

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: P850656

Luminaire Tested: **GLAN-SB8B-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850656
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-SB8B-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 44273 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

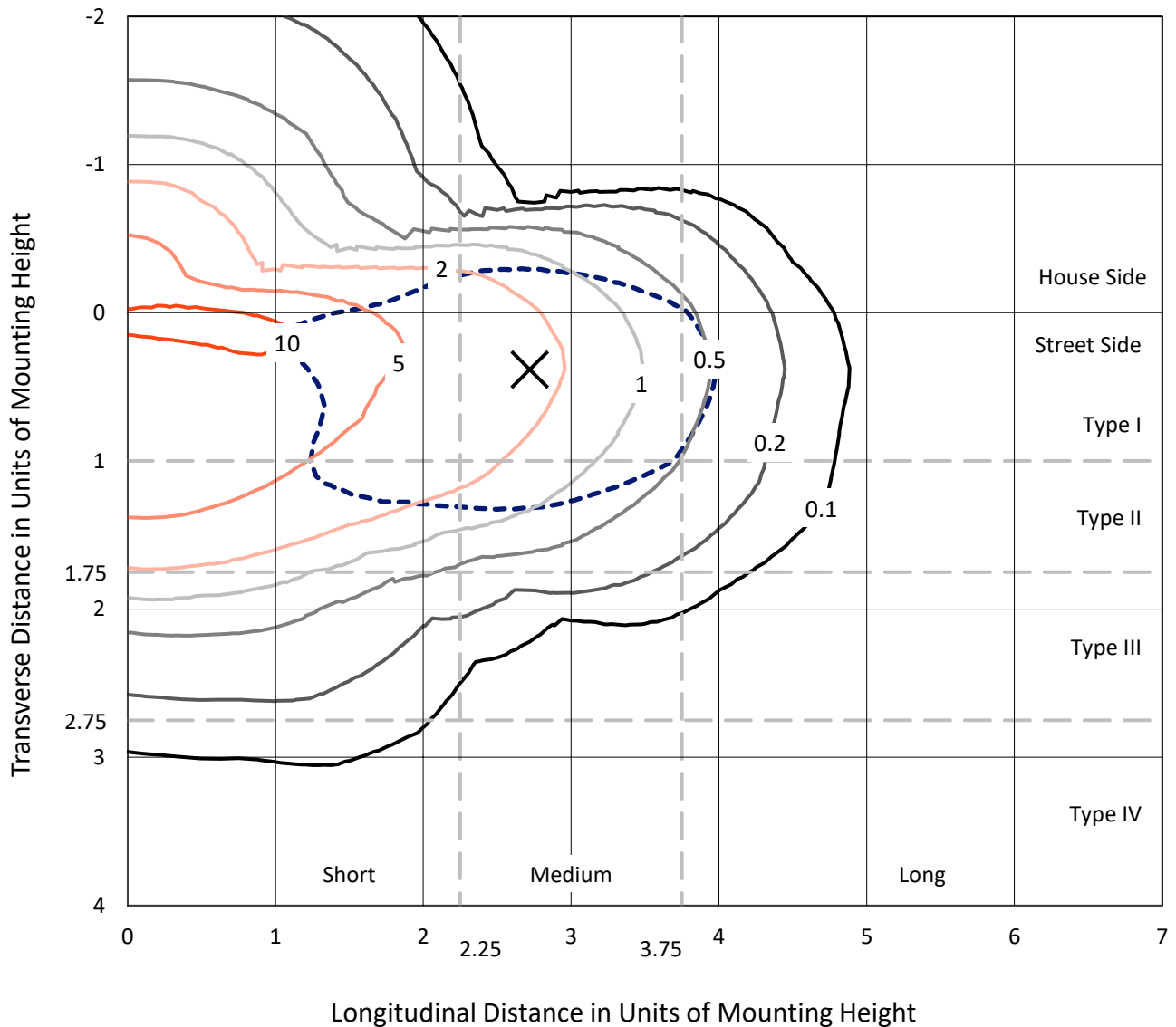
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

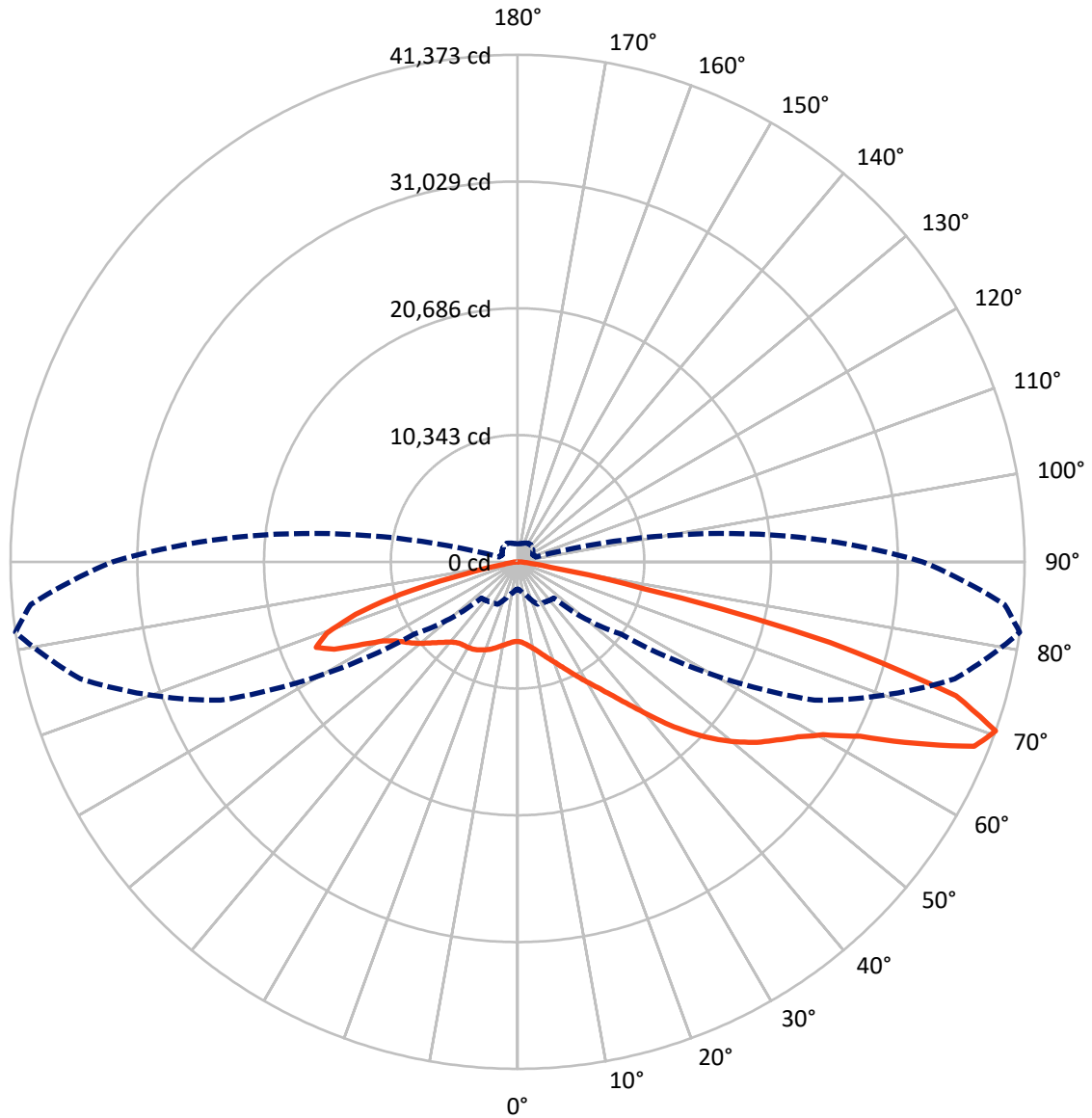
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	10914.4	0.0	10914.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	33358.6	0.0	33358.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	44273.0	0.0	44273.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.9	1.4
10°-20°	1760.8	4.0
20°-30°	2945.6	6.7
30°-40°	4601.8	10.4
40°-50°	7328.9	16.6
50°-60°	10199.1	23.0
60°-70°	10668.7	24.1
70°-80°	5576.1	12.6
80°-90°	579.0	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°	44273.0	100.0
0°-180°	44273.0	100.0

Coefficient of Utilization

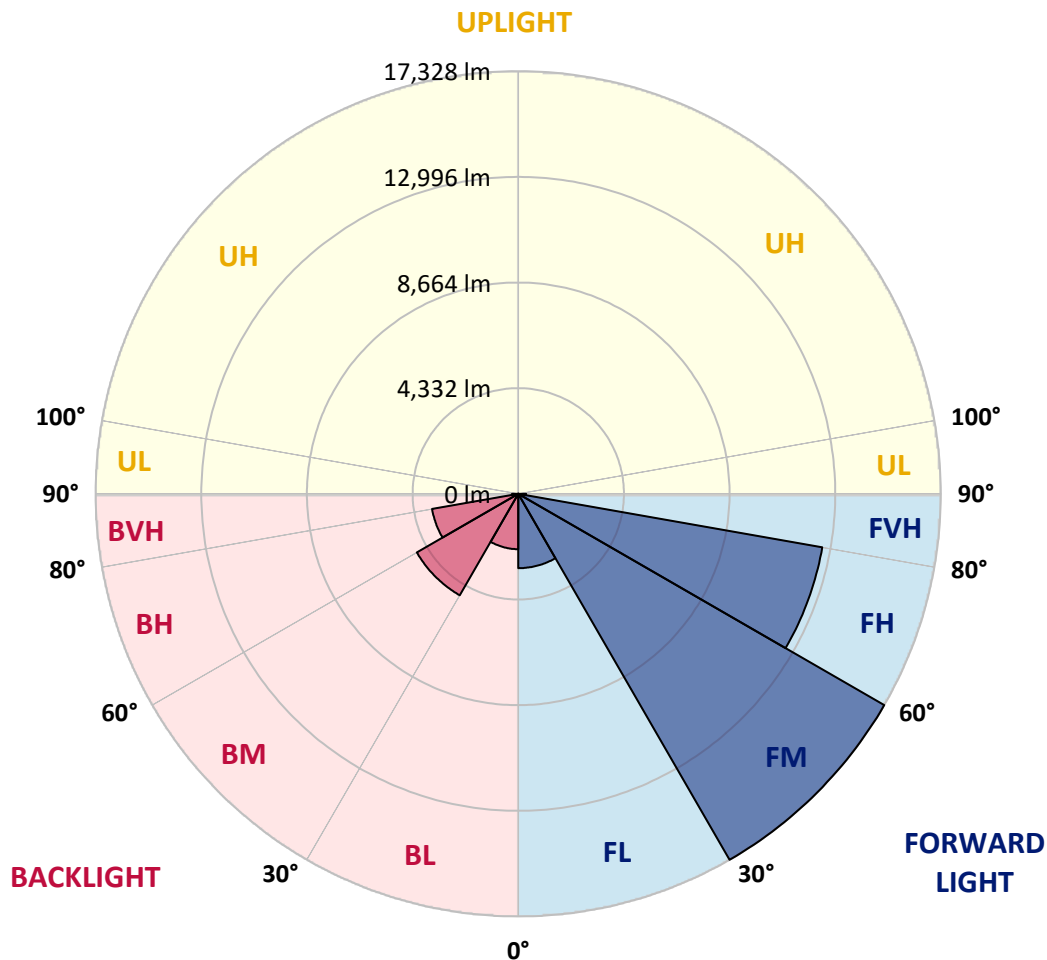


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3048.7	6.9			
FM (30°-60°)	17328.0	39.1			
FH (60°-80°)	12657.8	28.6			G5
FVH (80°-90°)	324.1	0.7			G3/500
BL (0°-30°)	2270.6	5.1	B3/2500		
BM (30°-60°)	4801.9	10.8	B3/5000		
BH (60°-80°)	3587.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	254.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0
2.5°	6646.0	6683.6	6671.9	6660.1	6660.1	6643.7	6641.3	6617.8	6599.0	6568.5
5°	6730.6	6770.5	6765.8	6775.2	6805.8	6812.8	6819.9	6805.8	6768.2	6730.6
7.5°	6655.4	6700.1	6714.2	6770.5	6864.5	6949.1	7012.5	7038.4	7003.1	6949.1
10°	6401.7	6451.0	6500.4	6634.3	6801.1	7000.8	7169.9	7270.9	7263.9	7212.2
12.5°	5887.2	5938.9	6044.6	6305.4	6610.8	6963.2	7278.0	7489.4	7562.2	7524.6
15°	5476.1	5520.7	5600.6	5868.4	6265.4	6801.1	7317.9	7729.0	7914.6	7893.5
17.5°	5464.4	5483.1	5532.5	5659.3	5964.7	6547.4	7275.6	7964.0	8318.7	8316.3
20°	5671.1	5678.1	5706.3	5732.2	5906.0	6354.7	7167.6	8158.9	8772.1	8772.1
22.5°	5957.7	5953.0	5981.2	5957.7	6042.3	6338.3	7099.4	8330.4	9277.2	9314.8
25°	6387.6	6364.1	6357.1	6303.0	6319.5	6491.0	7174.6	8525.4	9876.2	9953.8
27.5°	6960.8	6923.2	6897.4	6772.9	6730.6	6805.8	7404.8	8760.4	10543.4	10677.3
30°	7707.9	7639.8	7602.2	7386.0	7233.3	7245.1	7752.5	9072.8	11241.2	11457.3
32.5°	8727.5	8621.7	8520.7	8166.0	7886.4	7794.8	8201.2	9505.1	11997.6	12343.0
35°	9869.2	9784.6	9676.6	9129.2	8699.3	8487.8	8807.3	10108.8	12883.3	13430.7
37.5°	10968.6	10895.8	10947.5	10209.8	9655.4	9347.7	9601.4	10919.3	13975.7	14783.8
40°	12105.7	12049.3	12056.3	11351.6	10705.5	10360.2	10564.6	11936.5	15227.8	16393.1
42.5°	13341.4	13299.1	13158.1	12533.2	11807.3	11485.5	11673.4	13111.2	16571.6	18225.5
45°	14725.1	14699.3	14567.7	13851.2	13019.5	12657.8	12911.5	14407.9	17922.4	19949.8
47.5°	15920.9	15942.0	15925.6	15321.8	14459.6	13928.7	14231.8	15761.1	19179.3	21570.8
50°	16496.4	16606.8	16768.9	16581.0	16045.4	15505.0	15563.8	17067.3	20377.4	23090.8
52.5°	16195.7	16404.8	16846.5	17147.2	17353.9	17241.1	17083.7	18364.1	21505.0	24462.7
55°	15075.1	15368.8	16101.8	16827.7	17882.5	18702.4	18909.1	19801.8	22604.5	25670.2
57.5°	13033.6	13510.5	14168.3	15636.6	17412.6	19409.5	21037.5	21796.3	23769.7	26960.0
60°	9533.3	10172.2	10989.8	13174.6	15768.2	19031.3	22848.8	24859.8	25425.9	28630.3
62.5°	6101.0	6495.7	7247.4	9305.4	12286.6	17093.1	23403.2	28689.0	28233.3	31369.5
65°	4177.0	4430.7	5119.0	6274.8	7942.8	12723.5	21918.5	31559.8	32692.2	35710.9
67.5°	3035.2	3227.9	3815.2	4827.7	5175.4	7529.3	17008.6	31428.3	37026.5	40183.9
70°	2213.0	2349.2	2842.6	3815.2	3982.0	4188.7	10303.8	26715.7	36932.5	41372.6
72.5°	1639.8	1733.7	2065.0	2960.1	3223.2	2828.5	5100.2	19416.5	31736.0	37421.2
75°	1186.4	1256.8	1501.2	2264.7	2579.5	2154.3	2544.2	11346.9	22137.0	26323.3
77.5°	906.8	960.8	1120.6	1658.6	2065.0	1616.3	1578.7	5220.0	10496.4	10548.1
80°	728.3	763.5	850.4	1167.6	1583.4	1209.9	1029.0	2107.3	3317.1	2807.4
82.5°	535.6	594.4	718.9	819.9	1132.3	834.0	627.2	1064.2	1261.5	1085.4
85°	305.4	345.3	434.6	587.3	723.6	509.8	359.4	472.2	587.3	481.6
87.5°	108.1	141.0	152.7	230.2	314.8	211.4	138.6	136.3	192.6	143.3
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°
6491.0	0°	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0	6491.0
6561.5	2.5°	6538.0	6526.2	6479.2	6415.8	6350.0	6286.6	6265.4	6220.8	6190.3	6173.8
6714.2	5°	6669.5	6631.9	6521.5	6380.6	6232.6	6072.8	5960.0	5856.7	5781.5	5711.0
6923.2	7.5°	6857.5	6791.7	6601.4	6354.7	6091.6	5826.1	5628.8	5478.4	5377.4	5311.7
7167.6	10°	7075.9	6974.9	6683.6	6314.8	5908.4	5527.8	5295.2	5166.0	5102.6	5067.3
7447.1	12.5°	7327.3	7184.0	6768.2	6223.2	5628.8	5194.2	5034.4	4996.9	4999.2	5001.6
7799.5	15°	7637.4	7437.7	6836.3	6023.5	5264.7	4938.1	4909.9	4971.0	5034.4	5065.0
8198.9	17.5°	7987.4	7705.5	6848.1	5694.6	4907.6	4773.7	4862.9	4994.5	5090.8	5133.1
8645.2	20°	8363.3	7978.1	6763.5	5229.4	4613.9	4639.8	4799.5	4968.7	5074.4	5128.4
9155.0	22.5°	8793.2	8269.4	6561.5	4740.8	4374.3	4494.1	4682.1	4846.5	4956.9	5010.9
9754.1	25°	9284.2	8595.9	6244.3	4329.7	4167.6	4329.7	4517.6	4653.9	4743.1	4792.5
10423.6	27.5°	9829.3	8936.5	5821.4	4003.1	3986.7	4160.5	4315.6	4421.3	4468.3	4505.9
11135.4	30°	10376.6	9246.6	5309.3	3756.4	3829.3	3993.7	4104.1	4151.1	4165.2	4172.3
11929.5	32.5°	10968.6	9514.5	4771.3	3552.1	3678.9	3831.6	3897.4	3918.5	3852.8	3808.1
12892.7	35°	11685.2	9801.1	4245.1	3390.0	3530.9	3662.5	3683.6	3664.8	3587.3	3495.7
14100.2	37.5°	12570.8	10158.2	3824.6	3274.9	3392.3	3479.2	3453.4	3448.7	3455.7	3347.7
15552.0	40°	13656.2	10623.3	3516.8	3185.6	3279.6	3298.3	3225.5	3265.5	3300.7	3136.2
17144.8	42.5°	14861.4	11184.8	3321.8	3124.5	3185.6	3140.9	3028.2	3072.8	3068.1	2852.0
18744.7	45°	16090.0	11795.6	3253.7	3079.9	3098.7	3009.4	2884.9	2896.6	2798.0	2603.0
20278.7	47.5°	17311.6	12451.0	3296.0	3042.3	2990.6	2889.6	2793.3	2741.6	2595.9	2450.3
21749.3	50°	18509.7	13139.4	3451.0	2967.1	2842.6	2783.9	2713.4	2621.8	2466.7	2342.2
23140.1	52.5°	19620.9	13832.4	3624.9	2842.6	2657.0	2692.2	2647.6	2541.9	2389.2	2262.3
24455.7	55°	20673.4	14525.4	3693.0	2671.1	2483.2	2612.4	2586.5	2391.5	2208.3	2104.9
25832.3	57.5°	21819.8	15359.4	3617.8	2452.6	2342.2	2520.7	2422.1	2205.9	2100.2	2022.7
27624.8	60°	23407.9	16667.9	3455.7	2182.5	2208.3	2384.5	2215.3	2126.1	2011.0	1924.0
30312.4	62.5°	26046.1	19108.8	3195.0	1914.6	2050.9	2182.5	2116.7	2027.4	1909.9	1825.4
34907.5	65°	29945.9	22501.1	2704.0	1705.6	1874.7	1985.1	2011.0	1921.7	1799.5	1710.3
38934.1	67.5°	33234.8	24629.5	2046.2	1531.7	1693.8	1825.4	1898.2	1811.3	1682.1	1595.1
39876.2	70°	33053.9	23083.7	1562.3	1360.2	1534.1	1668.0	1761.9	1693.8	1555.2	1473.0
36220.7	72.5°	29358.6	19310.8	1263.9	1186.4	1372.0	1503.5	1616.3	1564.6	1423.6	1343.8
26534.8	75°	21568.5	13707.9	1010.2	1010.2	1169.9	1332.0	1456.5	1423.6	1294.4	1238.1
11140.1	77.5°	9091.6	5751.0	791.7	838.7	972.6	1144.1	1299.1	1310.9	1198.1	1268.6
2946.0	80°	2417.4	1585.7	603.8	660.1	763.5	944.4	1130.0	1125.3	1003.1	937.4
1094.8	82.5°	920.9	624.9	429.9	465.2	552.1	723.6	895.1	923.3	801.1	693.0
429.9	85°	354.7	267.8	265.5	279.6	321.8	479.2	676.6	700.1	603.8	512.1
119.8	87.5°	91.6	79.9	98.7	94.0	148.0	256.1	387.6	401.7	368.8	213.8
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°
6491.0
6192.6
5739.2
5325.7
5076.7
5006.2
5062.6
5142.5
5142.5
5025.0
4806.6
4520.0
4188.7
3822.2
3500.4
3354.7
3140.9
2849.6
2610.0
2450.3
2332.8
2264.7
2095.5
2015.7
1919.3
1825.4
1715.0
1597.5
1480.0
1343.8
1221.6
1151.1
871.6
693.0
528.6
305.4
0.0

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