

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: P847598

Luminaire Tested: **GLAN-SB3D-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847598
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-SB3D-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 29981 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

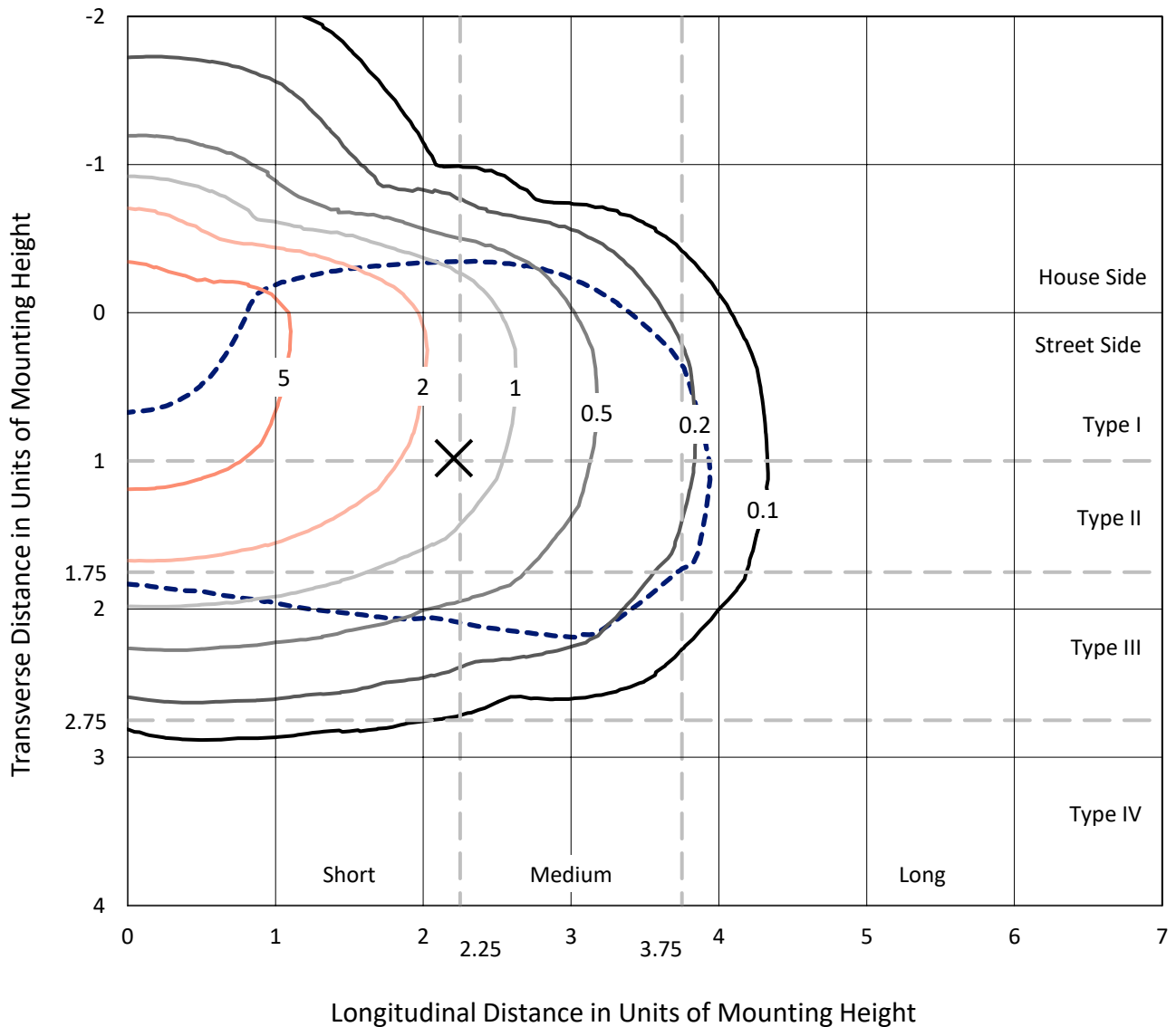
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

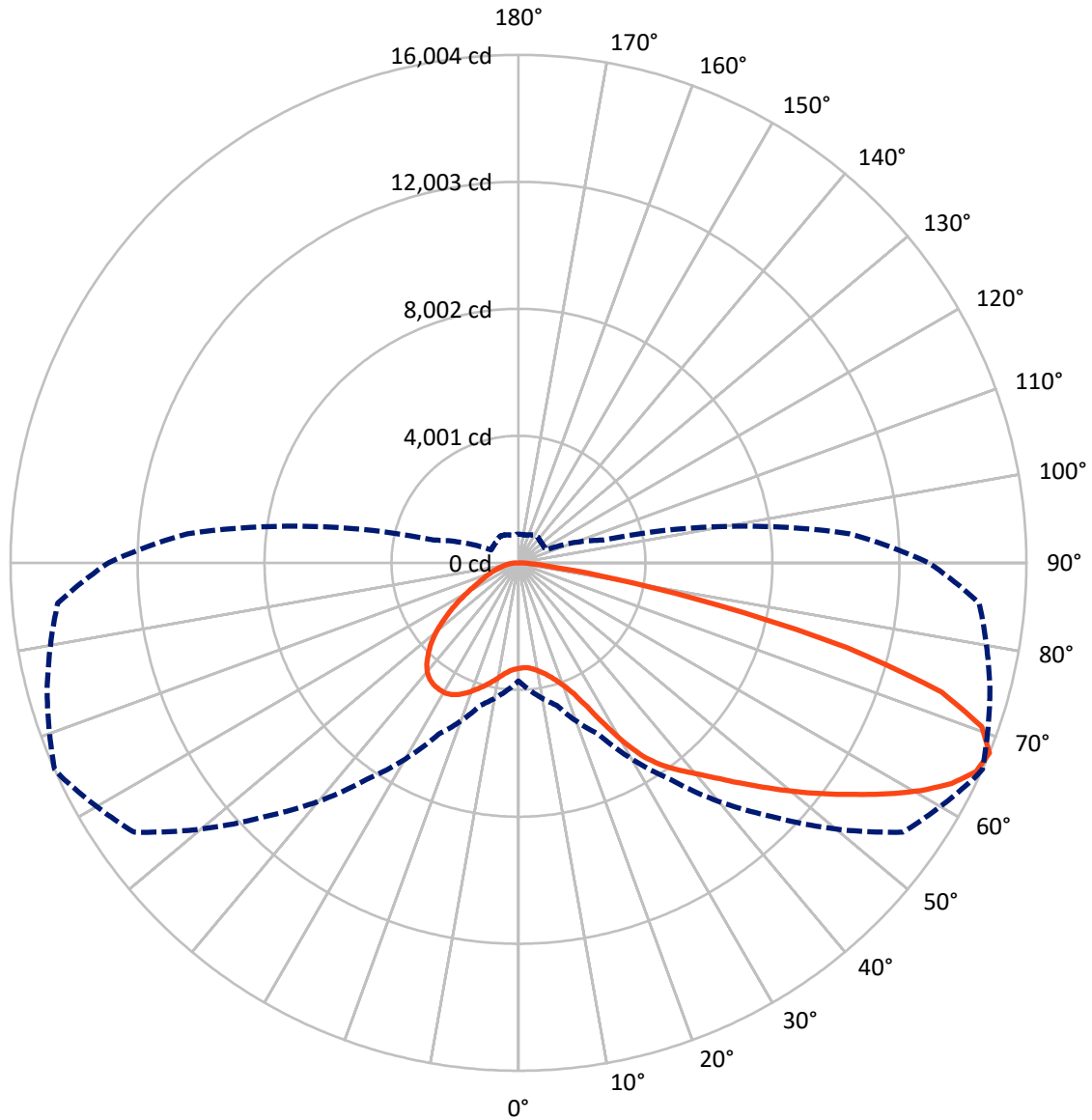
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	7454.7	0.0	7454.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22526.3	0.0	22526.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	29981.0	0.0	29981.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.7	1.1
10°-20°	1089.2	3.6
20°-30°	2099.5	7.0
30°-40°	3681.1	12.3
40°-50°	5472.7	18.3
50°-60°	6937.1	23.1
60°-70°	6787.8	22.6
70°-80°	3237.8	10.8
80°-90°	346.0	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°	29981.0	100.0
0°-180°	29981.0	100.0

Coefficient of Utilization

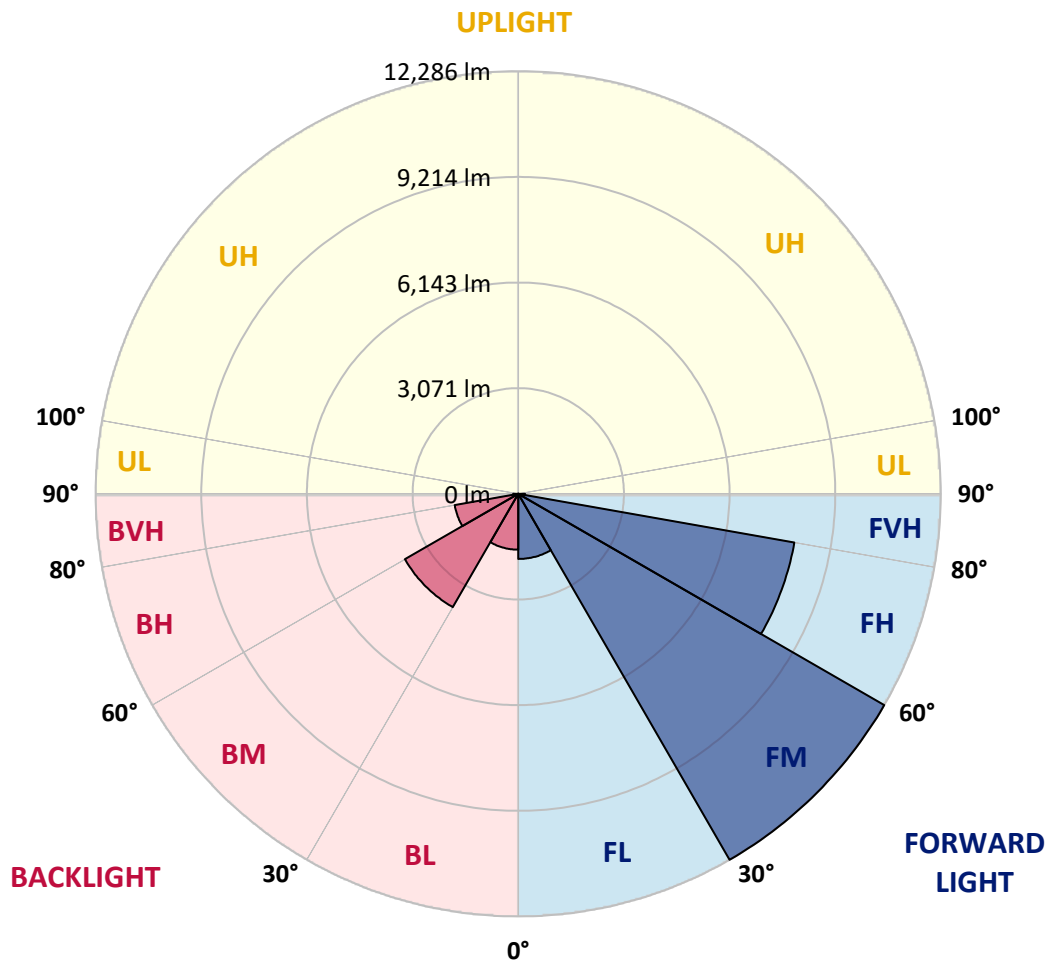


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1894.5	6.3			
FM (30°-60°)	12286.0	41.0			
FH (60°-80°)	8149.7	27.2			G4/12000
FVH (80°-90°)	196.2	0.7			G2/225
BL (0°-30°)	1623.9	5.4	B3/2500		
BM (30°-60°)	3805.0	12.7	B3/5000		
BH (60°-80°)	1876.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	149.8	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3
2.5°	3290.6	3309.5	3304.8	3296.9	3295.4	3298.5	3303.2	3308.0	3306.4	3314.3
5°	3281.2	3300.1	3298.5	3298.5	3304.8	3317.4	3325.3	3333.2	3325.3	3334.7
7.5°	3287.5	3301.7	3308.0	3314.3	3330.0	3353.6	3372.5	3389.9	3380.4	3391.4
10°	3367.8	3378.8	3385.1	3385.1	3396.2	3423.0	3441.9	3473.4	3465.5	3482.8
12.5°	3514.3	3525.3	3525.3	3519.0	3526.9	3544.2	3550.5	3585.2	3571.0	3599.4
15°	3693.9	3715.9	3698.6	3687.6	3690.7	3708.1	3706.5	3733.3	3719.1	3742.7
17.5°	3892.4	3920.7	3892.4	3890.8	3884.5	3903.4	3905.0	3928.6	3903.4	3920.7
20°	4127.1	4166.5	4142.8	4150.7	4136.5	4144.4	4152.3	4186.9	4147.6	4160.2
22.5°	4457.9	4505.1	4479.9	4509.9	4500.4	4494.1	4492.5	4554.0	4492.5	4497.3
25°	4939.9	4996.6	4952.5	4993.4	4993.4	5013.9	5037.6	5116.3	5013.9	4984.0
27.5°	5651.9	5708.6	5622.0	5647.2	5639.3	5689.7	5664.5	5859.8	5749.6	5700.7
30°	6508.8	6609.6	6445.8	6439.5	6431.6	6512.0	6548.2	6677.4	6565.5	6516.7
32.5°	7435.0	7540.6	7345.3	7288.5	7258.6	7307.4	7277.5	7381.5	7304.3	7228.7
35°	8414.8	8518.8	8332.9	8222.6	8102.9	8000.5	7893.4	7920.2	7847.7	7732.8
37.5°	9341.1	9531.7	9334.8	9216.6	8996.1	8796.0	8496.7	8372.3	8304.6	8199.0
40°	10284.6	10393.3	10243.7	10142.8	9903.4	9589.9	9111.1	8848.0	8756.6	8654.3
42.5°	10979.3	11083.2	11002.9	10933.6	10746.1	10382.3	9763.2	9434.0	9301.7	9186.7
45°	11530.6	11607.8	11557.4	11582.6	11502.3	11149.4	10439.0	10062.5	9925.5	9785.3
47.5°	11752.7	11834.6	11915.0	12064.6	12201.7	11941.7	11165.2	10743.0	10598.1	10454.7
50°	11727.5	11811.0	12044.1	12362.3	12787.6	12701.0	11930.7	11467.6	11333.7	11169.9
52.5°	11525.9	11620.4	11919.7	12449.0	13126.3	13269.7	12710.4	12215.8	12089.8	11894.5
55°	10996.6	11053.3	11502.3	12252.1	13206.6	13666.6	13474.4	13012.9	12886.9	12614.4
57.5°	10015.2	10097.2	10750.9	11721.2	13005.0	13936.0	14145.5	13850.9	13729.6	13337.4
60°	8734.6	8865.3	9613.6	10829.6	12491.5	13934.4	14755.1	14674.7	14573.9	14049.4
62.5°	7285.4	7436.6	8156.5	9569.5	11593.6	13539.0	15136.3	15364.7	15312.7	14706.3
65°	5595.2	5699.1	6415.9	7939.1	10196.4	12690.0	15180.4	15835.7	15845.1	15205.6
67.5°	3725.4	4024.7	4646.9	5957.5	8325.0	11302.2	14792.9	15912.9	16004.2	15377.3
70°	1817.8	2211.6	2821.2	3871.9	5957.5	9174.1	13780.0	15279.6	15482.8	14876.4
72.5°	754.5	882.1	1214.5	1910.7	3419.8	6190.6	11744.8	13562.6	13939.1	13181.4
75°	508.8	551.3	694.7	979.8	1557.9	3052.8	8470.0	10112.9	10719.4	9955.4
77.5°	392.2	419.0	505.6	685.2	926.2	1154.6	4533.5	6094.5	6408.0	5932.3
80°	308.7	329.2	378.1	499.3	656.9	617.5	1545.3	2761.4	2942.5	2468.4
82.5°	267.8	275.7	270.9	338.7	436.3	360.7	507.2	1019.2	1124.7	816.0
85°	193.8	215.8	225.3	209.5	231.6	182.7	207.9	360.7	397.0	354.4
87.5°	78.8	116.6	143.3	135.5	85.1	52.0	64.6	105.5	121.3	132.3
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°
3325.3	0°	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3	3325.3
3326.9	2.5°	3328.4	3339.5	3347.3	3356.8	3363.1	3372.5	3391.4	3402.5	3404.1	3411.9
3352.1	5°	3358.4	3374.1	3391.4	3416.7	3445.0	3468.6	3504.9	3530.1	3539.5	3547.4
3413.5	7.5°	3423.0	3445.0	3476.5	3520.6	3561.6	3593.1	3637.2	3667.1	3697.0	3708.1
3511.2	10°	3519.0	3550.5	3596.2	3656.1	3700.2	3741.1	3786.8	3812.0	3842.0	3854.6
3627.7	12.5°	3638.8	3671.8	3731.7	3815.2	3856.1	3884.5	3900.2	3893.9	3900.2	3911.3
3767.9	15°	3775.8	3812.0	3879.8	3969.6	3997.9	3972.7	3938.0	3906.5	3901.8	3905.0
3938.0	17.5°	3938.0	3964.8	4043.6	4119.2	4098.7	3994.8	3919.1	3868.7	3843.5	3835.7
4155.4	20°	4164.9	4164.9	4229.5	4276.7	4139.7	3963.3	3845.1	3763.2	3711.2	3689.2
4451.6	22.5°	4440.5	4415.3	4456.3	4423.2	4131.8	3875.0	3711.2	3569.4	3490.7	3459.2
4865.9	25°	4790.2	4760.3	4749.3	4544.5	4075.1	3734.8	3468.6	3296.9	3227.6	3210.3
5462.9	27.5°	5317.9	5242.3	5099.0	4610.7	3971.1	3514.3	3185.1	3026.0	2986.6	2988.2
6230.0	30°	6020.5	5869.3	5518.0	4621.7	3801.0	3202.4	2895.3	2781.8	2762.9	2770.8
6874.3	32.5°	6671.1	6527.7	5946.5	4571.3	3539.5	2896.8	2635.3	2559.7	2531.4	2540.8
7365.7	35°	7181.4	7142.0	6343.4	4500.4	3218.2	2610.1	2402.2	2337.6	2282.5	2269.9
7828.8	37.5°	7663.4	7647.7	6641.1	4401.2	2900.0	2406.9	2214.8	2129.7	2049.4	2005.3
8340.8	40°	8192.7	8177.0	6836.5	4248.4	2618.0	2230.5	2046.2	1934.4	1835.1	1754.8
8920.5	42.5°	8788.2	8695.2	6929.4	4029.4	2378.6	2080.9	1909.2	1757.9	1627.2	1553.2
9575.8	45°	9438.7	9229.2	6927.8	3750.6	2177.0	1943.8	1762.7	1548.4	1427.1	1357.8
10248.4	47.5°	10128.7	9739.6	6842.8	3441.9	1981.6	1792.6	1535.8	1372.0	1291.7	1249.1
10979.3	50°	10840.7	10216.9	6697.8	3087.4	1781.6	1620.9	1394.1	1282.2	1220.8	1181.4
11703.9	52.5°	11510.1	10650.1	6523.0	2685.7	1578.4	1453.9	1331.1	1244.4	1179.8	1135.7
12406.4	55°	12132.3	11023.4	6275.7	2274.6	1413.0	1342.1	1301.1	1228.7	1154.6	1102.7
13120.0	57.5°	12685.2	11266.0	5848.8	1888.7	1294.8	1264.9	1269.6	1201.9	1116.8	1072.7
13822.6	60°	13145.2	11444.0	5217.1	1531.1	1198.7	1189.3	1220.8	1151.5	1052.2	1001.8
14416.4	62.5°	13420.9	11440.8	4442.1	1253.9	1116.8	1120.0	1156.2	1088.5	987.7	940.4
14726.7	65°	13397.2	11160.4	3591.5	1072.7	1038.1	1041.2	1088.5	1019.2	934.1	905.8
14570.8	67.5°	12923.1	10476.8	2755.1	954.6	951.4	965.6	1020.7	971.9	901.0	897.9
13641.4	70°	11639.3	9057.5	1984.8	860.1	861.6	882.1	954.6	942.0	883.7	890.0
11469.2	72.5°	9333.2	6905.8	1332.6	760.8	762.4	795.5	891.6	918.4	866.4	949.9
8137.6	75°	6215.8	4306.7	856.9	655.3	656.9	699.4	836.4	872.7	819.1	946.7
4234.2	77.5°	2986.6	1935.9	620.6	551.3	551.3	590.7	723.0	781.3	697.8	735.6
1361.0	80°	1031.8	727.8	488.3	444.2	434.8	461.5	609.6	677.3	601.7	554.5
444.2	82.5°	406.4	378.1	392.2	345.0	313.5	330.8	474.1	559.2	442.6	400.1
250.5	85°	233.1	245.7	277.2	228.4	181.2	203.2	348.1	401.7	333.9	294.6
81.9	87.5°	63.0	86.6	127.6	118.1	81.9	86.6	165.4	222.1	192.2	148.1
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°
3325.3
3410.4
3545.8
3709.6
3860.9
3914.4
3916.0
3846.7
3684.4
3454.5
3213.4
2992.9
2797.6
2553.4
2279.3
2006.8
1762.7
1557.9
1354.7
1239.7
1167.2
1116.8
1082.2
1044.4
979.8
926.2
904.2
902.6
888.4
962.5
954.6
674.2
519.8
398.5
300.9
152.8
0.0

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