

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: P853265

Luminaire Tested: **GLAN-SB9D-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853265
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-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61804 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

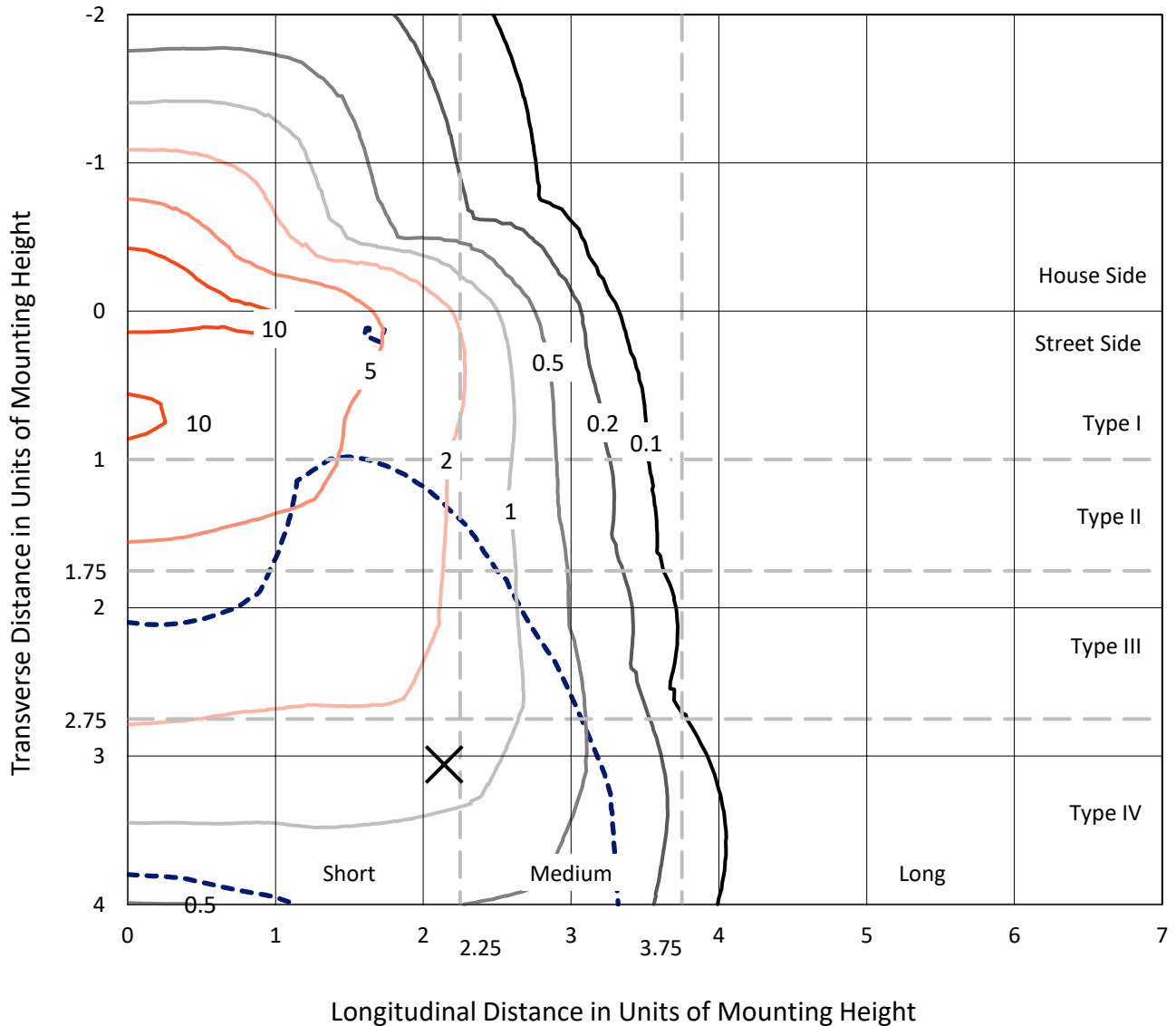
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

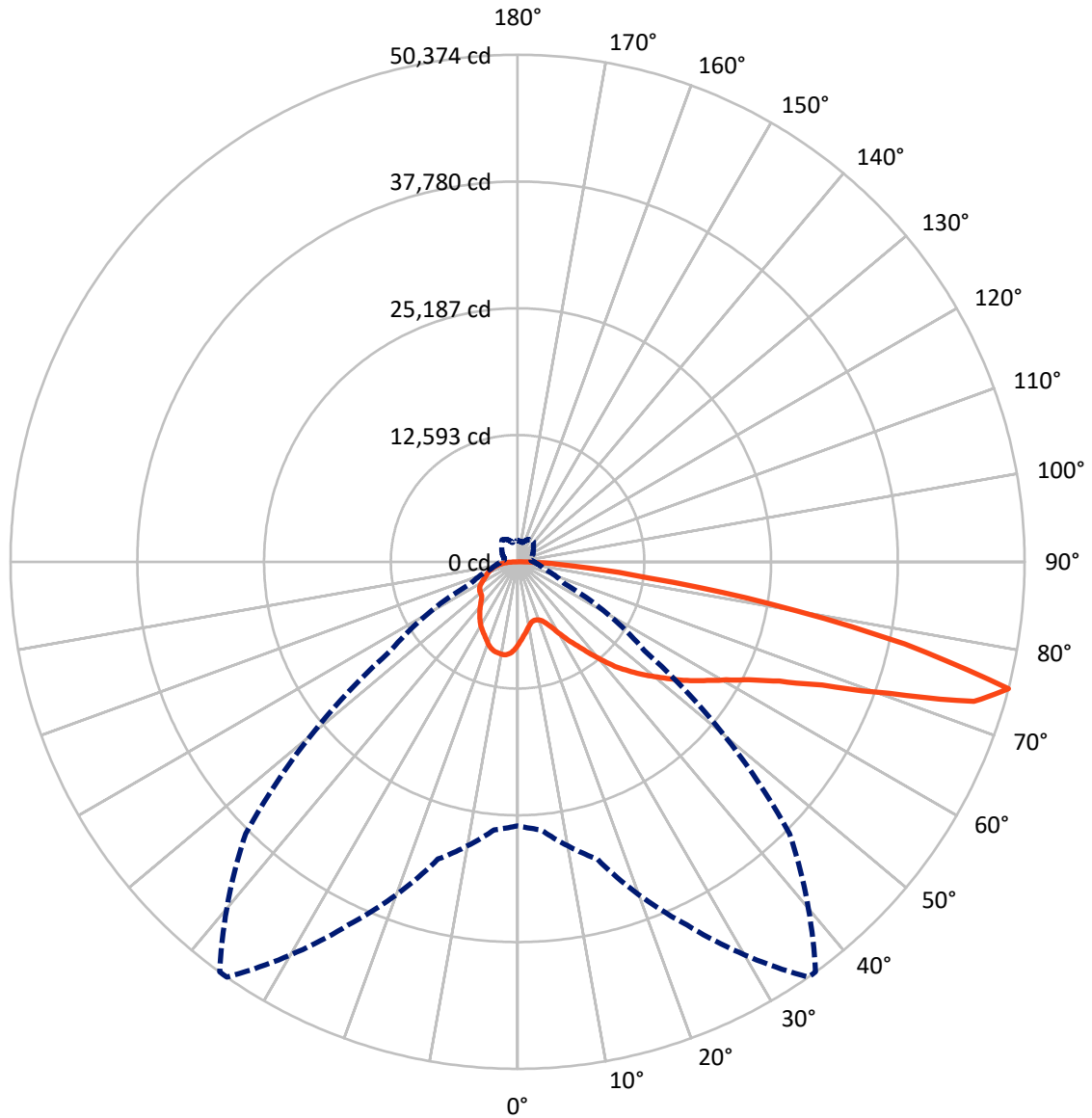
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 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
House Side	Lumens	14707.8	0.0	14707.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	47096.2	0.0	47096.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	61804.0	0.0	61804.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.8	1.3
10°-20°	2249.2	3.6
20°-30°	3777.0	6.1
30°-40°	5869.9	9.5
40°-50°	8712.5	14.1
50°-60°	12028.2	19.5
60°-70°	14592.9	23.6
70°-80°	12059.9	19.5
80°-90°	1734.6	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°	61804.0	100.0
0°-180°	61804.0	100.0

Coefficient of Utilization



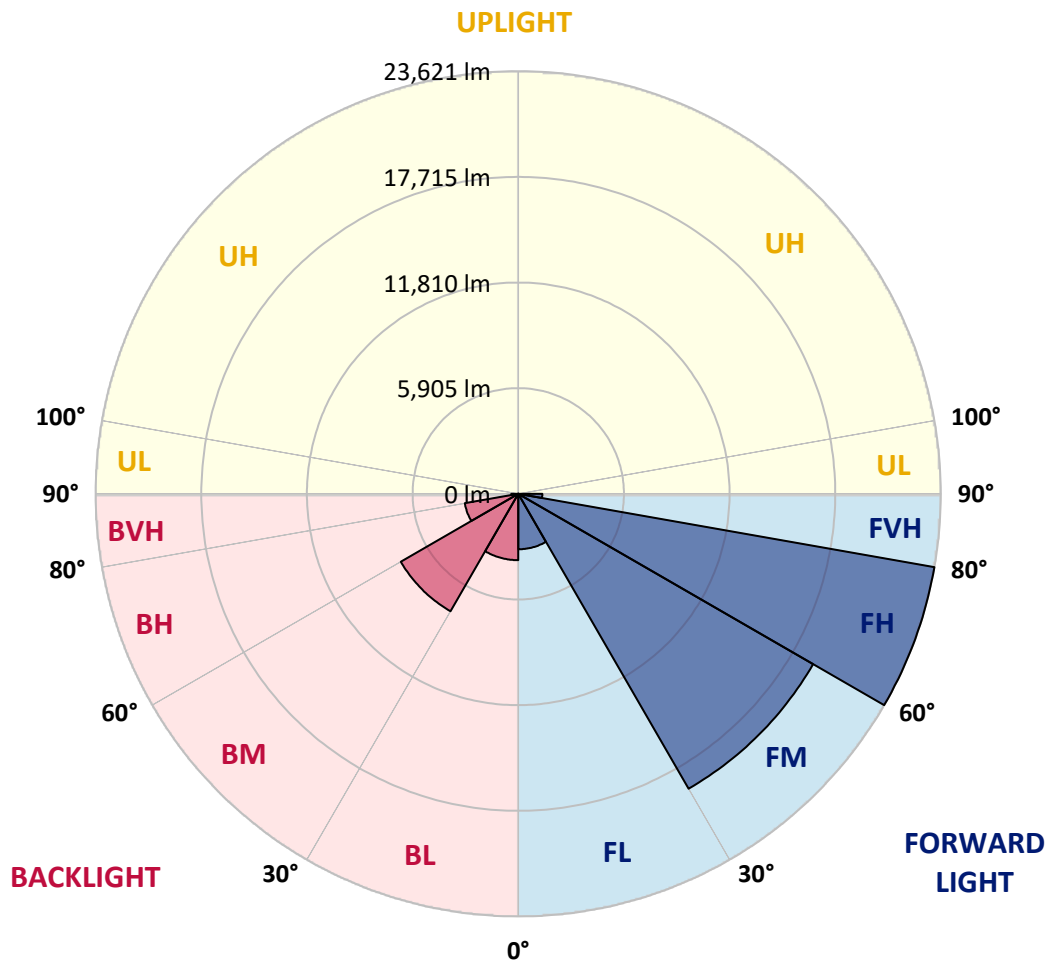
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3099.3	5.0			
FM (30°-60°)	19032.3	30.8			
FH (60°-80°)	23620.6	38.2			G5
FVH (80°-90°)	1344.0	2.2			G5
BL (0°-30°)	3706.6	6.0	B4/5000		
BM (30°-60°)	7578.4	12.3	B4/8500		
BH (60°-80°)	3032.3	4.9	B4/5000		G4/5000
BVH (80°-90°)	390.6	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8
2.5°	7594.3	7641.1	7661.1	7651.1	7701.2	7694.5	7764.7	7851.6	7971.9	8088.8
5°	7009.6	7059.7	7103.2	7143.3	7240.2	7270.2	7380.5	7547.5	7768.0	7991.9
7.5°	6465.0	6508.5	6575.3	6648.8	6812.5	6842.6	7026.3	7286.9	7594.3	7921.7
10°	6020.7	6064.1	6134.3	6217.8	6421.6	6458.3	6692.2	7039.7	7440.6	7854.9
12.5°	5830.2	5843.6	5883.7	5967.2	6144.3	6167.7	6424.9	6822.5	7290.3	7804.8
15°	5820.2	5846.9	5850.3	5893.7	6040.7	6050.7	6287.9	6682.2	7196.7	7794.8
17.5°	5920.4	5940.5	5910.4	5937.1	6060.7	6077.5	6264.6	6615.4	7166.7	7838.2
20°	6187.7	6204.4	6114.2	6077.5	6167.7	6181.0	6364.8	6658.8	7196.7	7928.4
22.5°	6755.7	6765.7	6545.2	6394.9	6401.5	6408.2	6568.6	6835.9	7313.7	8092.1
25°	7641.1	7634.4	7283.6	6992.9	6825.9	6789.1	6896.0	7123.2	7510.8	8309.3
27.5°	8676.8	8626.7	8275.9	7841.6	7477.4	7423.9	7400.5	7497.4	7791.4	8596.6
30°	9846.2	9799.4	9421.9	8853.9	8349.4	8262.5	8042.0	7991.9	8209.1	8987.5
32.5°	11129.2	11099.1	10648.1	9959.8	9284.9	9184.7	8813.8	8680.2	8850.6	9578.9
35°	12205.0	12178.3	11804.1	11095.8	10270.5	10146.9	9769.4	9619.0	9705.9	10337.4
37.5°	13177.3	13163.9	12843.2	12285.2	11433.2	11282.9	10858.6	10808.4	10791.7	11336.3
40°	14079.4	14046.0	13711.9	13417.8	12786.4	12649.4	12275.2	12231.8	12104.8	12565.9
42.5°	15078.4	14991.5	14507.0	14370.1	14199.7	14086.1	13862.2	13868.9	13588.2	13952.4
45°	15893.6	15843.5	15345.7	15265.5	15449.2	15402.5	15596.2	15646.4	15101.8	15405.8
47.5°	16769.0	16722.2	16301.2	16244.4	16742.2	16755.6	17440.5	17457.2	16578.5	16916.0
50°	17848.1	17781.3	17363.7	17433.8	17991.8	18041.9	19294.8	19181.2	17938.3	18449.5
52.5°	18559.8	18599.9	18509.7	18623.3	19385.0	19431.8	21119.1	20828.4	19284.8	19963.0
55°	19084.3	19164.5	19445.2	19705.8	20855.1	20901.9	22839.7	22395.4	20400.7	21366.3
57.5°	19759.2	19645.6	20170.2	20678.0	22251.7	22375.3	24513.6	23905.5	21389.7	22575.8
60°	20728.2	20648.0	21055.6	21807.3	23815.3	24012.5	26284.4	25265.4	22114.7	23534.7
62.5°	22692.7	22492.3	22555.7	23220.6	25786.6	26047.2	28282.4	26451.5	22475.6	23908.9
65°	25629.5	25285.4	24964.7	25425.7	28563.0	28820.3	30537.6	27383.6	22341.9	23183.9
67.5°	29328.1	28987.3	28593.1	29027.4	32652.5	32856.3	33320.7	27908.2	21289.5	20390.7
70°	32378.6	32251.6	32722.7	34510.2	39184.4	39191.1	36889.0	27473.8	18406.1	14456.9
72.5°	31974.3	31897.4	34379.9	39906.0	47416.8	47239.8	40266.9	24186.2	12398.8	6521.8
75°	26230.9	26728.8	30574.4	39809.2	50373.7	50350.3	38198.7	15375.7	5128.6	2702.9
77.5°	14066.0	14854.5	19849.4	29391.6	39324.7	39916.1	26855.7	5379.2	2201.8	1730.7
80°	4587.3	5275.6	7911.7	14964.8	25552.7	25442.4	11510.1	2111.6	1506.8	1226.2
82.5°	1947.9	2028.0	3534.9	7066.4	13113.8	12910.0	3665.2	1212.8	1059.1	838.6
85°	761.8	852.0	1560.3	3267.6	5679.9	5556.2	1323.1	601.4	678.2	547.9
87.5°	250.6	304.0	558.0	1119.3	1767.4	1704.0	324.1	207.1	294.0	250.6
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°
8235.8	0°	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8	8235.8
8259.2	2.5°	8306.0	8359.4	8422.9	8516.5	8596.6	8663.5	8733.6	8777.1	8793.8	8843.9
8272.6	5°	8366.1	8483.0	8640.1	8793.8	8944.1	9034.3	9114.5	9154.6	9191.4	9218.1
8309.3	7.5°	8466.3	8616.7	8863.9	9064.4	9191.4	9264.9	9318.3	9305.0	9318.3	9325.0
8349.4	10°	8553.2	8763.7	9057.7	9248.2	9345.0	9348.4	9335.0	9288.2	9264.9	9268.2
8409.5	12.5°	8656.8	8890.7	9208.1	9368.4	9395.2	9321.7	9264.9	9184.7	9154.6	9141.2
8499.7	15°	8797.1	9064.4	9371.8	9431.9	9365.1	9271.5	9174.6	9044.3	8977.5	8924.1
8653.4	17.5°	8967.5	9261.5	9498.7	9455.3	9311.6	9157.9	9000.9	8803.8	8666.8	8610.0
8863.9	20°	9204.7	9468.7	9595.6	9405.2	9188.0	8954.1	8686.8	8446.3	8319.3	8262.5
9131.2	22.5°	9492.1	9746.0	9689.2	9318.3	9010.9	8636.7	8302.6	8125.5	8062.1	8022.0
9475.3	25°	9836.2	10053.4	9756.0	9191.4	8720.3	8215.8	7958.5	7901.7	7871.6	7841.6
9896.3	27.5°	10283.9	10400.8	9806.1	9004.3	8265.9	7768.0	7674.5	7684.5	7674.5	7624.4
10481.0	30°	10875.3	10851.9	9852.9	8700.2	7744.7	7363.8	7370.5	7413.9	7420.6	7387.2
11296.2	32.5°	11653.7	11416.5	9876.3	8306.0	7246.8	7009.6	7016.3	7063.1	7096.5	7039.7
12362.1	35°	12595.9	12074.7	9839.5	7811.5	6862.6	6672.2	6622.1	6635.4	6645.4	6592.0
13655.1	37.5°	13695.2	12813.1	9675.8	7263.5	6545.2	6341.4	6234.5	6144.3	6090.8	6040.7
15118.5	40°	14901.3	13618.3	9375.1	6729.0	6191.1	5990.6	5830.2	5659.8	5479.4	5412.6
16668.7	42.5°	16164.2	14446.9	9010.9	6217.8	5783.4	5619.7	5449.3	5202.1	4931.5	4794.5
18279.1	45°	17473.9	15295.5	8653.4	5713.3	5365.8	5295.6	5098.5	4801.2	4507.1	4333.4
19892.9	47.5°	18756.9	16097.4	8128.9	5205.4	4974.9	5051.7	4898.0	4624.1	4296.6	4022.7
21493.3	50°	19983.1	16849.1	7270.2	4690.9	4657.5	4978.2	4831.2	4437.0	4062.8	3712.0
23063.6	52.5°	21199.3	17457.2	6171.0	4223.1	4487.1	4958.2	4744.4	4310.0	3852.3	3484.8
24540.3	55°	22231.7	17771.3	5111.9	3822.2	4239.9	4787.8	4640.8	4159.7	3554.9	3164.0
25552.7	57.5°	22819.7	17517.4	4229.8	3428.0	3899.1	4507.1	4463.7	3838.9	3200.8	2900.1
25749.8	60°	22565.8	16488.3	3508.2	3083.8	3575.0	4203.1	4156.3	3521.5	2930.1	2646.1
24694.0	62.5°	21165.8	14527.1	2936.8	2783.1	3281.0	3892.4	3848.9	3277.6	2723.0	2449.0
21890.9	65°	18346.0	11817.5	2492.5	2532.6	2983.6	3518.2	3581.7	3073.8	2559.3	2292.0
16936.0	67.5°	13992.5	8559.9	2145.0	2315.4	2692.9	3150.7	3334.4	2926.8	2422.3	2168.4
9799.4	70°	7975.2	4861.3	1851.0	2104.9	2435.7	2809.9	3144.0	2809.9	2275.3	2064.8
3671.9	72.5°	3023.7	2231.9	1600.4	1894.4	2188.4	2522.5	2933.5	2626.1	2104.9	1947.9
1897.7	75°	1613.7	1359.8	1346.5	1647.2	1904.4	2241.9	2669.5	2445.7	1977.9	2058.1
1313.1	77.5°	1099.2	962.2	1125.9	1409.9	1593.7	1931.2	2388.9	2171.7	1714.0	1707.3
908.8	80°	761.8	681.6	915.5	1136.0	1232.9	1623.8	2084.8	1864.3	1396.6	1303.0
561.3	82.5°	457.7	444.4	684.9	848.6	872.0	1252.9	1727.3	1563.6	1142.7	995.6
334.1	85°	250.6	263.9	437.7	497.8	507.8	875.4	1353.1	1209.5	878.7	738.4
120.3	87.5°	70.2	90.2	160.4	197.1	243.9	454.4	805.2	718.3	441.0	307.4
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°
8235.8
8840.5
9224.8
9335.0
9274.9
9134.6
8940.8
8613.3
8255.8
8028.7
7841.6
7634.4
7403.9
7066.4
6628.7
6074.1
5442.6
4811.2
4320.0
3992.6
3681.9
3444.7
3130.6
2860.0
2606.1
2405.6
2248.6
2128.3
2038.1
1921.1
2124.9
1573.7
1246.2
1002.3
745.1
307.4
0.0

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