

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: P849808

Luminaire Tested: **GLAN-SB7A-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849808
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-SB7A-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31326 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

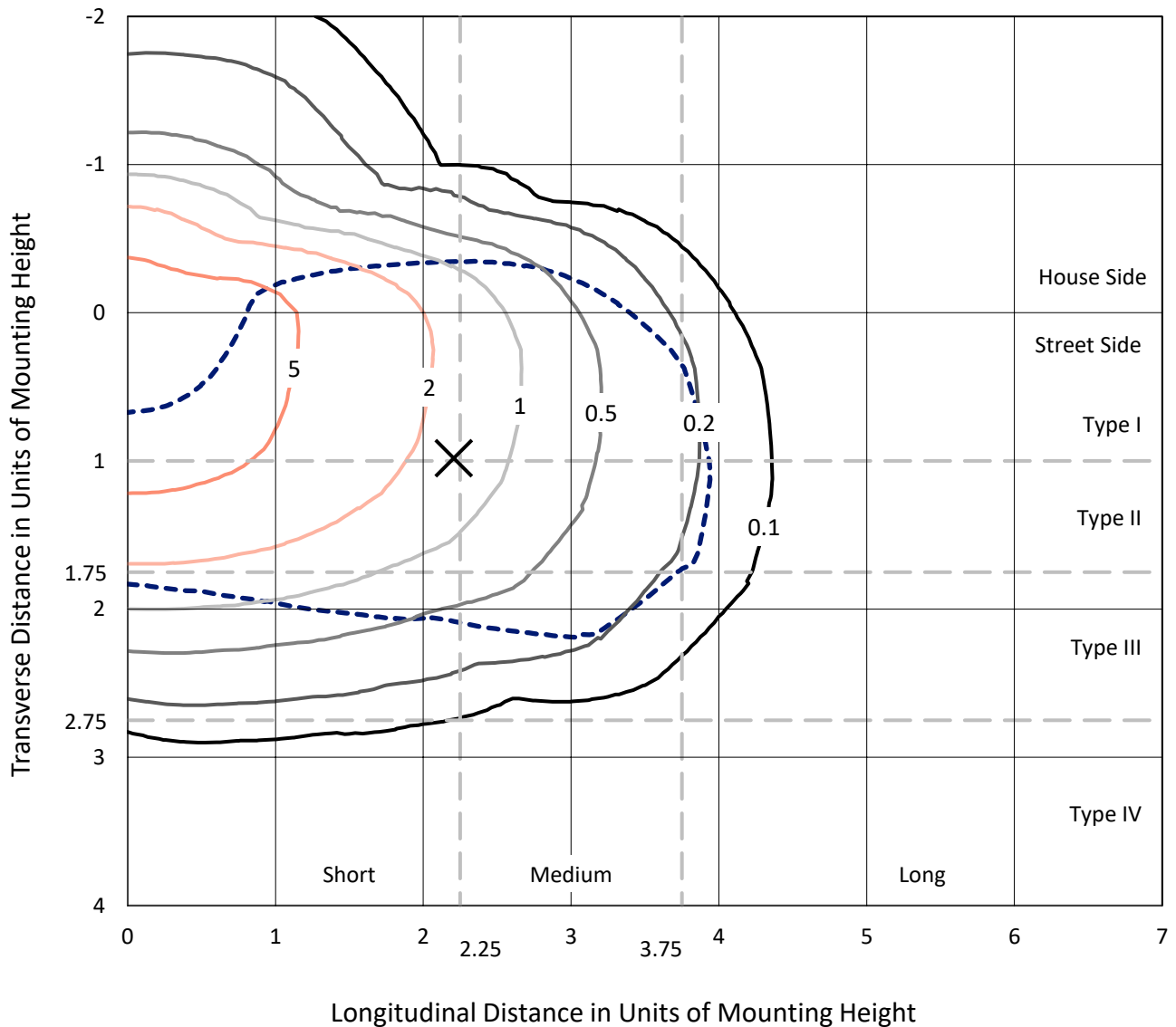
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

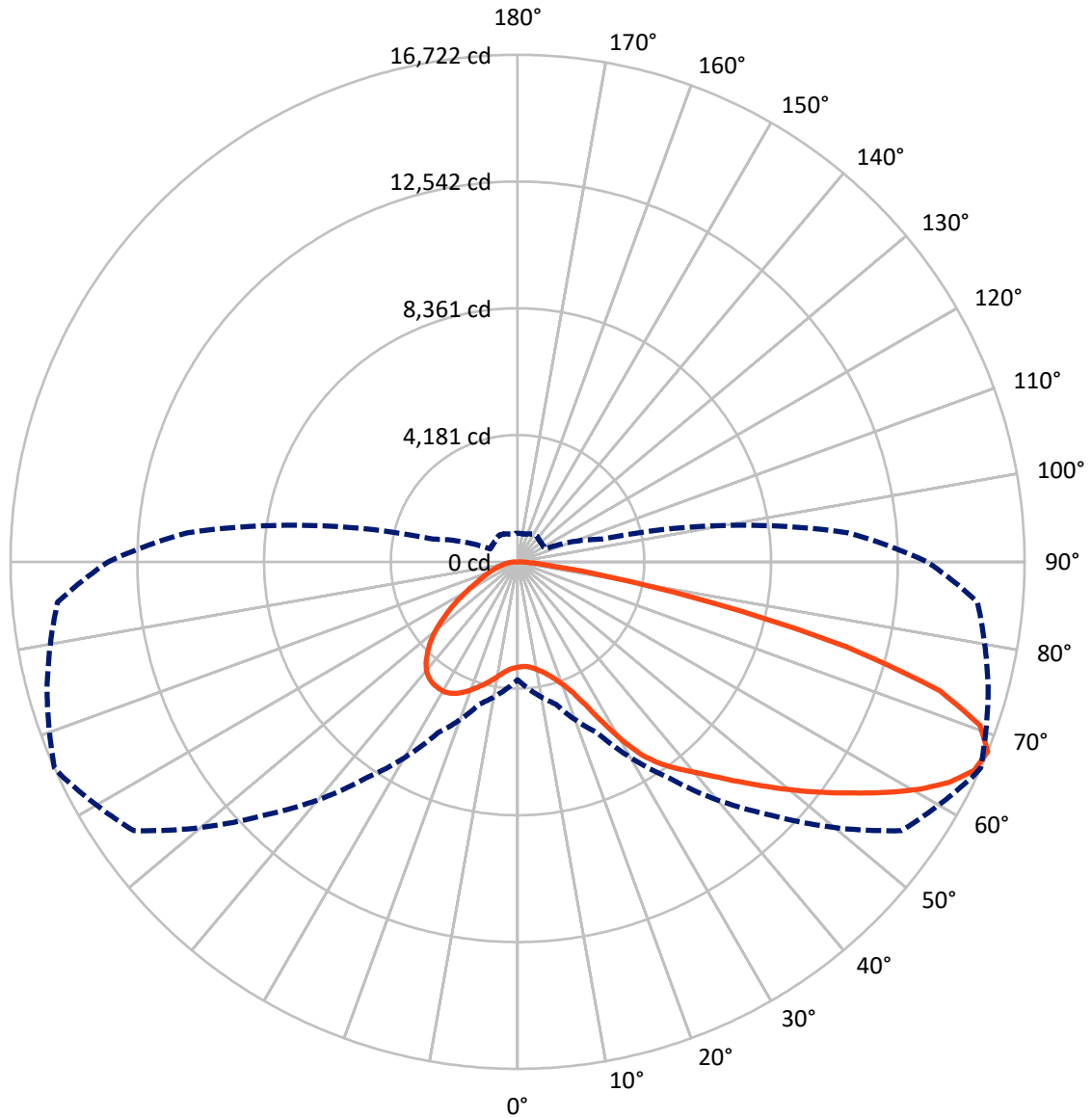
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	7789.1	0.0	7789.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23536.9	0.0	23536.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	31326.0	0.0	31326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	1.1
10°-20°	1138.1	3.6
20°-30°	2193.7	7.0
30°-40°	3846.3	12.3
40°-50°	5718.2	18.3
50°-60°	7248.3	23.1
60°-70°	7092.3	22.6
70°-80°	3383.1	10.8
80°-90°	361.6	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°	31326.0	100.0
0°-180°	31326.0	100.0

Coefficient of Utilization

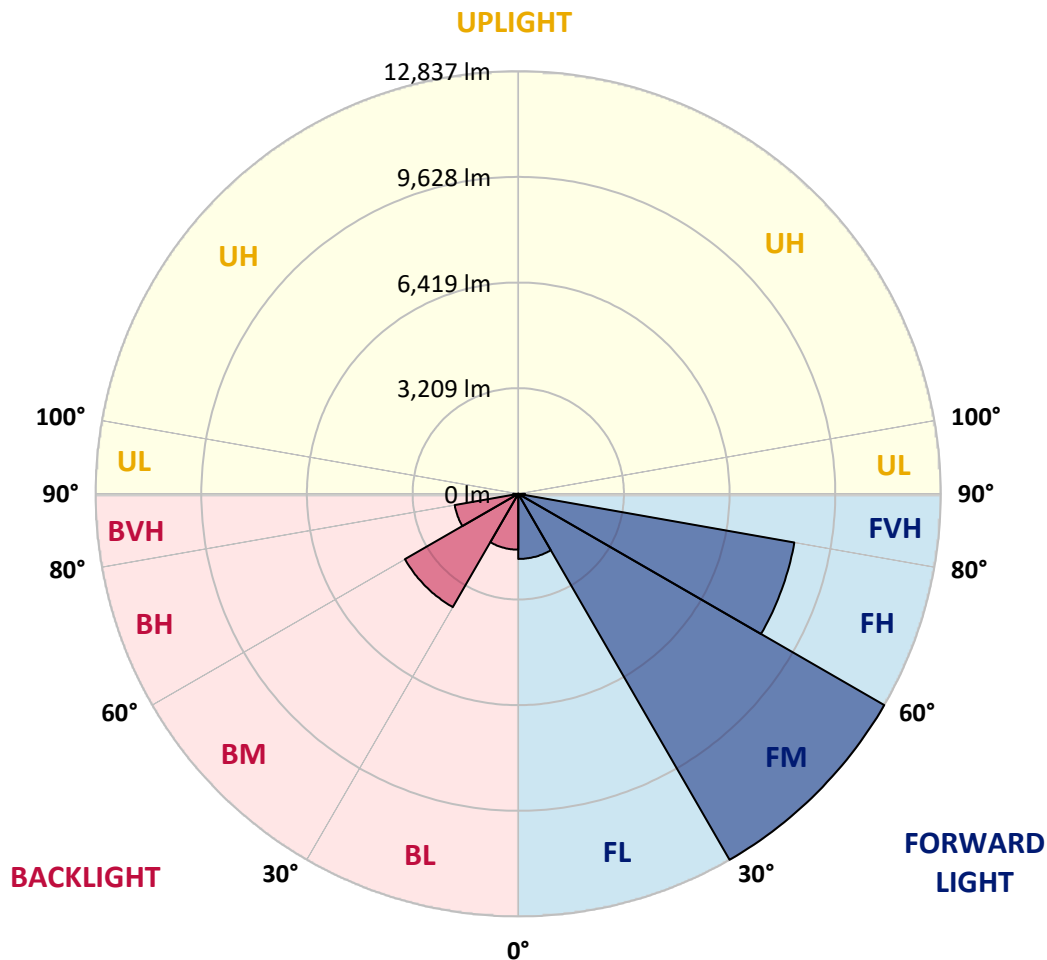


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1979.5	6.3			
FM (30°-60°)	12837.1	41.0			
FH (60°-80°)	8515.3	27.2			G4/12000
FVH (80°-90°)	205.0	0.7			G2/225
BL (0°-30°)	1696.8	5.4	B3/2500		
BM (30°-60°)	3975.7	12.7	B3/5000		
BH (60°-80°)	1960.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	156.6	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°	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5
2.5°	3438.3	3458.0	3453.1	3444.8	3443.2	3446.5	3451.4	3456.4	3454.7	3462.9
5°	3428.4	3448.1	3446.5	3446.5	3453.1	3466.2	3474.5	3482.7	3474.5	3484.3
7.5°	3435.0	3449.8	3456.4	3462.9	3479.4	3504.1	3523.8	3541.9	3532.1	3543.6
10°	3518.9	3530.4	3537.0	3537.0	3548.5	3576.5	3596.3	3629.2	3621.0	3639.1
12.5°	3672.0	3683.5	3683.5	3676.9	3685.1	3703.2	3709.8	3746.0	3731.2	3760.9
15°	3859.6	3882.6	3864.5	3853.0	3856.3	3874.4	3872.8	3900.8	3885.9	3910.6
17.5°	4067.0	4096.6	4067.0	4065.3	4058.8	4078.5	4080.2	4104.8	4078.5	4096.6
20°	4312.2	4353.4	4328.7	4336.9	4322.1	4330.3	4338.6	4374.8	4333.6	4346.8
22.5°	4657.9	4707.2	4680.9	4712.2	4702.3	4695.7	4694.1	4758.3	4694.1	4699.0
25°	5161.5	5220.8	5174.7	5217.5	5217.5	5238.9	5263.5	5345.8	5238.9	5207.6
27.5°	5905.4	5964.7	5874.2	5900.5	5892.3	5944.9	5918.6	6122.7	6007.5	5956.5
30°	6800.8	6906.1	6735.0	6728.4	6720.2	6804.1	6842.0	6976.9	6860.1	6809.0
32.5°	7768.6	7878.9	7674.8	7615.5	7584.2	7635.3	7604.0	7712.6	7632.0	7553.0
35°	8792.3	8901.0	8706.7	8591.5	8466.4	8359.5	8247.5	8275.5	8199.8	8079.7
37.5°	9760.1	9959.3	9753.5	9630.1	9399.7	9190.6	8877.9	8747.9	8677.1	8566.8
40°	10746.0	10859.6	10703.2	10597.9	10347.7	10020.2	9519.8	9244.9	9149.5	9042.5
42.5°	11471.8	11580.5	11496.5	11424.1	11228.2	10848.0	10201.2	9857.2	9719.0	9598.8
45°	12047.9	12128.5	12075.9	12102.2	12018.3	11649.6	10907.3	10513.9	10370.7	10224.2
47.5°	12280.0	12365.5	12449.5	12605.8	12749.0	12477.5	11666.0	11224.9	11073.5	10923.8
50°	12253.6	12340.9	12584.5	12916.9	13361.3	13270.8	12465.9	11982.1	11842.2	11671.0
52.5°	12043.0	12141.7	12454.4	13007.4	13715.2	13865.0	13280.7	12763.9	12632.2	12428.1
55°	11489.9	11549.2	12018.3	12801.7	13799.1	14279.7	14078.9	13596.7	13465.0	13180.3
57.5°	10464.5	10550.1	11233.2	12247.0	13588.4	14561.2	14780.1	14472.3	14345.6	13935.7
60°	9126.4	9263.1	10044.8	11315.5	13051.9	14559.5	15417.0	15333.1	15227.7	14679.7
62.5°	7612.2	7770.2	8522.4	9998.8	12113.7	14146.4	15815.3	16054.0	15999.7	15366.0
65°	5846.2	5954.8	6703.7	8295.3	10653.8	13259.3	15861.4	16546.1	16556.0	15887.7
67.5°	3892.5	4205.2	4855.4	6224.7	8698.5	11809.2	15456.5	16626.8	16722.2	16067.1
70°	1899.4	2310.8	2947.8	4045.6	6224.7	9585.6	14398.2	15965.1	16177.4	15543.8
72.5°	788.4	921.7	1269.0	1996.5	3573.2	6468.3	12271.7	14171.1	14564.5	13772.8
75°	531.6	576.1	725.8	1023.7	1627.8	3189.7	8849.9	10566.6	11200.3	10402.0
77.5°	409.8	437.8	528.3	716.0	967.8	1206.4	4736.9	6367.9	6695.5	6198.4
80°	322.6	344.0	395.0	521.7	686.3	645.2	1614.6	2885.2	3074.5	2579.1
82.5°	279.8	288.0	283.1	353.9	455.9	376.9	530.0	1064.9	1175.2	852.6
85°	202.4	225.5	235.4	218.9	241.9	190.9	217.3	376.9	414.8	370.3
87.5°	82.3	121.8	149.8	141.5	88.9	54.3	67.5	110.3	126.7	138.3
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°
3474.5	0°	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5	3474.5
3476.1	2.5°	3477.8	3489.3	3497.5	3507.4	3514.0	3523.8	3543.6	3555.1	3556.8	3565.0
3502.4	5°	3509.0	3525.5	3543.6	3569.9	3599.6	3624.2	3662.1	3688.4	3698.3	3706.5
3566.6	7.5°	3576.5	3599.6	3632.5	3678.6	3721.4	3754.3	3800.4	3831.6	3862.9	3874.4
3668.7	10°	3676.9	3709.8	3757.6	3820.1	3866.2	3909.0	3956.7	3983.0	4014.3	4027.5
3790.5	12.5°	3802.0	3836.6	3899.1	3986.3	4029.1	4058.8	4075.2	4068.6	4075.2	4086.7
3937.0	15°	3945.2	3983.0	4053.8	4147.6	4177.3	4150.9	4114.7	4081.8	4076.9	4080.2
4114.7	17.5°	4114.7	4142.7	4225.0	4304.0	4282.6	4174.0	4095.0	4042.3	4016.0	4007.7
4341.8	20°	4351.7	4351.7	4419.2	4468.6	4325.4	4141.1	4017.6	3932.0	3877.7	3854.7
4651.3	22.5°	4639.8	4613.4	4656.2	4621.7	4317.2	4048.9	3877.7	3729.6	3647.3	3614.4
5084.1	25°	5005.1	4973.9	4962.3	4748.4	4257.9	3902.4	3624.2	3444.8	3372.4	3354.3
5707.9	27.5°	5556.5	5477.5	5327.7	4817.5	4149.3	3672.0	3328.0	3161.7	3120.6	3122.2
6509.5	30°	6290.6	6132.6	5765.5	4829.0	3971.5	3346.1	3025.1	2906.6	2886.9	2895.1
7182.7	32.5°	6970.3	6820.6	6213.2	4776.4	3698.3	3026.8	2753.6	2674.6	2644.9	2654.8
7696.2	35°	7503.6	7462.5	6628.0	4702.3	3362.5	2727.2	2510.0	2442.5	2384.9	2371.7
8180.1	37.5°	8007.2	7990.8	6939.1	4598.6	3030.1	2514.9	2314.1	2225.2	2141.3	2095.2
8715.0	40°	8560.3	8543.8	7143.1	4439.0	2735.5	2330.6	2138.0	2021.1	1917.5	1833.5
9320.7	42.5°	9182.4	9085.3	7240.3	4210.2	2485.3	2174.2	1994.8	1836.8	1700.2	1622.8
10005.3	45°	9862.2	9643.3	7238.6	3918.9	2274.6	2031.0	1841.7	1617.9	1491.2	1418.8
10708.1	47.5°	10583.1	10176.5	7149.7	3596.3	2070.5	1873.0	1604.7	1433.6	1349.6	1305.2
11471.8	50°	11327.0	10675.2	6998.3	3225.9	1861.5	1693.6	1456.6	1339.8	1275.6	1234.4
12228.9	52.5°	12026.5	11127.8	6815.6	2806.2	1649.2	1519.2	1390.8	1300.3	1232.8	1186.7
12963.0	55°	12676.6	11517.9	6557.2	2376.7	1476.4	1402.3	1359.5	1283.8	1206.4	1152.1
13708.6	57.5°	13254.3	11771.4	6111.2	1973.4	1352.9	1321.6	1326.6	1255.8	1166.9	1120.8
14442.7	60°	13734.9	11957.4	5451.2	1599.8	1252.5	1242.6	1275.6	1203.1	1099.5	1046.8
15063.2	62.5°	14023.0	11954.1	4641.4	1310.1	1166.9	1170.2	1208.1	1137.3	1032.0	982.6
15387.4	65°	13998.3	11661.1	3752.6	1120.8	1084.6	1087.9	1137.3	1064.9	976.0	946.4
15224.5	67.5°	13502.9	10946.8	2878.7	997.4	994.1	1008.9	1066.5	1015.5	941.4	938.2
14253.4	70°	12161.5	9463.9	2073.8	898.7	900.3	921.7	997.4	984.2	923.3	929.9
11983.7	72.5°	9751.9	7215.6	1392.4	795.0	796.6	831.2	931.6	959.6	905.2	992.5
8502.7	75°	6494.7	4499.9	895.4	684.7	686.3	730.8	874.0	911.8	855.9	989.2
4424.1	77.5°	3120.6	2022.8	648.5	576.1	576.1	617.2	755.5	816.4	729.1	768.6
1422.0	80°	1078.1	760.4	510.2	464.1	454.3	482.2	637.0	707.7	628.7	579.4
464.1	82.5°	424.6	395.0	409.8	360.4	327.5	345.6	495.4	584.3	462.5	418.1
261.7	85°	243.6	256.8	289.7	238.7	189.3	212.3	363.7	419.7	348.9	307.8
85.6	87.5°	65.8	90.5	133.3	123.4	85.6	90.5	172.8	232.1	200.8	154.7
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°
3474.5
3563.3
3704.9
3876.1
4034.1
4090.0
4091.7
4019.3
3849.7
3609.4
3357.6
3127.2
2923.1
2668.0
2381.6
2096.9
1841.7
1627.8
1415.5
1295.3
1219.6
1166.9
1130.7
1091.2
1023.7
967.8
944.7
943.1
928.3
1005.6
997.4
704.4
543.1
416.4
314.4
159.7
0.0

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