

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: P850998

Luminaire Tested: **GLAN-SB8D-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 80802 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

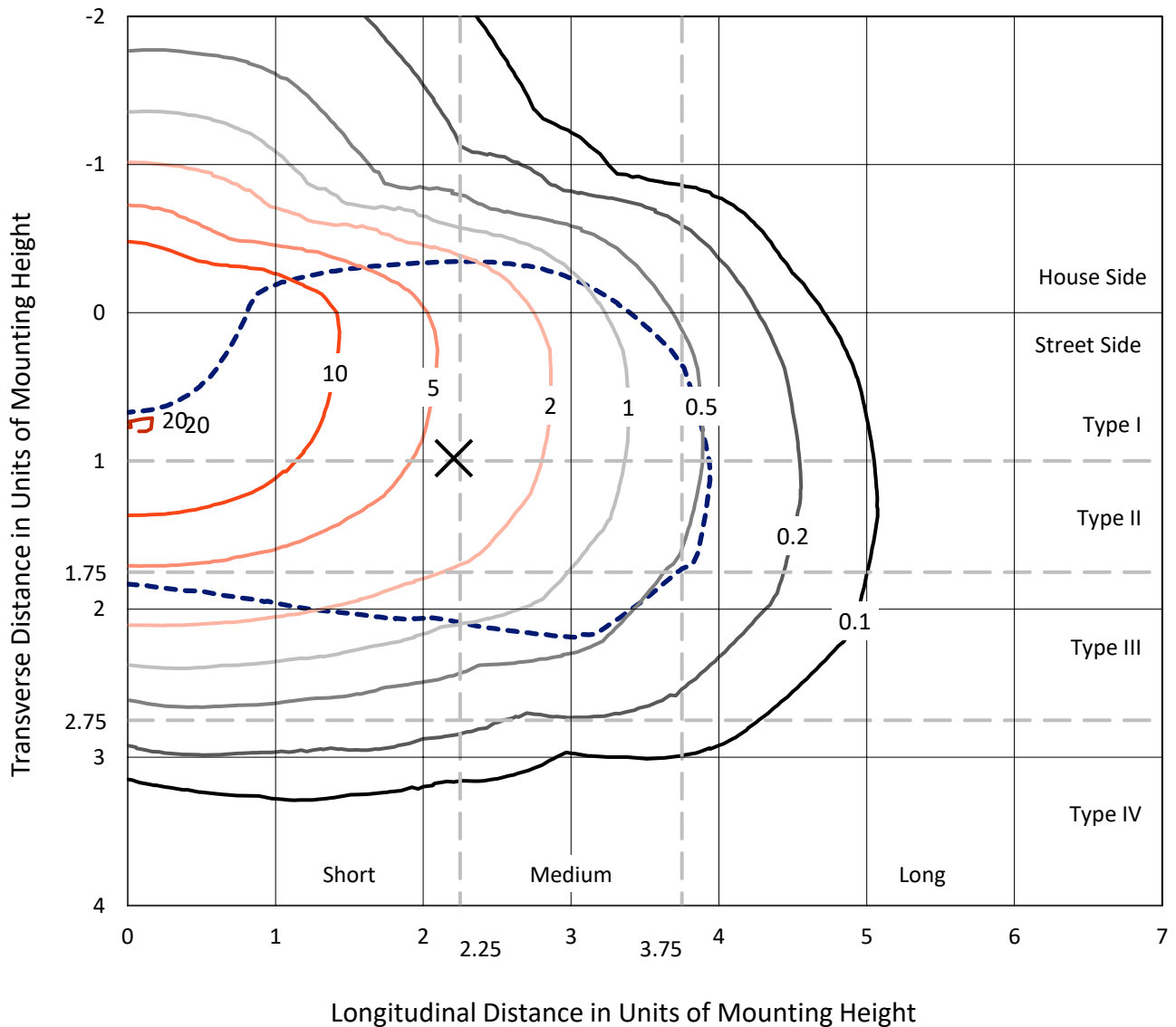
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

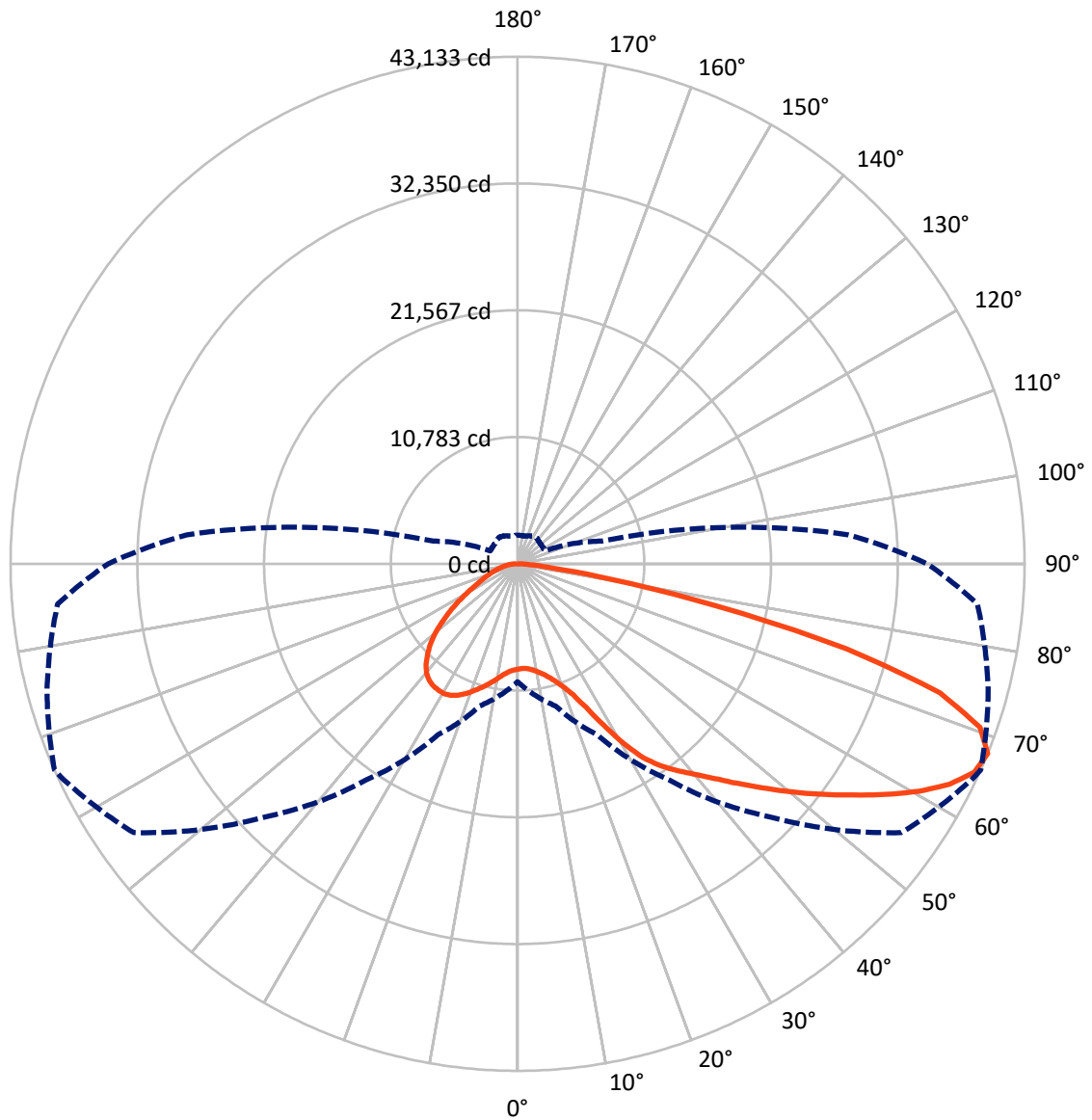
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20091.2	0.0	20091.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	60710.8	0.0	60710.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	80802.0	0.0	80802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.5	1.1
10°-20°	2935.6	3.6
20°-30°	5658.3	7.0
30°-40°	9921.1	12.3
40°-50°	14749.4	18.3
50°-60°	18696.3	23.1
60°-70°	18293.8	22.6
70°-80°	8726.3	10.8
80°-90°	932.6	1.2
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°	80802.0	100.0
0°-180°	80802.0	100.0

Coefficient of Utilization



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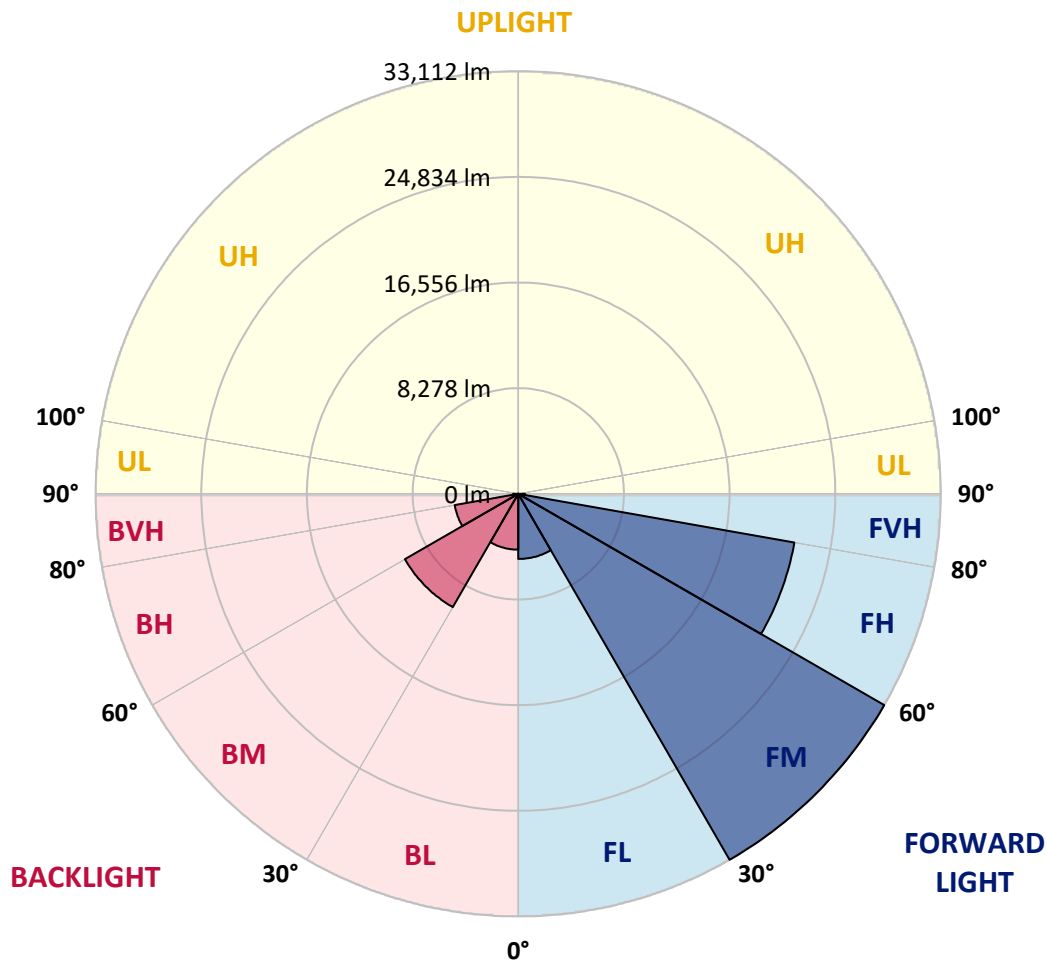
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5105.9	6.3			
FM (30°-60°)	33112.0	41.0			
FH (60°-80°)	21964.2	27.2			G5
FVH (80°-90°)	528.8	0.7			G4/750
BL (0°-30°)	4376.6	5.4	B4/5000		
BM (30°-60°)	10254.8	12.7	B5		
BH (60°-80°)	5056.0	6.3	B5		G5
BVH (80°-90°)	403.9	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0
2.5°	8868.6	8919.6	8906.8	8885.6	8881.3	8889.8	8902.6	8915.3	8911.1	8932.3
5°	8843.1	8894.1	8889.8	8889.8	8906.8	8940.8	8962.0	8983.2	8962.0	8987.5
7.5°	8860.1	8898.3	8915.3	8932.3	8974.7	9038.4	9089.4	9136.1	9110.6	9140.3
10°	9076.6	9106.4	9123.3	9123.3	9153.1	9225.2	9276.2	9361.1	9339.8	9386.5
12.5°	9471.5	9501.2	9501.2	9484.2	9505.4	9552.1	9569.1	9662.5	9624.3	9700.7
15°	9955.4	10014.9	9968.2	9938.4	9946.9	9993.6	9989.4	10061.6	10023.4	10087.0
17.5°	10490.3	10566.8	10490.3	10486.1	10469.1	10520.1	10524.3	10588.0	10520.1	10566.8
20°	11122.9	11229.0	11165.4	11186.6	11148.4	11169.6	11190.8	11284.2	11178.1	11212.1
22.5°	12014.4	12141.8	12073.9	12154.5	12129.1	12112.1	12107.8	12273.4	12107.8	12120.6
25°	13313.5	13466.4	13347.5	13457.9	13457.9	13513.1	13576.7	13789.0	13513.1	13432.4
27.5°	15232.4	15385.3	15151.8	15219.7	15198.5	15334.3	15266.4	15792.8	15495.7	15364.1
30°	17541.9	17813.6	17372.1	17355.1	17333.9	17550.4	17648.1	17996.2	17694.8	17563.2
32.5°	20038.2	20322.7	19796.2	19643.4	19562.7	19694.3	19613.7	19893.9	19685.9	19482.1
35°	22678.9	22959.0	22458.1	22160.9	21838.3	21562.3	21273.6	21345.8	21150.5	20840.6
37.5°	25175.1	25688.8	25158.2	24839.8	24245.4	23706.2	22899.6	22564.2	22381.7	22097.2
40°	27718.1	28011.1	27607.7	27336.0	26690.7	25845.9	24555.3	23846.3	23600.1	23324.2
42.5°	29590.3	29870.5	29654.0	29467.2	28962.0	27981.3	26312.9	25425.6	25069.0	24759.1
45°	31076.2	31284.2	31148.4	31216.3	30999.8	30048.8	28134.2	27119.5	26750.2	26372.3
47.5°	31674.8	31895.6	32112.1	32515.4	32884.8	32184.3	30091.3	28953.5	28563.0	28176.6
50°	31606.9	31831.9	32460.2	33317.8	34464.0	34230.5	32154.6	30906.4	30545.6	30104.0
52.5°	31063.5	31318.2	32124.8	33551.3	35376.8	35763.1	34256.0	32923.0	32583.3	32056.9
55°	29637.0	29789.9	30999.8	33020.6	35593.3	36833.0	36315.0	35071.1	34731.5	33997.1
57.5°	26992.2	27212.9	28974.8	31589.9	35049.9	37558.9	38123.6	37329.7	37002.8	35945.7
60°	23540.7	23893.0	25909.6	29187.0	33665.9	37554.7	39766.5	39550.0	39278.3	37864.6
62.5°	19634.9	20042.5	21982.6	25790.7	31246.0	36489.1	40793.9	41409.5	41269.4	39634.9
65°	15079.6	15359.8	17291.5	21396.7	27480.4	34200.8	40912.8	42678.9	42704.3	40980.7
67.5°	10040.3	10847.0	12523.9	16056.0	22436.9	30460.6	39868.4	42886.9	43133.1	41443.5
70°	4899.2	5960.5	7603.5	10435.2	16056.0	24725.1	37138.6	41180.2	41727.9	40093.4
72.5°	2033.5	2377.4	3273.2	5149.7	9216.7	16684.4	31653.6	36552.8	37567.4	35525.4
75°	1371.3	1485.9	1872.2	2640.6	4198.7	8227.6	22827.4	27255.4	28889.9	26830.8
77.5°	1057.1	1129.3	1362.8	1846.7	2496.3	3111.9	12218.2	16425.4	17270.2	15988.1
80°	832.1	887.3	1018.9	1345.8	1770.3	1664.2	4164.7	7442.2	7930.4	6652.5
82.5°	721.7	742.9	730.2	912.8	1176.0	972.2	1367.0	2746.8	3031.2	2199.1
85°	522.2	581.6	607.1	564.6	624.1	492.5	560.4	972.2	1069.8	955.2
87.5°	212.3	314.2	386.3	365.1	229.3	140.1	174.1	284.4	326.9	356.6
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°
8962.0	0°	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0	8962.0
8966.3	2.5°	8970.5	9000.2	9021.4	9046.9	9063.9	9089.4	9140.3	9170.0	9174.3	9195.5
9034.2	5°	9051.2	9093.6	9140.3	9208.2	9284.7	9348.3	9446.0	9513.9	9539.4	9560.6
9199.8	7.5°	9225.2	9284.7	9369.6	9488.4	9598.8	9683.7	9802.6	9883.3	9963.9	9993.6
9463.0	10°	9484.2	9569.1	9692.2	9853.5	9972.4	10082.8	10205.9	10273.8	10354.5	10388.5
9777.1	12.5°	9806.8	9896.0	10057.3	10282.3	10392.7	10469.1	10511.6	10494.6	10511.6	10541.3
10155.0	15°	10176.2	10273.8	10456.4	10698.4	10774.8	10706.9	10613.5	10528.6	10515.8	10524.3
10613.5	17.5°	10613.5	10685.6	10897.9	11101.7	11046.5	10766.3	10562.5	10426.7	10358.7	10337.5
11199.3	20°	11224.8	11224.8	11398.9	11526.2	11156.9	10681.4	10363.0	10142.2	10002.1	9942.7
11997.5	22.5°	11967.7	11899.8	12010.2	11921.0	11135.6	10443.6	10002.1	9620.0	9407.8	9322.9
13114.0	25°	12910.2	12829.6	12799.8	12247.9	10982.8	10065.8	9348.3	8885.6	8698.8	8652.1
14723.0	27.5°	14332.4	14128.6	13742.3	12426.2	10702.6	9471.5	8584.2	8155.4	8049.3	8053.5
16790.5	30°	16225.9	15818.3	14871.6	12456.0	10244.1	8630.9	7803.0	7497.4	7446.4	7467.6
18526.9	32.5°	17979.2	17592.9	16026.3	12320.1	9539.4	7807.3	7102.5	6898.8	6822.3	6847.8
19851.4	35°	19354.7	19248.6	17096.2	12129.1	8673.3	7034.6	6474.2	6300.2	6151.6	6117.6
21099.6	37.5°	20653.8	20611.3	17898.5	11861.6	7815.8	6486.9	5969.0	5739.8	5523.2	5404.4
22479.3	40°	22080.3	22037.8	18425.0	11449.8	7055.8	6011.5	5514.8	5213.3	4945.9	4729.4
24041.6	42.5°	23685.0	23434.5	18675.5	10859.7	6410.5	5608.2	5145.4	4737.9	4385.5	4186.0
25807.7	45°	25438.4	24873.7	18671.2	10108.3	5867.1	5238.8	4750.6	4173.2	3846.3	3659.5
27620.5	47.5°	27297.8	26249.2	18442.0	9276.2	5340.7	4831.2	4139.3	3697.7	3481.2	3366.6
29590.3	50°	29216.7	27535.6	18051.4	8321.0	4801.5	4368.5	3757.2	3455.7	3290.2	3184.0
31543.2	52.5°	31021.0	28703.1	17580.1	7238.4	4253.9	3918.5	3587.4	3353.9	3179.8	3060.9
33436.7	55°	32698.0	29709.2	16913.6	6130.3	3808.1	3617.1	3506.7	3311.4	3111.9	2971.8
35359.8	57.5°	34188.1	30363.0	15763.1	5090.2	3489.7	3409.0	3421.8	3239.2	3010.0	2891.1
37253.3	60°	35427.7	30842.7	14060.7	4126.5	3230.7	3205.3	3290.2	3103.4	2835.9	2700.1
38853.8	62.5°	36170.7	30834.2	11972.0	3379.3	3010.0	3018.5	3116.1	2933.6	2661.9	2534.5
39690.1	65°	36107.0	30078.6	9679.5	2891.1	2797.7	2806.2	2933.6	2746.8	2517.5	2441.1
39269.8	67.5°	34829.1	28236.1	7425.2	2572.7	2564.2	2602.4	2751.0	2619.4	2428.4	2419.9
36765.0	70°	31369.2	24411.0	5349.2	2318.0	2322.2	2377.4	2572.7	2538.7	2381.7	2398.6
30910.7	72.5°	25153.9	18611.8	3591.6	2050.5	2054.8	2143.9	2402.9	2475.1	2335.0	2560.0
21931.7	75°	16752.3	11606.9	2309.5	1766.1	1770.3	1885.0	2254.3	2351.9	2207.6	2551.5
11411.6	77.5°	8049.3	5217.6	1672.7	1485.9	1485.9	1592.0	1948.6	2105.7	1880.7	1982.6
3668.0	80°	2780.7	1961.4	1316.1	1197.2	1171.7	1243.9	1643.0	1825.5	1621.7	1494.4
1197.2	82.5°	1095.3	1018.9	1057.1	929.7	844.8	891.5	1277.9	1507.1	1193.0	1078.3
675.0	85°	628.3	662.3	747.2	615.6	488.2	547.7	938.2	1082.6	900.0	793.9
220.8	87.5°	169.8	233.5	343.9	318.4	220.8	233.5	445.8	598.6	517.9	399.1
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°
8962.0
9191.3
9556.4
9997.9
10405.4
10549.8
10554.0
10367.2
9930.0
9310.1
8660.6
8066.2
7539.8
6881.8
6143.1
5408.6
4750.6
4198.7
3651.0
3341.1
3145.8
3010.0
2916.6
2814.7
2640.6
2496.3
2436.9
2432.6
2394.4
2593.9
2572.7
1817.0
1401.0
1074.1
810.9
411.8
0.0

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