

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: P850406

Luminaire Tested: **GLAN-SB7D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850406
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-SB7D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46177 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

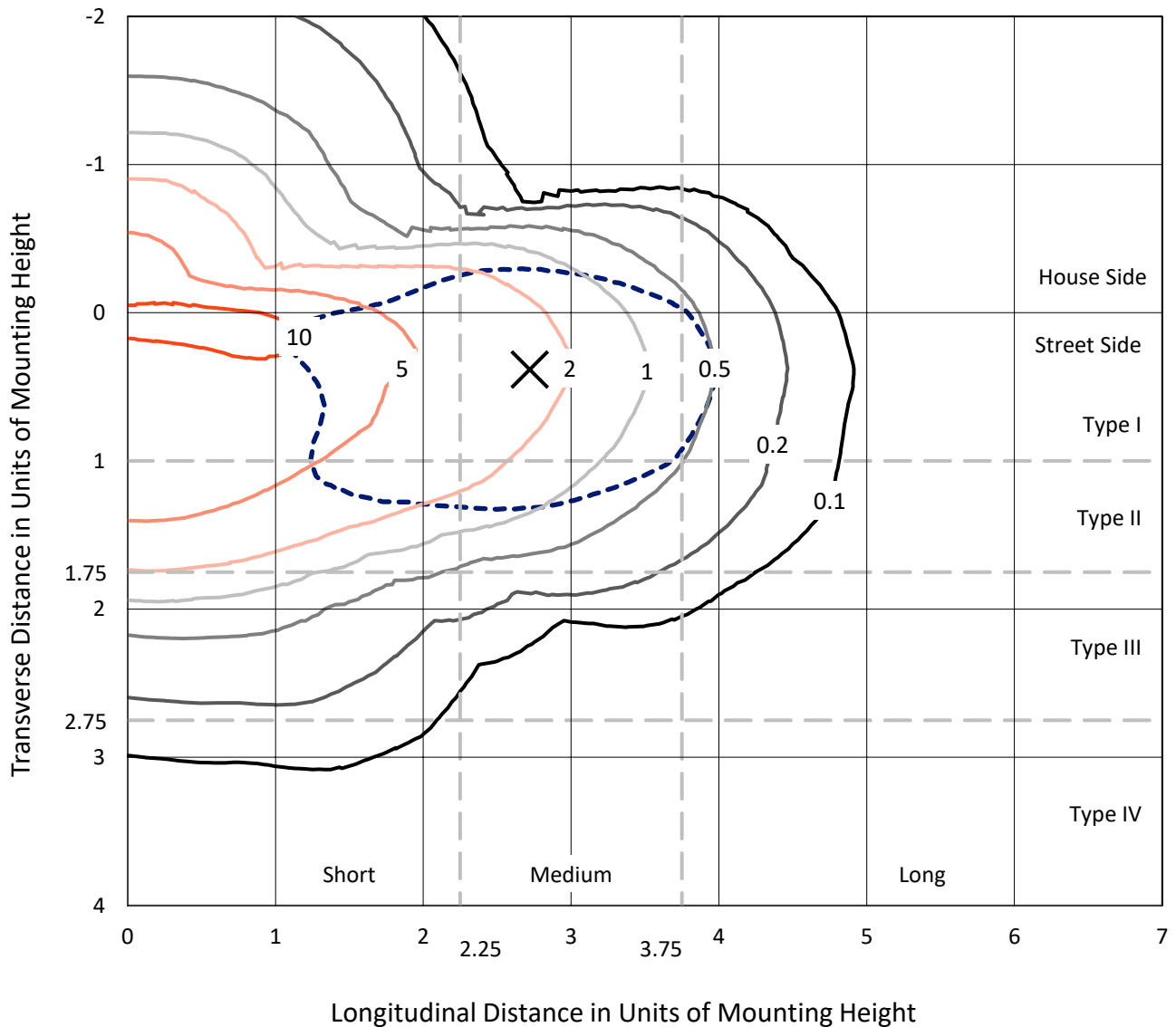
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

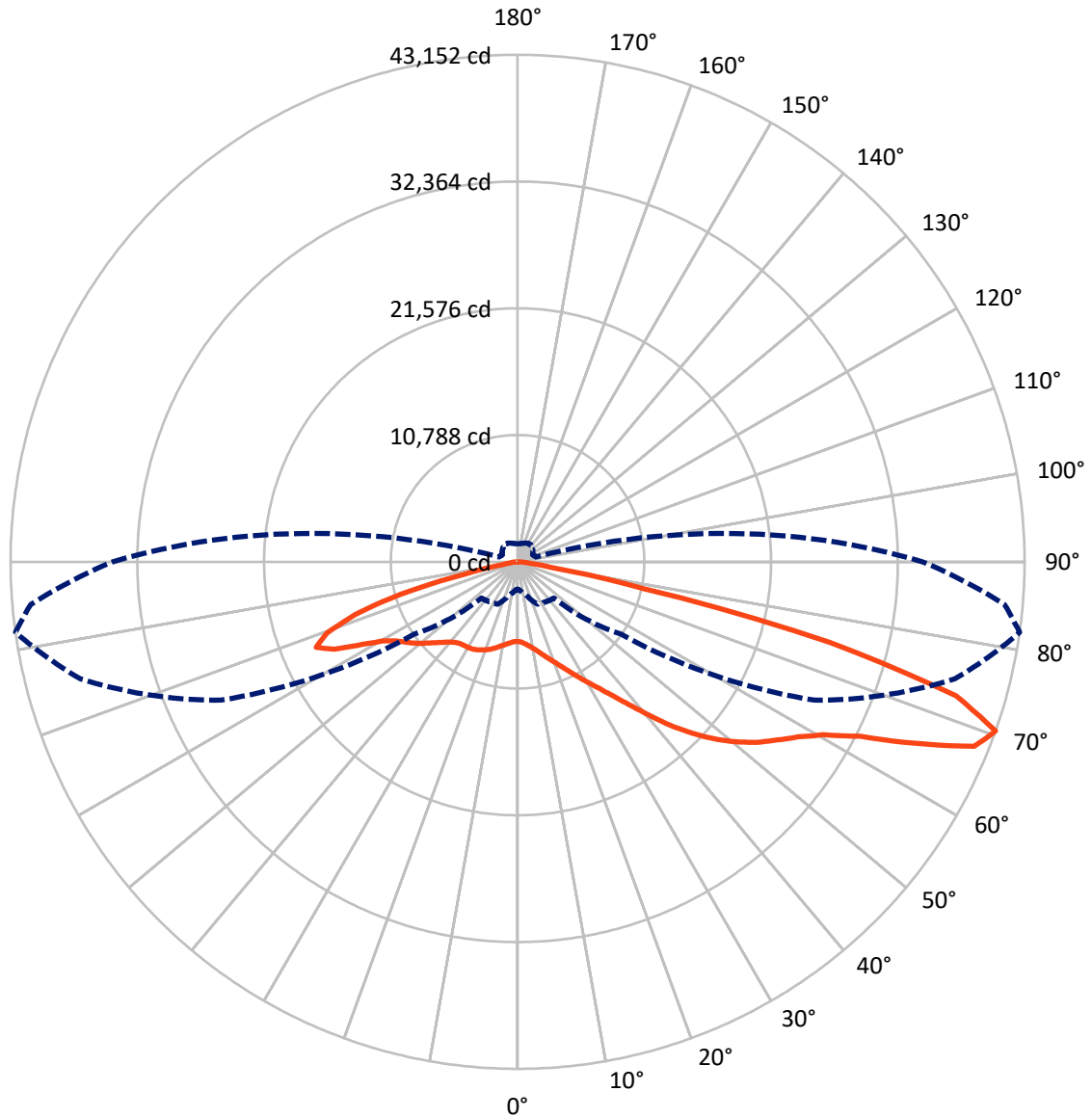
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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	11383.8	0.0	11383.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	34793.2	0.0	34793.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	46177.0	0.0	46177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.2	1.4
10°-20°	1836.5	4.0
20°-30°	3072.3	6.7
30°-40°	4799.7	10.4
40°-50°	7644.1	16.6
50°-60°	10637.7	23.0
60°-70°	11127.6	24.1
70°-80°	5815.9	12.6
80°-90°	603.9	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°	46177.0	100.0
0°-180°	46177.0	100.0

Coefficient of Utilization



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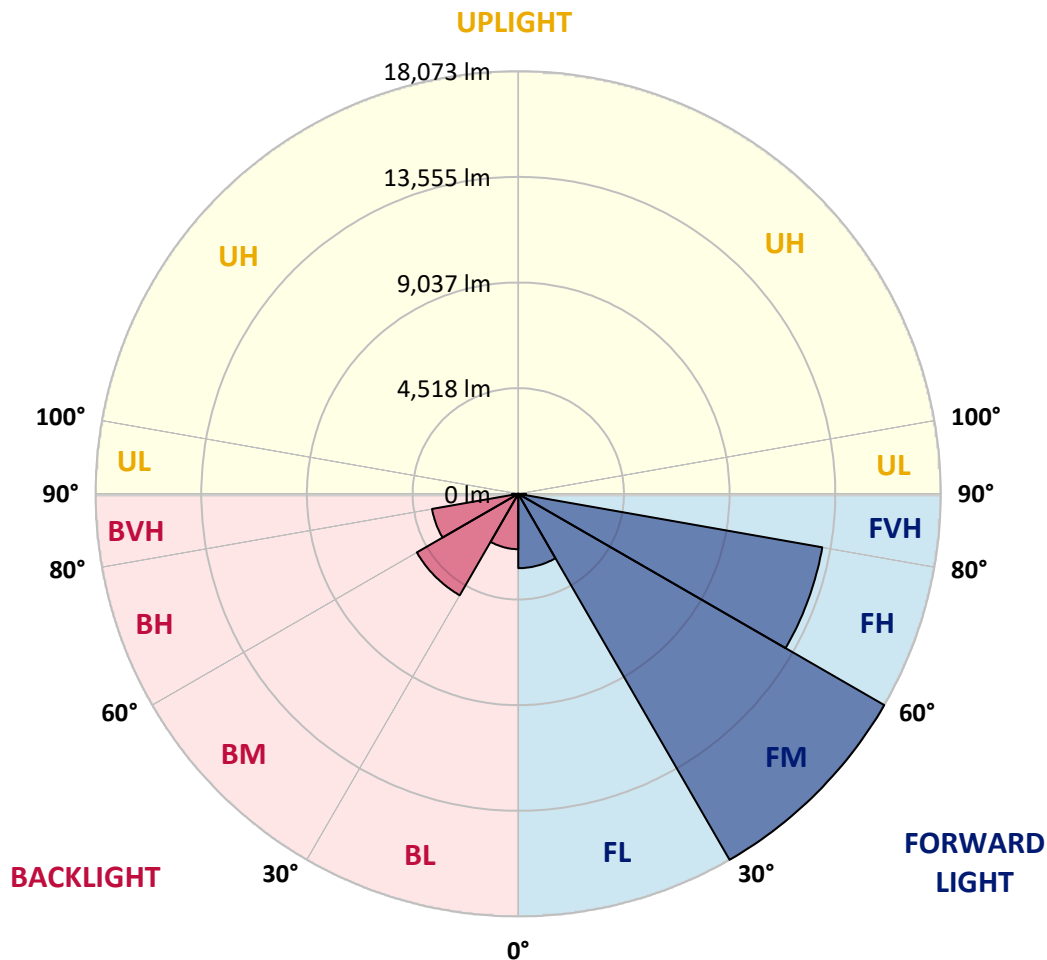
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3179.8	6.9			
FM (30°-60°)	18073.2	39.1			
FH (60°-80°)	13202.2	28.6			G5
FVH (80°-90°)	338.1	0.7			G3/500
BL (0°-30°)	2368.2	5.1	B3/2500		
BM (30°-60°)	5008.4	10.8	B4/8500		
BH (60°-80°)	3741.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	265.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1
2.5°	6931.8	6971.0	6958.8	6946.5	6946.5	6929.4	6926.9	6902.4	6882.8	6851.0
5°	7020.1	7061.7	7056.8	7066.6	7098.5	7105.8	7113.2	7098.5	7059.3	7020.1
7.5°	6941.6	6988.2	7002.9	7061.7	7159.7	7247.9	7314.1	7341.0	7304.3	7247.9
10°	6677.0	6728.5	6779.9	6919.6	7093.6	7301.8	7478.3	7583.6	7576.3	7522.4
12.5°	6140.4	6194.3	6304.6	6576.6	6895.1	7262.6	7591.0	7811.5	7887.5	7848.2
15°	5711.6	5758.2	5841.5	6120.8	6534.9	7093.6	7632.6	8061.4	8255.0	8232.9
17.5°	5699.4	5719.0	5770.4	5902.7	6221.3	6828.9	7588.5	8306.5	8676.4	8674.0
20°	5915.0	5922.3	5951.7	5978.7	6160.0	6628.0	7475.8	8509.8	9149.3	9149.3
22.5°	6213.9	6209.0	6238.4	6213.9	6302.1	6610.9	7404.7	8688.7	9676.2	9715.4
25°	6662.3	6637.8	6630.5	6574.1	6591.3	6770.1	7483.2	8892.1	10301.0	10381.8
27.5°	7260.2	7221.0	7194.0	7064.2	7020.1	7098.5	7723.3	9137.1	10996.9	11136.5
30°	8039.4	7968.3	7929.1	7703.7	7544.4	7556.7	8085.9	9463.0	11724.6	11950.0
32.5°	9102.8	8992.5	8887.2	8517.2	8225.6	8130.0	8553.9	9913.8	12513.6	12873.8
35°	10293.6	10205.4	10092.7	9521.8	9073.4	8852.9	9186.1	10543.6	13437.3	14008.3
37.5°	11440.4	11364.4	11418.3	10648.9	10070.7	9749.7	10014.3	11388.9	14576.7	15419.6
40°	12626.3	12567.5	12574.8	11839.8	11165.9	10805.7	11018.9	12449.9	15882.7	17098.1
42.5°	13915.1	13871.0	13724.0	13072.2	12315.1	11979.4	12175.4	13675.0	17284.3	19009.3
45°	15358.4	15331.4	15194.2	14446.9	13579.5	13202.1	13466.7	15027.6	18693.2	20807.8
47.5°	16605.6	16627.6	16610.5	15980.7	15081.5	14527.7	14843.8	16438.9	20004.1	22498.5
50°	17205.9	17321.0	17490.1	17294.1	16735.4	16171.9	16233.1	17801.3	21253.7	24083.8
52.5°	16892.2	17110.3	17571.0	17884.6	18100.2	17982.6	17818.4	19153.8	22429.9	25514.8
55°	15723.5	16029.7	16794.2	17551.4	18651.5	19506.7	19722.3	20653.4	23576.6	26774.2
57.5°	13594.2	14091.6	14777.6	16309.1	18161.5	20244.2	21942.3	22733.7	24791.9	28119.4
60°	9943.2	10609.7	11462.4	13741.2	16446.3	19849.7	23831.4	25928.9	26519.4	29861.6
62.5°	6363.4	6775.0	7559.1	9705.6	12815.0	17828.2	24409.7	29922.8	29447.5	32718.6
65°	4356.6	4621.2	5339.2	6544.7	8284.4	13270.7	22861.1	32917.1	34098.1	37246.7
67.5°	3165.8	3366.7	3979.3	5035.3	5398.0	7853.1	17740.0	32779.9	38618.9	41912.1
70°	2308.2	2450.3	2964.8	3979.3	4153.2	4368.9	10746.9	27864.6	38520.9	43151.9
72.5°	1710.3	1808.3	2153.8	3087.4	3361.8	2950.1	5319.6	20251.6	33100.8	39030.5
75°	1237.4	1310.9	1565.7	2362.1	2690.4	2246.9	2653.7	11834.9	23089.0	27455.4
77.5°	945.8	1002.2	1168.8	1729.9	2153.8	1685.8	1646.6	5444.5	10947.9	11001.8
80°	759.6	796.3	887.0	1217.8	1651.5	1261.9	1073.2	2197.9	3459.8	2928.1
82.5°	558.7	619.9	749.8	855.1	1181.0	869.8	654.2	1110.0	1315.8	1132.0
85°	318.5	360.2	453.3	612.6	754.7	531.7	374.9	492.5	612.6	502.3
87.5°	112.7	147.0	159.3	240.1	328.3	220.5	144.6	142.1	200.9	149.5
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°
6770.1	0°	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1	6770.1
6843.6	2.5°	6819.1	6806.9	6757.9	6691.7	6623.1	6557.0	6534.9	6488.3	6456.5	6439.3
7002.9	5°	6956.3	6917.1	6802.0	6655.0	6500.6	6334.0	6216.4	6108.5	6030.1	5956.6
7221.0	7.5°	7152.4	7083.8	6885.3	6628.0	6353.6	6076.7	5870.9	5714.1	5608.7	5540.1
7475.8	10°	7380.2	7274.9	6971.0	6586.4	6162.5	5765.5	5522.9	5388.2	5322.0	5285.3
7767.4	12.5°	7642.4	7493.0	7059.3	6490.8	5870.9	5417.6	5251.0	5211.7	5214.2	5216.6
8134.9	15°	7965.9	7757.6	7130.3	6282.5	5491.1	5150.5	5121.1	5184.8	5251.0	5282.8
8551.5	17.5°	8331.0	8036.9	7142.6	5939.5	5118.6	4979.0	5072.1	5209.3	5309.8	5353.9
9017.0	20°	8723.0	8321.2	7054.4	5454.3	4812.4	4839.3	5005.9	5182.3	5292.6	5349.0
9548.7	22.5°	9171.4	8625.0	6843.6	4944.7	4562.4	4687.4	4883.4	5054.9	5170.1	5226.4
10173.6	25°	9683.5	8965.6	6512.8	4515.9	4346.8	4515.9	4711.9	4854.0	4947.1	4998.6
10871.9	27.5°	10252.0	9320.9	6071.8	4175.3	4158.1	4339.4	4501.2	4611.4	4660.4	4699.6
11614.3	30°	10822.9	9644.3	5537.6	3918.0	3994.0	4165.5	4280.6	4329.6	4344.3	4351.7
12442.5	32.5°	11440.4	9923.6	4976.5	3704.8	3837.1	3996.4	4065.0	4087.1	4018.5	3971.9
13447.1	35°	12187.7	10222.6	4427.7	3535.8	3682.8	3820.0	3842.0	3822.4	3741.6	3646.0
14706.6	37.5°	13111.5	10595.0	3989.1	3415.7	3538.2	3628.9	3601.9	3597.0	3604.4	3491.7
16220.9	40°	14243.5	11080.2	3668.1	3322.6	3420.6	3440.2	3364.2	3405.9	3442.6	3271.1
17882.1	42.5°	15500.5	11665.8	3464.7	3258.9	3322.6	3276.0	3158.4	3205.0	3200.1	2974.6
19550.8	45°	16782.0	12302.9	3393.6	3212.3	3231.9	3138.8	3008.9	3021.2	2918.3	2714.9
21150.8	47.5°	18056.1	12986.5	3437.7	3173.1	3119.2	3013.8	2913.4	2859.5	2707.6	2555.6
22684.7	50°	19305.8	13704.4	3599.5	3094.7	2964.8	2903.6	2830.1	2734.5	2572.8	2442.9
24135.3	52.5°	20464.7	14427.3	3780.8	2964.8	2771.3	2808.0	2761.5	2651.2	2491.9	2359.6
25507.4	55°	21562.5	15150.1	3851.8	2786.0	2589.9	2724.7	2697.8	2494.4	2303.3	2195.5
26943.3	57.5°	22758.2	16019.9	3773.4	2558.1	2442.9	2629.2	2526.2	2300.8	2190.6	2109.7
28812.9	60°	24414.6	17384.7	3604.4	2276.3	2303.3	2487.0	2310.6	2217.5	2097.4	2006.8
31616.0	62.5°	27166.3	19930.6	3332.4	1997.0	2139.1	2276.3	2207.7	2114.6	1992.1	1903.9
36408.7	65°	31233.7	23468.8	2820.3	1778.9	1955.3	2070.5	2097.4	2004.3	1876.9	1783.8
40608.5	67.5°	34664.1	25688.7	2134.2	1597.6	1766.7	1903.9	1979.8	1889.2	1754.4	1663.7
41591.1	70°	34475.4	24076.5	1629.4	1418.7	1600.0	1739.7	1837.7	1766.7	1622.1	1536.3
37778.4	72.5°	30621.2	20141.3	1318.3	1237.4	1431.0	1568.2	1685.8	1631.9	1484.9	1401.6
27675.9	75°	22496.0	14297.4	1053.6	1053.6	1220.2	1389.3	1519.2	1484.9	1350.1	1291.3
11619.2	77.5°	9482.6	5998.3	825.7	874.8	1014.4	1193.3	1355.0	1367.3	1249.6	1323.2
3072.7	80°	2521.3	1653.9	629.7	688.5	796.3	985.0	1178.6	1173.7	1046.3	977.7
1141.8	82.5°	960.5	651.8	448.4	485.2	575.8	754.7	933.6	963.0	835.5	722.8
448.4	85°	370.0	279.3	276.9	291.6	335.7	499.9	705.7	730.2	629.7	534.2
125.0	87.5°	95.6	83.3	102.9	98.0	154.4	267.1	404.3	419.0	384.7	223.0
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°
6770.1
6458.9
5986.0
5554.8
5295.1
5221.5
5280.4
5363.7
5363.7
5241.2
5013.3
4714.3
4368.9
3986.6
3650.9
3499.0
3276.0
2972.2
2722.3
2555.6
2433.1
2362.1
2185.7
2102.3
2001.9
1903.9
1788.7
1666.2
1543.7
1401.6
1274.1
1200.6
909.1
722.8
551.3
318.5
0.0

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