

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: P848436

Luminaire Tested: **GLAN-SB5A-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848436
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-SB5A-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21688 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

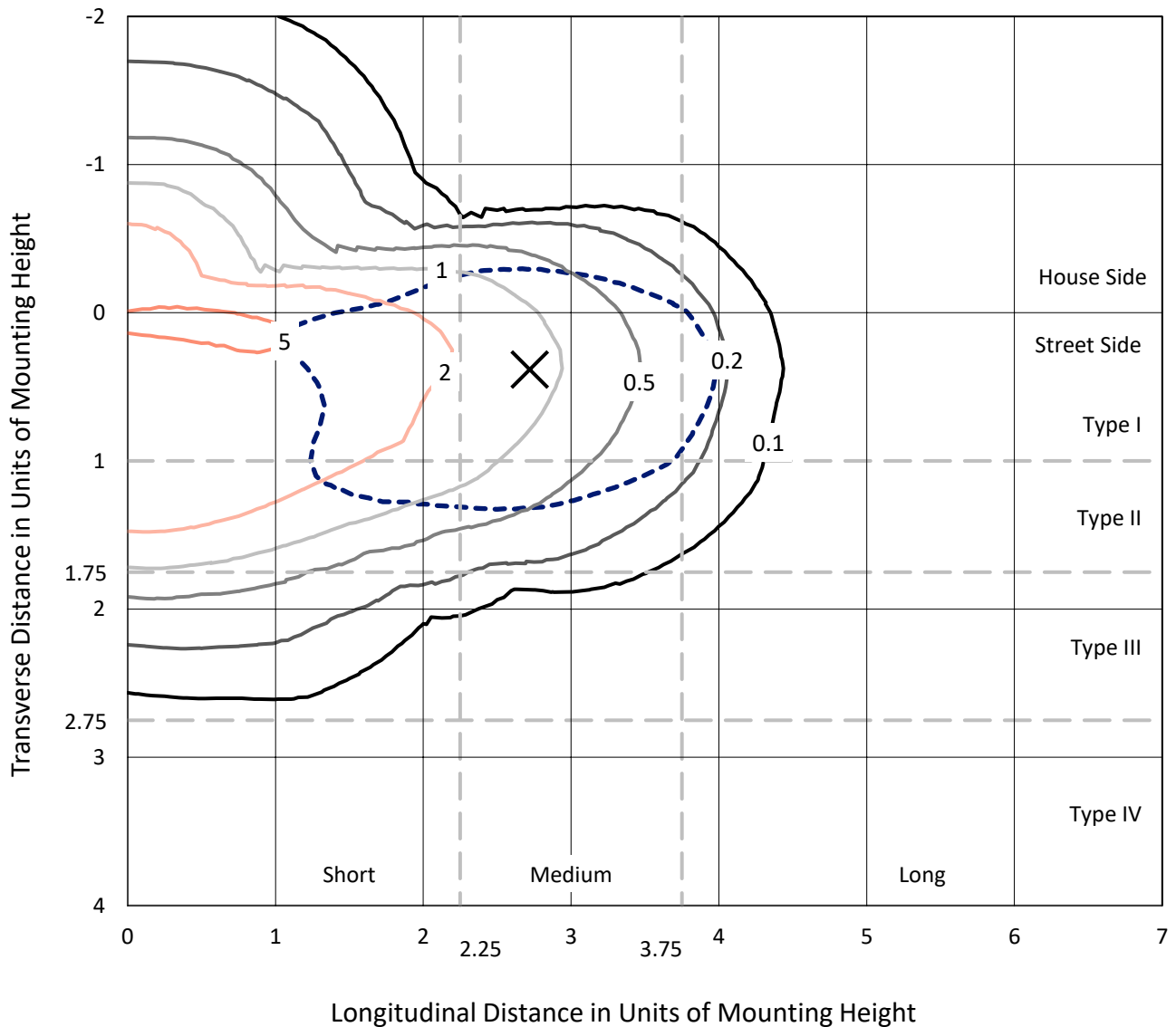
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

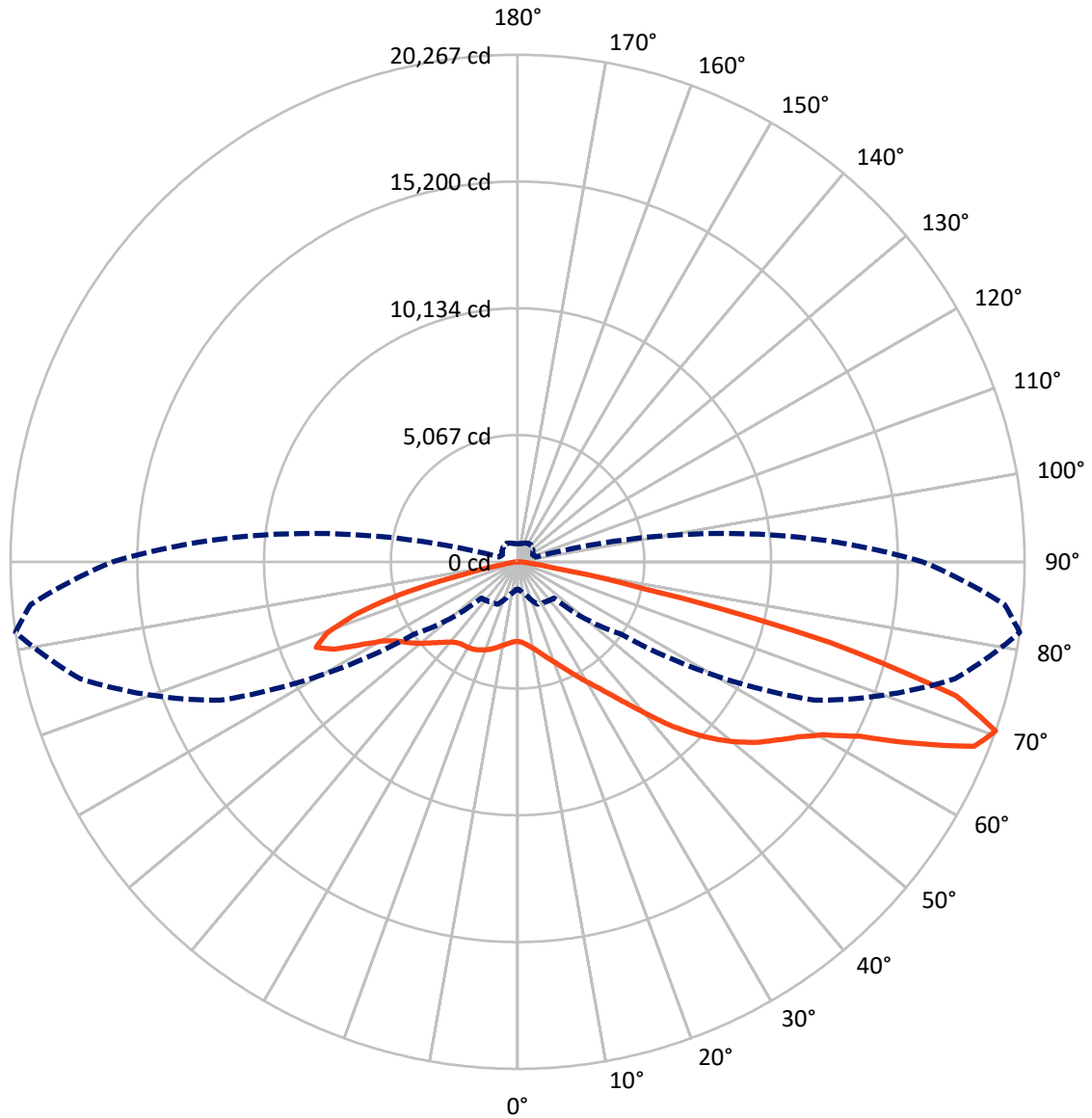
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	5346.6	0.0	5346.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16341.4	0.0	16341.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	21688.0	0.0	21688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.2	1.4
10°-20°	862.6	4.0
20°-30°	1443.0	6.7
30°-40°	2254.3	10.4
40°-50°	3590.2	16.6
50°-60°	4996.2	23.0
60°-70°	5226.3	24.1
70°-80°	2731.5	12.6
80°-90°	283.6	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°	21688.0	100.0
0°-180°	21688.0	100.0

Coefficient of Utilization

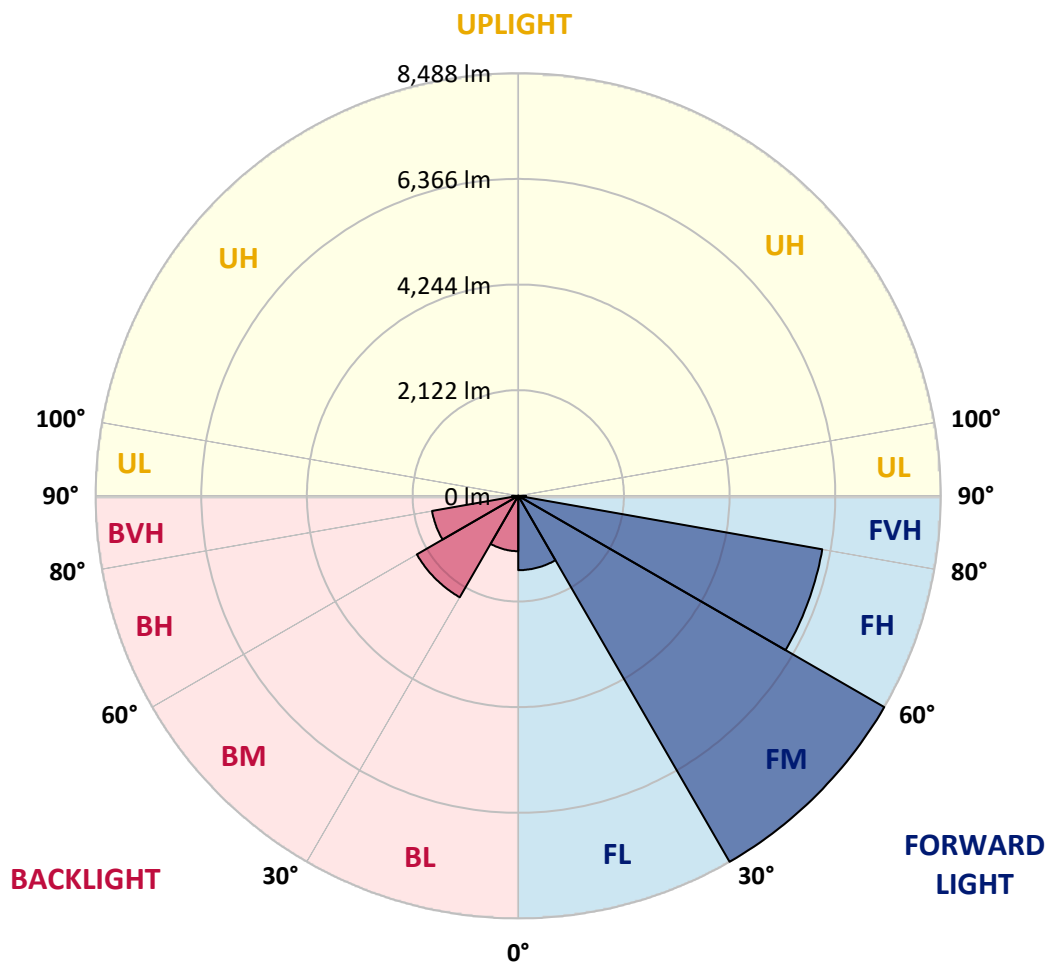


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1493.5	6.9			
FM (30°-60°)	8488.5	39.1			
FH (60°-80°)	6200.7	28.6			G3/7500
FVH (80°-90°)	158.8	0.7			G2/225
BL (0°-30°)	1112.3	5.1	B3/2500		
BM (30°-60°)	2352.3	10.8	B2/2500		
BH (60°-80°)	1757.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	124.9	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°	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7
2.5°	3255.7	3274.1	3268.3	3262.6	3262.6	3254.5	3253.4	3241.9	3232.7	3217.7
5°	3297.1	3316.7	3314.4	3319.0	3333.9	3337.4	3340.8	3333.9	3315.5	3297.1
7.5°	3260.3	3282.2	3289.1	3316.7	3362.7	3404.1	3435.2	3447.9	3430.6	3404.1
10°	3136.0	3160.2	3184.3	3249.9	3331.6	3429.5	3512.3	3561.8	3558.4	3533.0
12.5°	2884.0	2909.3	2961.1	3088.8	3238.4	3411.0	3565.3	3668.8	3704.5	3686.1
15°	2682.6	2704.4	2743.6	2874.8	3069.3	3331.6	3584.8	3786.2	3877.1	3866.8
17.5°	2676.8	2686.0	2710.2	2772.3	2921.9	3207.4	3564.1	3901.3	4075.1	4073.9
20°	2778.1	2781.5	2795.4	2808.0	2893.2	3113.0	3511.2	3996.8	4297.2	4297.2
22.5°	2918.5	2916.2	2930.0	2918.5	2959.9	3104.9	3477.8	4080.8	4544.6	4563.0
25°	3129.1	3117.6	3114.1	3087.7	3095.7	3179.7	3514.6	4176.3	4838.1	4876.0
27.5°	3409.9	3391.5	3378.8	3317.8	3297.1	3333.9	3627.4	4291.4	5164.9	5230.5
30°	3775.9	3742.5	3724.1	3618.2	3543.4	3549.1	3797.7	4444.5	5506.7	5612.6
32.5°	4275.3	4223.5	4174.0	4000.3	3863.3	3818.4	4017.5	4656.2	5877.3	6046.4
35°	4834.6	4793.2	4740.3	4472.1	4261.5	4157.9	4314.4	4952.0	6311.1	6579.3
37.5°	5373.2	5337.5	5362.8	5001.5	4729.9	4579.1	4703.4	5349.0	6846.3	7242.1
40°	5930.2	5902.6	5906.0	5560.8	5244.3	5075.1	5175.3	5847.3	7459.7	8030.5
42.5°	6535.5	6514.8	6445.8	6139.7	5784.1	5626.4	5718.5	6422.8	8117.9	8928.1
45°	7213.4	7200.7	7136.3	6785.3	6377.9	6200.7	6324.9	7058.0	8779.7	9772.8
47.5°	7799.1	7809.5	7801.4	7505.7	7083.3	6823.2	6971.7	7720.9	9395.3	10566.9
50°	8081.1	8135.2	8214.6	8122.5	7860.1	7595.5	7624.2	8360.8	9982.3	11311.5
52.5°	7933.8	8036.2	8252.6	8399.9	8501.2	8445.9	8368.8	8996.0	10534.7	11983.6
55°	7384.8	7528.7	7887.8	8243.4	8760.1	9161.7	9263.0	9700.3	11073.2	12575.1
57.5°	6384.8	6618.4	6940.6	7659.9	8529.9	9508.1	10305.6	10677.4	11644.1	13206.9
60°	4670.1	4983.1	5383.6	6453.8	7724.3	9322.8	11192.9	12178.0	12455.4	14025.1
62.5°	2988.7	3182.0	3550.3	4558.4	6018.8	8373.4	11464.5	14053.9	13830.6	15367.0
65°	2046.2	2170.5	2507.6	3073.9	3890.9	6232.9	10737.2	15460.2	16014.9	17493.7
67.5°	1486.9	1581.2	1868.9	2364.9	2535.3	3688.4	8332.0	15395.7	18138.2	19684.9
70°	1084.1	1150.8	1392.5	1868.9	1950.6	2051.9	5047.5	13087.2	18092.1	20267.2
72.5°	803.3	849.3	1011.6	1450.0	1578.9	1385.6	2498.4	9511.6	15546.5	18331.5
75°	581.2	615.7	735.4	1109.4	1263.6	1055.3	1246.3	5558.5	10844.2	12895.0
77.5°	444.2	470.7	548.9	812.5	1011.6	791.8	773.4	2557.1	5141.9	5167.2
80°	356.8	374.0	416.6	572.0	775.7	592.7	504.1	1032.3	1625.0	1375.2
82.5°	262.4	291.2	352.2	401.6	554.7	408.5	307.3	521.3	618.0	531.7
85°	149.6	169.2	212.9	287.7	354.5	249.7	176.1	231.3	287.7	235.9
87.5°	52.9	69.0	74.8	112.8	154.2	103.6	67.9	66.7	94.4	70.2
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°
3179.7	0°	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7	3179.7
3214.3	2.5°	3202.7	3197.0	3174.0	3142.9	3110.7	3079.6	3069.3	3047.4	3032.4	3024.4
3289.1	5°	3267.2	3248.8	3194.7	3125.6	3053.1	2974.9	2919.6	2869.0	2832.2	2797.7
3391.5	7.5°	3359.3	3327.0	3233.8	3113.0	2984.1	2854.0	2757.4	2683.7	2634.2	2602.0
3511.2	10°	3466.3	3416.8	3274.1	3093.4	2894.3	2707.9	2594.0	2530.7	2499.6	2482.3
3648.1	12.5°	3589.4	3519.2	3315.5	3048.5	2757.4	2544.5	2466.2	2447.8	2449.0	2450.1
3820.7	15°	3741.3	3643.5	3348.9	2950.7	2579.0	2419.0	2405.2	2435.1	2466.2	2481.2
4016.4	17.5°	3912.8	3774.7	3354.7	2789.6	2404.1	2338.5	2382.2	2446.7	2493.8	2514.6
4235.0	20°	4096.9	3908.2	3313.2	2561.7	2260.2	2272.9	2351.1	2434.0	2485.8	2512.3
4484.8	22.5°	4307.5	4050.9	3214.3	2322.4	2142.8	2201.5	2293.6	2374.2	2428.2	2454.7
4778.2	25°	4548.1	4210.9	3058.9	2121.0	2041.6	2121.0	2213.0	2279.8	2323.5	2347.7
5106.2	27.5°	4815.1	4377.7	2851.7	1961.0	1953.0	2038.1	2114.1	2165.9	2188.9	2207.3
5454.9	30°	5083.2	4529.7	2600.9	1840.2	1875.8	1956.4	2010.5	2033.5	2040.4	2043.9
5843.9	32.5°	5373.2	4660.8	2337.3	1740.0	1802.2	1877.0	1909.2	1919.6	1887.4	1865.5
6315.7	35°	5724.2	4801.2	2079.5	1660.6	1729.7	1794.1	1804.5	1795.3	1757.3	1712.4
6907.3	37.5°	6158.1	4976.2	1873.5	1604.3	1661.8	1704.4	1691.7	1689.4	1692.9	1639.9
7618.5	40°	6689.8	5204.0	1722.8	1560.5	1606.6	1615.8	1580.1	1599.6	1616.9	1536.4
8398.7	42.5°	7280.1	5479.1	1627.3	1530.6	1560.5	1538.7	1483.4	1505.3	1503.0	1397.1
9182.4	45°	7882.0	5778.3	1593.9	1508.7	1517.9	1474.2	1413.2	1419.0	1370.6	1275.1
9933.9	47.5°	8480.4	6099.4	1614.6	1490.3	1465.0	1415.5	1368.3	1343.0	1271.7	1200.3
10654.3	50°	9067.4	6436.6	1690.6	1453.5	1392.5	1363.7	1329.2	1284.3	1208.4	1147.4
11335.6	52.5°	9611.7	6776.1	1775.7	1392.5	1301.6	1318.8	1297.0	1245.2	1170.4	1108.2
11980.1	55°	10127.3	7115.6	1809.1	1308.5	1216.4	1279.7	1267.1	1171.5	1081.8	1031.1
12654.5	57.5°	10688.9	7524.1	1772.3	1201.5	1147.4	1234.8	1186.5	1080.6	1028.8	990.9
13532.6	60°	11466.8	8165.1	1692.9	1069.1	1081.8	1168.1	1085.2	1041.5	985.1	942.5
14849.1	62.5°	12759.2	9360.8	1565.1	937.9	1004.7	1069.1	1036.9	993.2	935.6	894.2
17100.1	65°	14669.6	11022.6	1324.6	835.5	918.4	972.4	985.1	941.4	881.5	837.8
19072.6	67.5°	16280.7	12065.3	1002.4	750.3	829.7	894.2	929.9	887.3	824.0	781.4
19534.1	70°	16192.1	11308.0	765.3	666.3	751.5	817.1	863.1	829.7	761.8	721.6
17743.4	72.5°	14381.9	9459.8	619.1	581.2	672.1	736.5	791.8	766.5	697.4	658.3
12998.6	75°	10565.7	6715.1	494.9	494.9	573.1	652.5	713.5	697.4	634.1	606.5
5457.2	77.5°	4453.7	2817.2	387.8	410.8	476.4	560.5	636.4	642.2	586.9	621.4
1443.1	80°	1184.2	776.8	295.8	323.4	374.0	462.6	553.5	551.2	491.4	459.2
536.3	82.5°	451.1	306.1	210.6	227.9	270.4	354.5	438.5	452.3	392.4	339.5
210.6	85°	173.8	131.2	130.0	136.9	157.7	234.8	331.4	342.9	295.8	250.9
58.7	87.5°	44.9	39.1	48.3	46.0	72.5	125.4	189.9	196.8	180.7	104.7
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°
3179.7
3033.6
2811.5
2608.9
2486.9
2452.4
2480.0
2519.2
2519.2
2461.6
2354.6
2214.2
2051.9
1872.4
1714.7
1643.4
1538.7
1396.0
1278.6
1200.3
1142.8
1109.4
1026.5
987.4
940.2
894.2
840.1
782.6
725.0
658.3
598.4
563.9
427.0
339.5
258.9
149.6
0.0

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