

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: P851507

Luminaire Tested: **GLAN-SB9C-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52498 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

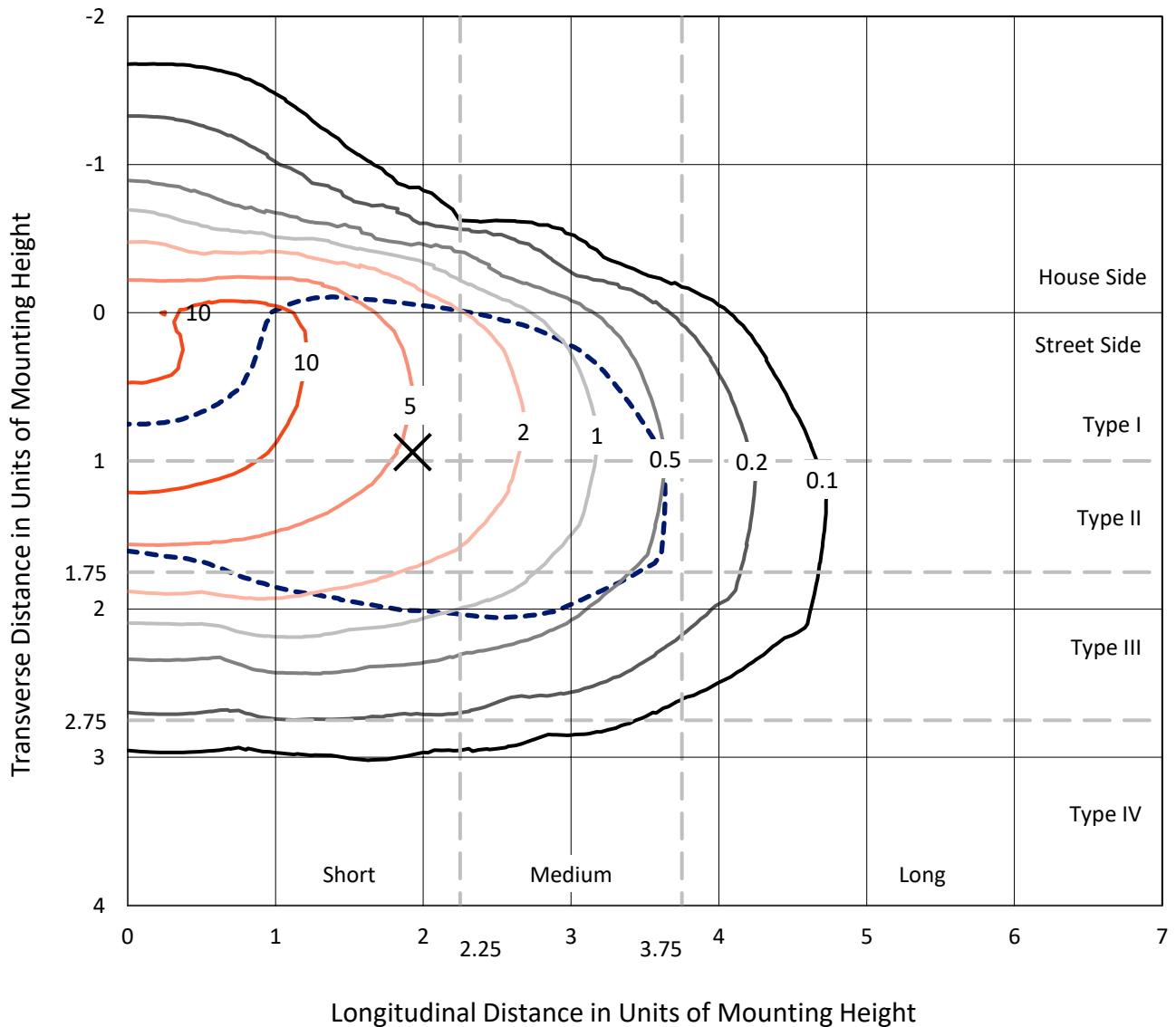
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

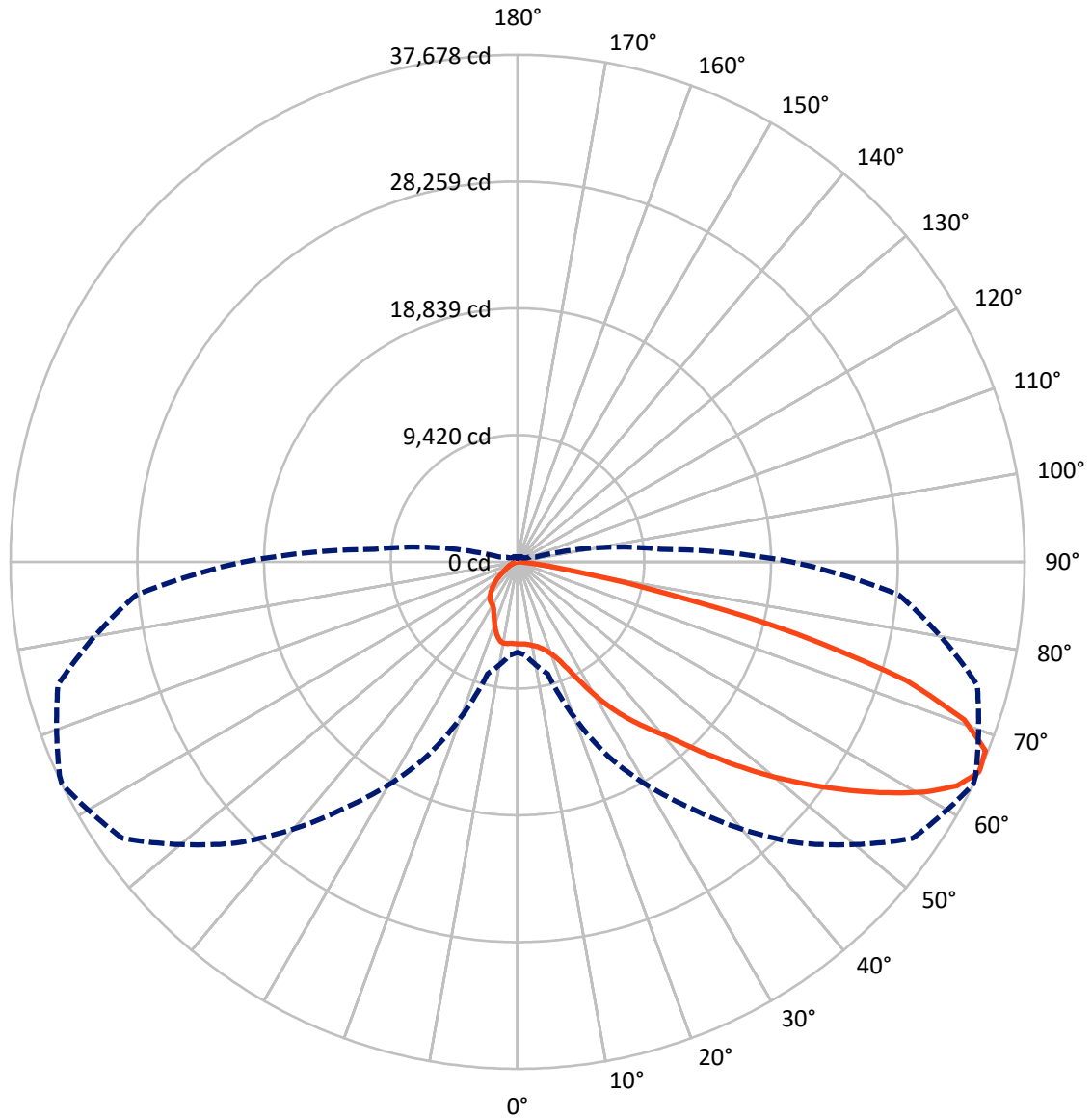
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7020.6	0.0	7020.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	45477.4	0.0	45477.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	52498.0	0.0	52498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.3	1.1
10°-20°	1528.0	2.9
20°-30°	2895.3	5.5
30°-40°	5858.8	11.2
40°-50°	9980.5	19.0
50°-60°	13572.7	25.9
60°-70°	12745.5	24.3
70°-80°	5106.4	9.7
80°-90°	247.4	0.5
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°	52498.0	100.0
0°-180°	52498.0	100.0

Coefficient of Utilization



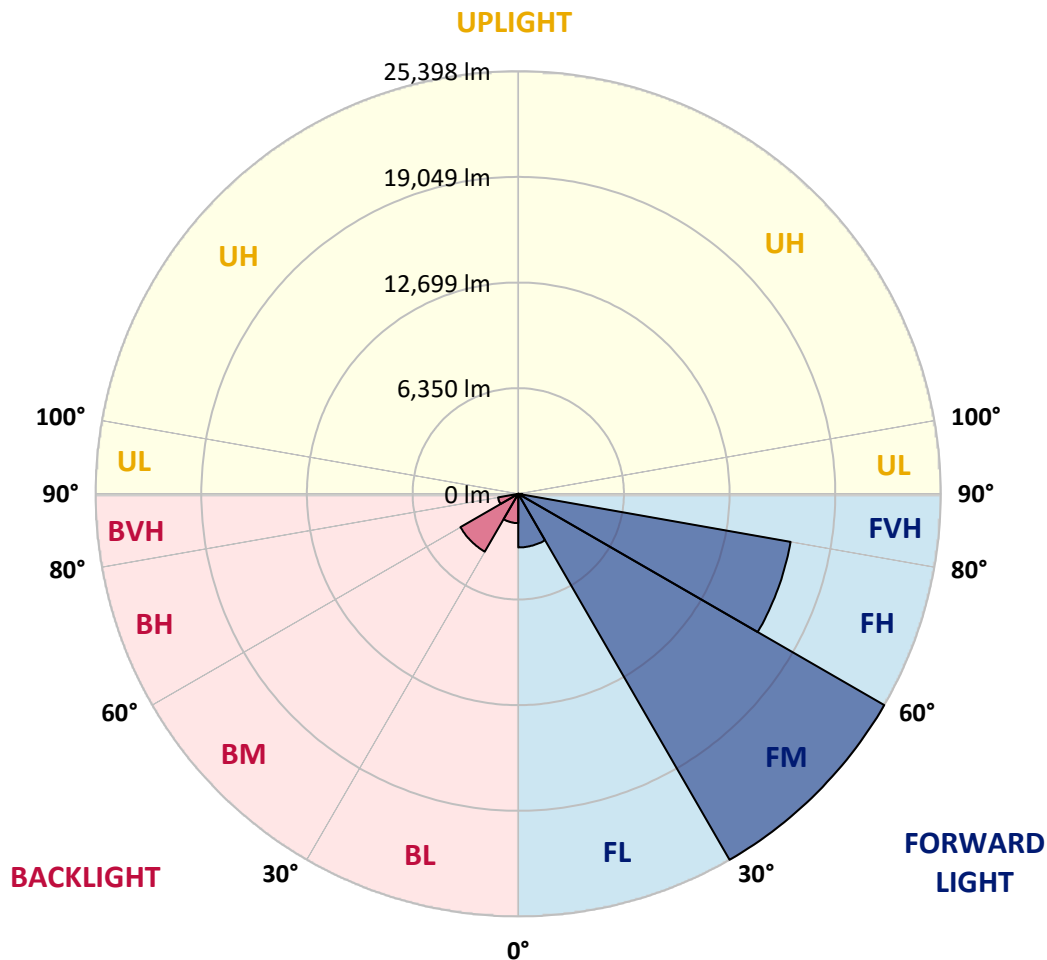
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3224.0	6.1			
FM (30°-60°)	25398.5	48.4			
FH (60°-80°)	16619.7	31.7			G5
FVH (80°-90°)	235.3	0.4			G3/500
BL (0°-30°)	1762.7	3.4	B3/2500		
BM (30°-60°)	4013.6	7.6	B3/5000		
BH (60°-80°)	1232.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	12.1	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1
2.5°	6084.9	6127.2	6116.6	6106.1	6102.5	6109.6	6113.1	6109.6	6109.6	6109.6
5°	5968.8	6004.0	6004.0	6028.6	6063.8	6106.1	6137.7	6144.8	6151.8	6162.4
7.5°	5747.1	5775.2	5796.4	5877.3	5965.3	6077.9	6172.9	6222.2	6229.2	6268.0
10°	5595.8	5631.0	5666.1	5750.6	5877.3	6046.2	6208.1	6327.8	6345.4	6436.9
12.5°	5588.7	5623.9	5669.7	5761.2	5909.0	6088.5	6285.5	6458.0	6489.7	6623.4
15°	5662.6	5704.9	5747.1	5859.7	6018.1	6236.3	6447.4	6662.1	6693.8	6883.8
17.5°	5814.0	5870.3	5901.9	6014.6	6183.5	6426.3	6704.4	6950.7	6978.9	7200.6
20°	6113.1	6180.0	6190.5	6282.0	6447.4	6707.9	7038.7	7344.9	7380.1	7633.5
22.5°	6732.5	6827.5	6743.1	6788.8	6936.6	7197.1	7556.0	7943.2	7992.4	8281.0
25°	7823.5	7957.2	7739.0	7661.6	7725.0	7996.0	8446.4	8935.6	8991.9	9224.2
27.5°	9966.8	9794.3	9463.5	9139.7	8949.7	9104.5	9611.3	10216.7	10287.0	10512.3
30°	12321.2	12169.9	11722.9	11005.0	10554.5	10529.9	10998.0	11673.7	11754.6	11969.3
32.5°	14679.2	14534.9	14049.2	13165.9	12384.6	11997.4	12321.2	13070.8	13113.1	13250.3
35°	16998.4	16850.6	16365.0	15460.5	14499.7	13619.9	13556.5	14401.2	14415.2	14559.5
37.5°	19331.8	19208.6	18691.2	17804.4	16857.7	15643.5	15055.8	15661.1	15678.7	15819.5
40°	20996.4	21049.2	20693.7	20007.5	19194.5	17867.7	16738.0	17002.0	16896.4	17132.2
42.5°	22425.3	22530.8	22221.1	21876.2	21404.7	20236.2	18821.5	18775.7	18606.8	18733.5
45°	23660.6	23748.5	23470.5	23389.6	23379.0	22559.0	21098.5	20824.0	20588.2	20563.5
47.5°	24114.5	24283.5	24403.1	24674.1	25202.0	24857.1	23452.9	23027.1	22763.1	22569.6
50°	24287.0	24466.5	24874.7	25663.1	26912.4	27060.2	25796.8	25318.2	24994.4	24642.4
52.5°	24054.7	24375.0	24924.0	26250.8	28063.3	28826.9	28045.7	27626.9	27257.3	26683.7
55°	22685.7	23006.0	24128.6	26243.8	28636.9	30065.8	30171.3	29984.8	29569.5	28665.1
57.5°	19799.8	20274.9	22052.2	25349.8	28626.3	31132.1	32254.8	32388.5	31924.0	30628.9
60°	15801.9	16445.9	18613.8	23368.4	27743.0	31709.3	34081.3	34750.0	34257.3	32564.5
62.5°	11026.1	11772.2	13824.0	20264.4	25722.9	31294.0	35415.2	36650.5	36277.4	34296.0
65°	6725.5	6964.8	8618.9	15946.1	22288.0	29555.5	35826.9	37678.1	37554.9	35355.3
67.5°	4480.1	4680.7	5155.8	10934.6	17301.1	26081.9	34841.5	37498.6	37533.8	35182.9
70°	2699.3	2871.8	3181.5	6359.5	11212.6	20644.5	31790.2	35211.0	35415.2	32877.7
72.5°	1112.1	1228.3	1509.8	2882.3	5806.9	13102.5	25314.6	30231.2	30706.3	27644.5
75°	630.0	689.8	886.9	1446.5	2519.9	6106.1	15333.8	21461.0	22161.3	19053.7
77.5°	418.8	447.0	573.7	936.1	1418.3	2083.5	6553.0	11181.0	12518.3	10406.7
80°	281.5	306.2	394.2	626.4	922.1	893.9	2087.0	4142.3	5096.0	3575.7
82.5°	190.0	193.6	281.5	411.8	584.2	432.9	615.9	1288.1	1618.9	1034.7
85°	109.1	105.6	207.6	239.3	260.4	179.5	186.5	387.1	506.8	436.4
87.5°	14.1	21.1	80.9	63.3	35.2	38.7	38.7	66.9	98.5	105.6
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°
6106.1	0°	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1	6106.1
6113.1	2.5°	6113.1	6109.6	6099.0	6088.5	6063.8	6049.8	6056.8	6049.8	6046.2	6049.8
6158.9	5°	6158.9	6148.3	6120.1	6084.9	6035.7	5975.8	5937.1	5880.8	5828.0	5796.4
6282.0	7.5°	6282.0	6271.5	6232.8	6134.2	5975.8	5726.0	5497.2	5296.6	5145.3	5057.3
6479.1	10°	6479.1	6461.5	6401.7	6183.5	5768.2	5222.7	4768.7	4392.1	4145.8	4029.6
6711.4	12.5°	6711.4	6690.3	6584.7	6137.7	5374.0	4522.4	3895.9	3477.1	3248.4	3146.3
6978.9	15°	6985.9	6957.7	6750.1	5919.5	4800.4	3748.1	3174.4	2861.2	2713.4	2621.9
7320.2	17.5°	7327.3	7278.0	6873.3	5592.2	4177.5	3156.9	2731.0	2495.2	2365.0	2277.0
7767.2	20°	7770.7	7689.8	6971.8	5201.6	3603.8	2783.8	2431.9	2234.8	2136.2	2058.8
8400.7	22.5°	8390.1	8274.0	7091.5	4779.3	3199.1	2526.9	2210.1	2065.9	1984.9	1896.9
9284.0	25°	9157.3	9020.1	7239.3	4388.6	2921.1	2305.2	2048.3	1928.6	1833.6	1731.5
10441.9	27.5°	10230.7	9984.4	7415.3	4068.4	2681.7	2115.1	1900.4	1766.7	1657.6	1573.1
11754.6	30°	11427.3	11022.6	7570.1	3874.8	2463.5	1939.2	1706.9	1573.1	1471.1	1411.3
12933.6	32.5°	12560.5	12011.5	7672.2	3790.3	2266.5	1738.6	1495.7	1351.4	1274.0	1256.4
14087.9	35°	13630.4	12905.4	7661.6	3709.4	2090.5	1538.0	1288.1	1140.3	1080.4	1091.0
15330.3	37.5°	14862.2	13859.2	7587.7	3582.7	1946.2	1354.9	1108.6	978.4	925.6	929.1
16840.1	40°	16294.6	14960.7	7542.0	3343.4	1787.8	1186.0	960.8	855.2	816.5	802.4
18430.8	42.5°	17822.0	16027.1	7549.0	3072.4	1590.7	1034.7	858.7	770.7	735.5	725.0
20201.0	45°	19356.4	17044.2	7559.6	2790.8	1383.1	918.5	784.8	710.9	689.8	675.7
21995.9	47.5°	20799.3	17909.9	7362.5	2488.2	1179.0	830.6	725.0	675.7	658.1	640.5
23797.8	50°	22143.7	18487.1	6887.4	2136.2	1017.1	760.2	679.2	644.0	626.4	608.8
25430.8	52.5°	23189.0	18578.6	6102.5	1773.7	904.5	707.4	651.1	619.4	598.3	580.7
26750.5	55°	23653.5	18005.0	4986.9	1435.9	816.5	661.6	622.9	591.2	566.6	549.0
27788.7	57.5°	23533.9	16797.8	3888.9	1154.3	732.0	615.9	587.7	566.6	538.5	510.3
28629.9	60°	22946.1	15182.5	2931.6	960.8	654.6	566.6	549.0	531.4	492.7	450.5
28953.6	62.5°	21929.0	13151.8	2090.5	795.4	570.1	510.3	503.3	489.2	432.9	355.5
28475.0	65°	20373.5	10684.7	1407.7	661.6	489.2	447.0	450.5	425.8	351.9	264.0
26722.4	67.5°	18100.0	7812.9	901.0	542.0	408.2	373.1	376.6	362.5	299.1	225.2
23400.1	70°	15203.6	5173.4	587.7	411.8	327.3	288.6	309.7	313.2	253.4	183.0
17959.2	72.5°	11145.8	3054.8	411.8	306.2	239.3	200.6	253.4	260.4	204.1	137.3
10804.4	75°	6352.4	1450.0	309.7	221.7	147.8	140.8	197.1	197.1	140.8	91.5
4677.2	77.5°	2667.7	605.3	218.2	144.3	84.5	80.9	133.7	123.2	70.4	42.2
1140.3	80°	770.7	271.0	116.1	70.4	35.2	31.7	52.8	38.7	17.6	7.0
432.9	82.5°	302.7	119.7	45.8	28.2	14.1	14.1	7.0	0.0	0.0	0.0
246.4	85°	179.5	49.3	21.1	10.6	3.5	0.0	0.0	0.0	0.0	0.0
52.8	87.5°	45.8	10.6	7.0	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°
6106.1
6063.8
5803.4
5060.8
4019.1
3135.7
2625.4
2270.0
2044.7
1882.8
1721.0
1555.6
1400.7
1267.0
1091.0
943.2
798.9
721.5
675.7
640.5
608.8
577.2
545.5
506.8
443.4
348.4
256.9
214.7
176.0
130.2
84.5
42.2
7.0
0.0
0.0
0.0
0.0

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