

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: P850066

Luminaire Tested: **GLAN-SB7B-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850066
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-SB7B-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25553 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

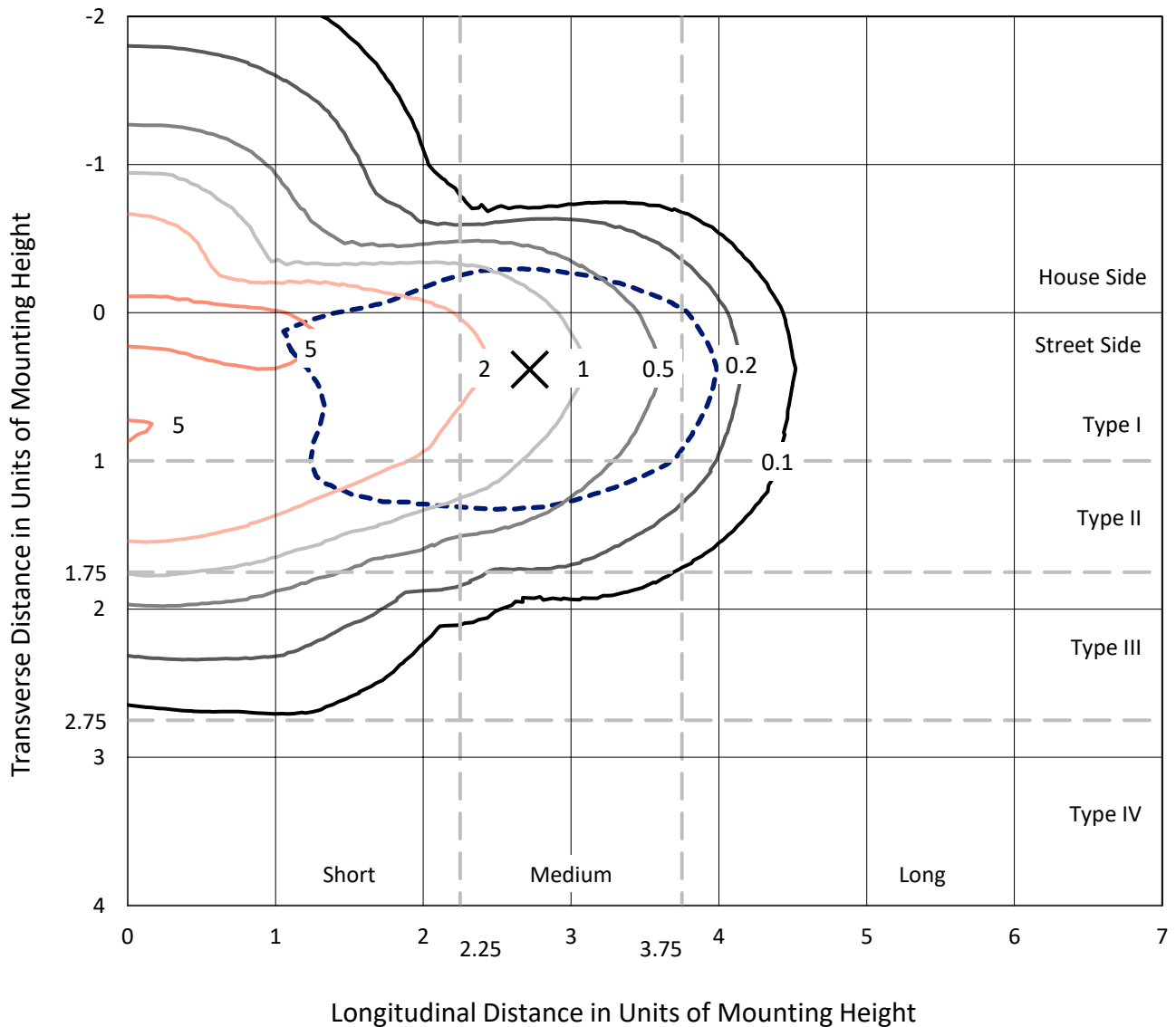
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

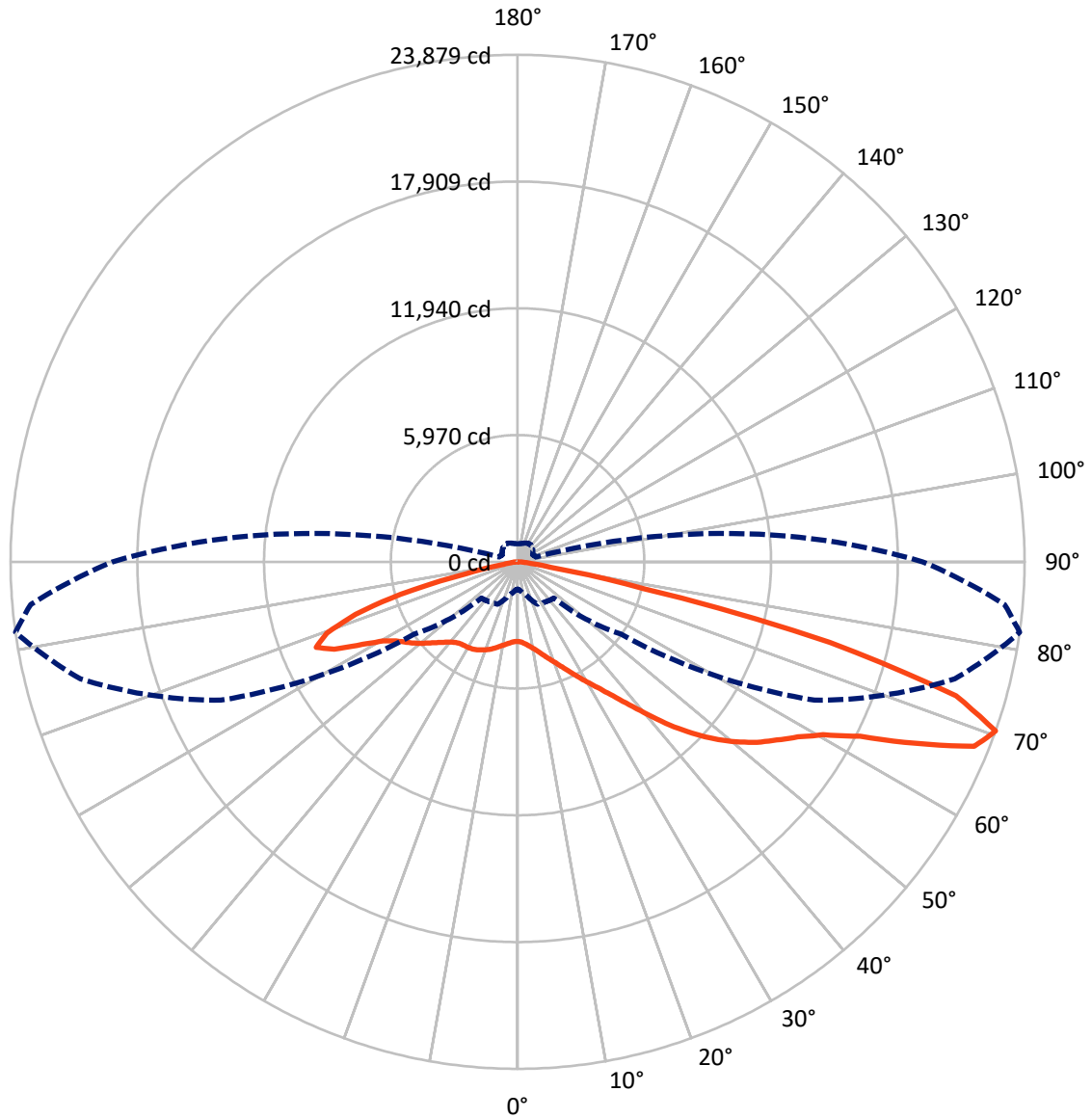
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	6299.4	0.0	6299.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19253.6	0.0	19253.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	25553.0	0.0	25553.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	1.4
10°-20°	1016.3	4.0
20°-30°	1700.1	6.7
30°-40°	2656.0	10.4
40°-50°	4230.0	16.6
50°-60°	5886.6	23.0
60°-70°	6157.7	24.1
70°-80°	3218.3	12.6
80°-90°	334.2	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°	25553.0	100.0
0°-180°	25553.0	100.0

Coefficient of Utilization



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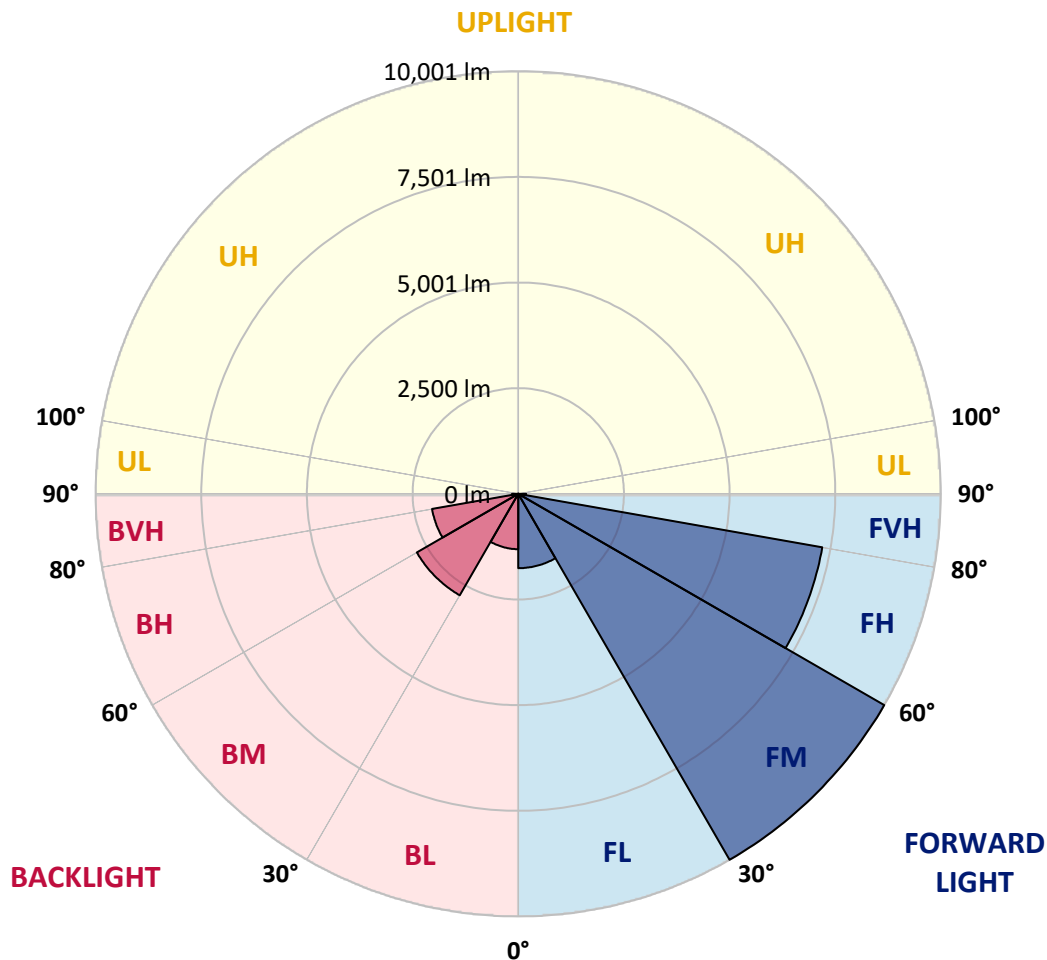
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1759.6	6.9			
FM (30°-60°)	10001.2	39.1			
FH (60°-80°)	7305.7	28.6			G3/7500
FVH (80°-90°)	187.1	0.7			G2/225
BL (0°-30°)	1310.5	5.1	B3/2500		
BM (30°-60°)	2771.5	10.8	B3/5000		
BH (60°-80°)	2070.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	147.1	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4
2.5°	3835.9	3857.6	3850.8	3844.0	3844.0	3834.5	3833.2	3819.6	3808.8	3791.1
5°	3884.7	3907.7	3905.0	3910.5	3928.1	3932.1	3936.2	3928.1	3906.4	3884.7
7.5°	3841.3	3867.1	3875.2	3907.7	3962.0	4010.8	4047.4	4062.3	4042.0	4010.8
10°	3694.9	3723.3	3751.8	3829.1	3925.4	4040.6	4138.2	4196.6	4192.5	4162.7
12.5°	3397.9	3427.7	3488.8	3639.3	3815.5	4018.9	4200.6	4322.7	4364.7	4343.0
15°	3160.6	3186.4	3232.5	3387.1	3616.2	3925.4	4223.7	4461.0	4568.1	4555.9
17.5°	3153.9	3164.7	3193.2	3266.4	3442.7	3778.9	4199.3	4596.5	4801.3	4799.9
20°	3273.2	3277.2	3293.5	3308.4	3408.8	3667.7	4136.9	4709.1	5063.0	5063.0
22.5°	3438.6	3435.9	3452.2	3438.6	3487.4	3658.3	4097.6	4808.1	5354.5	5376.2
25°	3686.7	3673.2	3669.1	3637.9	3647.4	3746.4	4141.0	4920.6	5700.3	5745.0
27.5°	4017.6	3995.9	3981.0	3909.1	3884.7	3928.1	4273.8	5056.2	6085.3	6162.6
30°	4448.8	4409.4	4387.7	4263.0	4174.9	4181.6	4474.5	5236.5	6488.0	6612.8
32.5°	5037.2	4976.2	4917.9	4713.2	4551.8	4498.9	4733.5	5486.0	6924.7	7124.0
35°	5696.2	5647.4	5585.0	5269.1	5020.9	4898.9	5083.3	5834.5	7435.8	7751.8
37.5°	6330.8	6288.7	6318.6	5892.8	5572.8	5395.2	5541.6	6302.3	8066.3	8532.8
40°	6987.0	6954.5	6958.5	6551.8	6178.9	5979.6	6097.5	6889.4	8789.0	9461.6
42.5°	7700.2	7675.8	7594.5	7233.8	6814.8	6629.1	6737.5	7567.4	9564.6	10519.2
45°	8498.9	8484.0	8408.0	7994.5	7514.5	7305.7	7452.1	8315.8	10344.3	11514.4
47.5°	9189.0	9201.2	9191.7	8843.3	8345.6	8039.2	8214.1	9096.8	11069.7	12450.0
50°	9521.2	9585.0	9678.5	9570.0	9260.9	8949.0	8982.9	9850.7	11761.2	13327.3
52.5°	9347.7	9468.3	9723.3	9896.8	10016.1	9951.1	9860.2	10599.2	12412.0	14119.1
55°	8700.9	8870.4	9293.4	9712.4	10321.2	10794.4	10913.7	11429.0	13046.6	14816.1
57.5°	7522.6	7797.9	8177.5	9025.0	10050.0	11202.6	12142.2	12580.2	13719.1	15560.5
60°	5502.3	5871.1	6343.0	7604.0	9100.9	10984.3	13187.6	14348.3	14675.1	16524.5
62.5°	3521.3	3749.1	4183.0	5370.8	7091.4	9865.6	13507.6	16558.4	16295.4	18105.5
65°	2410.8	2557.3	2954.5	3621.6	4584.3	7343.6	12650.7	18215.3	18868.9	20611.2
67.5°	1751.8	1863.0	2202.0	2786.4	2987.1	4345.7	9816.8	18139.4	21370.6	23192.9
70°	1277.3	1355.9	1640.7	2202.0	2298.3	2417.6	5947.0	15419.4	21316.3	23879.0
72.5°	946.4	1000.7	1191.8	1708.5	1860.3	1632.5	2943.7	11206.6	18317.0	21598.3
75°	684.7	725.4	866.4	1307.1	1488.8	1243.4	1468.5	6549.1	12776.8	15193.0
77.5°	523.4	554.6	646.8	957.3	1191.8	932.9	911.2	3012.8	6058.2	6088.1
80°	420.3	440.7	490.8	673.9	913.9	698.3	593.9	1216.3	1914.6	1620.3
82.5°	309.1	343.0	414.9	473.2	653.6	481.3	362.0	614.2	728.1	626.4
85°	176.3	199.3	250.8	339.0	417.6	294.2	207.5	272.5	339.0	278.0
87.5°	62.4	81.4	88.1	132.9	181.7	122.0	80.0	78.6	111.2	82.7
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°
3746.4	0°	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4	3746.4
3787.1	2.5°	3773.5	3766.7	3739.6	3703.0	3665.0	3628.4	3616.2	3590.5	3572.8	3563.3
3875.2	5°	3849.4	3827.7	3764.0	3682.7	3597.2	3505.0	3440.0	3380.3	3336.9	3296.2
3995.9	7.5°	3957.9	3919.9	3810.1	3667.7	3515.9	3362.7	3248.8	3162.0	3103.7	3065.7
4136.9	10°	4084.0	4025.7	3857.6	3644.7	3410.1	3190.5	3056.2	2981.7	2945.0	2924.7
4298.2	12.5°	4229.1	4146.4	3906.4	3591.8	3248.8	2997.9	2905.7	2884.0	2885.4	2886.7
4501.6	15°	4408.1	4292.8	3945.7	3476.6	3038.6	2850.1	2833.9	2869.1	2905.7	2923.3
4732.1	17.5°	4610.1	4447.4	3952.5	3286.7	2832.5	2755.2	2806.7	2882.7	2938.3	2962.7
4989.8	20°	4827.1	4604.7	3903.7	3018.3	2663.0	2677.9	2770.1	2867.8	2928.8	2960.0
5284.0	22.5°	5075.2	4772.8	3787.1	2736.2	2524.7	2593.9	2702.3	2797.2	2861.0	2892.2
5629.8	25°	5358.6	4961.3	3604.0	2498.9	2405.4	2498.9	2607.4	2686.1	2737.6	2766.1
6016.2	27.5°	5673.1	5157.9	3360.0	2310.5	2301.0	2401.3	2490.8	2551.8	2578.9	2600.6
6427.0	30°	5989.1	5336.9	3064.4	2168.1	2210.1	2305.1	2368.8	2395.9	2404.0	2408.1
6885.3	32.5°	6330.8	5491.5	2753.9	2050.1	2123.4	2211.5	2249.5	2261.7	2223.7	2197.9
7441.3	35°	6744.3	5656.9	2450.1	1956.6	2037.9	2113.9	2126.1	2115.2	2070.5	2017.6
8138.2	37.5°	7255.5	5863.0	2207.4	1890.1	1957.9	2008.1	1993.2	1990.5	1994.5	1932.2
8976.1	40°	7881.9	6131.4	2029.8	1838.6	1892.9	1903.7	1861.7	1884.7	1905.1	1810.1
9895.5	42.5°	8577.5	6455.5	1917.3	1803.4	1838.6	1812.9	1747.8	1773.5	1770.8	1646.1
10818.8	45°	9286.7	6808.0	1877.9	1777.6	1788.5	1736.9	1665.1	1671.8	1614.9	1502.4
11704.2	47.5°	9991.7	7186.3	1902.3	1755.9	1726.1	1667.8	1612.2	1582.4	1498.3	1414.2
12553.0	50°	10683.2	7583.6	1991.8	1712.5	1640.7	1606.8	1566.1	1513.2	1423.7	1351.8
13355.7	52.5°	11324.6	7983.6	2092.2	1640.7	1533.5	1553.9	1528.1	1467.1	1379.0	1305.7
14115.1	55°	11932.0	8383.6	2131.5	1541.7	1433.2	1507.8	1492.9	1380.3	1274.6	1214.9
14909.6	57.5°	12593.7	8865.0	2088.1	1415.6	1351.8	1454.9	1397.9	1273.2	1212.2	1167.4
15944.2	60°	13510.3	9620.2	1994.5	1259.6	1274.6	1376.3	1278.6	1227.1	1160.7	1110.5
17495.4	62.5°	15033.0	11029.0	1844.0	1105.1	1183.7	1259.6	1221.7	1170.2	1102.4	1053.5
20147.5	65°	17283.8	12986.9	1560.7	984.4	1082.0	1145.7	1160.7	1109.1	1038.6	987.1
22471.6	67.5°	19182.1	14215.4	1181.0	884.1	977.6	1053.5	1095.6	1045.4	970.8	920.7
23015.3	70°	19077.7	13323.2	901.7	785.1	885.4	962.7	1016.9	977.6	897.6	850.2
20905.5	72.5°	16944.9	11145.6	729.5	684.7	791.9	867.8	932.9	903.0	821.7	775.6
15315.0	75°	12448.6	7911.8	583.0	583.0	675.2	768.8	840.7	821.7	747.1	714.6
6429.7	77.5°	5247.4	3319.3	456.9	484.1	561.3	660.3	749.8	756.6	691.5	732.2
1700.3	80°	1395.2	915.2	348.5	381.0	440.7	545.1	652.2	649.5	579.0	541.0
631.9	82.5°	531.5	360.7	248.1	268.5	318.6	417.6	516.6	532.9	462.4	400.0
248.1	85°	204.7	154.6	153.2	161.4	185.8	276.6	390.5	404.1	348.5	295.6
69.2	87.5°	52.9	46.1	56.9	54.2	85.4	147.8	223.7	231.9	212.9	123.4
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°
3746.4
3574.2
3312.5
3073.9
2930.1
2889.5
2922.0
2968.1
2968.1
2900.3
2774.2
2608.8
2417.6
2206.1
2020.3
1936.2
1812.9
1644.7
1506.4
1414.2
1346.4
1307.1
1209.5
1163.4
1107.8
1053.5
989.8
922.0
854.2
775.6
705.1
664.4
503.0
400.0
305.1
176.3
0.0

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