

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: P955917

Luminaire Tested: **GLAN-SB8D-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67842 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - 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

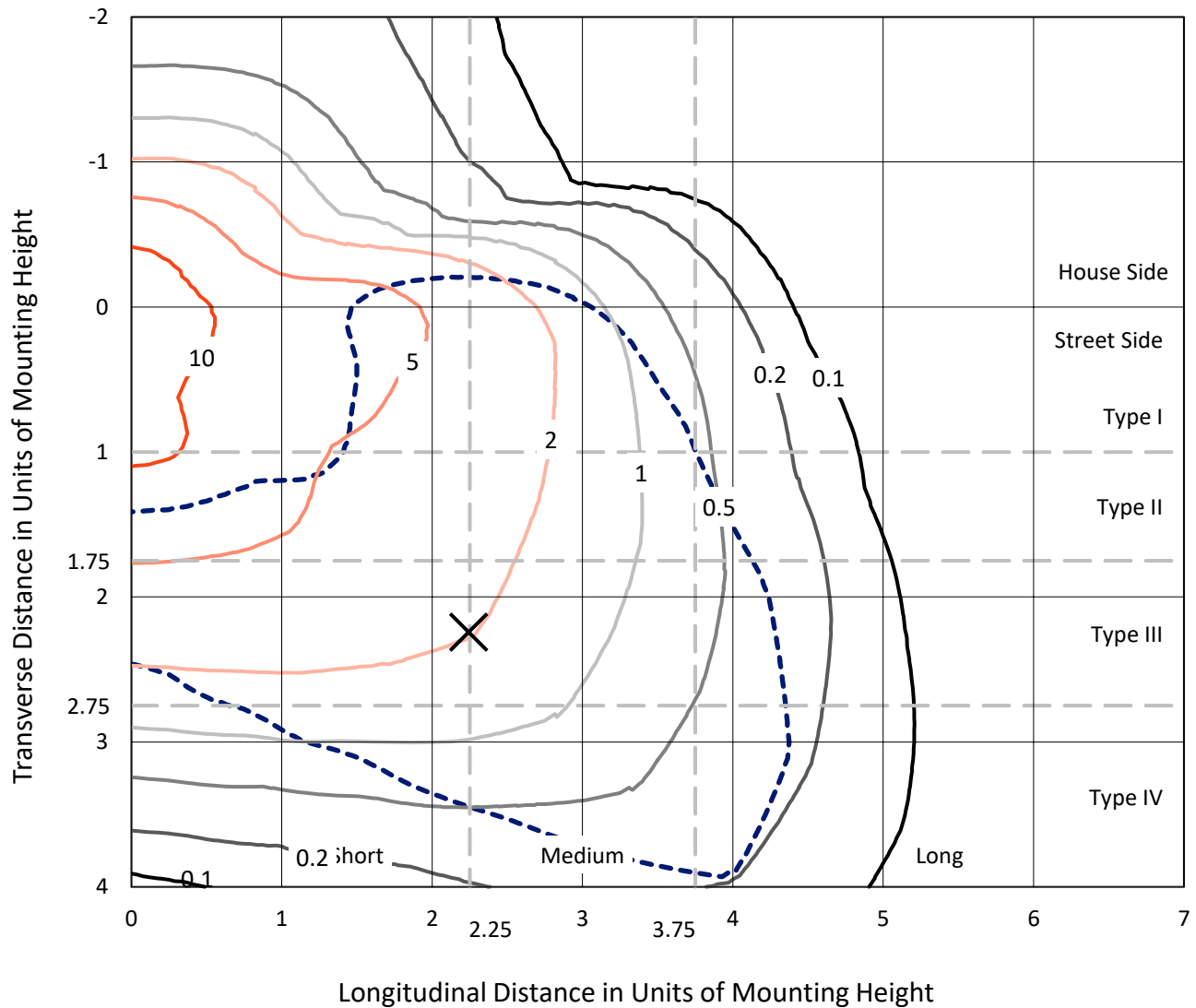


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

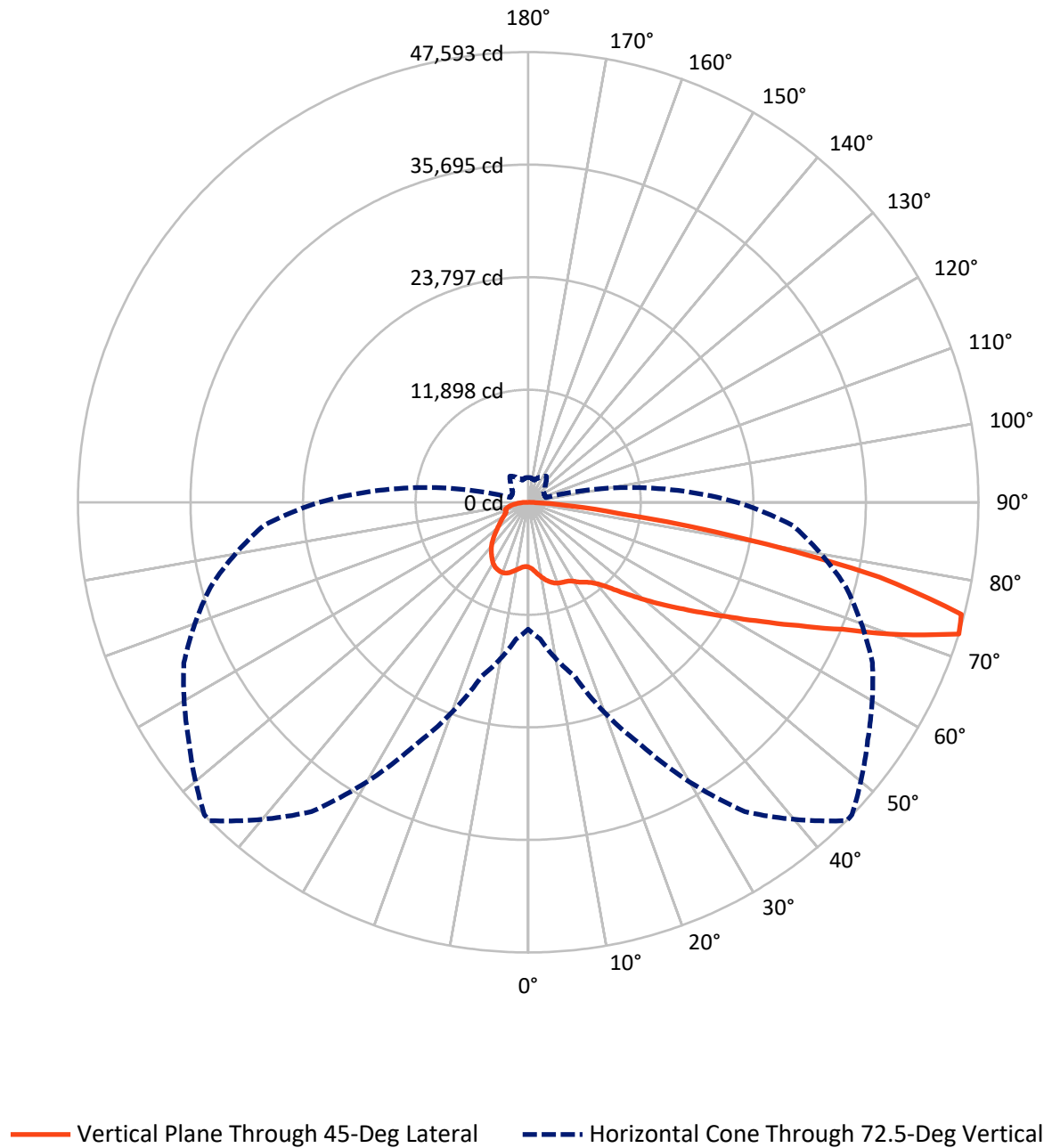


Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15336.7	0.0	15336.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	52505.3	0.0	52505.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	67842.0	0.0	67842.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.6	1.0
10°-20°	2322.5	3.4
20°-30°	4040.1	6.0
30°-40°	5791.7	8.5
40°-50°	8155.0	12.0
50°-60°	12491.1	18.4
60°-70°	18095.2	26.7
70°-80°	14450.1	21.3
80°-90°	1799.7	2.7
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°	67842.0	100.0
0°-180°	67842.0	100.0

Coefficient of Utilization



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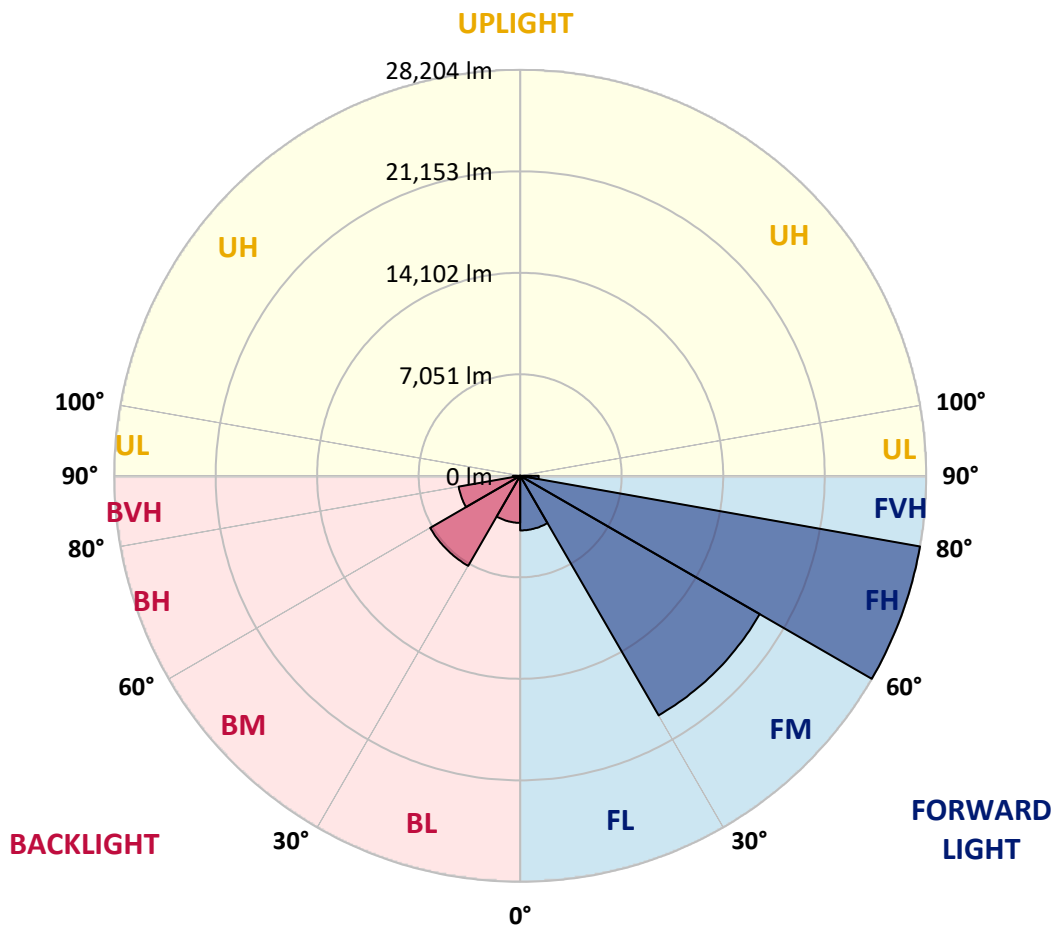
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3793.8	5.6			
FM	(30°-60°)	19216.4	28.3			
FH	(60°-80°)	28203.9	41.6			G5
FVH	(80°-90°)	1291.1	1.9			G5
BL	(0°-30°)	3265.3	4.8	B4/5000		
BM	(30°-60°)	7221.4	10.6	B4/8500		
BH	(60°-80°)	4341.4	6.4	B4/5000		G4/5000
BVH	(80°-90°)	508.6	0.7			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9
2.5°	7112.0	7158.4	7115.6	7076.2	7058.4	7011.9	7008.3	6979.7	6961.9	6911.8
5°	7608.7	7669.5	7598.0	7519.4	7447.9	7333.6	7319.3	7237.1	7144.1	7036.9
7.5°	8169.8	8223.4	8141.2	8023.3	7898.2	7708.8	7705.2	7555.1	7408.6	7226.3
10°	8659.5	8730.9	8620.1	8459.3	8302.1	8087.6	8062.6	7891.1	7705.2	7469.4
12.5°	9091.9	9141.9	9034.7	8838.1	8655.9	8441.5	8409.3	8219.9	8012.6	7744.5
15°	9435.0	9499.3	9356.4	9145.5	8952.5	8741.7	8713.1	8541.5	8334.2	8051.9
17.5°	9660.1	9713.7	9567.2	9331.3	9145.5	8970.4	8948.9	8806.0	8623.7	8337.8
20°	9745.9	9803.1	9649.4	9410.0	9238.4	9102.6	9091.9	8988.3	8863.2	8602.3
22.5°	9831.7	9885.3	9685.2	9435.0	9284.9	9199.1	9195.5	9127.6	9077.6	8863.2
25°	10178.3	10192.6	9924.6	9563.6	9349.2	9274.2	9270.6	9267.0	9288.5	9120.5
27.5°	10478.6	10475.0	10246.2	9906.7	9574.4	9417.1	9413.5	9449.3	9517.2	9377.8
30°	10918.1	10878.8	10607.2	10253.4	9949.6	9706.6	9685.2	9653.0	9706.6	9595.8
32.5°	11850.9	11725.8	11286.2	10657.2	10260.5	10074.7	10046.1	9846.0	9867.4	9799.5
35°	13187.5	13023.1	12437.0	11422.0	10646.5	10382.1	10367.8	10114.0	10071.1	10010.4
37.5°	14777.9	14574.2	13891.6	12529.9	11311.3	10739.4	10718.0	10489.3	10314.2	10249.8
40°	16375.4	16118.1	15553.4	13880.9	12290.5	11336.3	11268.4	10921.7	10721.6	10614.4
42.5°	17926.5	17712.0	17229.6	15396.2	13498.5	12208.3	12058.2	11464.9	11314.8	11214.8
45°	19298.8	19105.8	18752.0	17015.1	14913.7	13394.8	13248.3	12279.8	12233.3	12233.3
47.5°	20413.9	20371.0	19995.7	18666.3	16582.7	14745.7	14492.0	13412.7	13537.8	13730.8
50°	21650.4	21532.5	21132.2	20292.4	18544.7	16293.2	16085.9	14802.9	15271.1	15800.0
52.5°	22786.9	22851.2	22404.5	21986.4	20760.5	18019.4	17654.9	16443.3	17454.7	18330.3
55°	23955.6	23959.1	23834.1	23776.9	23083.5	19927.8	19527.6	18416.1	20024.3	21110.8
57.5°	25052.7	25059.9	25245.7	25749.6	25778.2	22129.3	21675.4	20839.2	22879.8	23987.7
60°	26032.0	26082.0	26589.5	27768.9	28147.7	24652.5	24223.6	23701.8	25831.8	26946.9
62.5°	26360.8	26543.0	27672.4	29348.5	30488.6	27747.4	27325.7	27014.8	28934.0	29970.4
65°	25803.3	26221.4	28405.0	30653.0	32897.4	31424.9	31006.8	30667.3	32157.6	33133.2
67.5°	24434.5	24974.1	28362.1	32021.8	35820.8	35849.4	35459.8	34662.8	35613.5	35988.7
70°	20828.4	21636.1	25864.0	32532.8	39176.6	41899.9	41524.7	39473.3	39062.3	37246.7
72.5°	13419.8	14506.3	19045.1	28326.4	39923.6	47593.1	47571.6	43815.5	40152.3	34802.2
75°	4896.2	5560.9	8848.9	17779.9	33512.1	47303.6	47443.0	43072.1	36653.5	26882.6
77.5°	1783.4	1951.3	2887.7	6833.2	20610.4	37954.4	38243.9	34434.1	26089.2	13491.3
80°	936.4	1029.3	1479.6	2651.8	8831.0	22540.3	22994.2	20463.9	12261.9	4063.5
82.5°	518.2	561.1	829.1	1440.3	3977.7	9638.7	9910.3	8084.1	4313.6	1722.6
85°	278.8	296.6	389.6	786.2	1944.2	3341.6	3416.6	2415.9	1719.0	1011.4
87.5°	82.2	100.1	128.7	250.2	761.2	750.5	768.4	478.9	679.0	511.1
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°
6843.9	0°	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9	6843.9
6897.5	2.5°	6876.1	6865.4	6826.1	6808.2	6786.8	6783.2	6801.1	6804.6	6808.2	6811.8
6976.2	5°	6940.4	6904.7	6869.0	6847.5	6854.7	6858.2	6894.0	6919.0	6936.9	6951.2
7122.7	7.5°	7065.5	7036.9	6976.2	6972.6	6983.3	7015.5	7061.9	7119.1	7151.3	7176.3
7312.1	10°	7251.4	7197.7	7126.3	7137.0	7158.4	7204.9	7301.4	7347.9	7401.5	7447.9
7544.4	12.5°	7440.8	7394.3	7312.1	7319.3	7355.0	7437.2	7530.1	7587.3	7623.0	7658.8
7794.6	15°	7687.4	7605.2	7515.8	7515.8	7580.2	7669.5	7712.4	7758.8	7780.3	7819.6
8062.6	17.5°	7941.1	7833.9	7716.0	7708.8	7787.4	7830.3	7855.3	7862.5	7869.6	7912.5
8323.5	20°	8194.9	8076.9	7908.9	7894.7	7912.5	7905.4	7901.8	7894.7	7905.4	7959.0
8591.6	22.5°	8445.0	8309.2	8076.9	8012.6	7962.6	7894.7	7891.1	7887.5	7894.7	7948.3
8881.0	25°	8738.1	8573.7	8262.8	8069.8	7901.8	7808.9	7819.6	7823.2	7830.3	7873.2
9181.2	27.5°	9056.2	8873.9	8434.3	8051.9	7748.1	7683.8	7665.9	7676.6	7701.7	7769.6
9481.4	30°	9374.2	9159.8	8591.6	7980.4	7555.1	7465.8	7408.6	7433.6	7512.2	7580.2
9742.3	32.5°	9663.7	9449.3	8716.6	7823.2	7308.5	7169.2	7094.1	7126.3	7204.9	7229.9
10031.8	35°	10003.2	9760.2	8770.2	7573.0	7040.5	6826.1	6726.0	6679.5	6718.9	6693.8
10371.3	37.5°	10382.1	10128.3	8763.1	7244.2	6726.0	6479.4	6340.0	6164.9	6082.7	5996.9
10871.7	40°	10943.2	10578.6	8677.3	6847.5	6336.4	6111.3	5861.1	5564.5	5378.7	5210.7
11679.4	42.5°	11708.0	11204.0	8520.1	6411.5	5896.9	5686.0	5346.5	4999.8	4706.8	4428.0
12905.2	45°	12848.0	12022.5	8323.5	5946.9	5421.5	5214.3	4846.2	4456.6	4124.2	3766.8
14645.7	47.5°	14492.0	13123.2	8137.7	5418.0	4921.2	4731.8	4399.4	4038.5	3645.3	3298.7
17161.7	50°	16750.7	14702.9	7966.1	4903.3	4428.0	4285.1	4020.6	3652.5	3255.8	2977.0
20110.1	52.5°	19624.1	16850.7	7894.7	4406.6	3967.0	3913.4	3702.5	3359.4	2984.2	2748.3
23548.1	55°	22922.7	19420.3	7894.7	3931.2	3563.1	3581.0	3434.5	3116.4	2791.2	2580.3
27093.4	57.5°	26289.3	22022.1	7751.7	3491.7	3220.0	3295.1	3202.2	2923.4	2630.4	2412.4
30820.9	60°	29391.4	24202.2	7172.7	3091.4	2916.3	3034.2	2973.4	2734.0	2376.6	2194.3
33937.4	62.5°	31775.2	25431.6	6057.7	2773.3	2666.1	2801.9	2769.7	2483.8	2330.2	2255.1
36496.2	65°	32968.8	25231.4	4631.7	2491.0	2455.2	2666.1	2598.2	2587.5	2466.0	2380.2
37328.9	67.5°	32236.2	23508.8	3359.4	2283.7	2333.7	2541.0	2801.9	2844.8	2619.6	2451.7
34984.5	70°	29023.3	20392.4	2501.7	2087.1	2180.1	2544.6	3195.0	2977.0	2569.6	2373.0
28058.4	72.5°	22079.3	15206.8	1940.6	1879.8	1979.9	2562.5	3370.1	2916.3	2426.6	2623.2
17479.7	75°	12626.4	8348.5	1558.2	1626.1	1729.7	2394.5	3280.8	2759.0	2315.9	2408.8
6926.1	77.5°	4814.0	3209.3	1286.6	1375.9	1390.2	2090.7	3137.8	2748.3	2205.1	2151.5
2076.4	80°	1669.0	1254.4	1065.0	1093.6	1075.7	1858.4	3009.2	2390.9	1804.8	1615.4
857.7	82.5°	682.6	625.4	843.4	807.7	764.8	1443.8	2430.2	1954.9	1476.0	1304.5
414.6	85°	296.6	396.7	557.5	489.6	443.2	1000.7	1947.8	1654.7	1247.3	1075.7
135.8	87.5°	60.8	150.1	235.9	221.6	228.7	668.3	1383.1	1175.8	882.7	661.2
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°
6843.9
6826.1
6958.3
7183.5
7437.2
7673.1
7833.9
7926.8
7980.4
7984.0
7930.4
7837.5
7655.2
7319.3
6772.5
6050.5
5221.4
4403.0
3724.0
3259.4
2959.2
2730.4
2558.9
2376.6
2165.8
2230.1
2351.6
2423.1
2340.9
2601.8
2408.8
1962.0
1561.8
1290.2
1072.2
518.2
0.0

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