

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: P850926

Luminaire Tested: **GLAN-SB8C-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850926
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-SB8C-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40481 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

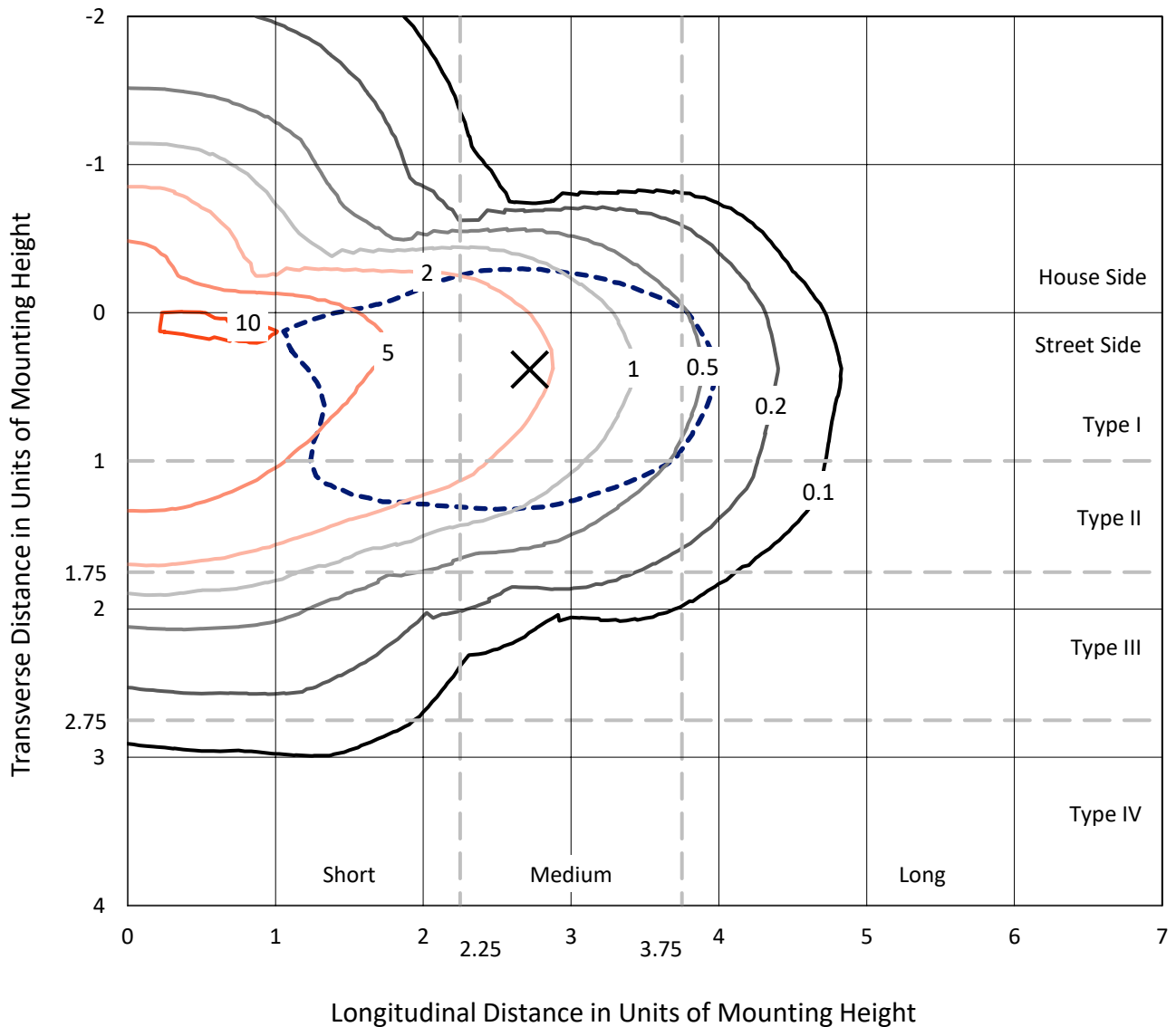
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

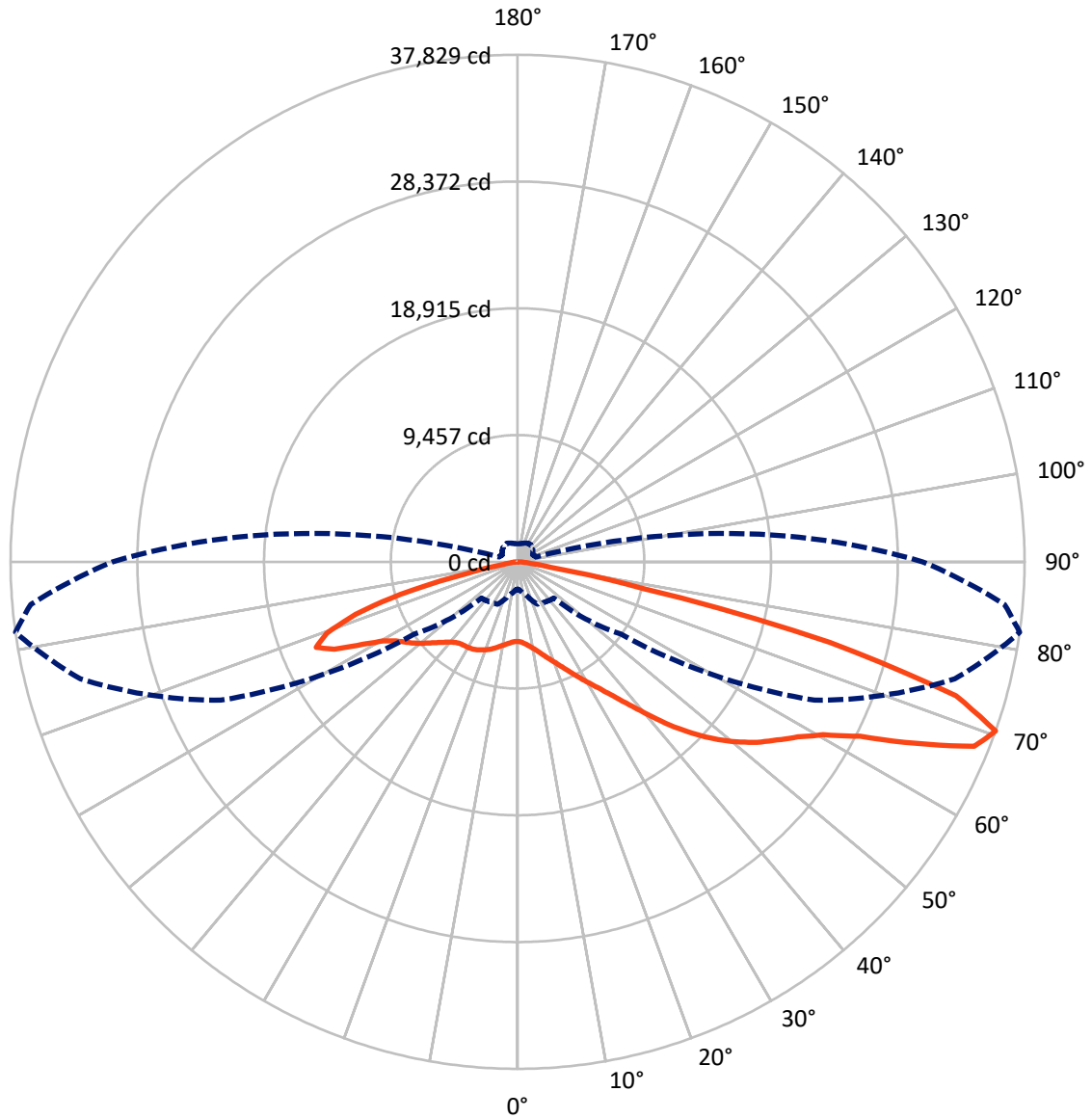
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	9979.6	0.0	9979.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	30501.4	0.0	30501.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	40481.0	0.0	40481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.4	1.4
10°-20°	1610.0	4.0
20°-30°	2693.3	6.7
30°-40°	4207.7	10.4
40°-50°	6701.2	16.6
50°-60°	9325.6	23.0
60°-70°	9755.0	24.1
70°-80°	5098.5	12.6
80°-90°	529.4	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°	40481.0	100.0
0°-180°	40481.0	100.0

Coefficient of Utilization



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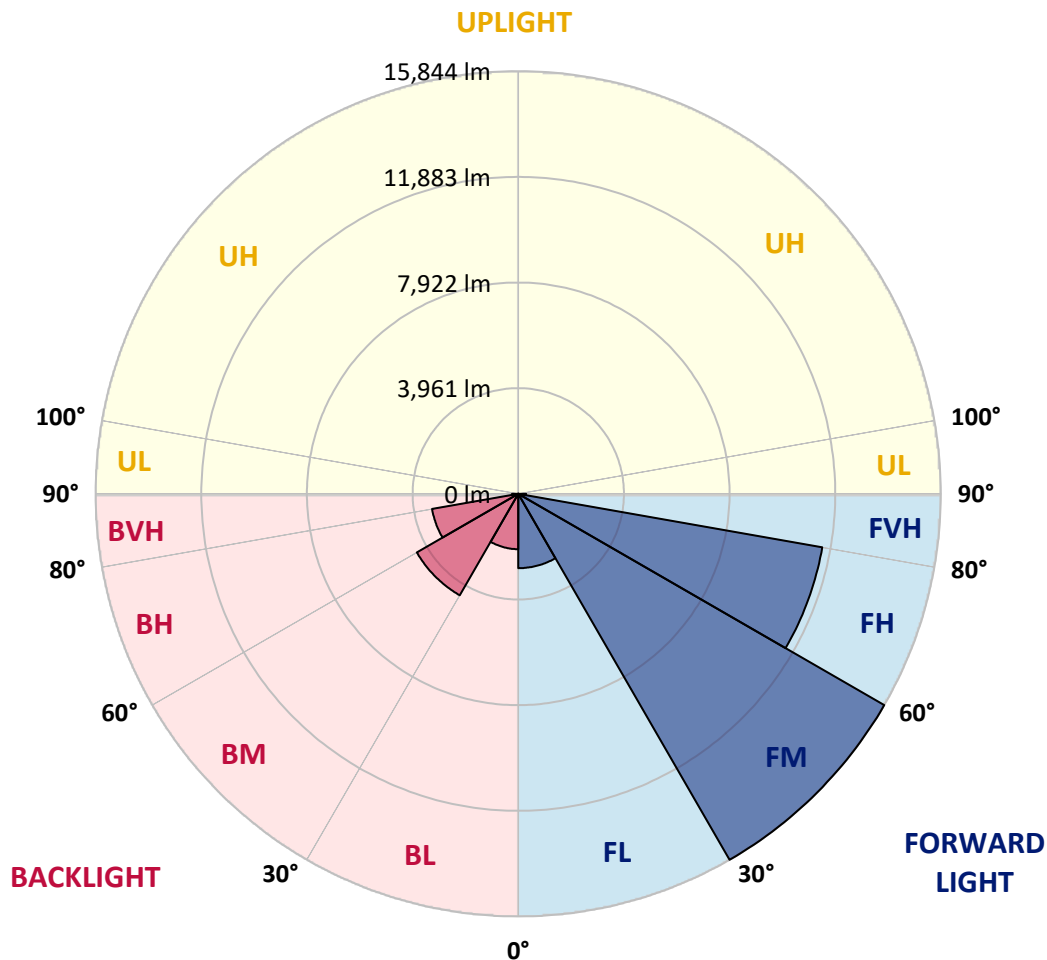
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2787.6	6.9			
FM (30°-60°)	15843.9	39.1			
FH (60°-80°)	11573.6	28.6			G4/12000
FVH (80°-90°)	296.4	0.7			G3/500
BL (0°-30°)	2076.1	5.1	B3/2500		
BM (30°-60°)	4390.6	10.8	B3/5000		
BH (60°-80°)	3279.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	233.0	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0
2.5°	6076.8	6111.2	6100.4	6089.7	6089.7	6074.6	6072.5	6051.0	6033.8	6005.9
5°	6154.1	6190.6	6186.3	6194.9	6222.9	6229.3	6235.7	6222.9	6188.5	6154.1
7.5°	6085.4	6126.2	6139.1	6190.6	6276.6	6353.9	6411.9	6435.5	6403.3	6353.9
10°	5853.4	5898.5	5943.6	6066.1	6218.6	6401.1	6555.8	6648.2	6641.7	6594.5
12.5°	5383.0	5430.2	5526.9	5765.3	6044.6	6366.8	6654.6	6847.9	6914.5	6880.2
15°	5007.1	5047.9	5120.9	5365.8	5728.8	6218.6	6691.1	7067.0	7236.7	7217.4
17.5°	4996.3	5013.5	5058.6	5174.6	5453.9	5986.6	6652.5	7281.8	7606.2	7604.0
20°	5185.4	5191.8	5217.6	5241.2	5400.2	5810.4	6553.7	7460.1	8020.8	8020.8
22.5°	5447.4	5443.1	5468.9	5447.4	5524.7	5795.4	6491.4	7616.9	8482.6	8517.0
25°	5840.5	5819.0	5812.6	5763.2	5778.2	5935.0	6560.1	7795.2	9030.3	9101.2
27.5°	6364.6	6330.3	6306.6	6192.8	6154.1	6222.9	6770.6	8010.0	9640.4	9762.8
30°	7047.7	6985.4	6951.0	6753.4	6613.8	6624.5	7088.5	8295.7	10278.3	10476.0
32.5°	7980.0	7883.3	7790.9	7466.6	7211.0	7127.2	7498.8	8690.9	10970.0	11285.8
35°	9023.9	8946.6	8847.8	8347.3	7954.2	7760.9	8053.0	9243.0	11779.8	12280.3
37.5°	10029.2	9962.6	10009.8	9335.4	8828.4	8547.0	8779.0	9984.1	12778.7	13517.6
40°	11068.8	11017.3	11023.7	10379.3	9788.6	9472.8	9659.7	10914.2	13923.6	14989.0
42.5°	12198.7	12160.0	12031.1	11459.8	10796.0	10501.7	10673.6	11988.2	15152.2	16664.5
45°	13463.9	13440.3	13320.0	12664.8	11904.4	11573.6	11805.6	13173.9	16387.4	18241.1
47.5°	14557.2	14576.6	14561.5	14009.5	13221.2	12735.7	13012.8	14411.2	17536.6	19723.3
50°	15083.5	15184.5	15332.7	15160.8	14671.1	14177.0	14230.7	15605.5	18632.1	21113.0
52.5°	14808.6	14999.7	15403.6	15678.5	15867.5	15764.4	15620.5	16791.2	19663.1	22367.5
55°	13783.9	14052.4	14722.6	15386.4	16350.8	17100.5	17289.5	18105.8	20668.4	23471.6
57.5°	11917.3	12353.3	12954.8	14297.3	15921.2	17747.1	19235.7	19929.5	21733.8	24650.9
60°	8716.7	9301.0	10048.5	12046.2	14417.6	17401.2	20891.8	22730.5	23248.2	26178.1
62.5°	5578.4	5939.3	6626.7	8508.4	11234.2	15629.1	21398.7	26231.8	25815.1	28682.7
65°	3819.2	4051.2	4680.6	5737.4	7262.5	11633.8	20041.2	28856.7	29892.1	32652.3
67.5°	2775.3	2951.4	3488.4	4414.2	4732.1	6884.5	15551.8	28736.4	33855.2	36742.1
70°	2023.4	2148.0	2599.1	3488.4	3640.9	3829.9	9421.3	24427.5	33769.3	37829.0
72.5°	1499.3	1585.2	1888.1	2706.5	2947.1	2586.2	4663.4	17753.5	29017.8	34216.1
75°	1084.8	1149.2	1372.6	2070.7	2358.5	1969.7	2326.3	10375.0	20240.9	24068.7
77.5°	829.1	878.5	1024.6	1516.5	1888.1	1477.8	1443.5	4772.9	9597.4	9644.7
80°	665.9	698.1	777.6	1067.6	1447.8	1106.2	940.8	1926.8	3033.0	2566.9
82.5°	489.8	543.5	657.3	749.7	1035.4	762.6	573.5	973.1	1153.5	992.4
85°	279.2	315.8	397.4	537.0	661.6	466.1	328.6	431.8	537.0	440.3
87.5°	98.8	128.9	139.6	210.5	287.8	193.3	126.7	124.6	176.1	131.0
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°
5935.0	0°	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0	5935.0
5999.5	2.5°	5978.0	5967.2	5924.3	5866.3	5806.1	5748.1	5728.8	5688.0	5660.1	5645.0
6139.1	5°	6098.3	6063.9	5962.9	5834.1	5698.7	5552.7	5449.6	5355.1	5286.3	5221.9
6330.3	7.5°	6270.1	6210.0	6036.0	5810.4	5569.9	5327.1	5146.7	5009.2	4916.9	4856.7
6553.7	10°	6469.9	6377.5	6111.2	5773.9	5402.3	5054.3	4841.7	4723.5	4665.5	4633.3
6809.3	12.5°	6699.7	6568.7	6188.5	5690.1	5146.7	4749.3	4603.2	4568.9	4571.0	4573.2
7131.5	15°	6983.3	6800.7	6250.8	5507.6	4813.7	4515.2	4489.4	4545.2	4603.2	4631.2
7496.6	17.5°	7303.3	7045.6	6261.5	5206.8	4487.2	4364.8	4446.4	4566.7	4654.8	4693.5
7904.8	20°	7647.0	7294.7	6184.2	4781.5	4218.7	4242.4	4388.4	4543.1	4639.8	4689.2
8370.9	22.5°	8040.1	7561.1	5999.5	4334.7	3999.6	4109.2	4281.0	4431.4	4532.4	4581.8
8918.6	25°	8489.0	7859.7	5709.5	3958.8	3810.6	3958.8	4130.7	4255.3	4336.9	4382.0
9530.8	27.5°	8987.4	8171.1	5322.8	3660.3	3645.2	3804.2	3945.9	4042.6	4085.6	4119.9
10181.7	30°	9487.9	8454.7	4854.6	3434.7	3501.3	3651.7	3752.6	3795.6	3808.5	3814.9
10907.7	32.5°	10029.2	8699.5	4362.7	3247.8	3363.8	3503.4	3563.6	3582.9	3522.8	3482.0
11788.4	35°	10684.3	8961.6	3881.5	3099.6	3228.5	3348.8	3368.1	3350.9	3280.0	3196.3
12892.5	37.5°	11494.1	9288.1	3497.0	2994.4	3101.8	3181.2	3157.6	3153.3	3159.8	3060.9
14220.0	40°	12486.5	9713.4	3215.6	2912.7	2998.7	3015.8	2949.3	2985.8	3018.0	2867.6
15676.4	42.5°	13588.5	10226.8	3037.3	2856.9	2912.7	2871.9	2768.8	2809.6	2805.3	2607.7
17139.2	45°	14711.9	10785.3	2975.0	2816.1	2833.3	2751.6	2637.8	2648.5	2558.3	2380.0
18541.8	47.5°	15828.9	11384.6	3013.7	2781.7	2734.4	2642.1	2554.0	2506.8	2373.6	2240.4
19886.5	50°	16924.4	12014.0	3155.5	2713.0	2599.1	2545.4	2481.0	2397.2	2255.4	2141.6
21158.1	52.5°	17940.4	12647.6	3314.4	2599.1	2429.4	2461.6	2420.8	2324.2	2184.6	2068.6
22361.0	55°	18902.7	13281.3	3376.7	2442.3	2270.5	2388.6	2365.0	2186.7	2019.2	1924.6
23619.8	57.5°	19950.9	14043.9	3308.0	2242.5	2141.6	2304.8	2214.6	2017.0	1920.3	1849.5
25258.7	60°	21403.0	15240.3	3159.8	1995.5	2019.2	2180.3	2025.6	1944.0	1838.7	1759.2
27716.1	62.5°	23815.3	17472.1	2921.3	1750.6	1875.2	1995.5	1935.4	1853.8	1746.4	1669.0
31917.7	65°	27381.0	20573.9	2472.4	1559.5	1714.1	1815.1	1838.7	1757.1	1645.4	1563.8
35599.4	67.5°	30388.3	22520.0	1870.9	1400.5	1548.7	1669.0	1735.6	1656.1	1538.0	1458.5
36460.7	70°	30222.9	21106.6	1428.4	1243.7	1402.7	1525.1	1611.0	1548.7	1422.0	1346.8
33118.4	72.5°	26844.0	17656.8	1155.6	1084.8	1254.5	1374.7	1477.8	1430.6	1301.7	1228.7
24262.1	75°	19721.1	12533.8	923.7	923.7	1069.7	1217.9	1331.8	1301.7	1183.6	1132.0
10186.0	77.5°	8312.9	5258.4	723.9	766.8	889.3	1046.1	1187.9	1198.6	1095.5	1159.9
2693.6	80°	2210.3	1449.9	552.0	603.6	698.1	863.5	1033.2	1028.9	917.2	857.1
1001.0	82.5°	842.0	571.4	393.1	425.3	504.8	661.6	818.4	844.2	732.5	633.7
393.1	85°	324.4	244.9	242.7	255.6	294.3	438.2	618.6	640.1	552.0	468.3
109.5	87.5°	83.8	73.0	90.2	85.9	135.3	234.1	354.4	367.3	337.2	195.5
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°
5935.0
5662.2
5247.6
4869.6
4641.9
4577.5
4629.0
4702.0
4702.0
4594.6
4394.9
4132.8
3829.9
3494.9
3200.6
3067.4
2871.9
2605.6
2386.5
2240.4
2133.0
2070.7
1916.0
1843.0
1754.9
1669.0
1568.1
1460.7
1353.3
1228.7
1117.0
1052.5
796.9
633.7
483.3
279.2
0.0

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