

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: P852700

Luminaire Tested: **GLAN-SB5D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852700
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-SB5D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 900mA 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: 38192 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

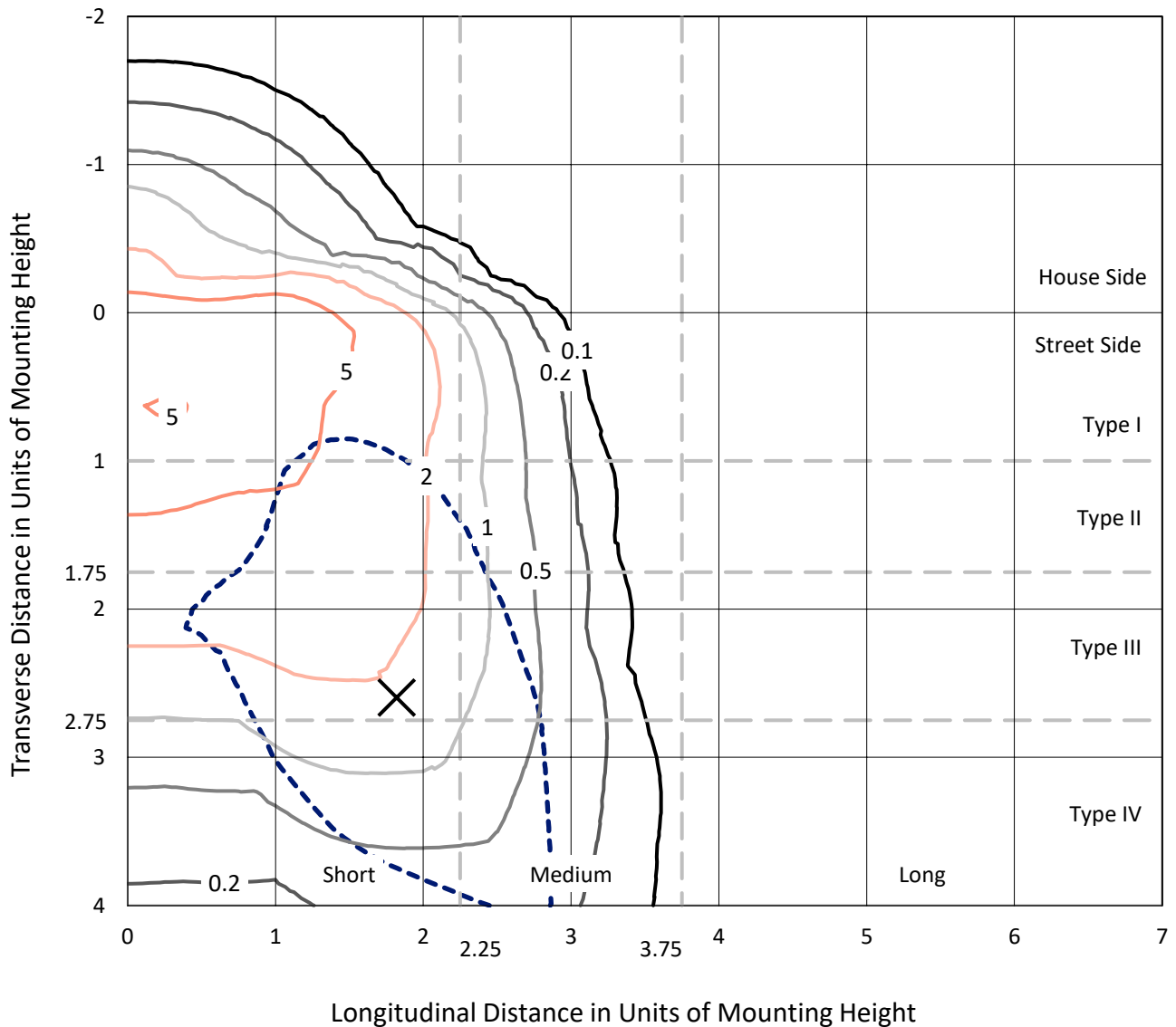
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

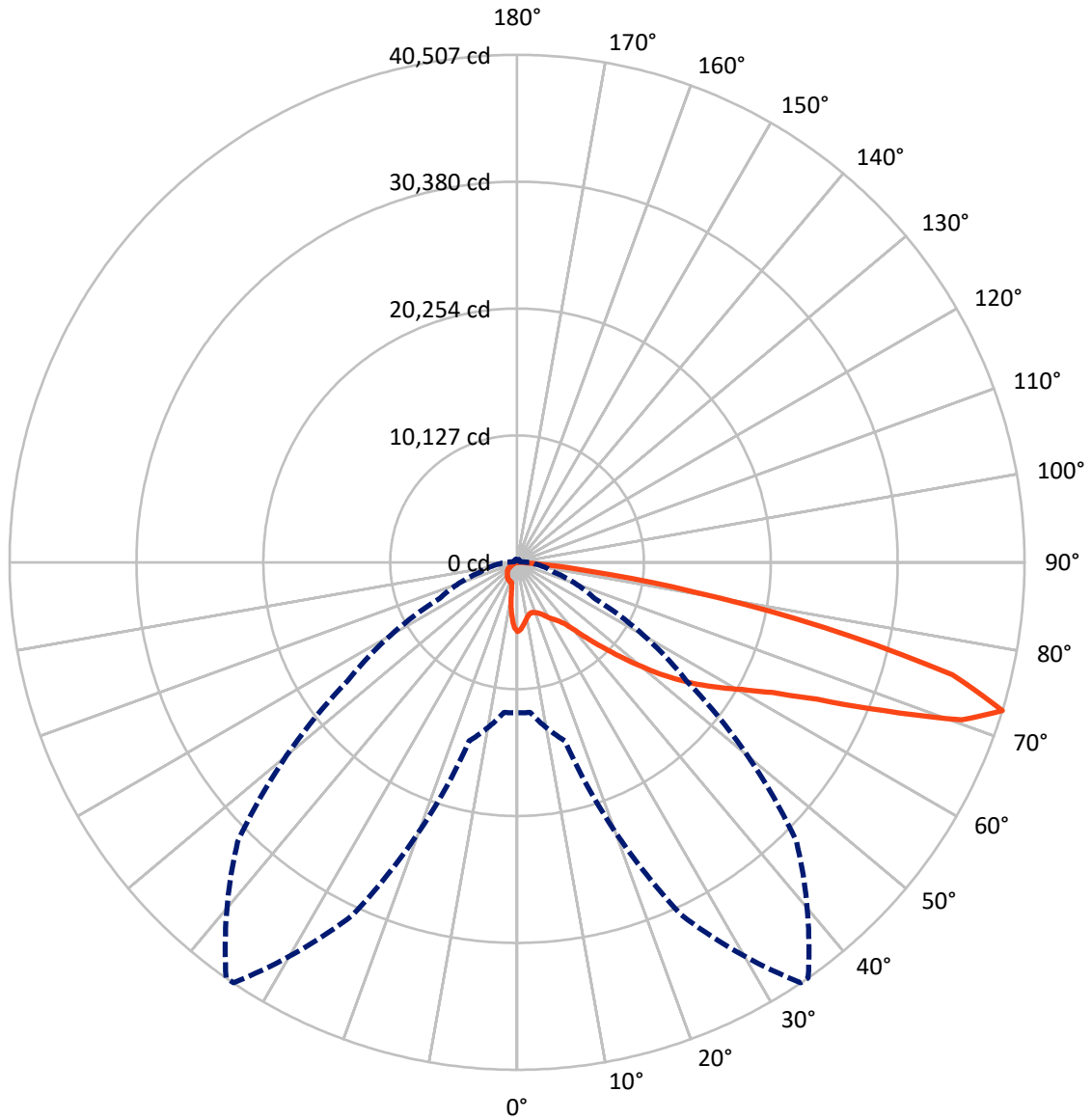
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	4298.3	0.0	4298.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	33893.7	0.0	33893.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	38192.0	0.0	38192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.9	1.2
10°-20°	1064.1	2.8
20°-30°	1728.6	4.5
30°-40°	2884.1	7.6
40°-50°	5456.8	14.3
50°-60°	8670.8	22.7
60°-70°	10726.4	28.1
70°-80°	6667.6	17.5
80°-90°	538.8	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°	38192.0	100.0
0°-180°	38192.0	100.0

Coefficient of Utilization



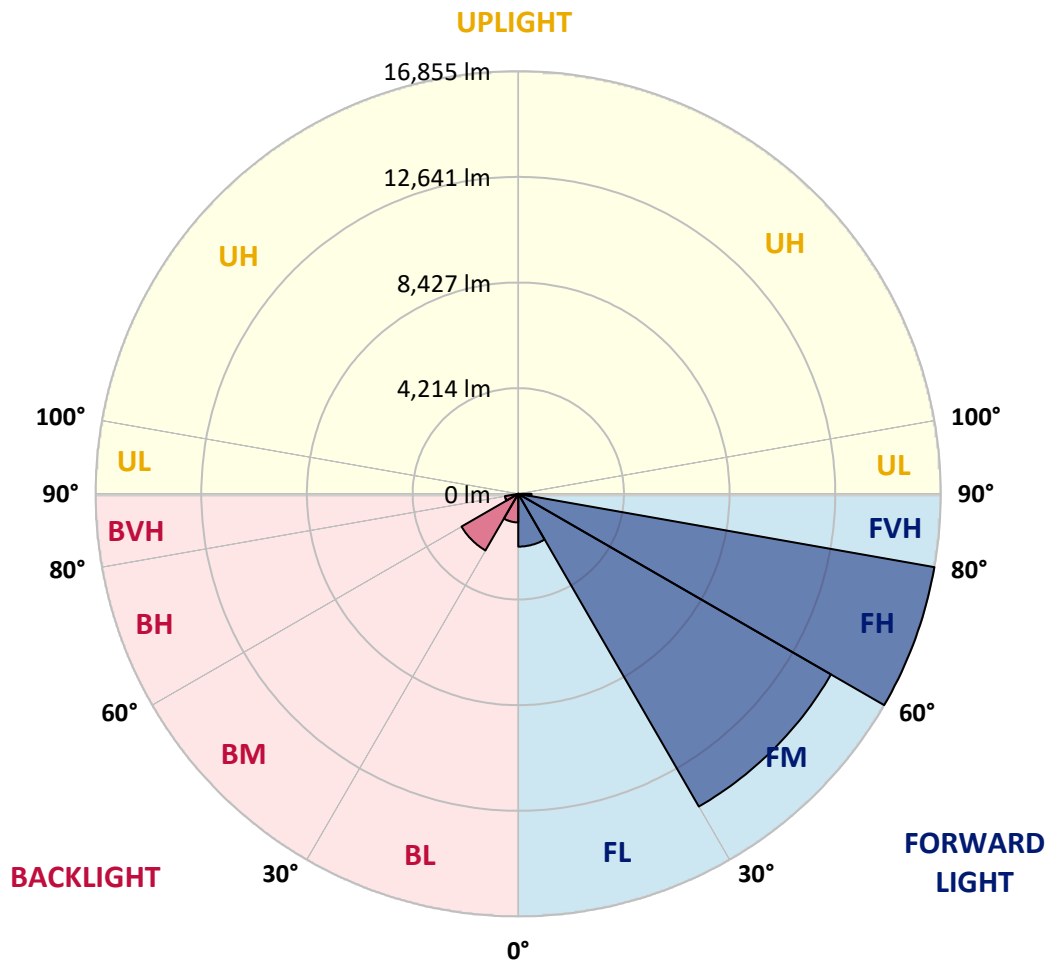
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2105.3	5.5			
FM (30°-60°)	14402.2	37.7			
FH (60°-80°)	16854.6	44.1			G5
FVH (80°-90°)	531.5	1.4			G4/750
BL (0°-30°)	1142.1	3.0	B3/2500		
BM (30°-60°)	2609.5	6.8	B3/5000		
BH (60°-80°)	539.4	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.3	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°	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3
2.5°	5289.0	5333.8	5342.2	5356.2	5356.2	5373.0	5401.0	5440.2	5504.5	5538.1
5°	4874.9	4908.5	4950.4	4984.0	5048.4	5056.8	5165.9	5272.2	5420.6	5532.5
7.5°	4457.9	4497.1	4553.1	4634.2	4718.2	4743.3	4908.5	5087.6	5322.6	5532.5
10°	4164.1	4166.9	4217.2	4298.4	4432.7	4463.5	4665.0	4919.6	5213.5	5498.9
12.5°	3999.0	4018.6	4040.9	4102.5	4231.2	4250.8	4466.3	4765.7	5104.3	5479.3
15°	3999.0	4013.0	4026.9	4057.7	4161.3	4178.1	4368.4	4667.8	5048.4	5487.7
17.5°	4040.9	4063.3	4052.1	4088.5	4197.7	4208.8	4376.7	4639.8	5045.6	5540.9
20°	4141.7	4158.5	4136.1	4158.5	4267.6	4290.0	4463.5	4693.0	5093.1	5633.2
22.5°	4301.2	4309.6	4256.4	4273.2	4385.1	4413.1	4614.6	4844.1	5207.9	5781.6
25°	4502.7	4519.5	4438.3	4457.9	4564.2	4597.8	4830.1	5070.8	5389.8	5985.8
27.5°	4734.9	4743.3	4673.4	4670.6	4807.7	4855.3	5090.4	5350.6	5633.2	6243.3
30°	5000.8	5026.0	4958.8	4947.6	5121.1	5160.3	5392.6	5694.8	5991.4	6629.5
32.5°	5210.7	5230.3	5191.1	5219.1	5395.4	5426.2	5759.2	6181.7	6553.9	7178.0
35°	5512.9	5524.1	5434.6	5484.9	5686.4	5764.8	6260.1	6864.6	7261.9	7866.4
37.5°	6607.1	6607.1	6226.5	5977.5	6170.5	6240.5	6945.7	7723.7	8135.0	8789.9
40°	8121.1	8095.9	7539.0	7029.7	7004.5	7141.6	7922.4	8806.7	9262.8	9898.1
42.5°	9735.7	9696.6	8938.2	8434.5	8350.5	8398.1	9050.1	10141.5	10606.1	11249.7
45°	11168.5	11157.4	10463.3	9786.1	9635.0	9786.1	10457.7	11703.0	12036.1	12713.3
47.5°	12369.1	12369.1	11862.6	11420.4	11342.1	11431.6	12363.5	13435.3	13404.5	14272.0
50°	13751.5	13740.3	13259.0	13068.7	13149.8	13275.8	14557.5	15259.9	14820.5	15802.8
52.5°	14719.8	14786.9	14621.8	14591.0	15005.2	15223.5	16785.0	17045.3	16088.2	17255.1
55°	15486.5	15564.9	15755.2	15970.7	16768.2	17053.7	18942.6	18738.3	17148.8	18514.4
57.5°	16572.3	16460.4	16754.2	17179.6	18469.7	18813.9	21033.0	20336.2	18002.3	19535.9
60°	17890.4	17907.2	17957.5	18494.8	20168.3	20610.5	23092.7	21847.4	18550.8	20162.7
62.5°	19474.3	19499.5	19603.0	20428.6	22449.0	22866.0	25286.6	23084.3	18802.7	19986.4
65°	19365.2	19471.5	20627.3	23450.9	25916.3	26327.7	27847.2	23951.8	18422.1	18374.5
67.5°	17641.3	17814.8	19748.5	27060.9	31143.8	31602.7	30942.3	24122.5	16779.4	14288.8
70°	15380.2	15441.8	17767.3	30307.0	37196.8	37661.3	33712.7	22244.7	12732.9	7969.9
72.5°	12010.9	12024.9	14753.3	31059.8	40482.1	40507.3	31538.3	16513.6	6847.8	3061.5
75°	8580.0	8496.0	9881.3	25188.7	35615.7	35901.1	23644.0	7746.1	2616.5	1446.8
77.5°	4600.6	4693.0	5591.3	14938.0	24603.8	25090.8	12900.8	2233.1	1332.1	985.0
80°	1421.6	1500.0	2291.9	6839.4	13936.2	14230.0	4782.5	993.4	929.1	702.4
82.5°	447.7	464.5	1069.0	2874.0	5784.4	5918.7	1385.2	562.5	635.2	464.5
85°	128.7	131.5	475.7	1071.8	1430.0	1458.0	389.0	218.3	363.8	288.2
87.5°	14.0	44.8	179.1	179.1	125.9	123.1	42.0	47.6	103.5	36.4
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°
5535.3	0°	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3	5535.3
5560.5	2.5°	5546.5	5549.3	5512.9	5451.3	5384.2	5328.2	5258.3	5202.3	5163.1	5151.9
5610.9	5°	5585.7	5566.1	5462.5	5275.0	5051.2	4858.1	4642.6	4471.9	4360.0	4312.4
5664.0	7.5°	5644.4	5588.5	5361.8	4992.4	4564.2	4183.7	3797.5	3498.0	3307.7	3212.6
5714.4	10°	5694.8	5582.9	5193.9	4583.8	3929.0	3352.5	2832.0	2471.0	2269.5	2174.4
5773.2	12.5°	5742.4	5580.1	4975.6	4099.7	3212.6	2507.4	2023.3	1844.2	1788.2	1768.6
5868.3	15°	5831.9	5588.5	4701.4	3545.6	2499.0	1894.5	1718.2	1715.4	1726.6	1721.0
6013.8	17.5°	5955.1	5596.9	4390.7	2957.9	1928.1	1670.7	1662.3	1687.5	1704.2	1695.9
6195.7	20°	6114.6	5630.4	4060.5	2375.9	1656.7	1614.7	1634.3	1656.7	1670.7	1656.7
6439.2	22.5°	6338.5	5689.2	3699.5	1908.5	1569.9	1581.1	1597.9	1623.1	1637.1	1617.5
6749.8	25°	6612.7	5781.6	3344.1	1659.5	1527.9	1541.9	1567.1	1595.1	1611.9	1592.3
7141.6	27.5°	6968.1	5929.9	3016.7	1603.5	1486.0	1494.4	1530.7	1572.7	1595.1	1569.9
7698.5	30°	7483.0	6173.3	2734.1	1628.7	1460.8	1441.2	1491.6	1550.3	1575.5	1553.1
8456.9	32.5°	8165.8	6517.6	2560.6	1667.9	1449.6	1379.6	1427.2	1502.8	1544.7	1530.7
9447.5	35°	9061.3	7040.9	2493.4	1712.6	1441.2	1315.3	1348.8	1430.0	1502.8	1516.8
10695.6	37.5°	10147.1	7768.5	2513.0	1732.2	1416.0	1262.1	1278.9	1348.8	1444.0	1488.8
12100.4	40°	11381.2	8616.4	2624.9	1712.6	1388.0	1217.3	1220.1	1273.3	1357.2	1424.4
13611.6	42.5°	12654.5	9607.0	2832.0	1639.9	1362.8	1178.1	1169.7	1206.1	1262.1	1309.7
15119.9	45°	13866.2	10625.7	3036.3	1539.1	1332.1	1139.0	1119.4	1133.4	1144.6	1164.1
16589.1	47.5°	14924.0	11342.1	2977.5	1446.8	1290.1	1094.2	1060.6	1055.0	1021.4	1018.6
17901.6	50°	15654.4	11498.8	2644.5	1354.4	1228.5	1043.8	990.6	957.1	898.3	870.3
18883.8	52.5°	15886.7	10880.3	2160.4	1262.1	1127.8	976.7	901.1	847.9	775.2	750.0
19449.1	55°	15578.9	9668.6	1726.6	1150.2	987.8	887.1	803.2	733.2	674.4	643.6
19510.7	57.5°	14826.1	8126.7	1365.6	1018.6	839.5	786.4	702.4	632.4	582.1	551.3
18827.9	60°	13578.0	6453.2	1080.2	861.9	716.4	677.2	590.5	545.7	500.9	464.5
17064.8	62.5°	11683.5	4606.2	847.9	682.8	598.9	554.1	503.7	470.1	417.0	366.6
13894.2	65°	9117.3	2818.0	654.8	500.9	481.3	458.9	428.2	397.4	333.0	282.6
9064.1	67.5°	5750.8	1334.9	467.3	377.8	380.6	369.4	355.4	330.2	282.6	237.9
4060.5	70°	2532.6	646.4	307.8	288.2	282.6	282.6	293.8	285.4	240.7	198.7
1410.4	72.5°	861.9	347.0	229.5	218.3	204.3	201.5	246.3	237.9	193.1	153.9
702.4	75°	450.5	232.3	167.9	156.7	123.1	148.3	195.9	184.7	137.1	100.7
464.5	77.5°	293.8	165.1	114.7	100.7	70.0	97.9	145.5	128.7	81.2	50.4
305.0	80°	184.7	109.1	67.2	47.6	33.6	53.2	78.4	56.0	30.8	11.2
179.1	82.5°	97.9	56.0	25.2	16.8	14.0	16.8	19.6	14.0	5.6	0.0
92.3	85°	39.2	19.6	8.4	5.6	2.8	0.0	5.6	2.8	0.0	0.0
16.8	87.5°	14.0	2.8	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°
5535.3
5171.5
4329.2
3226.6
2177.2
1763.0
1718.2
1693.1
1653.9
1614.7
1589.5
1569.9
1550.3
1530.7
1516.8
1500.0
1446.8
1329.3
1175.3
1015.8
873.1
747.2
643.6
545.7
456.1
358.2
274.2
232.3
190.3
145.5
92.3
44.8
8.4
0.0
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