

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: P852437

Luminaire Tested: **GLAN-SB3D-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24060 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

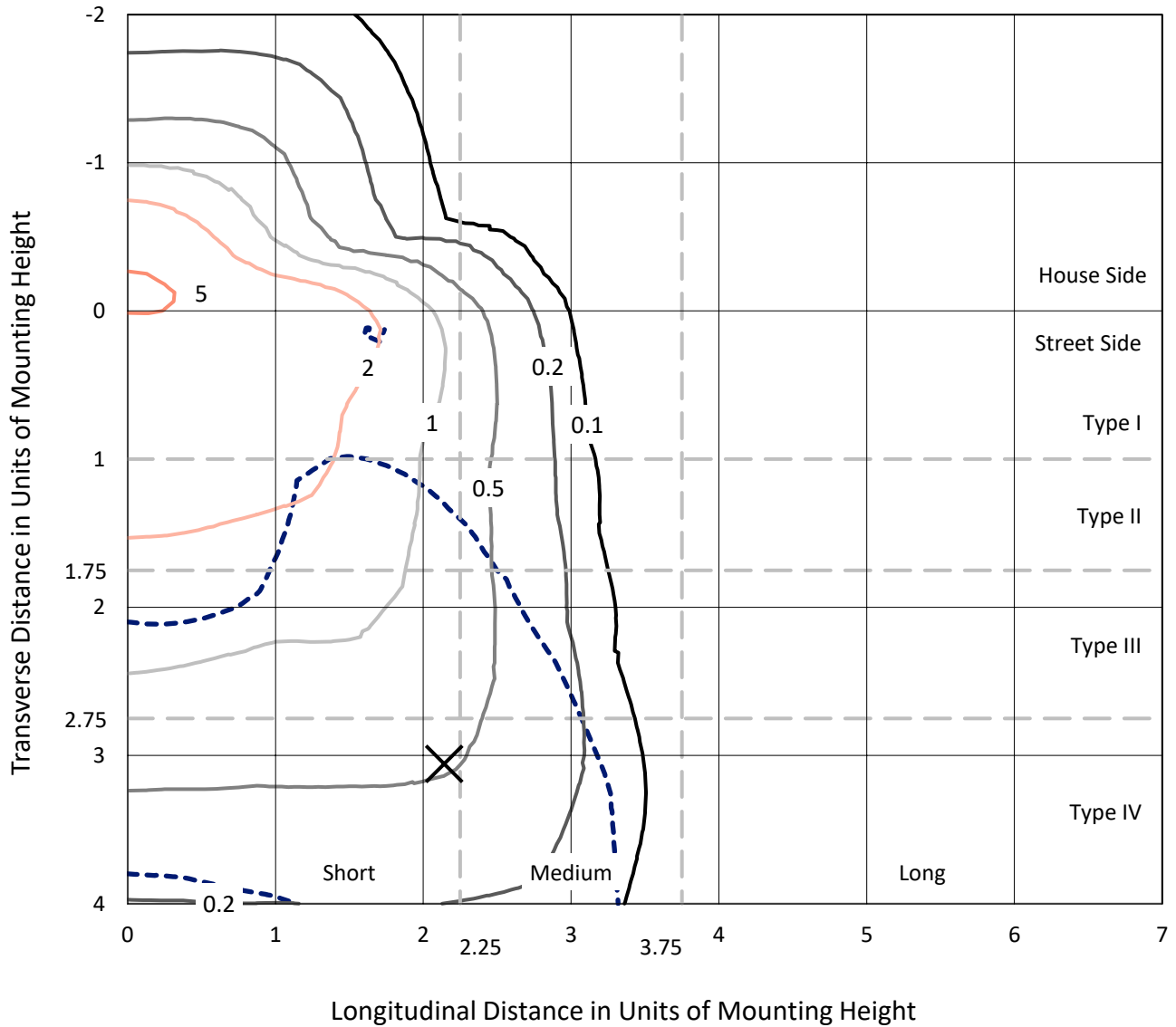
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852437
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Iso-Footcandle Lines of Horizontal Illumination

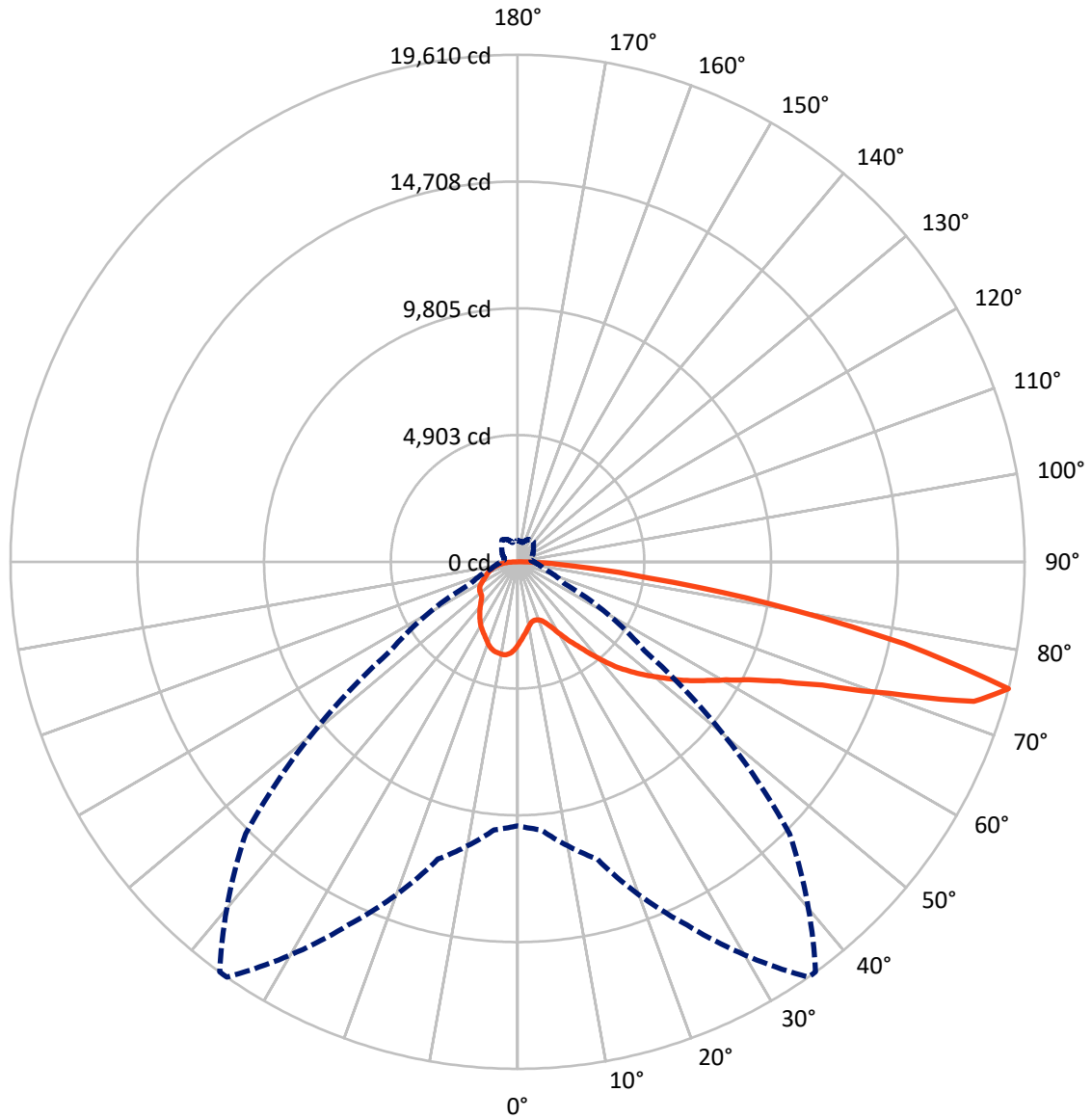
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P852437
CATALOG NUMBER: GLAN-SB3D-827-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5725.7	0.0	5725.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	18334.3	0.0	18334.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	24060.0	0.0	24060.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.6	1.3
10°-20°	875.6	3.6
20°-30°	1470.4	6.1
30°-40°	2285.1	9.5
40°-50°	3391.7	14.1
50°-60°	4682.5	19.5
60°-70°	5681.0	23.6
70°-80°	4694.9	19.5
80°-90°	675.3	2.8
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°	24060.0	100.0
0°-180°	24060.0	100.0

Coefficient of Utilization



REPORT NUMBER: P852437

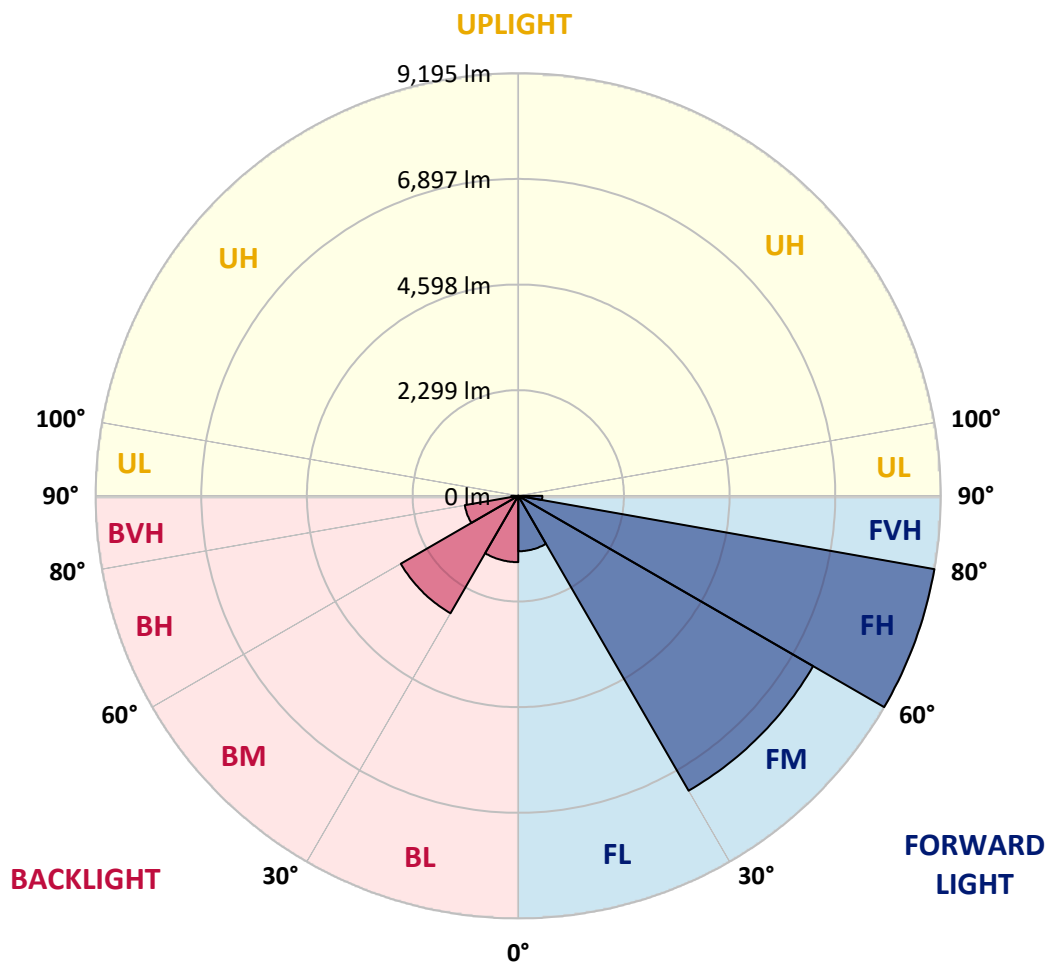
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1206.6	5.0			
FM (30°-60°)	7409.2	30.8			
FH (60°-80°)	9195.4	38.2			G4/12000
FVH (80°-90°)	523.2	2.2			G4/750
BL (0°-30°)	1442.9	6.0	B3/2500		
BM (30°-60°)	2950.2	12.3	B3/5000		
BH (60°-80°)	1180.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	152.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



REPORT NUMBER: P852437
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2
2.5°	2956.4	2974.6	2982.4	2978.5	2998.1	2995.4	3022.8	3056.6	3103.4	3148.9
5°	2728.8	2748.3	2765.2	2780.8	2818.6	2830.3	2873.2	2938.2	3024.1	3111.2
7.5°	2516.8	2533.7	2559.7	2588.3	2652.1	2663.8	2735.3	2836.8	2956.4	3083.9
10°	2343.8	2360.7	2388.0	2420.6	2499.9	2514.2	2605.2	2740.5	2896.6	3057.9
12.5°	2269.7	2274.9	2290.5	2323.0	2391.9	2401.0	2501.2	2656.0	2838.1	3038.4
15°	2265.8	2276.2	2277.5	2294.4	2351.6	2355.5	2447.9	2601.3	2801.6	3034.5
17.5°	2304.8	2312.6	2300.9	2311.3	2359.4	2365.9	2438.8	2575.3	2789.9	3051.4
20°	2408.8	2415.3	2380.2	2365.9	2401.0	2406.2	2477.8	2592.2	2801.6	3086.5
22.5°	2630.0	2633.9	2548.0	2489.5	2492.1	2494.7	2557.1	2661.2	2847.2	3150.2
25°	2974.6	2972.0	2835.5	2722.3	2657.3	2643.0	2684.6	2773.0	2923.9	3234.8
27.5°	3377.8	3358.3	3221.8	3052.7	2910.9	2890.1	2881.0	2918.7	3033.2	3346.6
30°	3833.1	3814.9	3667.9	3446.8	3250.4	3216.6	3130.7	3111.2	3195.8	3498.8
32.5°	4332.5	4320.8	4145.2	3877.3	3614.6	3575.5	3431.2	3379.1	3445.5	3729.0
35°	4751.4	4741.0	4595.3	4319.5	3998.3	3950.1	3803.2	3744.6	3778.5	4024.3
37.5°	5129.9	5124.6	4999.8	4782.6	4450.9	4392.4	4227.2	4207.7	4201.2	4413.2
40°	5481.0	5468.0	5338.0	5223.5	4977.7	4924.3	4778.7	4761.8	4712.3	4891.8
42.5°	5869.9	5836.1	5647.5	5594.2	5527.9	5483.6	5396.5	5399.1	5289.8	5431.6
45°	6187.3	6167.8	5974.0	5942.8	6014.3	5996.1	6071.5	6091.0	5879.0	5997.4
47.5°	6528.1	6509.9	6346.0	6323.9	6517.7	6522.9	6789.5	6796.0	6453.9	6585.3
50°	6948.2	6922.2	6759.6	6786.9	7004.1	7023.6	7511.4	7467.2	6983.3	7182.3
52.5°	7225.2	7240.8	7205.7	7249.9	7546.5	7564.7	8221.6	8108.4	7507.5	7771.5
55°	7429.4	7460.7	7569.9	7671.4	8118.8	8137.0	8891.4	8718.4	7941.9	8317.8
57.5°	7692.2	7648.0	7852.2	8049.9	8662.5	8710.6	9543.0	9306.3	8326.9	8788.6
60°	8069.4	8038.2	8196.8	8489.5	9271.2	9347.9	10232.4	9835.7	8609.2	9161.9
62.5°	8834.2	8756.1	8780.8	9039.7	10038.6	10140.0	11010.2	10297.4	8749.6	9307.6
65°	9977.5	9843.5	9718.6	9898.1	11119.4	11219.6	11888.1	10660.3	8697.6	9025.4
67.5°	11417.3	11284.6	11131.2	11300.2	12711.5	12790.8	12971.6	10864.5	8287.9	7938.0
70°	12604.8	12555.4	12738.8	13434.6	15254.3	15256.9	14360.7	10695.4	7165.4	5628.0
72.5°	12447.4	12417.5	13383.9	15535.2	18459.1	18390.2	15675.7	9415.6	4826.8	2538.9
75°	10211.6	10405.4	11902.5	15497.5	19610.2	19601.1	14870.6	5985.7	1996.5	1052.2
77.5°	5475.8	5782.8	7727.3	11442.0	15308.9	15539.1	10454.8	2094.1	857.1	673.7
80°	1785.8	2053.8	3080.0	5825.7	9947.5	9904.6	4480.8	822.0	586.6	477.3
82.5°	758.3	789.5	1376.1	2750.9	5105.1	5025.8	1426.8	472.1	412.3	326.5
85°	296.6	331.7	607.4	1272.1	2211.1	2163.0	515.1	234.1	264.0	213.3
87.5°	97.6	118.4	217.2	435.7	688.1	663.3	126.2	80.6	114.5	97.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852437
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3206.2	0°	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2	3206.2
3215.3	2.5°	3233.5	3254.3	3279.0	3315.4	3346.6	3372.6	3400.0	3416.9	3423.4	3442.9
3220.5	5°	3256.9	3302.4	3363.5	3423.4	3481.9	3517.0	3548.2	3563.8	3578.2	3588.6
3234.8	7.5°	3295.9	3354.4	3450.7	3528.7	3578.2	3606.8	3627.6	3622.4	3627.6	3630.2
3250.4	10°	3329.7	3411.7	3526.1	3600.3	3638.0	3639.3	3634.1	3615.9	3606.8	3608.1
3273.8	12.5°	3370.0	3461.1	3584.7	3647.1	3657.5	3628.9	3606.8	3575.5	3563.8	3558.6
3308.9	15°	3424.7	3528.7	3648.4	3671.8	3645.8	3609.4	3571.6	3520.9	3494.9	3474.1
3368.7	17.5°	3491.0	3605.5	3697.8	3680.9	3625.0	3565.1	3504.0	3427.3	3373.9	3351.8
3450.7	20°	3583.4	3686.1	3735.5	3661.4	3576.8	3485.8	3381.7	3288.1	3238.7	3216.6
3554.7	22.5°	3695.2	3794.1	3772.0	3627.6	3507.9	3362.2	3232.2	3163.2	3138.5	3122.9
3688.7	25°	3829.2	3913.7	3798.0	3578.2	3394.8	3198.4	3098.2	3076.1	3064.4	3052.7
3852.6	27.5°	4003.5	4049.0	3817.5	3505.3	3217.9	3024.1	2987.6	2991.5	2987.6	2968.1
4080.2	30°	4233.7	4224.6	3835.7	3387.0	3015.0	2866.7	2869.3	2886.2	2888.8	2875.8
4397.6	32.5°	4536.7	4444.4	3844.8	3233.5	2821.2	2728.8	2731.4	2749.6	2762.6	2740.5
4812.5	35°	4903.5	4700.6	3830.5	3041.0	2671.6	2597.4	2577.9	2583.1	2587.0	2566.2
5315.8	37.5°	5331.5	4988.1	3766.7	2827.7	2548.0	2468.7	2427.1	2391.9	2371.1	2351.6
5885.5	40°	5801.0	5301.5	3649.7	2619.6	2410.1	2332.1	2269.7	2203.3	2133.1	2107.1
6489.1	42.5°	6292.7	5624.1	3507.9	2420.6	2251.5	2187.7	2121.4	2025.1	1919.8	1866.5
7116.0	45°	6802.5	5954.5	3368.7	2224.2	2088.9	2061.6	1984.8	1869.1	1754.6	1687.0
7744.2	47.5°	7302.0	6266.6	3164.5	2026.4	1936.7	1966.6	1906.8	1800.1	1672.7	1566.0
8367.2	50°	7779.3	6559.3	2830.3	1826.1	1813.1	1938.0	1880.8	1727.3	1581.6	1445.0
8978.5	52.5°	8252.8	6796.0	2402.3	1644.1	1746.8	1930.2	1847.0	1677.9	1499.7	1356.6
9553.4	55°	8654.7	6918.3	1990.0	1488.0	1650.6	1863.9	1806.6	1619.3	1383.9	1231.7
9947.5	57.5°	8883.6	6819.4	1646.7	1334.5	1517.9	1754.6	1737.7	1494.5	1246.0	1129.0
10024.3	60°	8784.7	6418.8	1365.7	1200.5	1391.7	1636.2	1618.0	1370.9	1140.7	1030.1
9613.3	62.5°	8239.8	5655.3	1143.3	1083.5	1277.3	1515.3	1498.4	1276.0	1060.0	953.4
8522.0	65°	7142.0	4600.5	970.3	985.9	1161.5	1369.6	1394.3	1196.6	996.3	892.3
6593.1	67.5°	5447.2	3332.3	835.0	901.4	1048.3	1226.5	1298.1	1139.4	943.0	844.1
3814.9	70°	3104.7	1892.5	720.6	819.4	948.2	1093.9	1223.9	1093.9	885.8	803.8
1429.4	72.5°	1177.1	868.8	623.0	737.5	851.9	982.0	1142.0	1022.3	819.4	758.3
738.8	75°	628.2	529.4	524.2	641.2	741.4	872.8	1039.2	952.1	770.0	801.2
511.2	77.5°	427.9	374.6	438.3	548.9	620.4	751.8	930.0	845.4	667.2	664.6
353.8	80°	296.6	265.3	356.4	442.2	479.9	632.1	811.6	725.8	543.7	507.3
218.5	82.5°	178.2	173.0	266.6	330.4	339.5	487.8	672.4	608.7	444.8	387.6
130.1	85°	97.6	102.8	170.4	193.8	197.7	340.8	526.8	470.8	342.1	287.4
46.8	87.5°	27.3	35.1	62.4	76.7	94.9	176.9	313.5	279.6	171.7	119.7
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°
3206.2
3441.6
3591.2
3634.1
3610.7
3556.0
3480.6
3353.1
3214.0
3125.5
3052.7
2972.0
2882.3
2750.9
2580.5
2364.6
2118.8
1873.0
1681.8
1554.3
1433.3
1341.0
1218.7
1113.4
1014.5
936.5
875.4
828.5
793.4
747.9
827.2
612.6
485.2
390.2
290.0
119.7
0.0

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