

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: P850206

Luminaire Tested: **GLAN-SB7C-835-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850206  
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-SB7C-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43694 lumens  
Efficiency: N/A  
Efficacy: 124.7 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

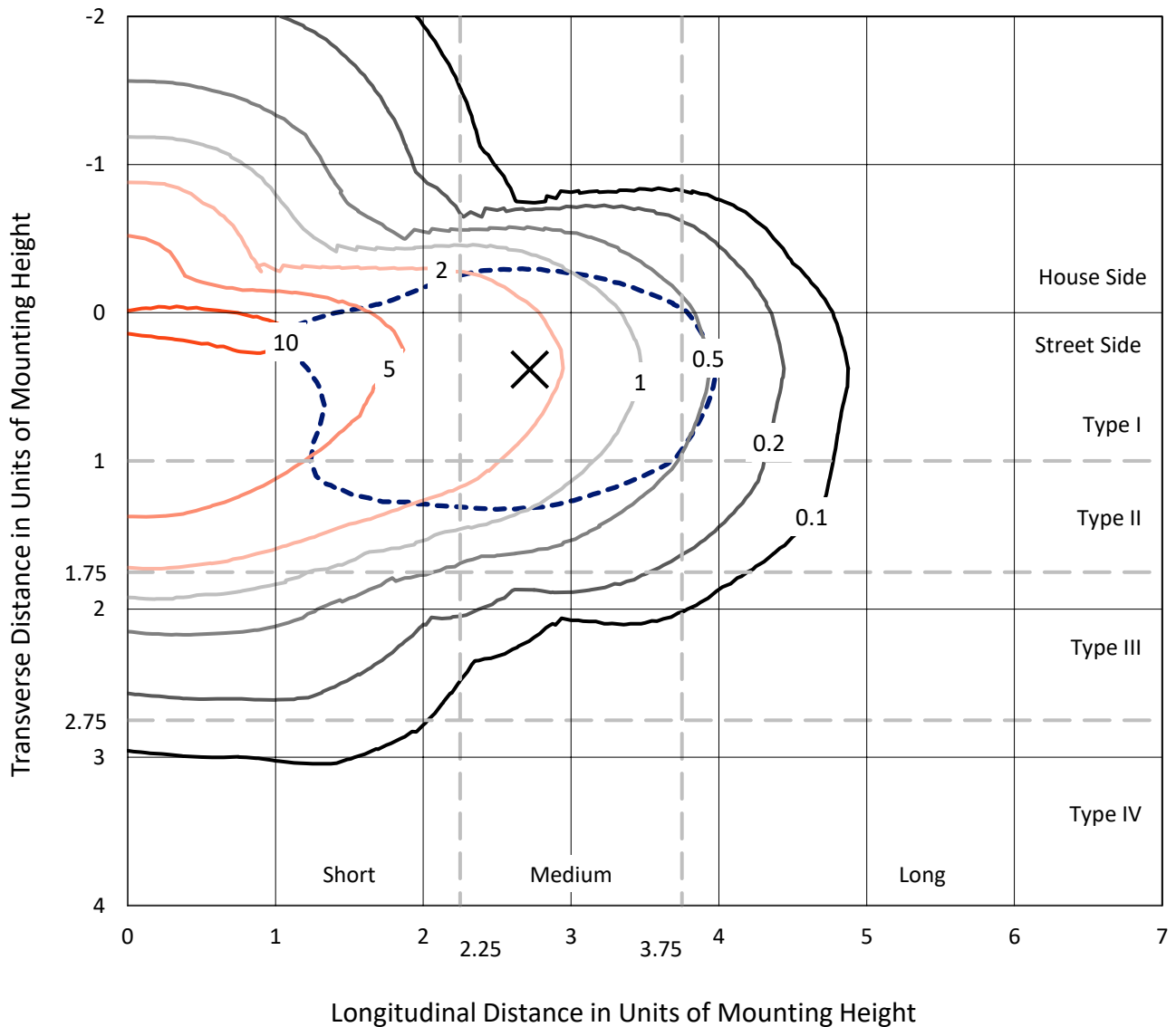
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

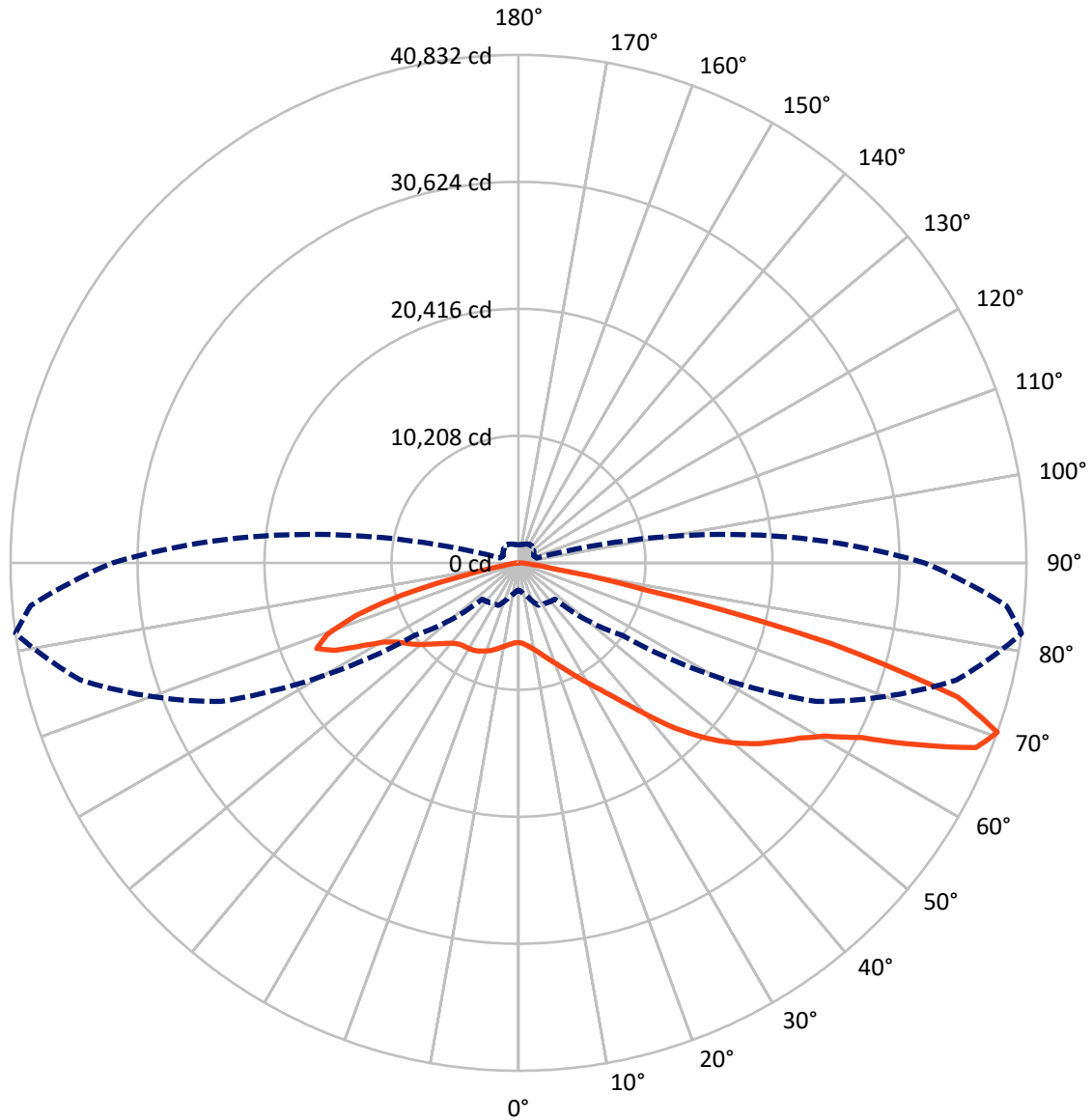
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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
<b>House Side</b>	Lumens	10771.6	0.0	10771.6
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	32922.3	0.0	32922.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	43694.0	0.0	43694.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	604.8	1.4
10°-20°	1737.8	4.0
20°-30°	2907.1	6.7
30°-40°	4541.6	10.4
40°-50°	7233.1	16.6
50°-60°	10065.7	23.0
60°-70°	10529.2	24.1
70°-80°	5503.1	12.6
80°-90°	571.4	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°	43694.0	100.0
0°-180°	43694.0	100.0

**Coefficient of Utilization**

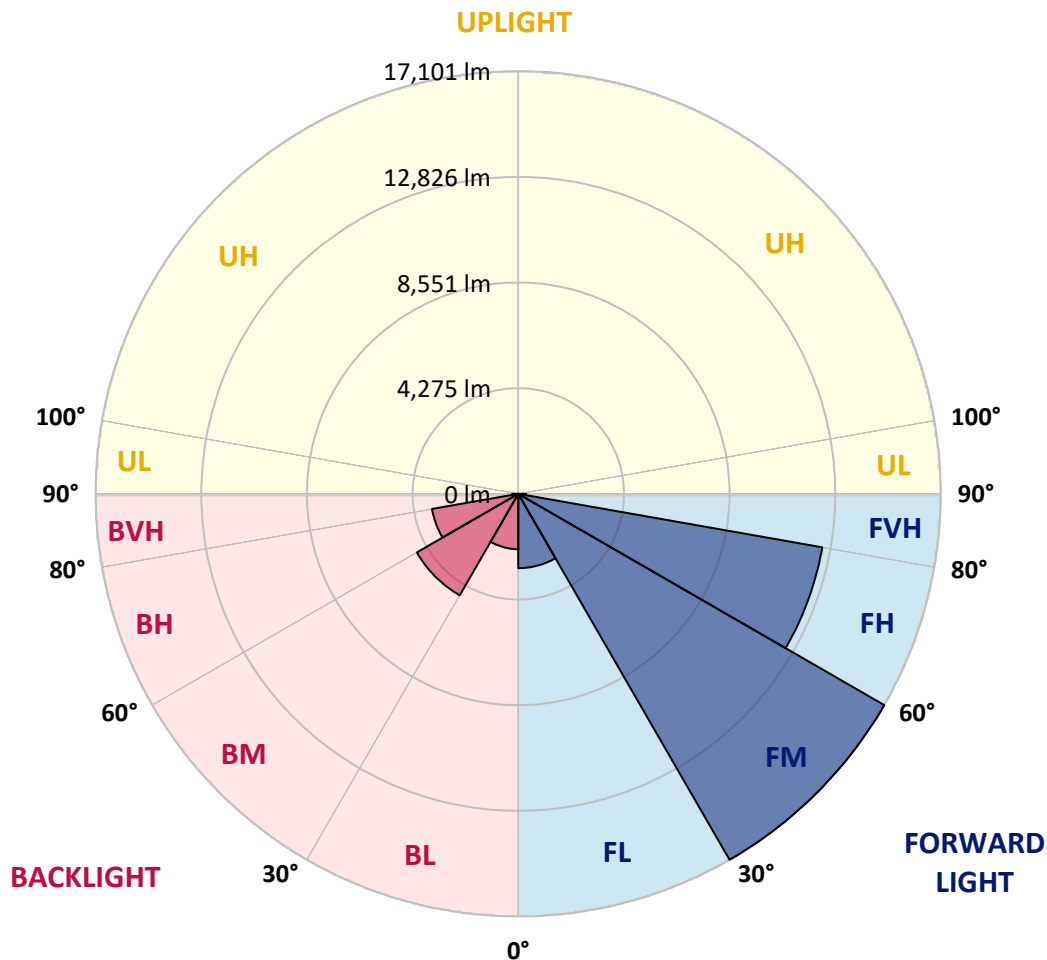


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3008.8	6.9			
FM (30°-60°)	17101.4	39.1			
FH (60°-80°)	12492.3	28.6			G5
FVH (80°-90°)	319.9	0.7			G3/500
BL (0°-30°)	2240.9	5.1	B3/2500		
BM (30°-60°)	4739.1	10.8	B3/5000		
BH (60°-80°)	3540.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	251.5	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°	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1
2.5°	6559.1	6596.2	6584.6	6573.0	6573.0	6556.8	6554.5	6531.3	6512.7	6482.6
5°	6642.6	6682.0	6677.4	6686.6	6716.8	6723.7	6730.7	6716.8	6679.7	6642.6
7.5°	6568.4	6612.4	6626.3	6682.0	6774.7	6858.2	6920.8	6946.3	6911.5	6858.2
10°	6318.0	6366.7	6415.4	6547.5	6712.1	6909.2	7076.1	7175.8	7168.9	7117.9
12.5°	5810.2	5861.2	5965.6	6222.9	6524.3	6872.1	7182.8	7391.5	7463.3	7426.2
15°	5404.5	5448.5	5527.4	5791.7	6183.5	6712.1	7222.2	7627.9	7811.1	7790.2
17.5°	5392.9	5411.4	5460.1	5585.3	5886.7	6461.7	7180.5	7859.8	8209.9	8207.6
20°	5596.9	5603.9	5631.7	5657.2	5828.8	6271.6	7073.8	8052.2	8657.4	8657.4
22.5°	5879.8	5875.1	5903.0	5879.8	5963.2	6255.4	7006.6	8221.5	9155.9	9193.0
25°	6304.1	6280.9	6273.9	6220.6	6236.8	6406.1	7080.8	8413.9	9747.1	9823.6
27.5°	6869.8	6832.7	6807.2	6684.3	6642.6	6716.8	7308.0	8645.8	10405.5	10537.7
30°	7607.1	7539.8	7502.7	7289.4	7138.7	7150.3	7651.1	8954.1	11094.1	11307.5
32.5°	8613.3	8509.0	8409.3	8059.2	7783.3	7692.9	8094.0	9380.8	11840.7	12181.5
35°	9740.1	9656.7	9550.0	9009.8	8585.5	8376.8	8692.2	9976.6	12714.8	13255.0
37.5°	10825.2	10753.3	10804.3	10076.3	9529.1	9225.4	9475.8	10776.5	13792.9	14590.5
40°	11947.4	11891.7	11898.7	11203.1	10565.5	10224.7	10426.4	11780.4	15028.7	16178.7
42.5°	13166.9	13125.2	12986.1	12369.3	11652.9	11335.3	11520.8	12939.7	16354.9	17987.1
45°	14532.5	14507.0	14377.2	13670.0	12849.3	12492.2	12742.6	14219.5	17688.0	19688.9
47.5°	15712.6	15733.5	15717.3	15121.4	14270.5	13746.5	14045.6	15555.0	18928.4	21288.7
50°	16280.7	16389.7	16549.6	16364.2	15835.5	15302.3	15360.2	16844.1	20110.9	22788.8
52.5°	15983.9	16190.3	16626.1	16922.9	17127.0	17015.7	16860.3	18123.9	21223.8	24142.8
55°	14878.0	15167.8	15891.2	16607.6	17648.6	18457.8	18661.8	19542.9	22308.9	25334.5
57.5°	12863.2	13333.8	13983.0	15432.1	17184.9	19155.7	20762.4	21511.3	23458.8	26607.4
60°	9408.6	10039.2	10846.1	13002.3	15561.9	18782.4	22550.0	24534.6	25093.4	28255.9
62.5°	6021.2	6410.7	7152.7	9183.7	12125.9	16869.6	23097.2	28313.8	27864.0	30959.3
65°	4122.3	4372.7	5052.1	6192.8	7838.9	12557.1	21631.8	31147.1	32264.6	35243.9
67.5°	2995.5	3185.7	3765.3	4764.6	5107.7	7430.9	16786.1	31017.2	36542.3	39658.4
70°	2184.1	2318.5	2805.4	3765.3	3929.9	4133.9	10169.1	26366.3	36449.5	40831.6
72.5°	1618.3	1711.1	2038.0	2921.3	3181.0	2791.5	5033.5	19162.6	31321.0	36931.8
75°	1170.9	1240.4	1481.5	2235.1	2545.7	2126.1	2511.0	11198.5	21847.5	25979.1
77.5°	895.0	948.3	1105.9	1636.9	2038.0	1595.1	1558.0	5151.8	10359.2	10410.2
80°	718.7	753.5	839.3	1152.3	1562.7	1194.0	1015.5	2079.7	3273.8	2770.6
82.5°	528.6	586.6	709.5	809.2	1117.5	823.1	619.0	1050.3	1245.0	1071.2
85°	301.4	340.8	428.9	579.6	714.1	503.1	354.7	466.0	579.6	475.3
87.5°	106.7	139.1	150.7	227.2	310.7	208.7	136.8	134.5	190.1	141.4
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°
6406.1	0°	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1	6406.1
6475.6	2.5°	6452.5	6440.9	6394.5	6331.9	6267.0	6204.4	6183.5	6139.5	6109.3	6093.1
6626.3	5°	6582.3	6545.2	6436.2	6297.1	6151.0	5993.4	5882.1	5780.1	5705.9	5636.3
6832.7	7.5°	6767.8	6702.9	6515.1	6271.6	6011.9	5749.9	5555.2	5406.8	5307.1	5242.2
7073.8	10°	6983.4	6883.7	6596.2	6232.2	5831.1	5455.5	5226.0	5098.4	5035.8	5001.1
7349.7	12.5°	7231.5	7090.1	6679.7	6141.8	5555.2	5126.3	4968.6	4931.5	4933.8	4936.1
7697.5	15°	7537.5	7340.5	6746.9	5944.7	5195.8	4873.5	4845.7	4906.0	4968.6	4998.7
8091.7	17.5°	7883.0	7604.8	6758.5	5620.1	4843.4	4711.2	4799.3	4929.2	5024.2	5066.0
8532.2	20°	8254.0	7873.7	6675.0	5161.0	4553.6	4579.1	4736.7	4903.7	5008.0	5061.3
9035.3	22.5°	8678.2	8161.2	6475.6	4678.8	4317.1	4435.3	4620.8	4783.1	4892.1	4945.4
9626.5	25°	9162.8	8483.5	6162.6	4273.0	4113.1	4273.0	4458.5	4593.0	4681.1	4729.8
10287.3	27.5°	9700.7	8819.7	5745.3	3950.8	3934.5	4106.1	4259.1	4363.5	4409.8	4446.9
10989.8	30°	10240.9	9125.7	5239.9	3707.3	3779.2	3941.5	4050.5	4096.8	4110.7	4117.7
11773.5	32.5°	10825.2	9390.0	4708.9	3505.6	3630.8	3781.5	3846.4	3867.3	3802.4	3758.3
12724.1	35°	11532.3	9672.9	4189.6	3345.6	3484.7	3614.6	3635.4	3616.9	3540.4	3450.0
13915.8	37.5°	12406.4	10025.3	3774.6	3232.0	3348.0	3433.7	3408.2	3403.6	3410.6	3303.9
15348.6	40°	13477.6	10484.4	3470.8	3143.9	3236.7	3255.2	3183.3	3222.8	3257.5	3095.2
16920.6	42.5°	14667.0	11038.5	3278.4	3083.6	3143.9	3099.9	2988.6	3032.6	3028.0	2814.7
18499.5	45°	15879.6	11641.3	3211.2	3039.6	3058.1	2970.0	2847.1	2858.7	2761.4	2568.9
20013.5	47.5°	17085.2	12288.2	3252.9	3002.5	2951.5	2851.8	2756.7	2705.7	2562.0	2418.2
21464.9	50°	18267.7	12967.5	3405.9	2928.3	2805.4	2747.5	2677.9	2587.5	2434.5	2311.6
22837.5	52.5°	19364.3	13651.5	3577.5	2805.4	2622.3	2657.0	2613.0	2508.6	2357.9	2232.7
24135.9	55°	20403.0	14335.4	3644.7	2636.2	2450.7	2578.2	2552.7	2360.3	2179.4	2077.4
25494.5	57.5°	21534.5	15158.5	3570.5	2420.5	2311.6	2487.8	2390.4	2177.1	2072.8	1996.3
27263.5	60°	23101.8	16449.9	3410.6	2153.9	2179.4	2353.3	2186.4	2098.3	1984.7	1898.9
29915.9	62.5°	25705.5	18858.9	3153.2	1889.6	2024.1	2153.9	2089.0	2000.9	1885.0	1801.5
34451.0	65°	29554.2	22206.8	2668.6	1683.2	1850.2	1959.2	1984.7	1896.6	1776.0	1687.9
38424.9	67.5°	32800.2	24307.4	2019.4	1511.7	1671.7	1801.5	1873.4	1787.6	1660.1	1574.3
39354.7	70°	32621.7	22781.8	1541.8	1342.4	1514.0	1646.2	1738.9	1671.7	1534.9	1453.7
35747.0	72.5°	28974.6	19058.3	1247.4	1170.9	1354.0	1483.9	1595.1	1544.1	1405.0	1326.2
26187.7	75°	21286.4	13528.6	997.0	997.0	1154.6	1314.6	1437.5	1405.0	1277.5	1221.9
10994.4	77.5°	8972.7	5675.8	781.3	827.7	959.9	1129.1	1282.1	1293.7	1182.4	1252.0
2907.4	80°	2385.8	1565.0	595.9	651.5	753.5	932.0	1115.2	1110.6	990.0	925.1
1080.4	82.5°	908.9	616.7	424.3	459.1	544.9	714.1	883.4	911.2	790.6	684.0
424.3	85°	350.1	264.3	262.0	275.9	317.6	473.0	667.7	690.9	595.9	505.4
118.2	87.5°	90.4	78.8	97.4	92.7	146.1	252.7	382.6	396.5	364.0	211.0
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°
6406.1
6111.6
5664.2
5256.1
5010.3
4940.8
4996.4
5075.3
5075.3
4959.3
4743.7
4460.8
4133.9
3772.2
3454.6
3310.9
3099.9
2812.4
2575.9
2418.2
2302.3
2235.1
2068.1
1989.3
1894.2
1801.5
1692.5
1576.6
1460.7
1326.2
1205.6
1136.1
860.2
684.0
521.7
301.4
0.0

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