

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: P849056

Luminaire Tested: **GLAN-SB5D-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849056
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-SB5D-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 34362 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

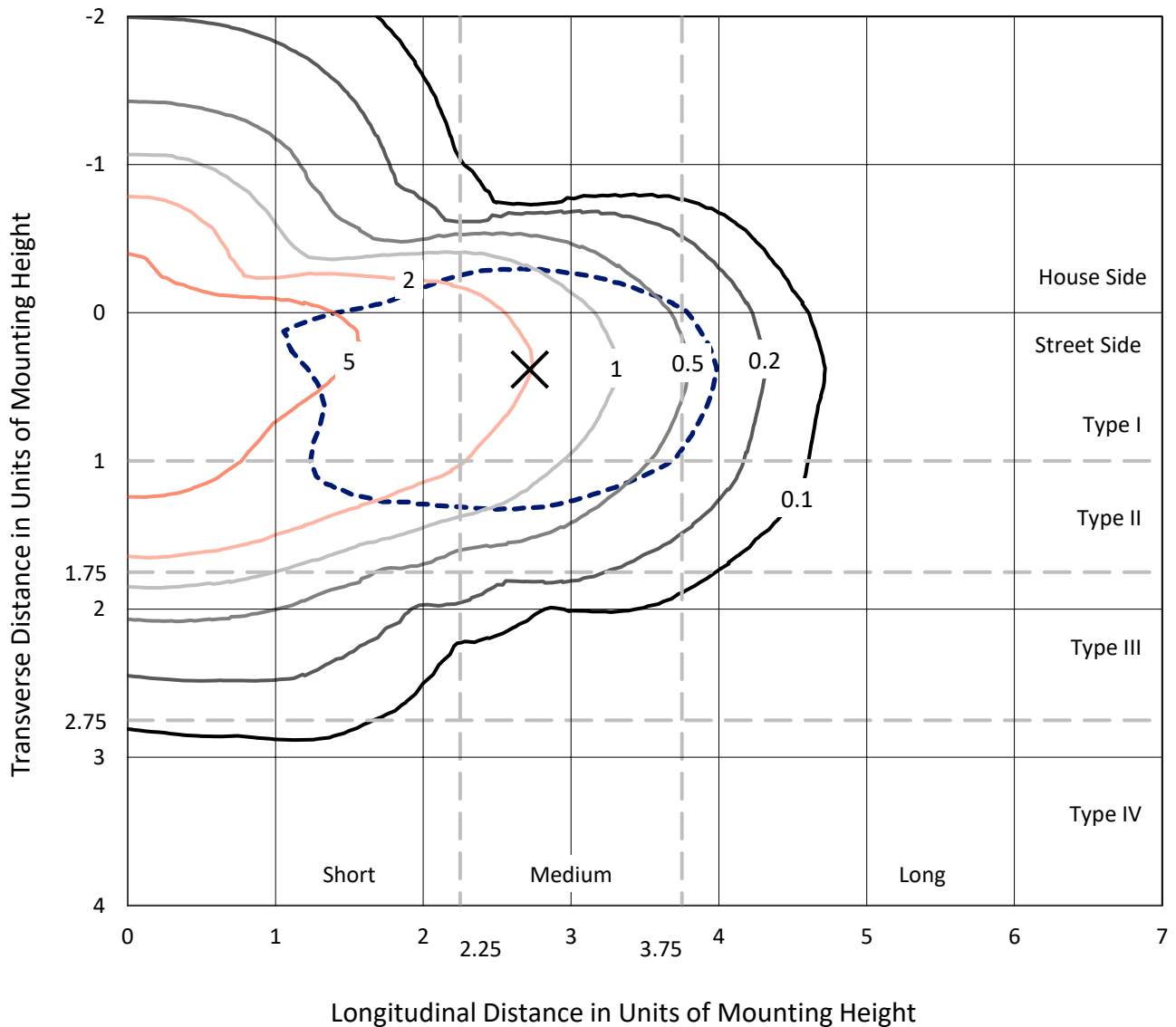
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

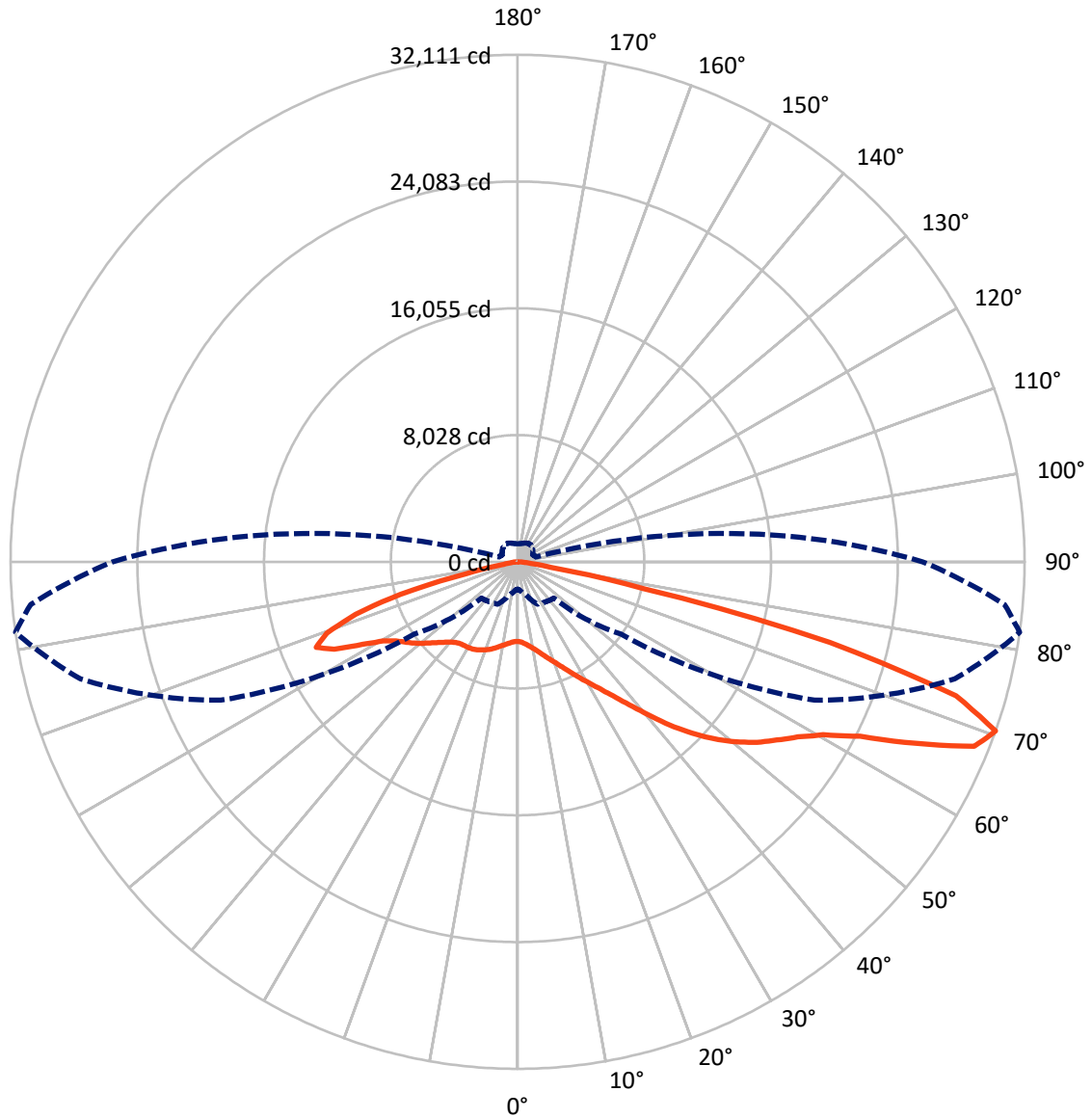
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	8471.1	0.0	8471.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25890.9	0.0	25890.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	34362.0	0.0	34362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.7	1.4
10°-20°	1366.6	4.0
20°-30°	2286.2	6.7
30°-40°	3571.7	10.4
40°-50°	5688.3	16.6
50°-60°	7915.9	23.0
60°-70°	8280.4	24.1
70°-80°	4327.8	12.6
80°-90°	449.4	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°	34362.0	100.0
0°-180°	34362.0	100.0

Coefficient of Utilization

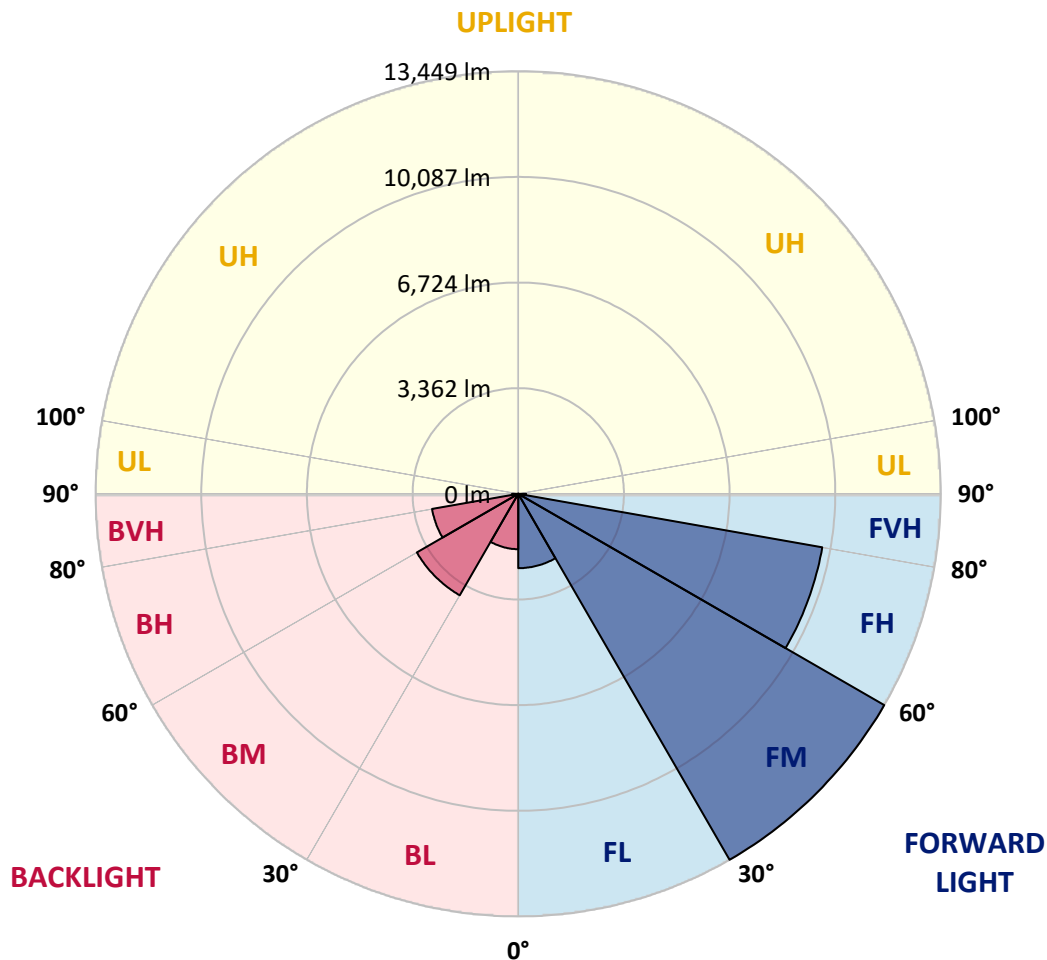


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2366.2	6.9			
FM (30°-60°)	13448.9	39.1			
FH (60°-80°)	9824.2	28.6			G4/12000
FVH (80°-90°)	251.6	0.7			G3/500
BL (0°-30°)	1762.3	5.1	B3/2500		
BM (30°-60°)	3726.9	10.8	B3/5000		
BH (60°-80°)	2784.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	197.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9
2.5°	5158.2	5187.4	5178.3	5169.2	5169.2	5156.4	5154.6	5136.4	5121.8	5098.1
5°	5223.9	5254.9	5251.2	5258.5	5282.2	5287.7	5293.2	5282.2	5253.1	5223.9
7.5°	5165.5	5200.2	5211.1	5254.9	5327.8	5393.5	5442.7	5462.7	5435.4	5393.5
10°	4968.6	5006.9	5045.2	5149.1	5278.6	5433.6	5564.8	5643.2	5637.8	5597.7
12.5°	4569.3	4609.4	4691.5	4893.9	5130.9	5404.4	5648.7	5812.8	5869.3	5840.2
15°	4250.2	4284.9	4346.9	4554.7	4862.9	5278.6	5679.7	5998.8	6142.8	6126.4
17.5°	4241.1	4255.7	4294.0	4392.4	4629.5	5081.7	5646.9	6181.1	6456.5	6454.6
20°	4401.6	4407.0	4428.9	4449.0	4583.9	4932.1	5563.0	6332.5	6808.4	6808.4
22.5°	4624.0	4620.4	4642.2	4624.0	4689.6	4919.4	5510.1	6465.6	7200.4	7229.6
25°	4957.7	4939.4	4934.0	4892.0	4904.8	5037.9	5568.5	6616.9	7665.3	7725.5
27.5°	5402.6	5373.4	5353.3	5256.7	5223.9	5282.2	5747.2	6799.2	8183.2	8287.1
30°	5982.4	5929.5	5900.3	5732.6	5614.1	5623.2	6017.0	7041.8	8724.7	8892.4
32.5°	6773.7	6691.7	6613.3	6337.9	6121.0	6049.9	6365.3	7377.2	9311.8	9579.8
35°	7659.9	7594.2	7510.4	7085.5	6751.8	6587.7	6835.7	7845.8	9999.2	10424.1
37.5°	8513.2	8456.7	8496.8	7924.3	7493.9	7255.1	7452.0	8474.9	10847.1	11474.3
40°	9395.7	9351.9	9357.4	8810.4	8309.0	8040.9	8199.6	9264.4	11818.9	12723.3
42.5°	10354.8	10321.9	10212.5	9727.5	9164.1	8914.3	9060.2	10176.1	12861.9	14145.5
45°	11428.7	11408.7	11306.6	10750.4	10105.0	9824.2	10021.1	11182.6	13910.3	15483.8
47.5°	12356.8	12373.2	12360.4	11891.8	11222.7	10810.6	11045.8	12232.8	14885.8	16741.9
50°	12803.5	12889.2	13015.0	12869.2	12453.4	12034.1	12079.7	13246.6	15815.7	17921.6
52.5°	12570.1	12732.4	13075.2	13308.6	13469.0	13381.5	13259.4	14253.1	16690.9	18986.5
55°	11700.4	11928.3	12497.2	13060.6	13879.3	14515.6	14676.1	15369.0	17544.2	19923.7
57.5°	10115.9	10486.1	10996.6	12136.2	13514.6	15064.5	16328.0	16917.0	18448.6	20924.7
60°	7399.1	7895.1	8529.6	10225.3	12238.3	14770.9	17733.8	19294.6	19734.0	22221.1
62.5°	4735.2	5041.5	5625.0	7222.3	9536.1	13266.6	18164.2	22266.7	21912.9	24347.1
65°	3241.9	3438.8	3973.1	4870.2	6164.7	9875.2	17011.8	24494.8	25373.7	27716.6
67.5°	2355.8	2505.3	2961.1	3747.0	4016.8	5843.8	13201.0	24392.7	28737.7	31188.3
70°	1717.6	1823.3	2206.2	2961.1	3090.6	3251.0	7997.2	20735.1	28664.8	32110.9
72.5°	1272.7	1345.6	1602.7	2297.4	2501.6	2195.3	3958.5	15069.9	24631.6	29044.0
75°	920.8	975.5	1165.1	1757.7	2002.0	1672.0	1974.7	8806.8	17181.4	20430.6
77.5°	703.8	745.7	869.7	1287.3	1602.7	1254.5	1225.3	4051.5	8146.7	8186.8
80°	565.2	592.6	660.1	906.2	1228.9	939.0	798.6	1635.5	2574.6	2178.9
82.5°	415.7	461.3	557.9	636.3	878.9	647.3	486.8	826.0	979.1	842.4
85°	237.0	268.0	337.3	455.8	561.6	395.7	279.0	366.5	455.8	373.8
87.5°	83.9	109.4	118.5	178.7	244.3	164.1	107.6	105.8	149.5	111.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849056
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5037.9	0°	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9	5037.9
5092.6	2.5°	5074.4	5065.2	5028.8	4979.6	4928.5	4879.3	4862.9	4828.2	4804.5	4791.7
5211.1	5°	5176.5	5147.3	5061.6	4952.2	4837.3	4713.3	4625.8	4545.6	4487.2	4432.5
5373.4	7.5°	5322.3	5271.3	5123.6	4932.1	4727.9	4521.9	4368.7	4252.0	4173.6	4122.6
5563.0	10°	5491.9	5413.5	5187.4	4901.1	4585.7	4290.3	4109.8	4009.5	3960.3	3933.0
5780.0	12.5°	5687.0	5575.8	5253.1	4830.0	4368.7	4031.4	3907.4	3878.3	3880.1	3881.9
6053.5	15°	5927.7	5772.7	5305.9	4675.1	4086.1	3832.7	3810.8	3858.2	3907.4	3931.1
6363.5	17.5°	6199.4	5980.6	5315.0	4419.8	3809.0	3705.0	3774.3	3876.4	3951.2	3984.0
6709.9	20°	6491.1	6192.1	5249.4	4058.8	3581.0	3601.1	3725.1	3856.4	3938.4	3980.4
7105.6	22.5°	6824.8	6418.2	5092.6	3679.5	3395.1	3488.1	3633.9	3761.6	3847.3	3889.2
7570.5	25°	7205.9	6671.6	4846.4	3360.4	3234.6	3360.4	3506.3	3612.0	3681.3	3719.6
8090.2	27.5°	7628.9	6936.0	4518.2	3107.0	3094.2	3229.1	3349.5	3431.5	3468.0	3497.2
8642.6	30°	8053.7	7176.7	4120.8	2915.5	2972.1	3099.7	3185.4	3221.8	3232.8	3238.3
9258.9	32.5°	8513.2	7384.5	3703.2	2756.9	2855.4	2973.9	3024.9	3041.3	2990.3	2955.6
10006.5	35°	9069.3	7607.0	3294.8	2631.1	2740.5	2842.6	2859.0	2844.4	2784.2	2713.1
10943.7	37.5°	9756.7	7884.1	2968.4	2541.7	2632.9	2700.4	2680.3	2676.7	2682.1	2598.3
12070.5	40°	10599.1	8245.2	2729.5	2472.5	2545.4	2560.0	2503.5	2534.4	2561.8	2434.2
13306.8	42.5°	11534.5	8680.9	2578.2	2425.0	2472.5	2437.8	2350.3	2384.9	2381.3	2213.5
14548.5	45°	12488.1	9155.0	2525.3	2390.4	2405.0	2335.7	2239.1	2248.2	2171.6	2020.3
15739.1	47.5°	13436.2	9663.7	2558.2	2361.2	2321.1	2242.7	2168.0	2127.8	2014.8	1901.7
16880.5	50°	14366.1	10198.0	2678.5	2302.9	2206.2	2160.7	2106.0	2034.9	1914.5	1817.9
17959.9	52.5°	15228.6	10735.8	2813.4	2206.2	2062.2	2089.6	2054.9	1972.9	1854.3	1755.9
18981.0	55°	16045.4	11273.7	2866.3	2073.1	1927.3	2027.6	2007.5	1856.2	1713.9	1633.7
20049.5	57.5°	16935.2	11921.0	2807.9	1903.6	1817.9	1956.4	1879.9	1712.1	1630.1	1569.9
21440.7	60°	18167.8	12936.6	2682.1	1693.9	1713.9	1850.7	1719.4	1650.1	1560.8	1493.3
23526.6	62.5°	20215.4	14831.1	2479.7	1486.0	1591.8	1693.9	1642.8	1573.5	1482.4	1416.7
27093.1	65°	23242.2	17464.0	2098.7	1323.7	1455.0	1540.7	1560.8	1491.5	1396.7	1327.4
30218.3	67.5°	25794.8	19115.9	1588.1	1188.8	1314.6	1416.7	1473.3	1405.8	1305.5	1238.1
30949.4	70°	25654.4	17916.2	1212.5	1055.7	1190.6	1294.6	1367.5	1314.6	1207.1	1143.2
28112.3	72.5°	22786.3	14987.9	981.0	920.8	1064.8	1166.9	1254.5	1214.3	1104.9	1043.0
20594.7	75°	16740.1	10639.2	784.0	784.0	908.0	1033.8	1130.5	1104.9	1004.7	960.9
8646.3	77.5°	7056.3	4463.5	614.5	650.9	754.9	888.0	1008.3	1017.4	929.9	984.6
2286.5	80°	1876.2	1230.8	468.6	512.4	592.6	733.0	877.0	873.4	778.6	727.5
849.7	82.5°	714.8	485.0	333.7	361.0	428.5	561.6	694.7	716.6	621.8	537.9
333.7	85°	275.3	207.9	206.0	217.0	249.8	372.0	525.1	543.4	468.6	397.5
93.0	87.5°	71.1	62.0	76.6	72.9	114.9	198.7	300.9	311.8	286.3	165.9
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°
5037.9
4806.3
4454.4
4133.5
3940.2
3885.5
3929.3
3991.3
3991.3
3900.1
3730.6
3508.1
3251.0
2966.6
2716.8
2603.7
2437.8
2211.7
2025.7
1901.7
1810.6
1757.7
1626.4
1564.4
1489.7
1416.7
1331.0
1239.9
1148.7
1043.0
948.1
893.4
676.5
537.9
410.3
237.0
0.0

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