

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: P851647

Luminaire Tested: **GLAN-SB9D-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851647
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-SB9D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA 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: 56844 lumens
Efficiency: N/A
Efficacy: 86.4 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

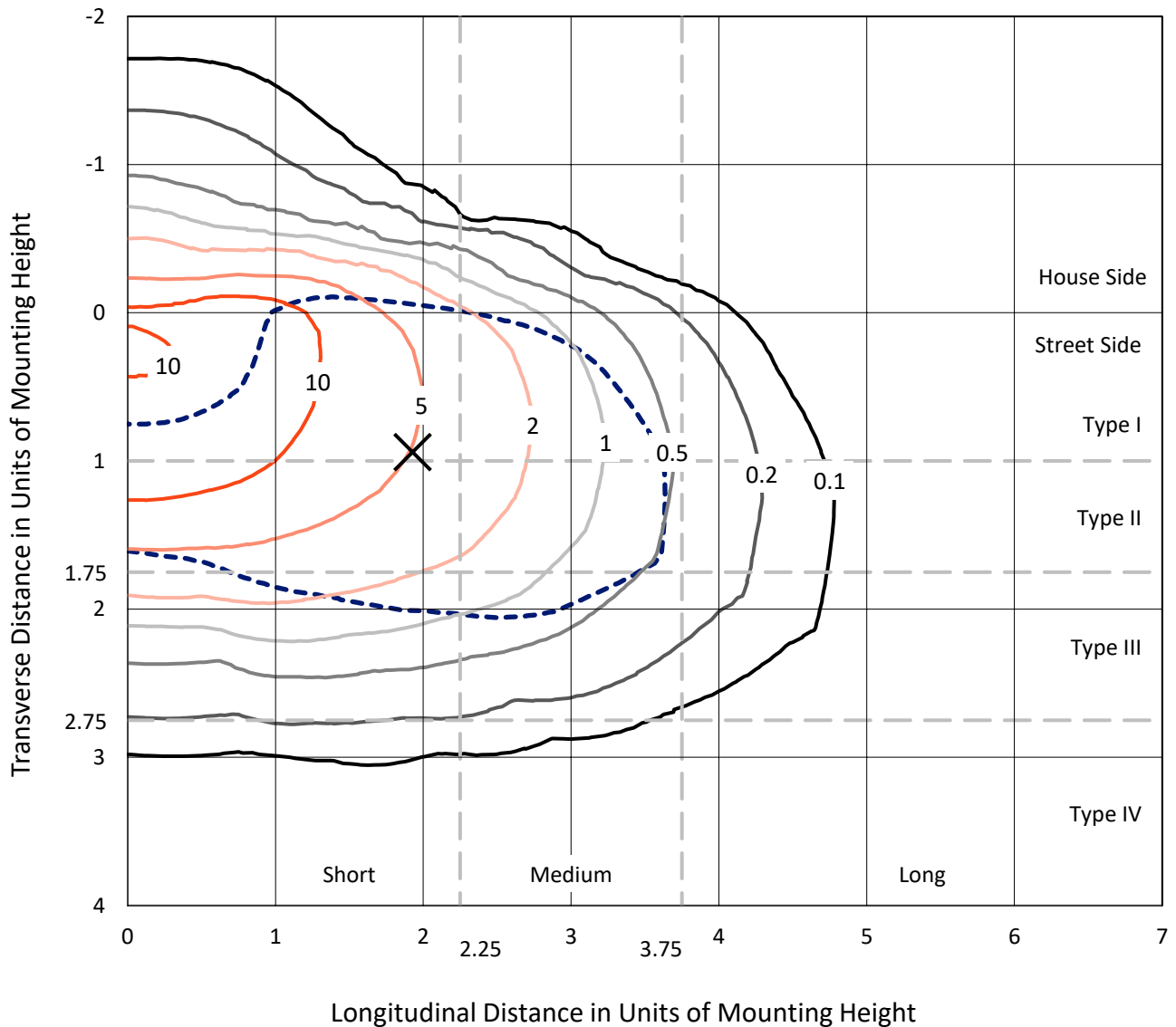
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

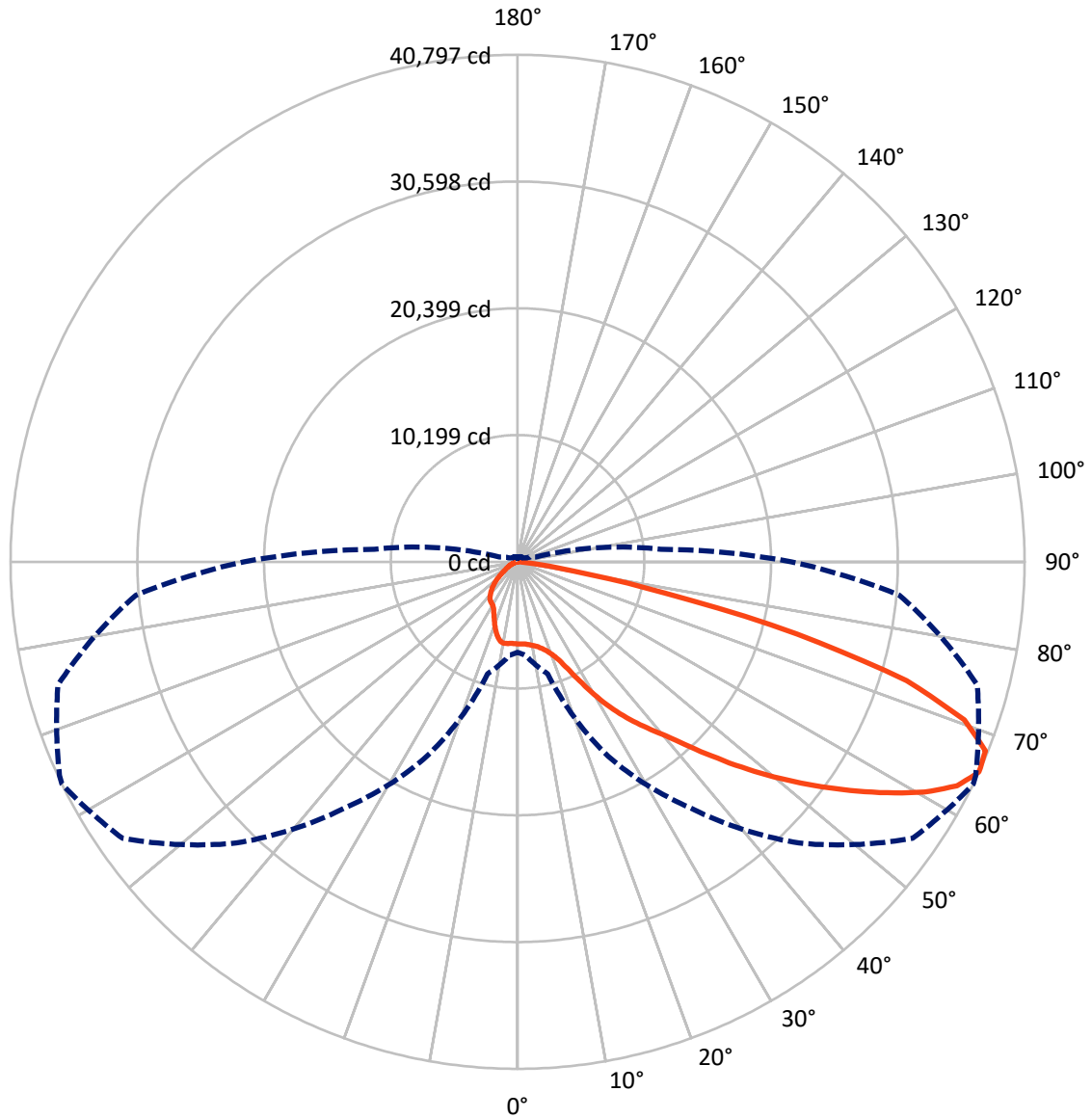
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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	7601.8	0.0	7601.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	49242.2	0.0	49242.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	56844.0	0.0	56844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.0	1.1
10°-20°	1654.4	2.9
20°-30°	3135.0	5.5
30°-40°	6343.8	11.2
40°-50°	10806.8	19.0
50°-60°	14696.4	25.9
60°-70°	13800.6	24.3
70°-80°	5529.1	9.7
80°-90°	267.9	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°	56844.0	100.0
0°-180°	56844.0	100.0

Coefficient of Utilization

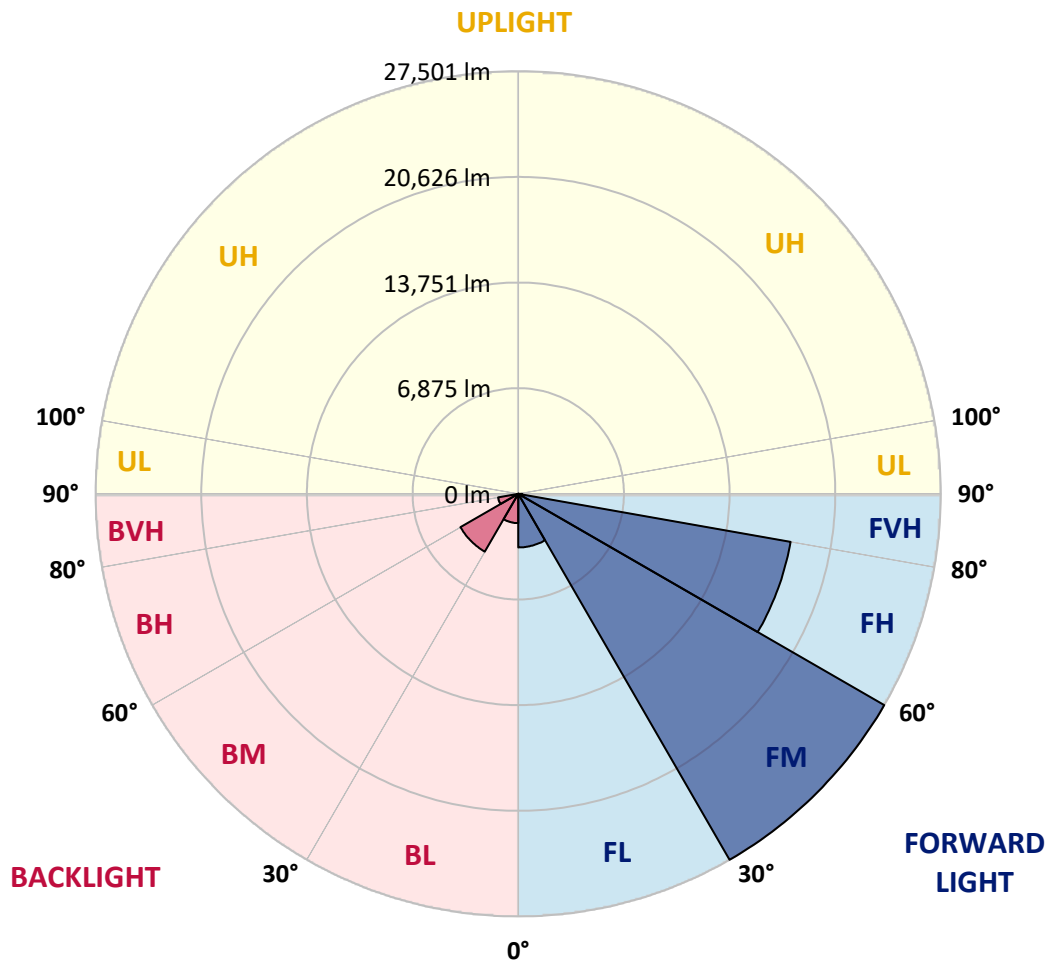


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3490.9	6.1			
FM (30°-60°)	27501.1	48.4			
FH (60°-80°)	17995.5	31.7			G5
FVH (80°-90°)	254.8	0.4			G3/500
BL (0°-30°)	1908.6	3.4	B3/2500		
BM (30°-60°)	4345.9	7.6	B3/5000		
BH (60°-80°)	1334.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	13.1	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°	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5
2.5°	6588.7	6634.4	6623.0	6611.5	6607.7	6615.4	6619.2	6615.4	6615.4	6615.4
5°	6462.9	6501.0	6501.0	6527.7	6565.8	6611.5	6645.8	6653.5	6661.1	6672.5
7.5°	6222.9	6253.3	6276.2	6363.9	6459.1	6581.1	6684.0	6737.3	6744.9	6786.8
10°	6059.0	6097.1	6135.2	6226.7	6363.9	6546.8	6722.1	6851.6	6870.7	6969.8
12.5°	6051.4	6089.5	6139.0	6238.1	6398.1	6592.5	6805.9	6992.6	7026.9	7171.7
15°	6131.4	6177.1	6222.9	6344.8	6516.3	6752.5	6981.2	7213.6	7247.9	7453.7
17.5°	6295.3	6356.2	6390.5	6512.5	6695.4	6958.3	7259.4	7526.1	7556.6	7796.7
20°	6619.2	6691.6	6703.0	6802.1	6981.2	7263.2	7621.4	7952.9	7991.0	8265.4
22.5°	7289.9	7392.7	7301.3	7350.8	7510.9	7792.9	8181.6	8600.7	8654.1	8966.6
25°	8471.2	8616.0	8379.7	8295.9	8364.5	8657.9	9145.7	9675.3	9736.3	9987.8
27.5°	10791.9	10605.2	10246.9	9896.4	9690.6	9858.3	10407.0	11062.4	11138.6	11382.5
30°	13341.2	13177.4	12693.4	11916.0	11428.3	11401.6	11908.4	12640.1	12727.7	12960.2
32.5°	15894.4	15738.2	15212.3	14255.8	13409.8	12990.6	13341.2	14152.9	14198.6	14347.2
35°	18405.6	18245.6	17719.7	16740.4	15700.0	14747.4	14678.8	15593.3	15608.6	15764.8
37.5°	20932.1	20798.7	20238.6	19278.3	18253.2	16938.5	16302.1	16957.6	16976.6	17129.1
40°	22734.6	22791.7	22406.9	21663.8	20783.5	19346.9	18123.6	18409.4	18295.1	18550.4
42.5°	24281.7	24396.0	24060.7	23687.3	23176.6	21911.5	20379.6	20330.0	20147.1	20284.3
45°	25619.3	25714.5	25413.5	25325.8	25314.4	24426.5	22845.1	22547.9	22292.5	22265.9
47.5°	26110.8	26293.8	26423.3	26716.7	27288.4	26914.9	25394.4	24933.3	24647.5	24438.0
50°	26297.6	26491.9	26934.0	27787.6	29140.3	29300.4	27932.4	27414.1	27063.5	26682.5
52.5°	26046.1	26392.8	26987.3	28423.9	30386.4	31213.4	30367.4	29913.9	29513.8	28892.7
55°	24563.7	24910.5	26126.1	28416.3	31007.6	32554.7	32669.0	32467.1	32017.4	31038.1
57.5°	21438.9	21953.4	23877.8	27448.4	30996.2	33709.4	34925.0	35069.8	34566.8	33164.4
60°	17110.0	17807.4	20154.7	25303.0	30039.7	34334.3	36902.7	37626.8	37093.3	35260.3
62.5°	11938.9	12746.8	14968.4	21942.0	27852.3	33884.7	38347.0	39684.5	39280.6	37135.2
65°	7282.2	7541.4	9332.4	17266.2	24133.1	32002.2	38792.8	40797.2	40663.9	38282.2
67.5°	4851.0	5068.2	5582.7	11839.8	18733.4	28241.0	37725.8	40602.9	40641.0	38095.5
70°	2922.8	3109.5	3444.9	6885.9	12140.9	22353.5	34422.0	38126.0	38347.0	35599.5
72.5°	1204.2	1329.9	1634.8	3121.0	6287.6	14187.2	27410.3	32733.8	33248.3	29933.0
75°	682.1	746.9	960.3	1566.2	2728.5	6611.5	16603.2	23237.6	23995.9	20631.1
77.5°	453.5	484.0	621.1	1013.6	1535.7	2255.9	7095.5	12106.6	13554.6	11268.2
80°	304.9	331.5	426.8	678.3	998.4	967.9	2259.7	4485.2	5517.9	3871.7
82.5°	205.8	209.6	304.9	445.9	632.6	468.7	666.9	1394.7	1752.9	1120.3
85°	118.1	114.3	224.8	259.1	282.0	194.3	202.0	419.2	548.7	472.5
87.5°	15.2	22.9	87.6	68.6	38.1	41.9	41.9	72.4	106.7	114.3
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°
6611.5	0°	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5	6611.5
6619.2	2.5°	6619.2	6615.4	6603.9	6592.5	6565.8	6550.6	6558.2	6550.6	6546.8	6550.6
6668.7	5°	6668.7	6657.3	6626.8	6588.7	6535.3	6470.6	6428.6	6367.7	6310.5	6276.2
6802.1	7.5°	6802.1	6790.6	6748.7	6642.0	6470.6	6200.0	5952.3	5735.1	5571.2	5476.0
7015.5	10°	7015.5	6996.4	6931.6	6695.4	6245.7	5655.1	5163.5	4755.7	4489.0	4363.2
7267.0	12.5°	7267.0	7244.1	7129.8	6645.8	5818.9	4896.7	4218.4	3765.0	3517.3	3406.8
7556.6	15°	7564.2	7533.7	7308.9	6409.6	5197.8	4058.4	3437.2	3098.1	2938.0	2839.0
7926.2	17.5°	7933.9	7880.5	7442.3	6055.2	4523.3	3418.2	2957.1	2701.8	2560.8	2465.5
8410.2	20°	8414.0	8326.4	7549.0	5632.2	3902.1	3014.3	2633.2	2419.8	2313.1	2229.3
9096.1	22.5°	9084.7	8958.9	7678.5	5174.9	3463.9	2736.1	2393.1	2236.9	2149.2	2054.0
10052.6	25°	9915.4	9766.8	7838.6	4751.9	3162.9	2496.0	2217.8	2088.3	1985.4	1874.9
11306.3	27.5°	11077.7	10810.9	8029.1	4405.2	2903.7	2290.2	2057.8	1913.0	1794.8	1703.4
12727.7	30°	12373.3	11935.1	8196.8	4195.6	2667.5	2099.7	1848.2	1703.4	1592.9	1528.1
14004.3	32.5°	13600.4	13005.9	8307.3	4104.1	2454.1	1882.5	1619.5	1463.3	1379.5	1360.4
15254.2	35°	14758.8	13973.8	8295.9	4016.5	2263.5	1665.3	1394.7	1234.7	1169.9	1181.3
16599.4	37.5°	16092.5	15006.5	8215.8	3879.3	2107.3	1467.1	1200.4	1059.4	1002.2	1006.0
18234.2	40°	17643.5	16199.2	8166.3	3620.2	1935.8	1284.2	1040.3	926.0	884.1	868.8
19956.6	42.5°	19297.3	17353.9	8173.9	3326.7	1722.4	1120.3	929.8	834.5	796.4	785.0
21873.4	45°	20958.8	18455.2	8185.4	3021.9	1497.6	994.6	849.8	769.8	746.9	731.7
23816.8	47.5°	22521.2	19392.6	7972.0	2694.2	1276.6	899.3	785.0	731.7	712.6	693.5
25767.9	50°	23976.9	20017.6	7457.5	2313.1	1101.3	823.1	735.5	697.4	678.3	659.2
27536.0	52.5°	25108.6	20116.6	6607.7	1920.6	979.3	765.9	705.0	670.7	647.8	628.8
28965.1	55°	25611.6	19495.5	5399.7	1554.8	884.1	716.4	674.5	640.2	613.5	594.5
30089.2	57.5°	25482.1	18188.4	4210.8	1249.9	792.6	666.9	636.4	613.5	583.0	552.6
31000.0	60°	24845.7	16439.3	3174.3	1040.3	708.8	613.5	594.5	575.4	533.5	487.8
31350.5	62.5°	23744.4	14240.5	2263.5	861.2	617.3	552.6	544.9	529.7	468.7	384.9
30832.3	65°	22060.1	11569.3	1524.3	716.4	529.7	484.0	487.8	461.1	381.1	285.8
28934.6	67.5°	19598.4	8459.7	975.5	586.8	442.0	403.9	407.7	392.5	323.9	243.9
25337.3	70°	16462.2	5601.7	636.4	445.9	354.4	312.5	335.3	339.2	274.4	198.2
19446.0	72.5°	12068.5	3307.7	445.9	331.5	259.1	217.2	274.4	282.0	221.0	148.6
11698.8	75°	6878.3	1570.0	335.3	240.1	160.0	152.4	213.4	213.4	152.4	99.1
5064.4	77.5°	2888.5	655.4	236.3	156.2	91.5	87.6	144.8	133.4	76.2	45.7
1234.7	80°	834.5	293.4	125.8	76.2	38.1	34.3	57.2	41.9	19.1	7.6
468.7	82.5°	327.7	129.6	49.5	30.5	15.2	15.2	7.6	0.0	0.0	0.0
266.7	85°	194.3	53.3	22.9	11.4	3.8	0.0	0.0	0.0	0.0	0.0
57.2	87.5°	49.5	11.4	7.6	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°
6611.5
6565.8
6283.8
5479.8
4351.8
3395.3
2842.8
2457.9
2214.0
2038.7
1863.4
1684.3
1516.7
1371.8
1181.3
1021.3
865.0
781.2
731.7
693.5
659.2
625.0
590.7
548.7
480.1
377.3
278.2
232.5
190.5
141.0
91.5
45.7
7.6
0.0
0.0
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0.0

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