

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: P853259

Luminaire Tested: **GLAN-SB9D-840-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853259  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-840-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 81469 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B5 - U0 - G5

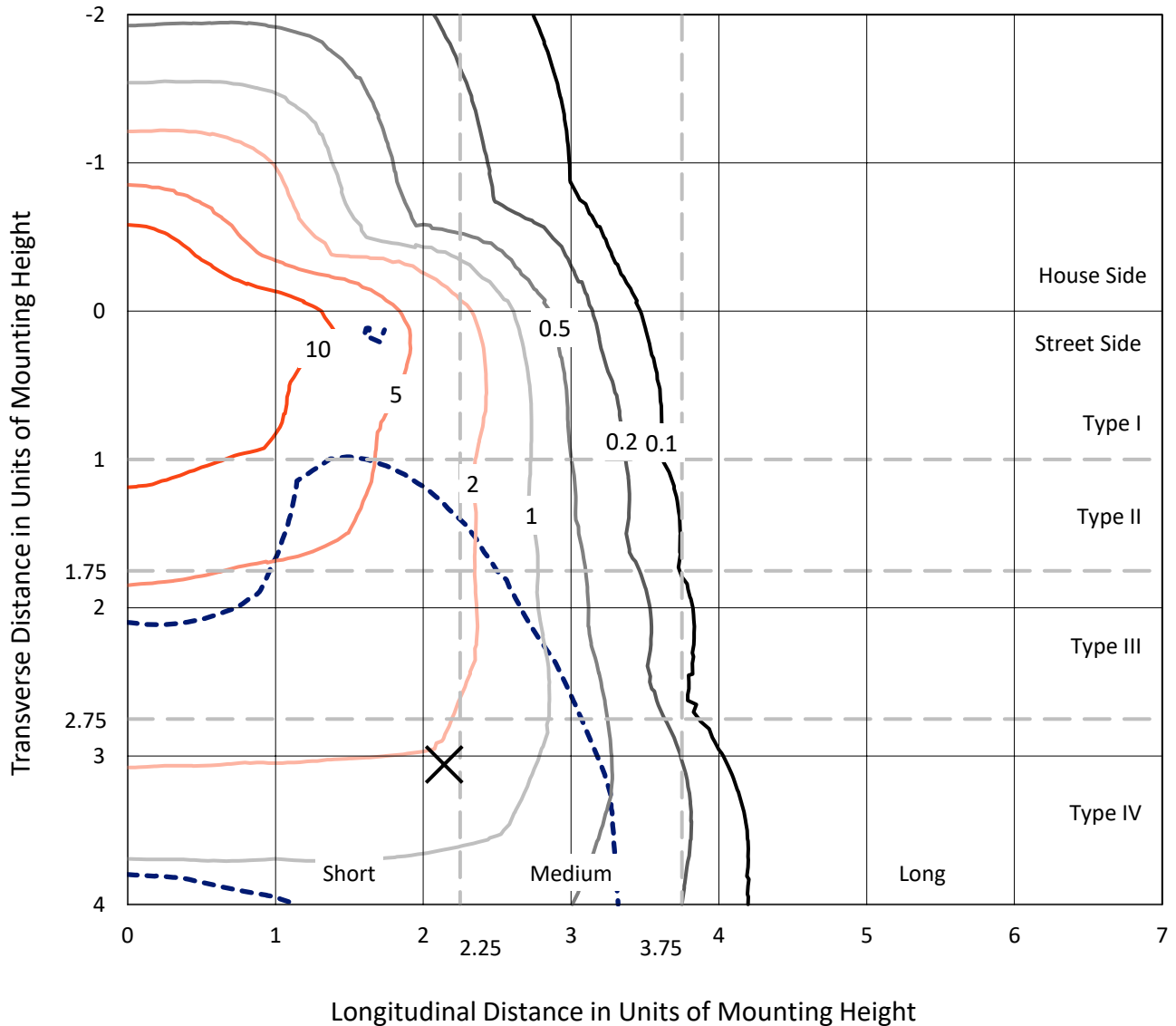
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

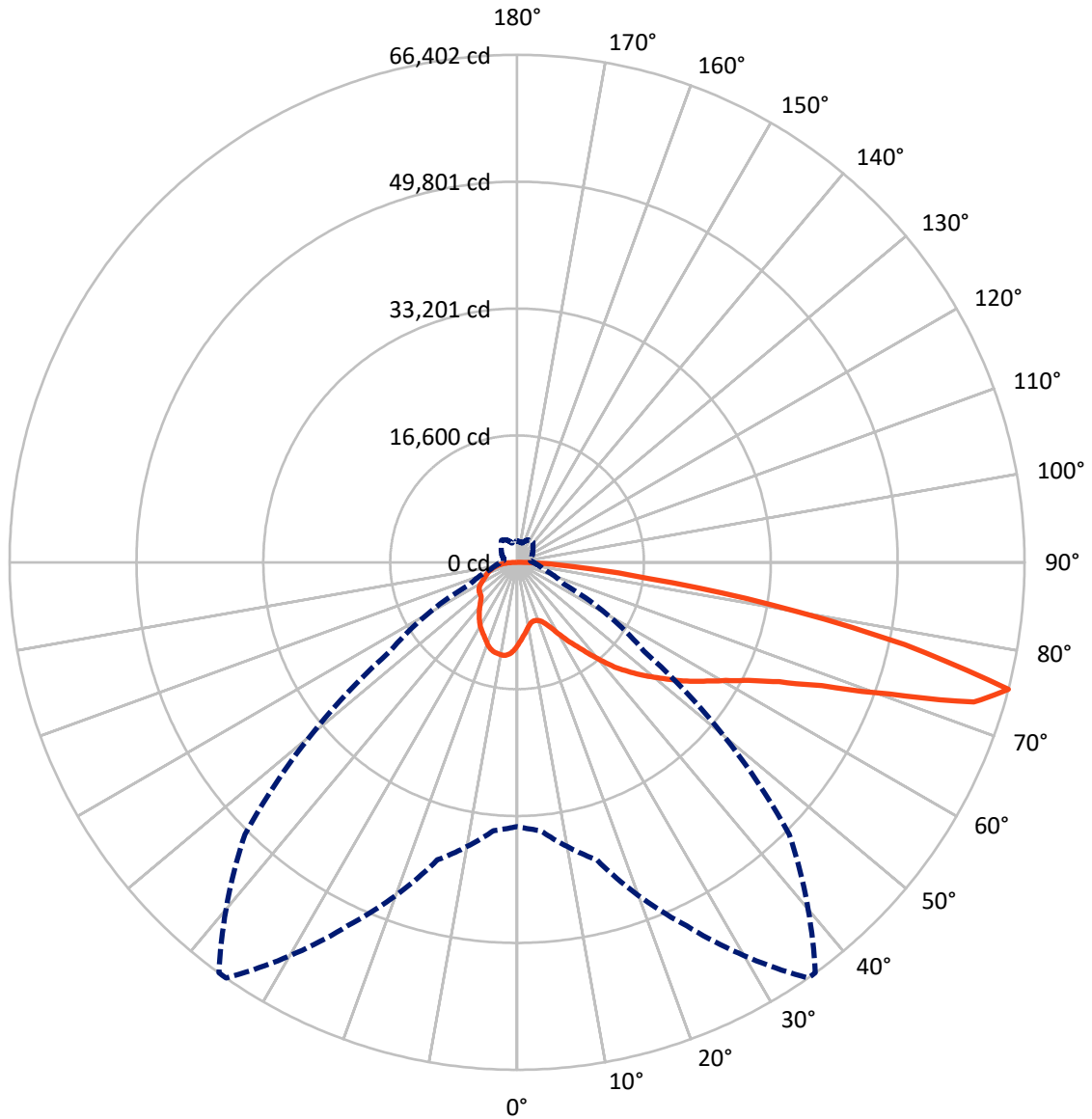
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19387.6	0.0	19387.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	62081.4	0.0	62081.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	81469.0	0.0	81469.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1027.9	1.3
10°-20°	2964.8	3.6
20°-30°	4978.7	6.1
30°-40°	7737.6	9.5
40°-50°	11484.7	14.1
50°-60°	15855.3	19.5
60°-70°	19236.1	23.6
70°-80°	15897.2	19.5
80°-90°	2286.5	2.8
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°	81469.0	100.0
0°-180°	81469.0	100.0

**Coefficient of Utilization**

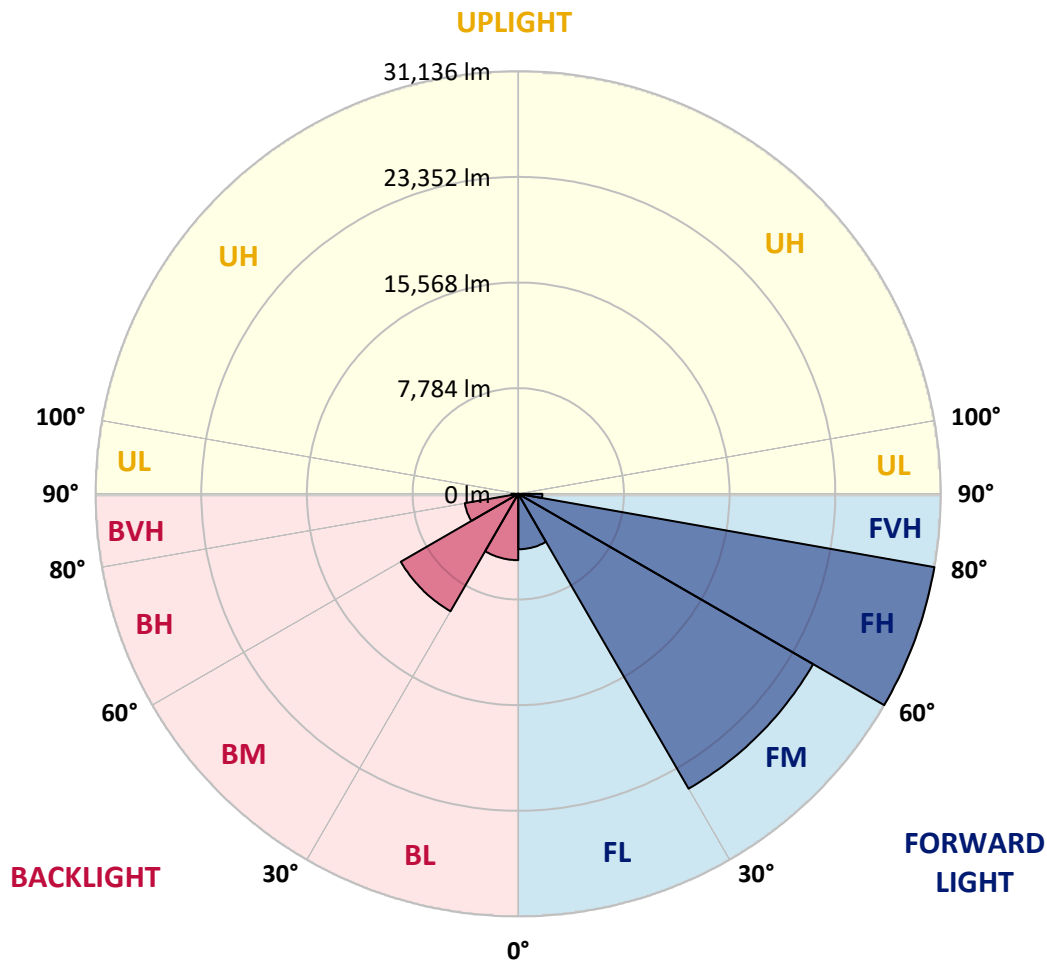


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4085.5	5.0			
FM (30°-60°)	25088.0	30.8			
FH (60°-80°)	31136.2	38.2			G5
FVH (80°-90°)	1771.6	2.2			G5
BL (0°-30°)	4885.9	6.0	B4/5000		
BM (30°-60°)	9989.7	12.3	B5		
BH (60°-80°)	3997.1	4.9	B4/5000		G4/5000
BVH (80°-90°)	514.9	0.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3
2.5°	10010.7	10072.4	10098.8	10085.6	10151.6	10142.8	10235.3	10349.8	10508.4	10662.5
5°	9240.0	9306.0	9363.3	9416.1	9543.9	9583.5	9728.8	9949.0	10239.7	10534.8
7.5°	8522.1	8579.3	8667.4	8764.3	8980.1	9019.8	9262.0	9605.5	10010.7	10442.3
10°	7936.3	7993.6	8086.1	8196.2	8464.8	8513.3	8821.6	9279.6	9808.1	10354.2
12.5°	7685.3	7702.9	7755.8	7865.9	8099.3	8130.1	8469.2	8993.3	9609.9	10288.2
15°	7672.1	7707.3	7711.7	7769.0	7962.8	7976.0	8288.7	8808.4	9486.6	10274.9
17.5°	7804.2	7830.6	7791.0	7826.2	7989.2	8011.2	8257.8	8720.3	9447.0	10332.2
20°	8156.5	8178.6	8059.6	8011.2	8130.1	8147.7	8390.0	8777.5	9486.6	10451.1
22.5°	8905.2	8918.5	8627.8	8429.6	8438.4	8447.2	8658.6	9010.9	9640.7	10666.9
25°	10072.4	10063.5	9601.1	9217.9	8997.7	8949.3	9090.2	9389.7	9900.6	10953.2
27.5°	11437.6	11371.6	10909.1	10336.6	9856.5	9786.1	9755.3	9883.0	10270.5	11331.9
30°	12979.1	12917.5	12419.8	11671.1	11006.0	10891.5	10600.9	10534.8	10821.1	11847.2
32.5°	14670.3	14630.7	14036.1	13128.9	12239.2	12107.1	11618.2	11442.1	11666.7	12626.8
35°	16088.5	16053.2	15560.0	14626.3	13538.4	13375.5	12877.8	12679.6	12794.1	13626.5
37.5°	17370.1	17352.5	16929.7	16194.2	15071.1	14872.9	14313.6	14247.5	14225.5	14943.4
40°	18559.2	18515.2	18074.7	17687.2	16854.8	16674.2	16180.9	16123.7	15956.3	16564.1
42.5°	19876.0	19761.5	19122.9	18942.4	18717.8	18568.0	18272.9	18281.7	17911.8	18391.8
45°	20950.7	20884.6	20228.4	20122.7	20364.9	20303.3	20558.7	20624.8	19906.9	20307.7
47.5°	22104.6	22042.9	21488.0	21413.1	22069.3	22086.9	22989.8	23011.8	21853.5	22298.3
50°	23527.1	23439.0	22888.5	22981.0	23716.5	23782.6	25434.1	25284.4	23646.0	24319.9
52.5°	24465.2	24518.1	24399.1	24548.9	25553.0	25614.7	27838.8	27455.6	25420.9	26315.0
55°	25156.7	25262.4	25632.3	25975.8	27490.9	27552.5	30107.0	29521.2	26891.9	28164.7
57.5°	26046.3	25896.6	26588.0	27257.4	29331.8	29494.8	32313.4	31511.9	28195.5	29759.0
60°	27323.5	27217.8	27755.1	28746.1	31393.0	31652.8	34647.7	33304.4	29151.2	31023.0
62.5°	29913.2	29648.9	29732.6	30609.0	33991.4	34335.0	37281.4	34867.9	29626.9	31516.3
65°	33784.4	33330.8	32908.0	33515.8	37651.3	37990.4	40254.2	36096.6	29450.7	30560.6
67.5°	38659.9	38210.6	37690.9	38263.5	43042.0	43310.7	43922.9	36788.1	28063.4	26878.7
70°	42680.9	42513.5	43134.5	45490.7	51652.2	51661.0	48626.5	36215.5	24262.6	19056.9
72.5°	42148.0	42046.7	45319.0	52603.5	62504.1	62270.7	53079.1	31881.8	16343.9	8597.0
75°	34577.2	35233.4	40302.6	52475.8	66401.8	66370.9	50353.0	20268.0	6760.4	3563.0
77.5°	18541.6	19581.0	26165.2	38743.5	51837.2	52616.7	35400.8	7090.7	2902.4	2281.4
80°	6046.9	6954.2	10429.1	19726.3	33683.1	33537.8	15172.4	2783.4	1986.3	1616.3
82.5°	2567.6	2673.3	4659.6	9314.8	17286.4	17017.7	4831.4	1598.7	1396.1	1105.4
85°	1004.2	1123.1	2056.8	4307.3	7487.1	7324.1	1744.1	792.8	894.0	722.3
87.5°	330.3	400.8	735.5	1475.4	2329.8	2246.1	427.2	273.1	387.6	330.3
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°
10856.3	0°	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3	10856.3
10887.1	2.5°	10948.8	11019.2	11102.9	11226.2	11331.9	11420.0	11512.5	11569.8	11591.8	11657.9
10904.7	5°	11028.1	11182.2	11389.2	11591.8	11790.0	11908.9	12014.6	12067.4	12115.9	12151.1
10953.2	7.5°	11160.2	11358.4	11684.3	11948.5	12115.9	12212.8	12283.2	12265.6	12283.2	12292.1
11006.0	10°	11274.7	11552.2	11939.7	12190.8	12318.5	12322.9	12305.3	12243.6	12212.8	12217.2
11085.3	12.5°	11411.2	11719.5	12137.9	12349.3	12384.5	12287.7	12212.8	12107.1	12067.4	12049.8
11204.2	15°	11596.2	11948.5	12353.7	12433.0	12344.9	12221.6	12093.9	11922.1	11834.0	11763.6
11406.8	17.5°	11820.8	12208.4	12521.1	12463.8	12274.4	12071.8	11864.9	11605.0	11424.4	11349.6
11684.3	20°	12133.5	12481.4	12648.8	12397.8	12111.5	11803.2	11450.9	11133.8	10966.4	10891.5
12036.6	22.5°	12512.3	12847.0	12772.1	12283.2	11878.1	11384.8	10944.4	10711.0	10627.3	10574.4
12490.2	25°	12965.9	13252.2	12860.2	12115.9	11494.9	10829.9	10490.7	10415.9	10376.2	10336.6
13045.2	27.5°	13556.1	13710.2	12926.3	11869.3	10895.9	10239.7	10116.4	10129.6	10116.4	10050.3
13815.9	30°	14335.6	14304.8	12987.9	11468.5	10208.9	9706.8	9715.6	9772.9	9781.7	9737.6
14890.5	32.5°	15361.8	15049.1	13018.7	10948.8	9552.7	9240.0	9248.8	9310.4	9354.5	9279.6
16295.5	35°	16603.7	15916.7	12970.3	10297.0	9046.2	8795.1	8729.1	8746.7	8759.9	8689.4
17999.9	37.5°	18052.7	16890.0	12754.5	9574.7	8627.8	8359.1	8218.2	8099.3	8028.8	7962.8
19928.9	40°	19642.6	17951.4	12358.1	8870.0	8160.9	7896.7	7685.3	7460.7	7222.8	7134.8
21972.4	42.5°	21307.4	19043.7	11878.1	8196.2	7623.6	7407.8	7183.2	6857.3	6500.6	6320.0
24095.3	45°	23033.8	20162.3	11406.8	7531.1	7073.1	6980.6	6720.8	6328.8	5941.2	5712.2
26222.5	47.5°	24725.0	21219.3	10715.4	6861.7	6557.8	6659.1	6456.5	6095.4	5663.8	5302.6
28332.1	50°	26341.4	22210.3	9583.5	6183.5	6139.4	6562.2	6368.4	5848.7	5355.5	4893.0
30402.0	52.5°	27944.5	23011.8	8134.5	5566.9	5914.8	6535.8	6253.9	5681.4	5078.0	4593.6
32348.7	55°	29305.4	23425.8	6738.4	5038.4	5588.9	6311.2	6117.4	5483.2	4686.0	4170.8
33683.1	57.5°	30080.5	23091.1	5575.7	4518.7	5139.7	5941.2	5884.0	5060.4	4219.2	3822.8
33943.0	60°	29745.8	21734.6	4624.4	4065.1	4712.5	5540.5	5478.8	4642.0	3862.5	3488.1
32551.3	62.5°	27900.5	19149.4	3871.3	3668.7	4324.9	5130.9	5073.6	4320.5	3589.4	3228.3
28856.2	65°	24183.3	15577.6	3285.5	3338.4	3932.9	4637.6	4721.3	4051.8	3373.6	3021.3
22324.8	67.5°	18444.7	11283.5	2827.5	3052.1	3549.8	4153.1	4395.4	3858.1	3193.0	2858.3
12917.5	70°	10512.8	6408.1	2439.9	2774.6	3210.6	3703.9	4144.3	3703.9	2999.2	2721.8
4840.2	72.5°	3985.8	2942.0	2109.6	2497.2	2884.7	3325.2	3866.9	3461.7	2774.6	2567.6
2501.6	75°	2127.2	1792.5	1774.9	2171.3	2510.4	2955.2	3518.9	3223.9	2607.3	2713.0
1730.8	77.5°	1449.0	1268.4	1484.2	1858.6	2100.8	2545.6	3149.0	2862.7	2259.3	2250.5
1197.9	80°	1004.2	898.5	1206.7	1497.4	1625.1	2140.4	2748.2	2457.5	1840.9	1717.6
739.9	82.5°	603.4	585.8	902.9	1118.7	1149.5	1651.6	2277.0	2061.2	1506.2	1312.4
440.4	85°	330.3	347.9	576.9	656.2	669.4	1153.9	1783.7	1594.3	1158.3	973.3
158.6	87.5°	92.5	118.9	211.4	259.8	321.5	599.0	1061.4	946.9	581.4	405.2
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°
10856.3
11653.5
12159.9
12305.3
12226.0
12041.0
11785.6
11354.0
10882.7
10583.2
10336.6
10063.5
9759.7
9314.8
8737.9
8006.8
7174.4
6342.0
5694.6
5263.0
4853.4
4540.7
4126.7
3770.0
3435.3
3171.0
2964.0
2805.5
2686.5
2532.4
2801.1
2074.4
1642.8
1321.3
982.1
405.2
0.0

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