

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: P850036

Luminaire Tested: **GLAN-SB7B-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850036
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-SB7B-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32854 lumens
Efficiency: N/A
Efficacy: 128.0 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

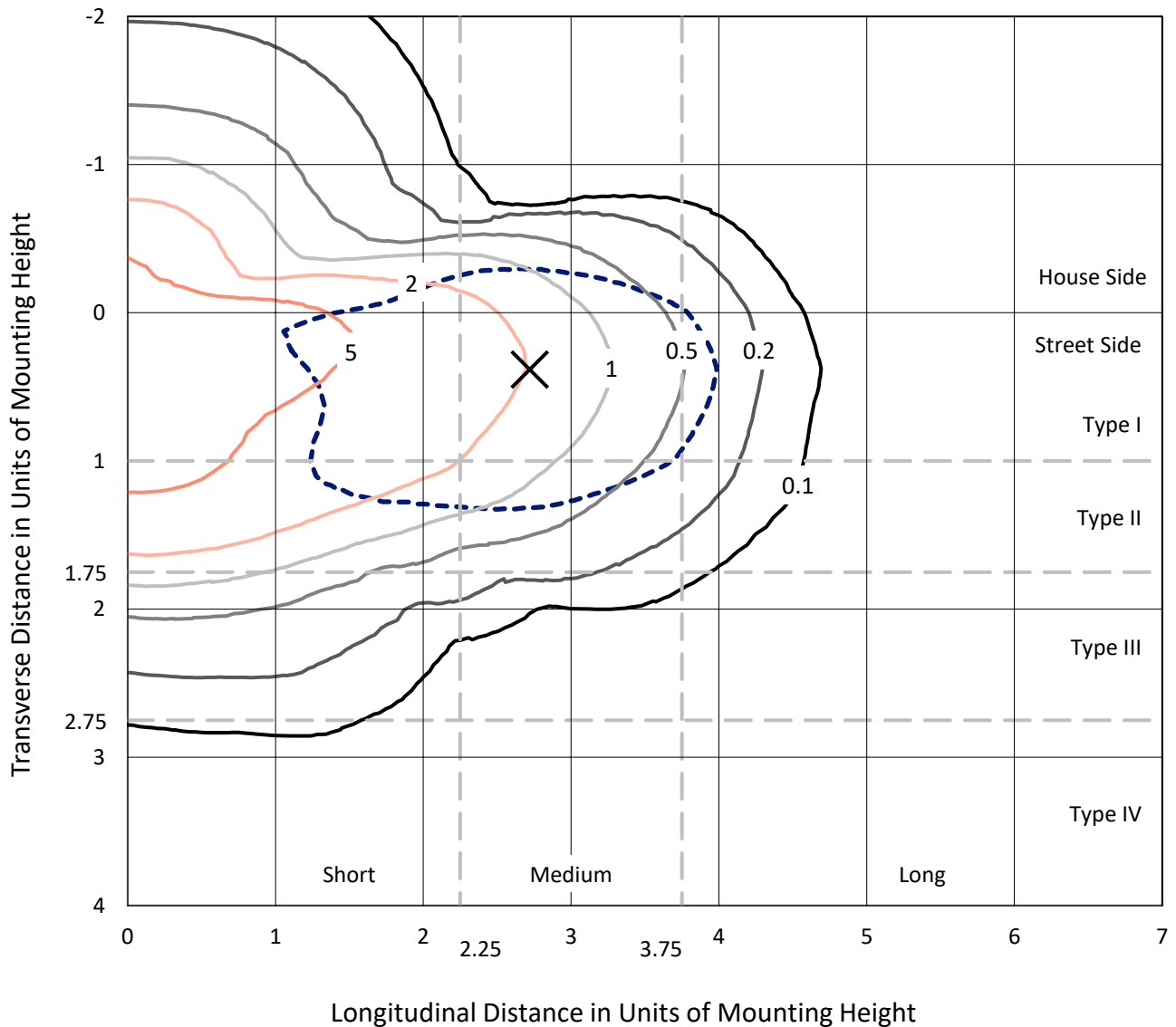
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

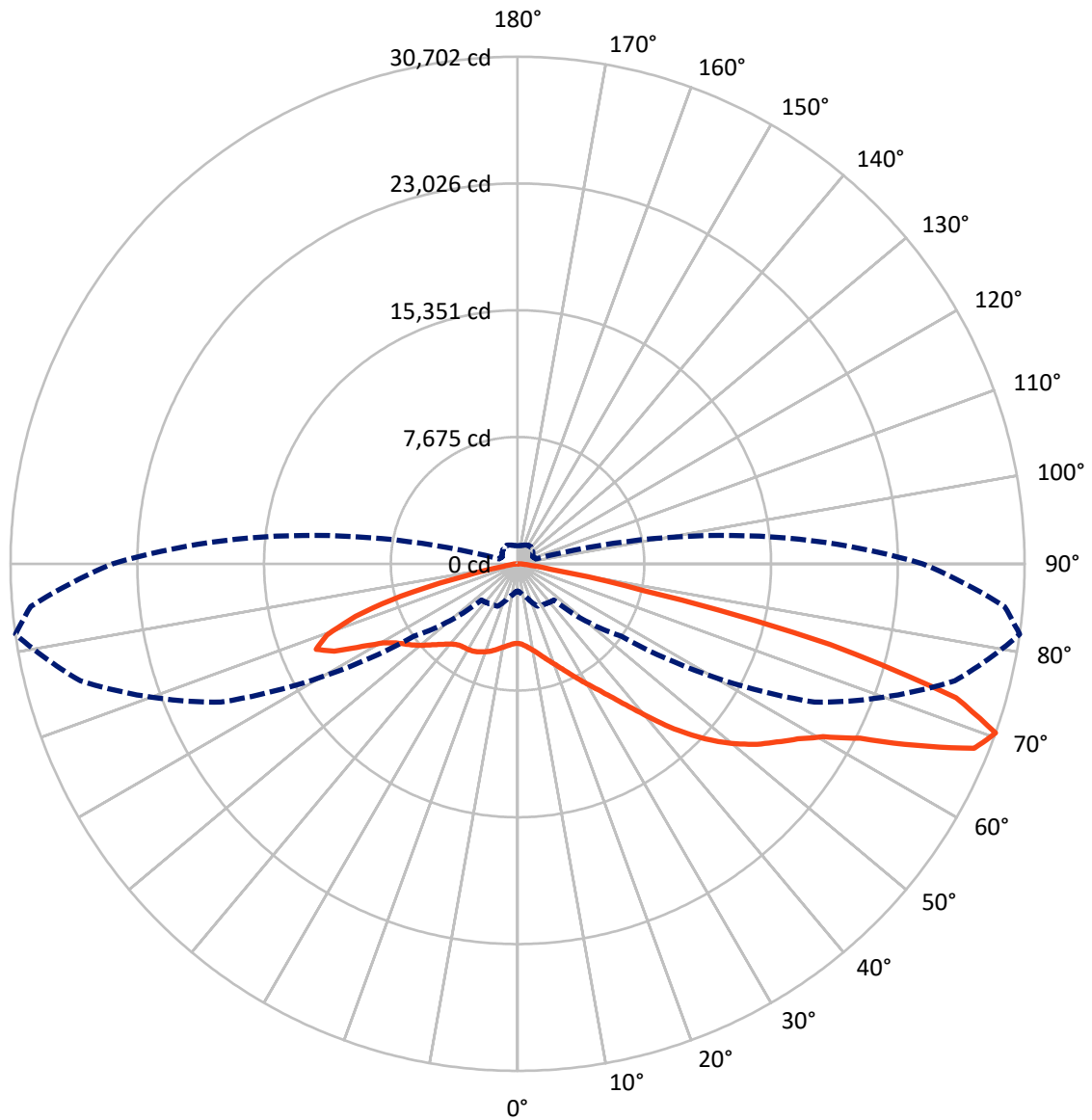
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	8099.3	0.0	8099.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24754.7	0.0	24754.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	32854.0	0.0	32854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.8	1.4
10°-20°	1306.6	4.0
20°-30°	2185.9	6.7
30°-40°	3414.9	10.4
40°-50°	5438.6	16.6
50°-60°	7568.5	23.0
60°-70°	7917.0	24.1
70°-80°	4137.9	12.6
80°-90°	429.7	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°	32854.0	100.0
0°-180°	32854.0	100.0

Coefficient of Utilization

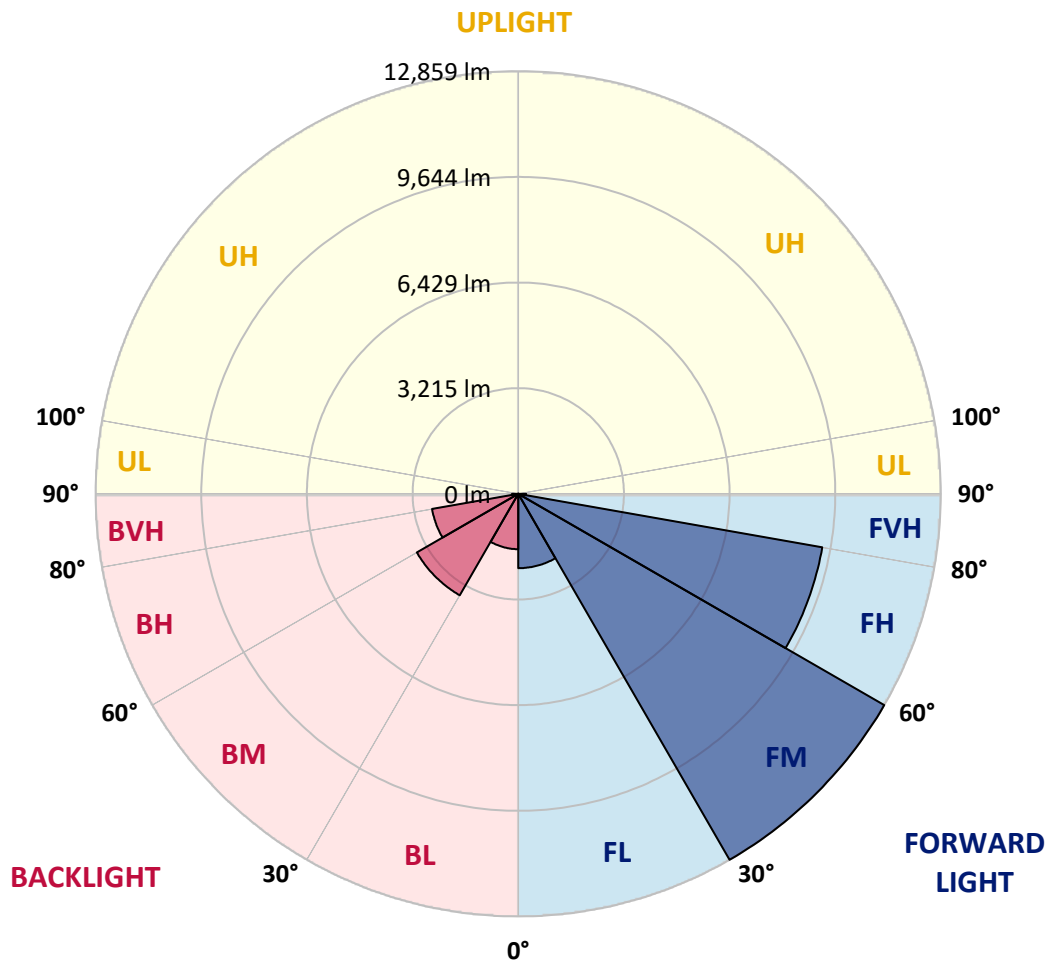


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2262.4	6.9			
FM (30°-60°)	12858.7	39.1			
FH (60°-80°)	9393.1	28.6			G4/12000
FVH (80°-90°)	240.5	0.7			G3/500
BL (0°-30°)	1685.0	5.1	B3/2500		
BM (30°-60°)	3563.4	10.8	B3/5000		
BH (60°-80°)	2661.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	189.1	0.6			G2/225
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°	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8
2.5°	4931.9	4959.8	4951.0	4942.3	4942.3	4930.1	4928.4	4910.9	4897.0	4874.3
5°	4994.6	5024.3	5020.8	5027.7	5050.4	5055.6	5060.9	5050.4	5022.5	4994.6
7.5°	4938.8	4972.0	4982.4	5024.3	5094.0	5156.8	5203.8	5223.0	5196.9	5156.8
10°	4750.6	4787.2	4823.8	4923.2	5046.9	5195.1	5320.6	5395.6	5390.4	5352.0
12.5°	4368.8	4407.1	4485.6	4679.1	4905.7	5167.2	5400.8	5557.7	5611.8	5583.9
15°	4063.7	4096.8	4156.1	4354.8	4649.4	5046.9	5430.5	5735.5	5873.3	5857.6
17.5°	4055.0	4068.9	4105.5	4199.7	4426.3	4858.6	5399.1	5909.9	6173.1	6171.4
20°	4208.4	4213.6	4234.5	4253.7	4382.7	4715.7	5318.9	6054.6	6509.6	6509.6
22.5°	4421.1	4417.6	4438.5	4421.1	4483.8	4703.5	5268.3	6181.8	6884.4	6912.3
25°	4740.1	4722.7	4717.4	4677.3	4689.5	4816.8	5324.1	6326.5	7328.9	7386.5
27.5°	5165.5	5137.6	5118.4	5026.0	4994.6	5050.4	5495.0	6500.9	7824.0	7923.4
30°	5719.8	5669.3	5641.4	5481.0	5367.7	5376.4	5753.0	6732.7	8341.8	8502.2
32.5°	6476.5	6398.0	6323.0	6059.8	5852.3	5784.4	6085.9	7053.5	8903.2	9159.4
35°	7323.7	7260.9	7180.8	6774.6	6455.5	6298.6	6535.7	7501.5	9560.4	9966.6
37.5°	8139.6	8085.5	8123.9	7576.5	7165.1	6936.7	7125.0	8103.0	10371.0	10970.7
40°	8983.4	8941.5	8946.7	8423.7	7944.3	7688.1	7839.7	8857.8	11300.2	12164.9
42.5°	9900.3	9869.0	9764.4	9300.6	8762.0	8523.1	8662.6	9729.5	12297.4	13524.7
45°	10927.2	10908.0	10810.4	10278.6	9661.5	9393.0	9581.3	10691.8	13299.8	14804.3
47.5°	11814.5	11830.2	11818.0	11370.0	10730.2	10336.2	10561.1	11696.0	14232.5	16007.2
50°	12241.6	12323.6	12443.9	12304.4	11906.9	11505.9	11549.5	12665.3	15121.6	17135.1
52.5°	12018.5	12173.6	12501.4	12724.5	12877.9	12794.3	12677.5	13627.6	15958.4	18153.2
55°	11186.9	11404.8	11948.8	12487.4	13270.2	13878.6	14032.0	14694.5	16774.3	19049.3
57.5°	9672.0	10025.9	10514.0	11603.6	12921.5	14403.4	15611.5	16174.6	17639.0	20006.4
60°	7074.4	7548.6	8155.3	9776.6	11701.2	14122.7	16955.6	18447.9	18868.0	21245.9
62.5°	4527.4	4820.3	5378.2	6905.3	9117.6	12684.4	17367.0	21289.5	20951.3	23278.6
65°	3099.6	3287.9	3798.7	4656.4	5894.2	9441.8	16265.2	23419.8	24260.1	26500.3
67.5°	2252.4	2395.3	2831.2	3582.5	3840.5	5587.4	12621.7	23322.2	27476.5	29819.6
70°	1642.2	1743.3	2109.4	2831.2	2954.9	3108.3	7646.2	19825.1	27406.8	30701.7
72.5°	1216.8	1286.6	1532.4	2196.6	2391.8	2099.0	3784.8	14408.6	23550.6	27769.4
75°	880.4	932.7	1114.0	1680.6	1914.2	1598.6	1888.0	8420.3	16427.4	19534.0
77.5°	672.9	713.0	831.6	1230.8	1532.4	1199.4	1171.5	3873.7	7789.2	7827.5
80°	540.4	566.6	631.1	866.4	1175.0	897.8	763.6	1563.8	2461.6	2083.3
82.5°	397.5	441.1	533.5	608.4	840.3	618.9	465.5	789.7	936.2	805.4
85°	226.6	256.3	322.5	435.8	536.9	378.3	266.7	350.4	435.8	357.4
87.5°	80.2	104.6	113.3	170.8	233.6	156.9	102.9	101.1	143.0	106.3
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°
4816.8	0°	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8	4816.8
4869.1	2.5°	4851.7	4843.0	4808.1	4761.0	4712.2	4665.1	4649.4	4616.3	4593.7	4581.5
4982.4	5°	4949.3	4921.4	4839.5	4734.9	4625.0	4506.5	4422.8	4346.1	4290.3	4238.0
5137.6	7.5°	5088.8	5040.0	4898.7	4715.7	4520.4	4323.4	4177.0	4065.4	3990.5	3941.7
5318.9	10°	5250.9	5175.9	4959.8	4686.1	4384.5	4102.0	3929.5	3833.6	3786.5	3760.4
5526.3	12.5°	5437.4	5331.1	5022.5	4618.1	4177.0	3854.5	3735.9	3708.1	3709.8	3711.5
5787.8	15°	5667.5	5519.4	5073.1	4469.9	3906.8	3664.5	3643.5	3688.9	3735.9	3758.6
6084.2	17.5°	5927.3	5718.1	5081.8	4225.8	3641.8	3542.4	3608.7	3706.3	3777.8	3809.2
6415.4	20°	6206.2	5920.3	5019.0	3880.6	3423.9	3443.1	3561.6	3687.1	3765.6	3805.7
6793.7	22.5°	6525.3	6136.5	4869.1	3518.0	3246.1	3335.0	3474.4	3596.5	3678.4	3718.5
7238.3	25°	6889.6	6378.8	4633.8	3212.9	3092.7	3212.9	3352.4	3453.5	3519.8	3556.4
7735.1	27.5°	7294.1	6631.6	4320.0	2970.6	2958.4	3087.4	3202.5	3280.9	3315.8	3343.7
8263.4	30°	7700.3	6861.7	3939.9	2787.6	2841.6	2963.7	3045.6	3080.5	3090.9	3096.1
8852.6	32.5°	8139.6	7060.5	3540.7	2635.9	2730.0	2843.4	2892.2	2907.9	2859.1	2825.9
9567.4	35°	8671.3	7273.2	3150.2	2515.6	2620.2	2717.8	2733.5	2719.6	2662.1	2594.1
10463.4	37.5°	9328.5	7538.1	2838.1	2430.2	2517.4	2581.9	2562.7	2559.2	2564.4	2484.2
11540.8	40°	10133.9	7883.3	2609.8	2363.9	2433.7	2447.6	2393.6	2423.2	2449.4	2327.3
12722.8	42.5°	11028.3	8300.0	2465.1	2318.6	2363.9	2330.8	2247.1	2280.3	2276.8	2116.4
13910.0	45°	11940.0	8753.2	2414.5	2285.5	2299.4	2233.2	2140.8	2149.5	2076.3	1931.6
15048.4	47.5°	12846.6	9239.6	2445.9	2257.6	2219.3	2144.3	2072.8	2034.5	1926.4	1818.3
16139.7	50°	13735.7	9750.4	2560.9	2201.8	2109.4	2065.8	2013.5	1945.6	1830.5	1738.1
17171.8	52.5°	14560.3	10264.7	2690.0	2109.4	1971.7	1997.9	1964.7	1886.3	1773.0	1678.8
18148.0	55°	15341.3	10779.0	2740.5	1982.2	1842.7	1938.6	1919.4	1774.7	1638.7	1562.0
19169.6	57.5°	16192.0	11397.9	2684.7	1820.0	1738.1	1870.6	1797.4	1637.0	1558.5	1501.0
20499.8	60°	17370.5	12368.9	2564.4	1619.5	1638.7	1769.5	1644.0	1577.7	1492.3	1427.8
22494.1	62.5°	19328.2	14180.2	2370.9	1420.8	1521.9	1619.5	1570.7	1504.5	1417.3	1354.6
25904.1	65°	22222.2	16697.6	2006.6	1265.7	1391.2	1473.1	1492.3	1426.0	1335.4	1269.1
28892.1	67.5°	24662.8	18277.0	1518.4	1136.6	1256.9	1354.6	1408.6	1344.1	1248.2	1183.7
29591.2	70°	24528.6	17129.9	1159.3	1009.4	1138.4	1237.8	1307.5	1256.9	1154.1	1093.1
26878.6	72.5°	21786.3	14330.1	937.9	880.4	1018.1	1115.7	1199.4	1161.1	1056.5	997.2
19690.9	75°	16005.5	10172.3	749.6	749.6	868.2	988.5	1080.9	1056.5	960.6	918.7
8266.8	77.5°	6746.7	4267.7	587.5	622.4	721.7	849.0	964.1	972.8	889.1	941.4
2186.1	80°	1793.9	1176.7	448.0	489.9	566.6	700.8	838.5	835.1	744.4	695.6
812.4	82.5°	683.4	463.7	319.0	345.2	409.7	536.9	664.2	685.1	594.5	514.3
319.0	85°	263.2	198.7	197.0	207.5	238.8	355.6	502.1	519.5	448.0	380.0
88.9	87.5°	68.0	59.3	73.2	69.7	109.8	190.0	287.6	298.1	273.7	158.6
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°
4816.8
4595.4
4258.9
3952.1
3767.3
3715.0
3756.9
3816.1
3816.1
3729.0
3566.8
3354.2
3108.3
2836.4
2597.6
2489.5
2330.8
2114.7
1936.8
1818.3
1731.1
1680.6
1555.0
1495.8
1424.3
1354.6
1272.6
1185.5
1098.3
997.2
906.5
854.2
646.8
514.3
392.2
226.6
0.0

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