°	361.0	378.4	421.5	578.7	784.8	599.6	510.0	1044.4	1644.1	1391.4
82.5°	265.5	294.6	356.3	406.4	561.2	413.3	310.9	527.5	625.3	537.9
85°	151.4	171.2	215.4	291.1	358.6	252.7	178.1	234.0	291.1	238.7
87.5°	53.6	69.9	75.7	114.1	156.0	104.8	68.7	67.5	95.5	71.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3217.1	0°	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1	3217.1
3252.0	2.5°	3240.4	3234.6	3211.3	3179.9	3147.3	3115.8	3105.3	3083.2	3068.1	3059.9
3327.7	5°	3305.6	3287.0	3232.3	3162.4	3089.0	3009.9	2954.0	2902.7	2865.5	2830.6
3431.4	7.5°	3398.8	3366.2	3271.8	3149.6	3019.2	2887.6	2789.8	2715.3	2665.2	2632.6
3552.5	10°	3507.0	3457.0	3312.6	3129.8	2928.4	2739.7	2624.5	2560.4	2529.0	2511.5
3691.0	12.5°	3631.6	3560.6	3354.5	3084.4	2789.8	2574.4	2495.2	2476.6	2477.8	2478.9
3865.7	15°	3785.3	3686.4	3388.3	2985.4	2609.3	2447.5	2433.5	2463.8	2495.2	2510.4
4063.6	17.5°	3958.8	3819.1	3394.1	2822.4	2432.3	2366.0	2410.2	2475.4	2523.2	2544.1
4284.8	20°	4145.1	3954.2	3352.2	2591.9	2286.8	2299.6	2378.8	2462.6	2515.0	2541.8
4537.5	22.5°	4358.2	4098.5	3252.0	2349.7	2168.0	2227.4	2320.6	2402.1	2456.8	2483.6
4834.4	25°	4601.5	4260.4	3094.9	2145.9	2065.6	2145.9	2239.1	2306.6	2350.8	2375.3
5166.3	27.5°	4871.7	4429.2	2885.3	1984.1	1975.9	2062.1	2138.9	2191.3	2214.6	2233.2
5519.1	30°	5143.0	4582.9	2631.4	1861.8	1897.9	1979.4	2034.1	2057.4	2064.4	2067.9
5912.6	32.5°	5436.4	4715.6	2364.8	1760.5	1823.4	1899.1	1931.7	1942.1	1909.5	1887.4
6390.0	35°	5791.5	4857.7	2104.0	1680.2	1750.0	1815.2	1825.7	1816.4	1778.0	1732.6
6988.5	37.5°	6230.5	5034.7	1895.6	1623.1	1681.3	1724.4	1711.6	1709.3	1712.8	1659.2
7708.0	40°	6768.4	5265.2	1743.0	1578.9	1625.4	1634.8	1598.7	1618.5	1635.9	1554.4
8497.5	42.5°	7365.7	5543.5	1646.4	1548.6	1578.9	1556.7	1500.9	1523.0	1520.7	1413.5
9290.4	45°	7974.7	5846.2	1612.6	1526.5	1535.8	1491.5	1429.8	1435.7	1386.7	1290.1
10050.7	47.5°	8580.1	6171.1	1633.6	1507.8	1482.2	1432.2	1384.4	1358.8	1286.6	1214.4
10779.6	50°	9174.0	6512.2	1710.4	1470.6	1408.9	1379.8	1344.8	1299.4	1222.6	1160.9
11468.9	52.5°	9724.7	6855.7	1796.6	1408.9	1316.9	1334.4	1312.2	1259.8	1184.2	1121.3
12121.0	55°	10246.3	7199.2	1830.4	1323.9	1230.7	1294.8	1282.0	1185.3	1094.5	1043.3
12803.3	57.5°	10814.5	7612.6	1793.1	1215.6	1160.9	1249.4	1200.5	1093.3	1040.9	1002.5
13691.7	60°	11601.7	8261.1	1712.8	1081.7	1094.5	1181.8	1098.0	1053.7	996.7	953.6
15023.7	62.5°	12909.2	9470.9	1583.5	949.0	1016.5	1081.7	1049.1	1004.8	946.6	904.7
17301.2	65°	14842.1	11152.2	1340.2	845.3	929.2	983.9	996.7	952.4	891.9	847.7
19296.9	67.5°	16472.2	12207.1	1014.2	759.2	839.5	904.7	940.8	897.7	833.7	790.6
19763.8	70°	16382.5	11441.0	774.3	674.2	760.3	826.7	873.3	839.5	770.8	730.1
17952.1	72.5°	14551.0	9571.0	626.4	588.0	680.0	745.2	801.1	775.5	705.6	666.0
13151.4	75°	10690.0	6794.0	500.7	500.7	579.8	660.2	721.9	705.6	641.6	613.6
5521.4	77.5°	4506.1	2850.3	392.4	415.7	482.0	567.0	643.9	649.7	593.8	628.8
1460.1	80°	1198.1	785.9	299.2	327.2	378.4	468.1	560.1	557.7	497.2	464.6
542.6	82.5°	456.4	309.7	213.1	230.5	273.6	358.6	443.6	457.6	397.0	343.5
213.1	85°	175.8	132.7	131.6	138.6	159.5	237.5	335.3	347.0	299.2	253.8
59.4	87.5°	45.4	39.6	48.9	46.6	73.4	126.9	192.1	199.1	182.8	106.0
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°
3217.1
3069.2
2844.5
2639.6
2516.2
2481.2
2509.2
2548.8
2548.8
2490.6
2382.3
2240.2
2076.0
1894.4
1734.9
1662.7
1556.7
1412.4
1293.6
1214.4
1156.2
1122.4
1038.6
999.0
951.3
904.7
850.0
791.8
733.5
666.0
605.5
570.5
432.0
343.5
262.0
151.4
0.0

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