

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: P848376

Luminaire Tested: **GLAN-SB4D-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27262 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

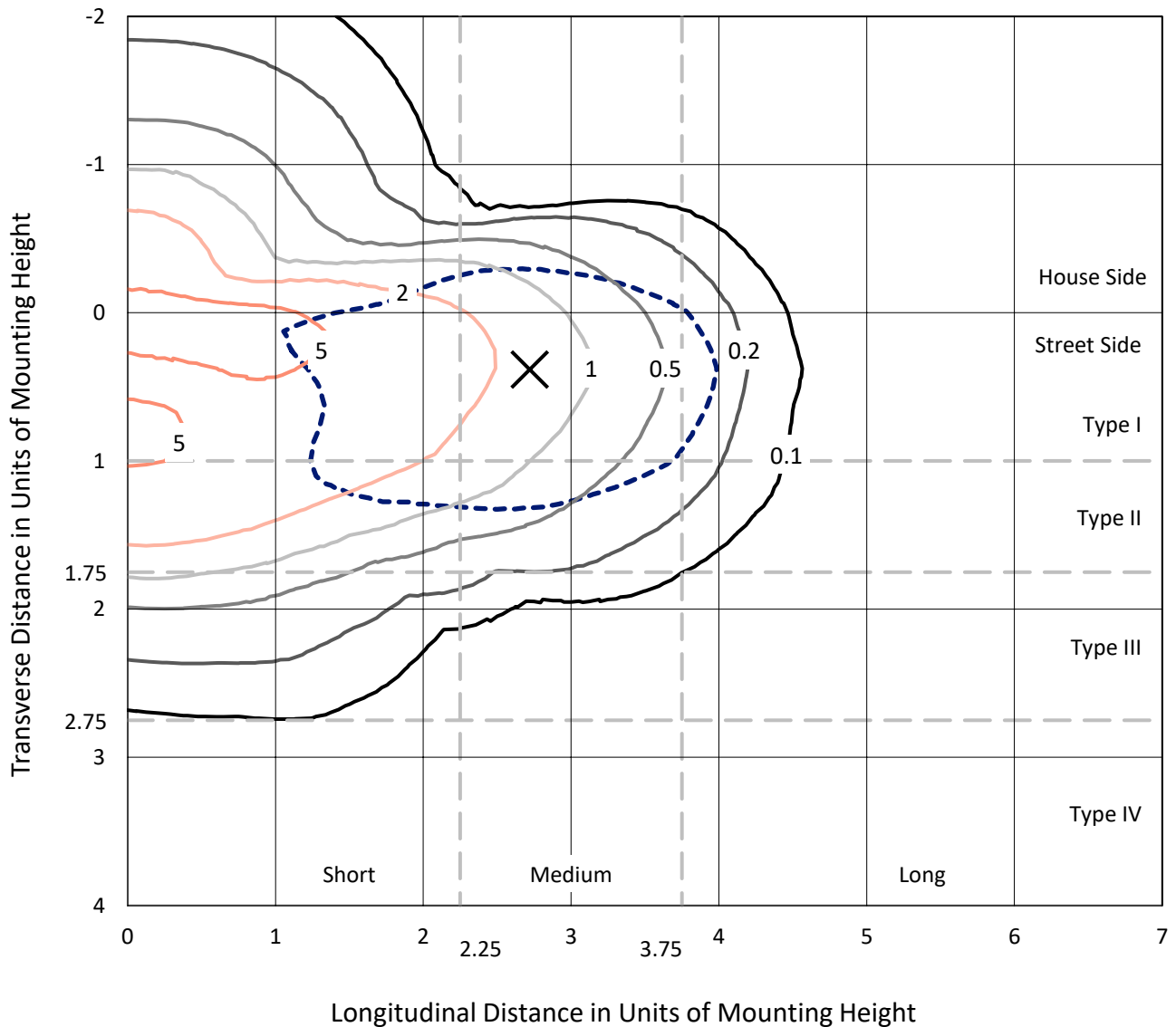
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

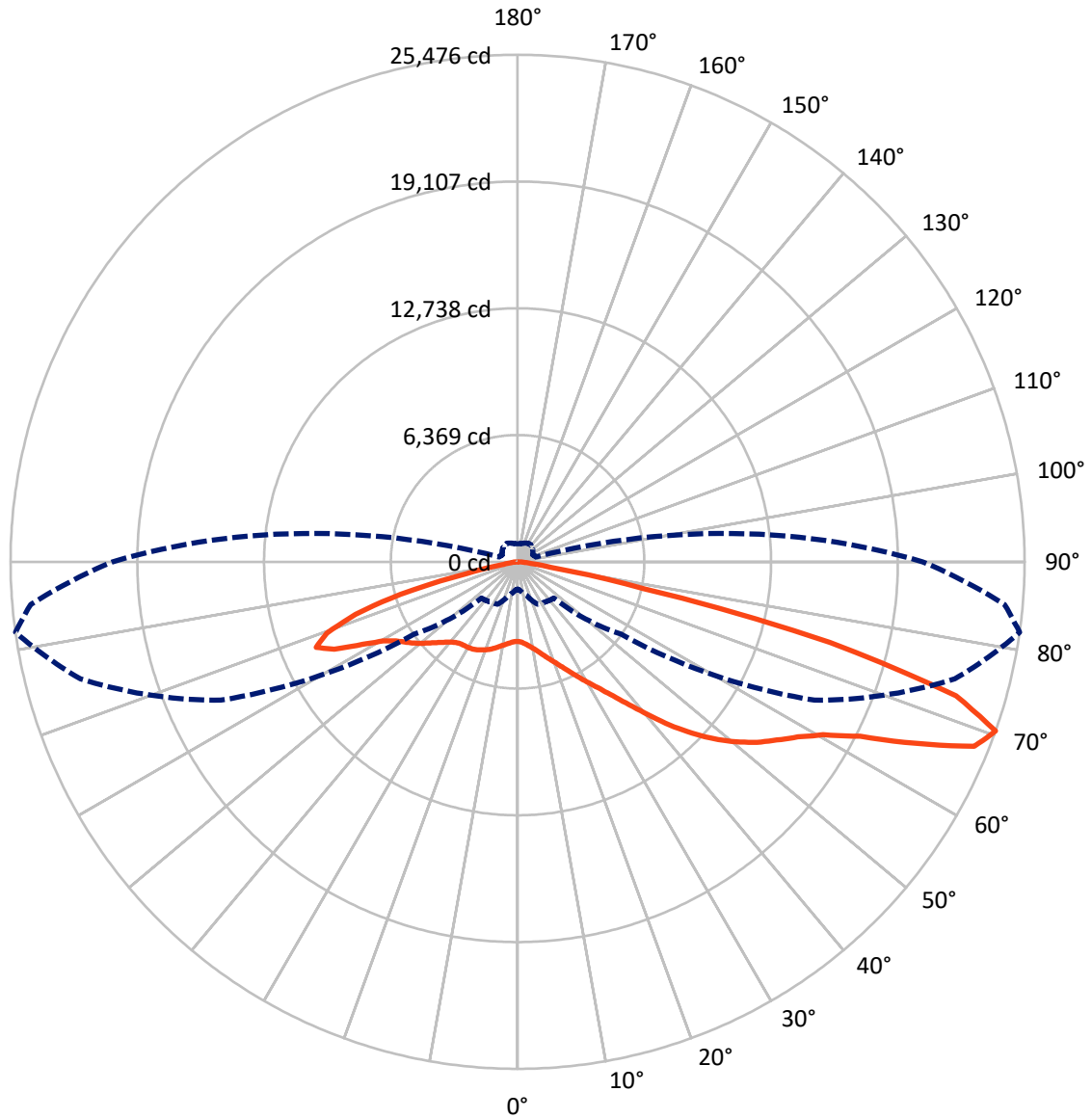
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6720.8	0.0	6720.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	20541.3	0.0	20541.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	27262.0	0.0	27262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.4	1.4
10°-20°	1084.2	4.0
20°-30°	1813.8	6.7
30°-40°	2833.7	10.4
40°-50°	4513.0	16.6
50°-60°	6280.3	23.0
60°-70°	6569.5	24.1
70°-80°	3433.6	12.6
80°-90°	356.5	1.3
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°	27262.0	100.0
0°-180°	27262.0	100.0

Coefficient of Utilization

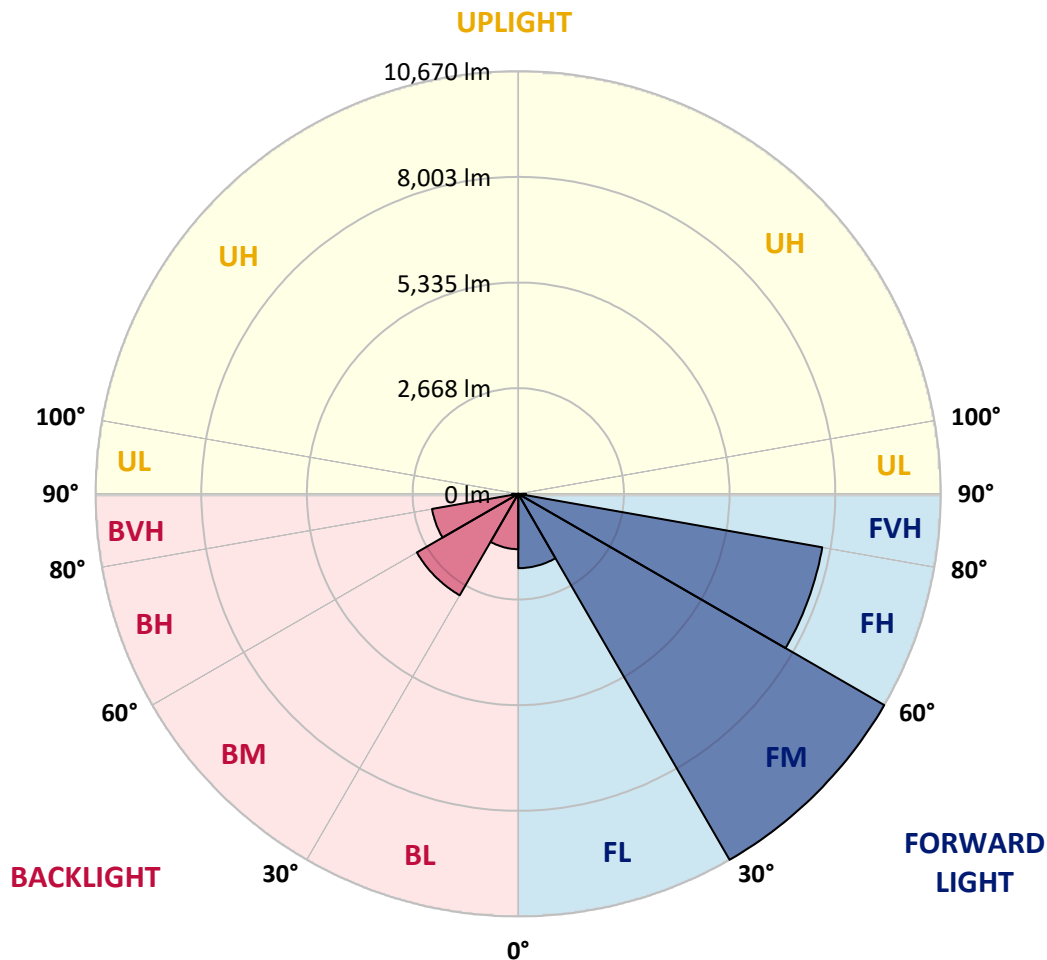


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1877.3	6.9			
FM (30°-60°)	10670.1	39.1			
FH (60°-80°)	7794.3	28.6			G4/12000
FVH (80°-90°)	199.6	0.7			G2/225
BL (0°-30°)	1398.2	5.1	B3/2500		
BM (30°-60°)	2956.9	10.8	B3/5000		
BH (60°-80°)	2208.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	156.9	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0
2.5°	4092.4	4115.6	4108.3	4101.1	4101.1	4091.0	4089.5	4075.1	4063.5	4044.7
5°	4144.5	4169.1	4166.2	4172.0	4190.8	4195.1	4199.5	4190.8	4167.6	4144.5
7.5°	4098.2	4125.7	4134.4	4169.1	4227.0	4279.0	4318.1	4334.0	4312.3	4279.0
10°	3942.0	3972.4	4002.7	4085.2	4187.9	4310.9	4415.0	4477.2	4472.9	4441.1
12.5°	3625.2	3657.0	3722.1	3882.7	4070.7	4287.7	4481.6	4611.8	4656.6	4633.5
15°	3372.0	3399.5	3448.7	3613.6	3858.1	4187.9	4506.2	4759.3	4873.6	4860.6
17.5°	3364.8	3376.4	3406.7	3484.9	3672.9	4031.7	4480.1	4904.0	5122.4	5121.0
20°	3492.1	3496.4	3513.8	3529.7	3636.7	3913.0	4413.6	5024.0	5401.6	5401.6
22.5°	3668.6	3665.7	3683.0	3668.6	3720.6	3902.9	4371.6	5129.6	5712.6	5735.8
25°	3933.3	3918.8	3914.5	3881.2	3891.3	3997.0	4417.9	5249.7	6081.5	6129.2
27.5°	4286.3	4263.1	4247.2	4170.5	4144.5	4190.8	4559.7	5394.4	6492.3	6574.8
30°	4746.3	4704.3	4681.2	4548.1	4454.1	4461.3	4773.8	5586.8	6922.0	7055.1
32.5°	5374.1	5309.0	5246.8	5028.4	4856.2	4799.8	5050.1	5852.9	7387.8	7600.4
35°	6077.2	6025.1	5958.5	5621.5	5356.8	5226.6	5423.3	6224.7	7933.1	8270.2
37.5°	6754.2	6709.3	6741.1	6286.9	5945.5	5756.0	5912.2	6723.8	8605.8	9103.4
40°	7454.3	7419.6	7423.9	6990.0	6592.1	6379.5	6505.4	7350.2	9376.8	10094.4
42.5°	8215.2	8189.2	8102.4	7717.6	7270.6	7072.4	7188.1	8073.5	10204.3	11222.7
45°	9067.3	9051.4	8970.4	8529.1	8017.0	7794.3	7950.5	8872.0	11036.1	12284.5
47.5°	9803.6	9816.6	9806.5	9434.7	8903.8	8576.9	8763.5	9705.2	11810.0	13282.7
50°	10158.0	10226.0	10325.8	10210.1	9880.3	9547.5	9583.7	10509.5	12547.8	14218.6
52.5°	9972.8	10101.6	10373.6	10558.7	10686.0	10616.6	10519.7	11308.1	13242.2	15063.4
55°	9282.8	9463.6	9915.0	10362.0	11011.5	11516.4	11643.7	12193.4	13919.2	15807.0
57.5°	8025.7	8319.4	8724.4	9628.6	10722.2	11951.8	12954.3	13421.5	14636.7	16601.2
60°	5870.3	6263.8	6767.2	8112.5	9709.6	11718.9	14069.6	15307.9	15656.5	17629.7
62.5°	3756.8	3999.8	4462.8	5730.0	7565.7	10525.4	14411.0	17665.9	17385.2	19316.4
65°	2572.1	2728.3	3152.1	3863.9	4890.9	7834.8	13496.8	19433.6	20130.9	21989.7
67.5°	1869.0	1987.6	2349.3	2972.8	3186.9	4636.3	10473.4	19352.6	22799.8	24744.1
70°	1362.7	1446.6	1750.4	2349.3	2452.0	2579.3	6344.8	16450.7	22742.0	25476.0
72.5°	1009.7	1067.6	1271.6	1822.7	1984.7	1741.7	3140.6	11956.1	19542.1	23042.9
75°	730.5	773.9	924.4	1394.5	1588.4	1326.5	1566.7	6987.1	13631.3	16209.1
77.5°	558.4	591.7	690.0	1021.3	1271.6	995.3	972.1	3214.3	6463.4	6495.2
80°	448.4	470.1	523.7	719.0	975.0	745.0	633.6	1297.6	2042.6	1728.7
82.5°	329.8	366.0	442.7	504.9	697.3	513.5	386.2	655.3	776.8	668.3
85°	188.1	212.6	267.6	361.6	445.6	313.9	221.3	290.8	361.6	296.6
87.5°	66.5	86.8	94.0	141.8	193.8	130.2	85.3	83.9	118.6	88.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848376
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3997.0	0°	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0
4040.3	2.5°	4025.9	4018.6	3989.7	3950.7	3910.2	3871.1	3858.1	3830.6	3811.8	3801.7
4134.4	5°	4106.9	4083.7	4015.8	3929.0	3837.8	3739.5	3670.0	3606.4	3560.1	3516.7
4263.1	7.5°	4222.6	4182.1	4064.9	3913.0	3751.0	3587.6	3466.0	3373.5	3311.3	3270.8
4413.6	10°	4357.2	4294.9	4115.6	3888.5	3638.2	3403.8	3260.6	3181.1	3142.0	3120.3
4585.7	12.5°	4511.9	4423.7	4167.6	3832.0	3466.0	3198.4	3100.1	3076.9	3078.4	3079.8
4802.7	15°	4702.9	4579.9	4209.6	3709.1	3241.8	3040.7	3023.4	3061.0	3100.1	3118.9
5048.6	17.5°	4918.4	4744.8	4216.8	3506.6	3021.9	2939.5	2994.5	3075.5	3134.8	3160.8
5323.5	20°	5149.9	4912.6	4164.8	3220.1	2841.1	2857.0	2955.4	3059.6	3124.7	3157.9
5637.4	22.5°	5414.6	5092.0	4040.3	2919.2	2693.6	2767.3	2883.1	2984.3	3052.3	3085.6
6006.3	25°	5717.0	5293.1	3845.1	2666.1	2566.3	2666.1	2781.8	2865.7	2920.7	2951.1
6418.6	27.5°	6052.6	5502.9	3584.7	2465.0	2454.9	2561.9	2657.4	2722.5	2751.4	2774.6
6856.9	30°	6389.6	5693.8	3269.3	2313.1	2358.0	2459.2	2527.2	2556.1	2564.8	2569.2
7345.8	32.5°	6754.2	5858.7	2938.0	2187.3	2265.4	2359.4	2399.9	2412.9	2372.4	2344.9
7938.9	35°	7195.4	6035.2	2614.0	2087.4	2174.2	2255.2	2268.3	2256.7	2209.0	2152.5
8682.5	37.5°	7740.7	6255.1	2355.1	2016.6	2088.9	2142.4	2126.5	2123.6	2127.9	2061.4
9576.5	40°	8409.1	6541.5	2165.6	1961.6	2019.5	2031.0	1986.2	2010.8	2032.5	1931.2
10557.3	42.5°	9151.2	6887.3	2045.5	1924.0	1961.6	1934.1	1864.7	1892.2	1889.3	1756.2
11542.4	45°	9907.7	7263.4	2003.5	1896.5	1908.1	1853.1	1776.4	1783.7	1722.9	1602.8
12487.0	47.5°	10660.0	7667.0	2029.6	1873.3	1841.5	1779.3	1720.0	1688.2	1598.5	1508.8
13392.6	50°	11397.7	8090.8	2125.1	1827.1	1750.4	1714.2	1670.8	1614.4	1518.9	1442.3
14249.0	52.5°	12082.0	8517.6	2232.1	1750.4	1636.1	1657.8	1630.3	1565.2	1471.2	1393.1
15059.1	55°	12730.1	8944.3	2274.1	1644.8	1529.1	1608.6	1592.7	1472.6	1359.8	1296.2
15906.8	57.5°	13436.0	9457.9	2227.8	1510.2	1442.3	1552.2	1491.4	1358.4	1293.3	1245.5
17010.5	60°	14413.9	10263.6	2127.9	1343.9	1359.8	1468.3	1364.1	1309.2	1238.3	1184.8
18665.5	62.5°	16038.4	11766.6	1967.4	1179.0	1262.9	1343.9	1303.4	1248.4	1176.1	1124.0
21495.0	65°	18439.8	13855.5	1665.0	1050.2	1154.4	1222.4	1238.3	1183.3	1108.1	1053.1
23974.5	67.5°	20465.0	15166.1	1260.0	943.2	1043.0	1124.0	1168.9	1115.3	1035.8	982.2
24554.6	70°	20353.6	14214.3	962.0	837.6	944.6	1027.1	1084.9	1043.0	957.6	907.0
22303.6	72.5°	18078.1	11891.0	778.3	730.5	844.8	925.8	995.3	963.4	876.6	827.5
16339.3	75°	13281.2	8440.9	622.0	622.0	720.4	820.2	896.9	876.6	797.1	762.4
6859.8	77.5°	5598.3	3541.3	487.5	516.4	598.9	704.5	800.0	807.2	737.8	781.2
1814.0	80°	1488.5	976.5	371.8	406.5	470.1	581.5	695.8	692.9	617.7	577.2
674.1	82.5°	567.1	384.8	264.7	286.4	340.0	445.6	551.2	568.5	493.3	426.7
264.7	85°	218.4	164.9	163.5	172.1	198.2	295.1	416.6	431.1	371.8	315.4
73.8	87.5°	56.4	49.2	60.8	57.9	91.1	157.7	238.7	247.4	227.1	131.6
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°
3997.0
3813.2
3534.0
3279.4
3126.1
3082.7
3117.4
3166.6
3166.6
3094.3
2959.7
2783.3
2579.3
2353.6
2155.4
2065.7
1934.1
1754.7
1607.2
1508.8
1436.5
1394.5
1290.4
1241.2
1181.9
1124.0
1056.0
983.7
911.4
827.5
752.2
708.8
536.7
426.7
325.5
188.1
0.0

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