

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: P849506

Luminaire Tested: **GLAN-SB6C-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849506
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-SB6C-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35878 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

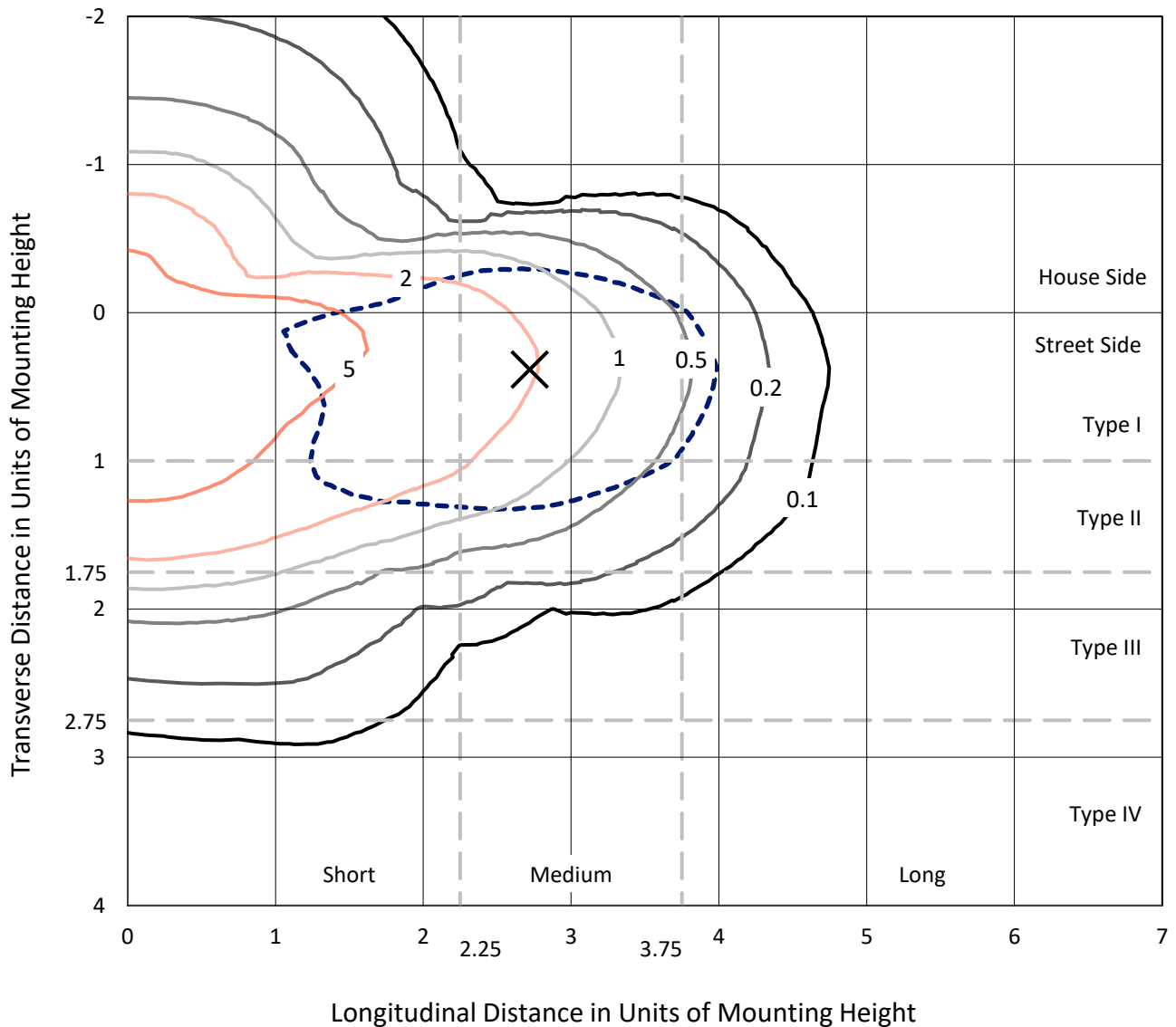
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

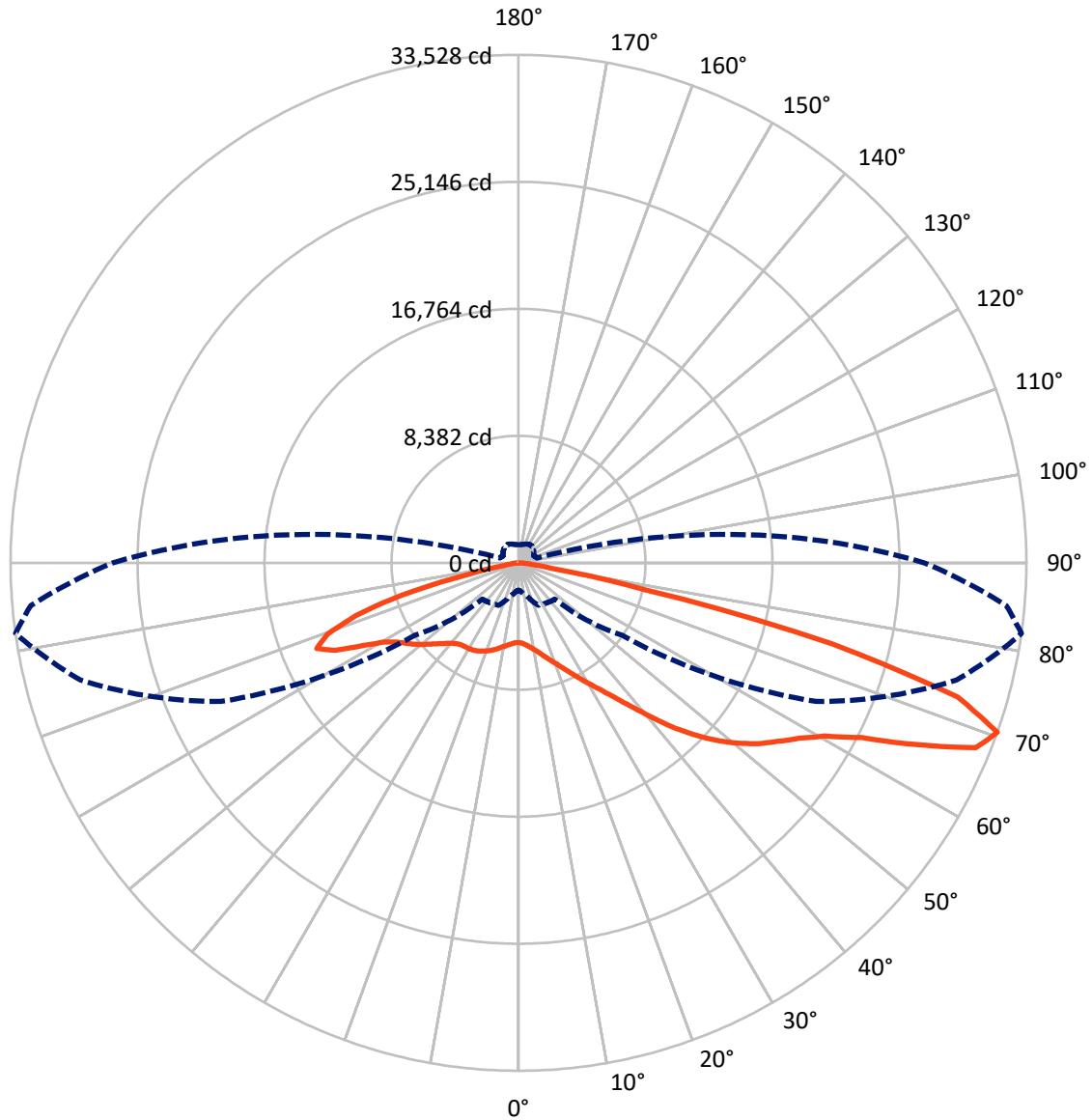
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	8844.8	0.0	8844.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	27033.2	0.0	27033.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	35878.0	0.0	35878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.7	1.4
10°-20°	1426.9	4.0
20°-30°	2387.1	6.7
30°-40°	3729.2	10.4
40°-50°	5939.2	16.6
50°-60°	8265.2	23.0
60°-70°	8645.8	24.1
70°-80°	4518.7	12.6
80°-90°	469.2	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°	35878.0	100.0
0°-180°	35878.0	100.0

Coefficient of Utilization

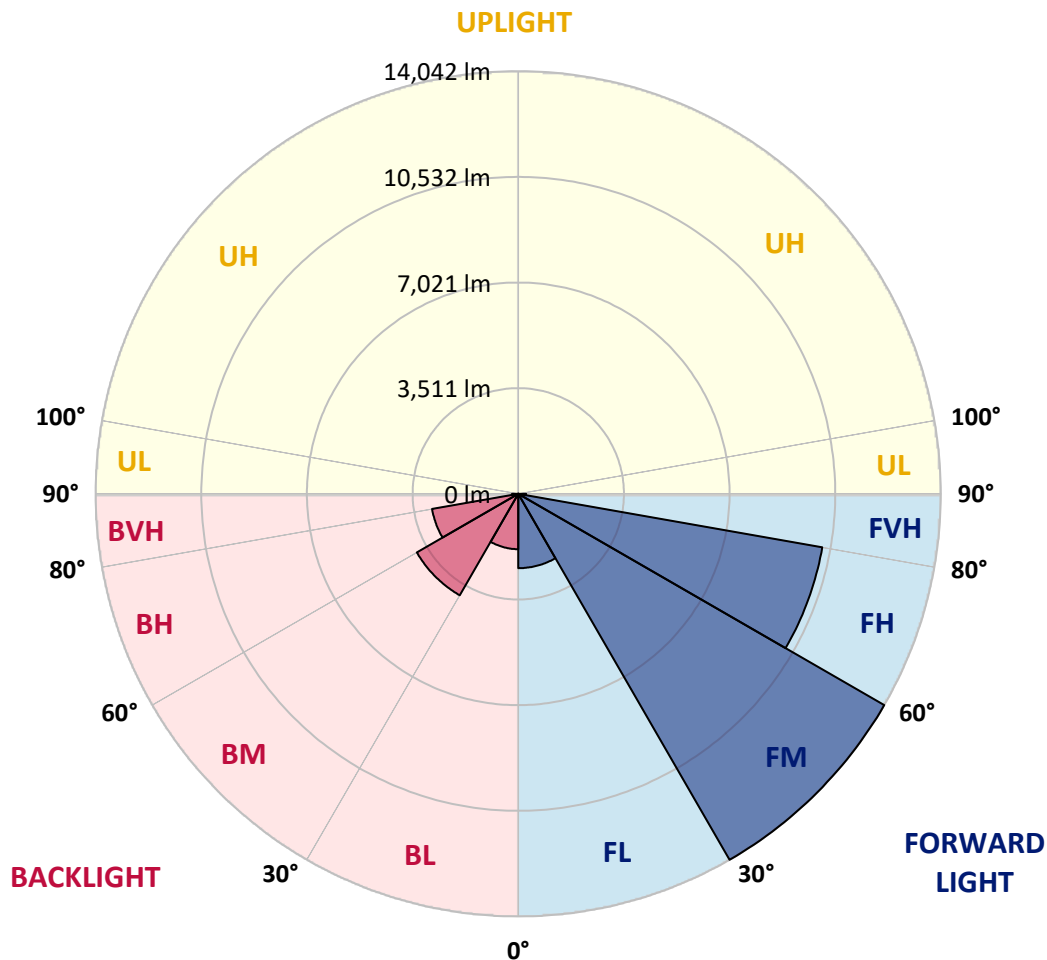


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2470.6	6.9			
FM (30°-60°)	14042.3	39.1			
FH (60°-80°)	10257.6	28.6			G4/12000
FVH (80°-90°)	262.7	0.7			G3/500
BL (0°-30°)	1840.0	5.1	B3/2500		
BM (30°-60°)	3891.4	10.8	B3/5000		
BH (60°-80°)	2906.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	206.5	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°	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2
2.5°	5385.8	5416.3	5406.8	5397.2	5397.2	5383.9	5382.0	5363.0	5347.7	5323.0
5°	5454.3	5486.7	5482.9	5490.5	5515.3	5521.0	5526.7	5515.3	5484.8	5454.3
7.5°	5393.4	5429.6	5441.0	5486.7	5562.9	5631.4	5682.8	5703.7	5675.2	5631.4
10°	5187.8	5227.8	5267.8	5376.3	5511.5	5673.3	5810.4	5892.2	5886.5	5844.6
12.5°	4770.9	4812.8	4898.4	5109.8	5357.3	5642.8	5897.9	6069.3	6128.3	6097.8
15°	4437.7	4473.9	4538.6	4755.7	5077.4	5511.5	5930.3	6263.5	6413.9	6396.7
17.5°	4428.2	4443.4	4483.4	4586.2	4833.7	5305.9	5896.0	6453.8	6741.3	6739.4
20°	4595.7	4601.5	4624.3	4645.2	4786.1	5149.7	5808.5	6611.9	7108.7	7108.7
22.5°	4828.0	4824.2	4847.0	4828.0	4896.5	5136.4	5753.2	6750.8	7518.1	7548.5
25°	5176.4	5157.4	5151.6	5107.9	5121.2	5260.2	5814.2	6908.8	8003.5	8066.3
27.5°	5640.9	5610.5	5589.5	5488.6	5454.3	5515.3	6000.7	7099.2	8544.2	8652.7
30°	6246.3	6191.1	6160.7	5985.5	5861.8	5871.3	6282.5	7352.4	9109.6	9284.8
32.5°	7072.6	6986.9	6905.0	6617.6	6391.0	6316.8	6646.1	7702.7	9722.6	10002.5
35°	7997.8	7929.3	7841.7	7398.1	7049.7	6878.4	7137.3	8192.0	10440.4	10884.0
37.5°	8888.8	8829.8	8871.6	8273.9	7824.6	7575.2	7780.8	8848.8	11325.6	11980.5
40°	9810.2	9764.5	9770.2	9199.1	8675.6	8395.7	8561.3	9673.1	12340.3	13284.6
42.5°	10811.6	10777.3	10663.1	10156.7	9568.4	9307.6	9459.9	10625.0	13429.3	14769.6
45°	11932.9	11912.0	11805.4	11224.7	10550.8	10257.6	10463.2	11675.9	14524.0	16167.0
47.5°	12902.0	12919.1	12905.8	12416.5	11717.8	11287.6	11533.1	12772.5	15542.5	17480.6
50°	13368.4	13457.9	13589.2	13436.9	13002.9	12565.0	12612.6	13831.0	16513.4	18712.3
52.5°	13124.7	13294.1	13652.1	13895.7	14063.3	13971.9	13844.3	14881.9	17427.3	19824.1
55°	12216.6	12454.6	13048.6	13636.8	14491.6	15156.0	15323.6	16047.0	18318.2	20802.7
57.5°	10562.2	10948.7	11481.7	12671.6	14110.9	15729.1	17048.4	17663.3	19262.5	21847.9
60°	7725.6	8243.4	8905.9	10676.4	12778.2	15422.6	18516.2	20145.9	20604.7	23201.5
62.5°	4944.1	5264.0	5873.2	7540.9	9956.8	13852.0	18965.5	23249.0	22879.7	25421.3
65°	3384.9	3590.5	4148.4	5085.0	6436.7	10310.9	17762.3	25575.5	26493.1	28939.5
67.5°	2459.7	2615.8	3091.8	3912.3	4194.0	6101.6	13783.4	25468.9	30005.6	32564.3
70°	1793.4	1903.8	2303.6	3091.8	3226.9	3394.5	8350.0	21649.9	29929.4	33527.6
72.5°	1328.8	1405.0	1673.4	2398.8	2612.0	2292.2	4133.1	15734.8	25718.3	30325.4
75°	961.4	1018.5	1216.5	1835.3	2090.4	1745.8	2061.8	9195.3	17939.4	21331.9
77.5°	734.9	778.6	908.1	1344.1	1673.4	1309.8	1279.3	4230.2	8506.1	8548.0
80°	590.2	618.7	689.2	946.2	1283.2	980.5	833.9	1707.7	2688.1	2275.0
82.5°	434.1	481.7	582.6	664.4	917.6	675.8	508.3	862.4	1022.3	879.5
85°	247.5	279.9	352.2	475.9	586.4	413.1	291.3	382.7	475.9	390.3
87.5°	87.6	114.2	123.7	186.6	255.1	171.3	112.3	110.4	156.1	116.1
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°
5260.2	0°	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2	5260.2
5317.3	2.5°	5298.2	5288.7	5250.6	5199.2	5145.9	5094.5	5077.4	5041.2	5016.5	5003.2
5441.0	5°	5404.9	5374.4	5284.9	5170.7	5050.7	4921.3	4829.9	4746.1	4685.2	4628.1
5610.5	7.5°	5557.2	5503.8	5349.6	5149.7	4936.5	4721.4	4561.5	4439.6	4357.8	4304.5
5808.5	10°	5734.2	5652.3	5416.3	5117.4	4788.0	4479.6	4291.1	4186.4	4135.0	4106.5
6035.0	12.5°	5937.9	5821.8	5484.8	5043.1	4561.5	4209.3	4079.8	4049.4	4051.3	4053.2
6320.6	15°	6189.2	6027.4	5540.0	4881.3	4266.4	4001.8	3978.9	4028.4	4079.8	4104.6
6644.2	17.5°	6472.9	6244.4	5549.5	4614.8	3977.0	3868.5	3940.8	4047.5	4125.5	4159.8
7005.9	20°	6777.5	6465.3	5481.0	4237.8	3739.0	3760.0	3889.4	4026.5	4112.2	4156.0
7419.1	22.5°	7125.9	6701.3	5317.3	3841.8	3544.9	3641.9	3794.2	3927.5	4017.0	4060.8
7904.5	25°	7523.8	6966.0	5060.3	3508.7	3377.3	3508.7	3661.0	3771.4	3843.7	3883.7
8447.1	27.5°	7965.4	7242.0	4717.6	3244.1	3230.7	3371.6	3497.3	3582.9	3621.0	3651.5
9024.0	30°	8409.0	7493.3	4302.6	3044.2	3103.2	3236.4	3325.9	3364.0	3375.4	3381.1
9667.4	32.5°	8888.8	7710.3	3866.6	2878.5	2981.3	3105.1	3158.4	3175.5	3122.2	3086.0
10448.0	35°	9469.4	7942.6	3440.1	2747.2	2861.4	2968.0	2985.1	2969.9	2907.1	2832.8
11426.5	37.5°	10187.2	8232.0	3099.4	2653.9	2749.1	2819.5	2798.6	2794.8	2800.5	2712.9
12603.1	40°	11066.7	8608.9	2850.0	2581.5	2657.7	2672.9	2613.9	2646.3	2674.8	2541.6
13893.8	42.5°	12043.4	9063.9	2692.0	2532.0	2581.5	2545.4	2454.0	2490.2	2486.3	2311.2
15190.3	45°	13039.0	9558.9	2636.7	2495.9	2511.1	2438.8	2337.9	2347.4	2267.4	2109.4
16433.5	47.5°	14029.0	10090.1	2671.0	2465.4	2423.5	2341.7	2263.6	2221.7	2103.7	1985.6
17625.3	50°	14999.9	10647.9	2796.7	2404.5	2303.6	2256.0	2198.9	2124.6	1999.0	1898.1
18752.3	52.5°	15900.4	11209.5	2937.5	2303.6	2153.2	2181.7	2145.6	2059.9	1936.2	1833.3
19818.4	55°	16753.3	11771.1	2992.8	2164.6	2012.3	2117.0	2096.1	1938.1	1789.6	1705.8
20934.0	57.5°	17682.4	12447.0	2931.8	1987.6	1898.1	2042.8	1962.8	1787.7	1702.0	1639.2
22386.6	60°	18969.3	13507.4	2800.5	1768.6	1789.6	1932.3	1795.3	1722.9	1629.6	1559.2
24564.6	62.5°	21107.3	15485.4	2589.2	1551.6	1662.0	1768.6	1715.3	1643.0	1547.8	1479.2
28288.4	65°	24267.6	18234.5	2191.3	1382.1	1519.2	1608.7	1629.6	1557.3	1458.3	1386.0
31551.5	67.5°	26932.9	19959.3	1658.2	1241.3	1372.6	1479.2	1538.3	1467.8	1363.1	1292.7
32314.9	70°	26786.3	18706.6	1266.0	1102.3	1243.2	1351.7	1427.8	1372.6	1260.3	1193.7
29352.6	72.5°	23791.6	15649.1	1024.2	961.4	1111.8	1218.4	1309.8	1267.9	1153.7	1089.0
21503.3	75°	17478.7	11108.6	818.6	818.6	948.1	1079.4	1180.3	1153.7	1049.0	1003.3
9027.8	77.5°	7367.7	4660.5	641.6	679.7	788.2	927.1	1052.8	1062.3	970.9	1028.0
2387.3	80°	1959.0	1285.1	489.3	535.0	618.7	765.3	915.7	911.9	812.9	759.6
887.2	82.5°	746.3	506.4	348.4	376.9	447.4	586.4	725.3	748.2	649.2	561.6
348.4	85°	287.5	217.0	215.1	226.6	260.8	388.4	548.3	567.3	489.3	415.0
97.1	87.5°	74.2	64.7	80.0	76.2	119.9	207.5	314.1	325.5	298.9	173.2
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°
5260.2
5018.4
4651.0
4315.9
4114.1
4057.0
4102.7
4167.4
4167.4
4072.2
3895.1
3662.9
3394.5
3097.5
2836.6
2718.6
2545.4
2309.3
2115.1
1985.6
1890.5
1835.3
1698.2
1633.4
1555.4
1479.2
1389.8
1294.6
1199.4
1089.0
990.0
932.9
706.3
561.6
428.4
247.5
0.0

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