

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: P853224

Luminaire Tested: **GLAN-SB9C-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45931 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

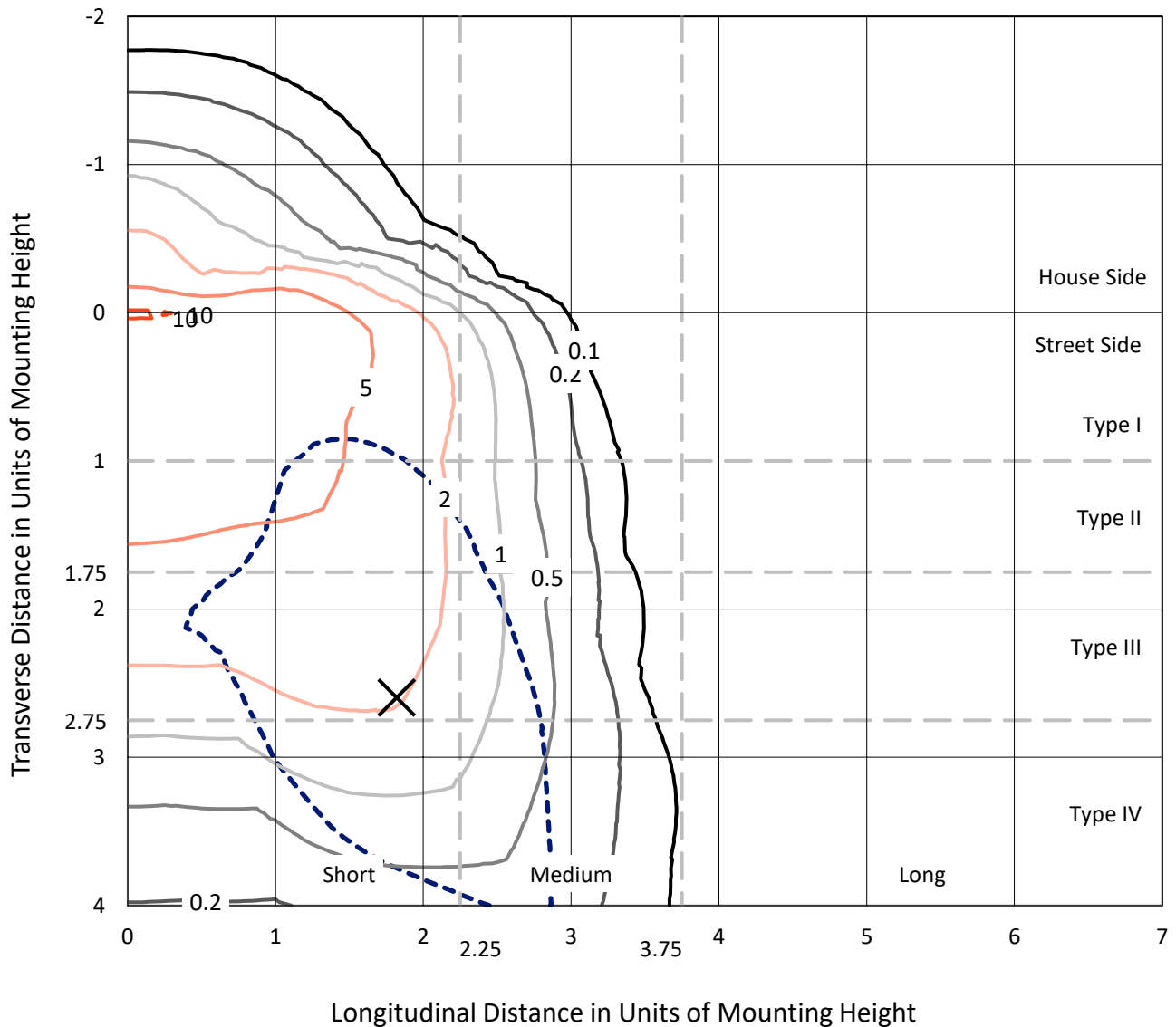
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

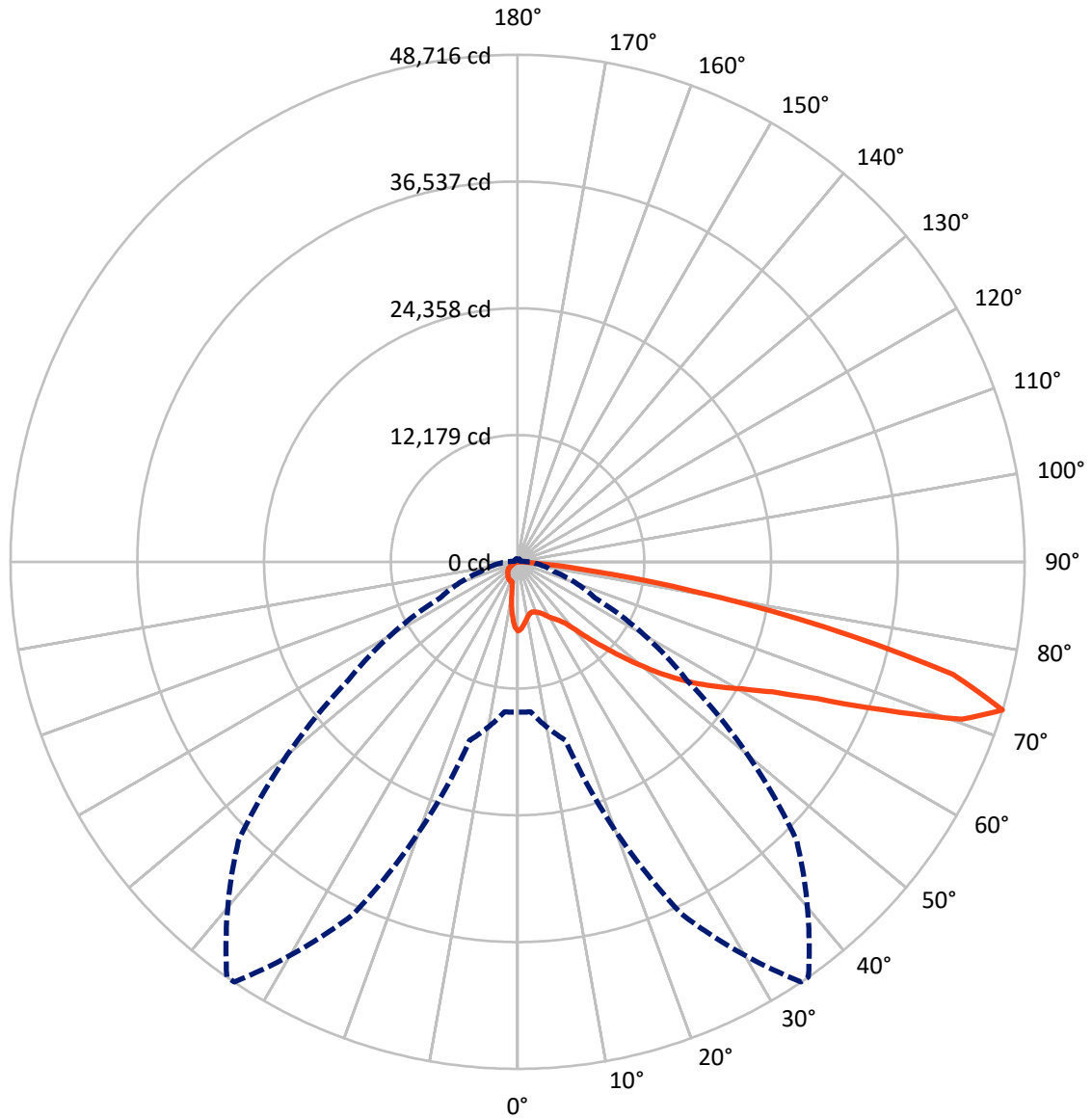
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5169.3	0.0	5169.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	40761.7	0.0	40761.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	45931.0	0.0	45931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.0	1.2
10°-20°	1279.7	2.8
20°-30°	2078.8	4.5
30°-40°	3468.5	7.6
40°-50°	6562.5	14.3
50°-60°	10427.8	22.7
60°-70°	12899.9	28.1
70°-80°	8018.7	17.5
80°-90°	648.0	1.4
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°	45931.0	100.0
0°-180°	45931.0	100.0

Coefficient of Utilization

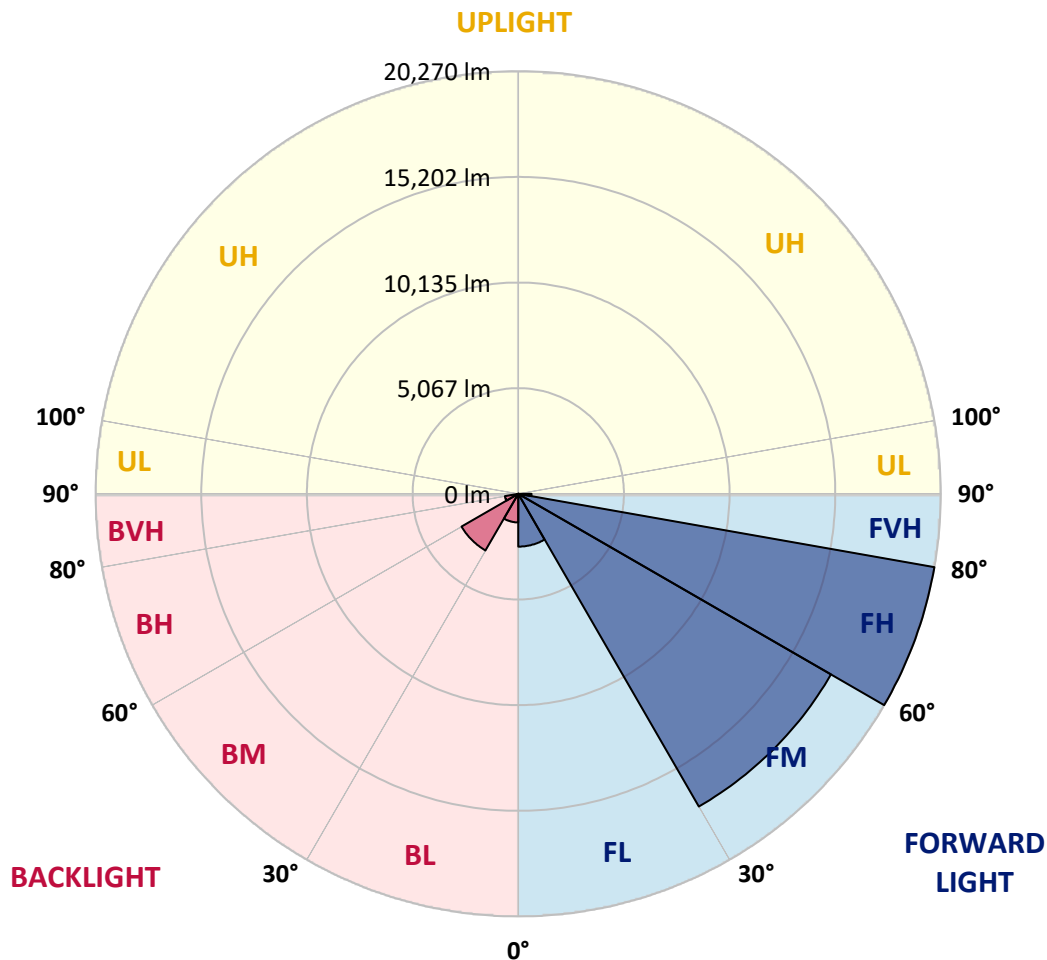


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2532.0	5.5			
FM (30°-60°)	17320.6	37.7			
FH (60°-80°)	20269.9	44.1			G5
FVH (80°-90°)	639.2	1.4			G4/750
BL (0°-30°)	1373.6	3.0	B3/2500		
BM (30°-60°)	3138.2	6.8	B3/5000		
BH (60°-80°)	648.7	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9
2.5°	6360.8	6414.6	6424.7	6441.6	6441.6	6461.7	6495.4	6542.5	6619.9	6660.3
5°	5862.7	5903.1	5953.6	5993.9	6071.3	6081.4	6212.7	6340.6	6519.0	6653.6
7.5°	5361.2	5408.3	5475.7	5573.3	5674.2	5704.5	5903.1	6118.5	6401.2	6653.6
10°	5007.9	5011.2	5071.8	5169.4	5330.9	5368.0	5610.3	5916.5	6269.9	6613.2
12.5°	4809.3	4832.8	4859.8	4933.8	5088.6	5112.2	5371.3	5731.4	6138.7	6589.6
15°	4809.3	4826.1	4842.9	4880.0	5004.5	5024.7	5253.5	5613.6	6071.3	6599.7
17.5°	4859.8	4886.7	4873.2	4917.0	5048.2	5061.7	5263.6	5580.0	6068.0	6663.7
20°	4980.9	5001.1	4974.2	5001.1	5132.4	5159.3	5368.0	5643.9	6125.2	6774.7
22.5°	5172.8	5182.9	5118.9	5139.1	5273.7	5307.4	5549.7	5825.7	6263.2	6953.1
25°	5415.1	5435.3	5337.7	5361.2	5489.1	5529.5	5808.8	6098.3	6481.9	7198.8
27.5°	5694.4	5704.5	5620.4	5617.0	5781.9	5839.1	6121.8	6434.8	6774.7	7508.4
30°	6014.1	6044.4	5963.7	5950.2	6158.8	6206.0	6485.3	6848.8	7205.5	7972.8
32.5°	6266.5	6290.1	6243.0	6276.6	6488.7	6525.7	6926.2	7434.4	7882.0	8632.5
35°	6630.0	6643.5	6535.8	6596.4	6838.7	6932.9	7528.6	8255.6	8733.5	9460.4
37.5°	7945.9	7945.9	7488.2	7188.7	7420.9	7505.0	8353.1	9288.8	9783.5	10571.0
40°	9766.7	9736.4	9066.6	8454.1	8423.8	8588.7	9527.7	10591.2	11139.8	11903.7
42.5°	11708.5	11661.4	10749.4	10143.6	10042.6	10099.8	10884.0	12196.5	12755.2	13529.3
45°	13431.7	13418.2	12583.6	11769.1	11587.4	11769.1	12576.8	14074.5	14475.0	15289.4
47.5°	14875.5	14875.5	14266.3	13734.6	13640.3	13748.0	14868.7	16157.7	16120.7	17164.0
50°	16538.0	16524.6	15945.7	15716.8	15814.4	15965.9	17507.3	18352.0	17823.6	19004.9
52.5°	17702.5	17783.3	17584.7	17547.7	18045.8	18308.3	20186.2	20499.2	19348.2	20751.6
55°	18624.6	18718.9	18947.7	19206.9	20166.0	20509.3	22781.0	22535.3	20623.7	22266.1
57.5°	19930.4	19795.8	20149.2	20660.8	22212.2	22626.2	25295.0	24457.0	21650.2	23494.5
60°	21515.6	21535.8	21596.4	22242.5	24255.1	24786.8	27772.0	26274.4	22309.8	24248.4
62.5°	23420.5	23450.7	23575.3	24568.1	26998.0	27499.4	30410.6	27761.9	22612.7	24036.3
65°	23289.2	23417.1	24807.0	28202.8	31167.8	31662.5	33490.0	28805.2	22155.0	22097.8
67.5°	21216.1	21424.7	23750.3	32544.3	37454.6	38006.5	37212.2	29010.5	20179.5	17184.2
70°	18496.7	18570.8	21367.5	36448.3	44734.1	45292.8	40544.1	26752.3	15313.0	9584.9
72.5°	14444.7	14461.5	17742.9	37353.6	48685.2	48715.5	37929.1	19859.8	8235.4	3681.8
75°	10318.6	10217.6	11883.5	30292.8	42832.6	43175.9	28435.0	9315.7	3146.7	1740.0
77.5°	5532.9	5643.9	6724.3	17965.0	29589.4	30175.0	15514.9	2685.7	1602.0	1184.7
80°	1709.7	1803.9	2756.3	8225.3	16760.1	17113.5	5751.6	1194.7	1117.3	844.7
82.5°	538.5	558.7	1285.6	3456.4	6956.5	7118.0	1665.9	676.5	764.0	558.7
85°	154.8	158.2	572.1	1289.0	1719.8	1753.4	467.8	262.5	437.5	346.6
87.5°	16.8	53.8	215.4	215.4	151.4	148.1	50.5	57.2	124.5	43.8
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°
6656.9	0°	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9	6656.9
6687.2	2.5°	6670.4	6673.8	6630.0	6556.0	6475.2	6407.9	6323.8	6256.4	6209.3	6195.9
6747.8	5°	6717.5	6694.0	6569.4	6344.0	6074.7	5842.5	5583.4	5378.1	5243.4	5186.2
6811.8	7.5°	6788.2	6720.9	6448.3	6004.0	5489.1	5031.4	4567.0	4206.9	3978.0	3863.6
6872.3	10°	6848.8	6714.2	6246.4	5512.7	4725.1	4031.9	3405.9	2971.7	2729.4	2615.0
6943.0	12.5°	6906.0	6710.8	5983.8	4930.4	3863.6	3015.5	2433.3	2217.9	2150.5	2127.0
7057.4	15°	7013.7	6720.9	5654.0	4264.1	3005.4	2278.4	2066.4	2063.0	2076.5	2069.8
7232.4	17.5°	7161.8	6731.0	5280.5	3557.3	2318.8	2009.2	1999.1	2029.4	2049.6	2039.5
7451.2	20°	7353.6	6771.4	4883.3	2857.3	1992.4	1941.9	1965.4	1992.4	2009.2	1992.4
7744.0	22.5°	7622.8	6842.0	4449.2	2295.3	1888.0	1901.5	1921.7	1952.0	1968.8	1945.3
8117.6	25°	7952.7	6953.1	4021.8	1995.7	1837.6	1854.4	1884.7	1918.3	1938.5	1915.0
8588.7	27.5°	8380.1	7131.5	3628.0	1928.4	1787.1	1797.2	1840.9	1891.4	1918.3	1888.0
9258.5	30°	8999.3	7424.3	3288.1	1958.7	1756.8	1733.2	1793.8	1864.5	1894.8	1867.8
10170.5	32.5°	9820.5	7838.2	3079.4	2005.8	1743.3	1659.2	1716.4	1807.3	1857.8	1840.9
11361.9	35°	10897.5	8467.6	2998.7	2059.7	1733.2	1581.8	1622.2	1719.8	1807.3	1824.1
12862.9	37.5°	12203.3	9342.6	3022.2	2083.2	1702.9	1517.8	1538.0	1622.2	1736.6	1790.4
14552.4	40°	13687.5	10362.3	3156.8	2059.7	1669.3	1464.0	1467.4	1531.3	1632.3	1713.0
16369.7	42.5°	15218.8	11553.7	3405.9	1972.2	1639.0	1416.9	1406.8	1450.5	1517.8	1575.0
18183.7	45°	16676.0	12778.8	3651.6	1851.0	1602.0	1369.8	1346.2	1363.0	1376.5	1400.0
19950.6	47.5°	17948.2	13640.3	3580.9	1740.0	1551.5	1315.9	1275.5	1268.8	1228.4	1225.0
21529.0	50°	18826.6	13828.8	3180.4	1628.9	1477.5	1255.3	1191.4	1151.0	1080.3	1046.7
22710.3	52.5°	19105.9	13085.0	2598.2	1517.8	1356.3	1174.6	1083.7	1019.7	932.2	902.0
23390.2	55°	18735.7	11627.8	2076.5	1383.2	1188.0	1066.9	965.9	881.8	811.1	774.1
23464.2	57.5°	17830.4	9773.4	1642.4	1225.0	1009.6	945.7	844.7	760.6	700.0	663.0
22643.0	60°	16329.4	7760.8	1299.1	1036.6	861.6	814.4	710.1	656.3	602.4	558.7
20522.8	62.5°	14050.9	5539.6	1019.7	821.2	720.2	666.4	605.8	565.4	501.5	440.9
16709.7	65°	10964.8	3389.0	787.5	602.4	578.9	551.9	514.9	477.9	400.5	339.9
10900.8	67.5°	6916.1	1605.3	562.0	454.3	457.7	444.2	427.4	397.1	339.9	286.1
4883.3	70°	3045.8	777.4	370.2	346.6	339.9	339.9	353.4	343.3	289.4	238.9
1696.2	72.5°	1036.6	417.3	276.0	262.5	245.7	242.3	296.2	286.1	232.2	185.1
844.7	75°	541.8	279.3	201.9	188.5	148.1	178.4	235.6	222.1	164.9	121.2
558.7	77.5°	353.4	198.6	138.0	121.2	84.1	117.8	175.0	154.8	97.6	60.6
366.8	80°	222.1	131.3	80.8	57.2	40.4	63.9	94.2	67.3	37.0	13.5
215.4	82.5°	117.8	67.3	30.3	20.2	16.8	20.2	23.6	16.8	6.7	0.0
111.1	85°	47.1	23.6	10.1	6.7	3.4	0.0	6.7	3.4	0.0	0.0
20.2	87.5°	16.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
6656.9
6219.4
5206.4
3880.4
2618.4
2120.3
2066.4
2036.1
1989.0
1941.9
1911.6
1888.0
1864.5
1840.9
1824.1
1803.9
1740.0
1598.6
1413.5
1221.7
1050.0
898.6
774.1
656.3
548.6
430.8
329.8
279.3
228.9
175.0
111.1
53.8
10.1
0.0
0.0
0.0
0.0

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