

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: P849706

Luminaire Tested: **GLAN-SB6D-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849706  
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-SB6D-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 54375 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

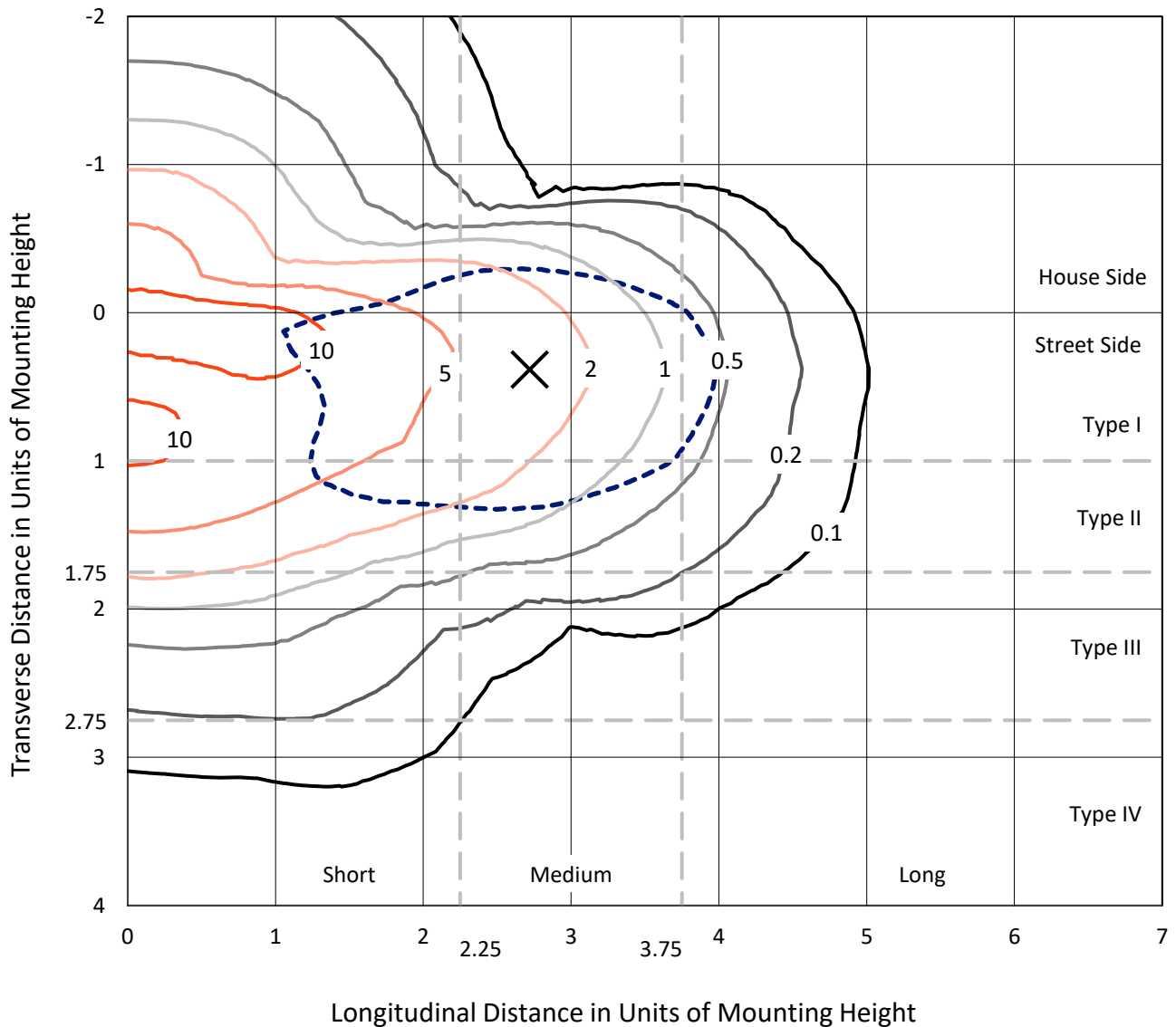
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

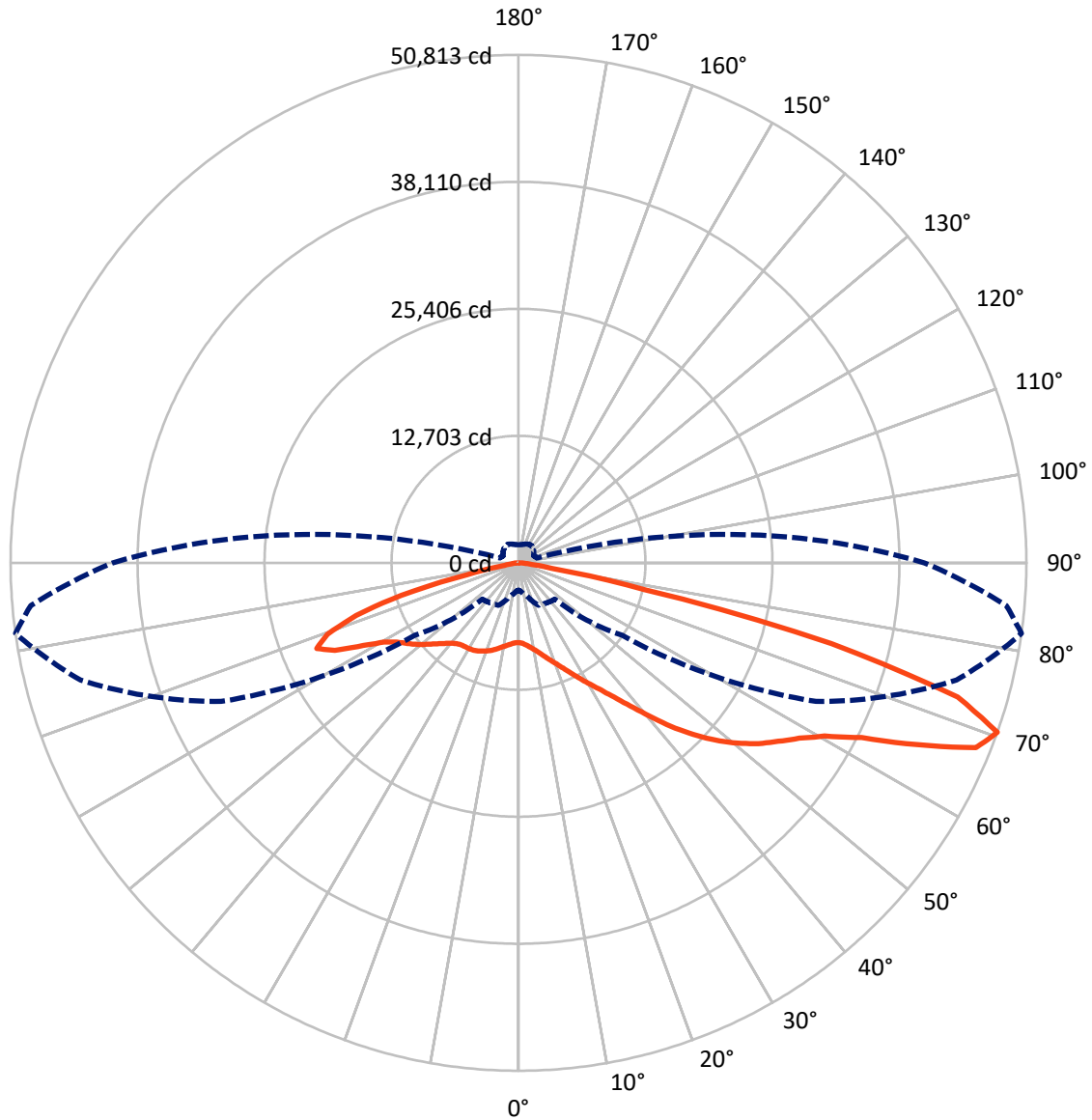
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 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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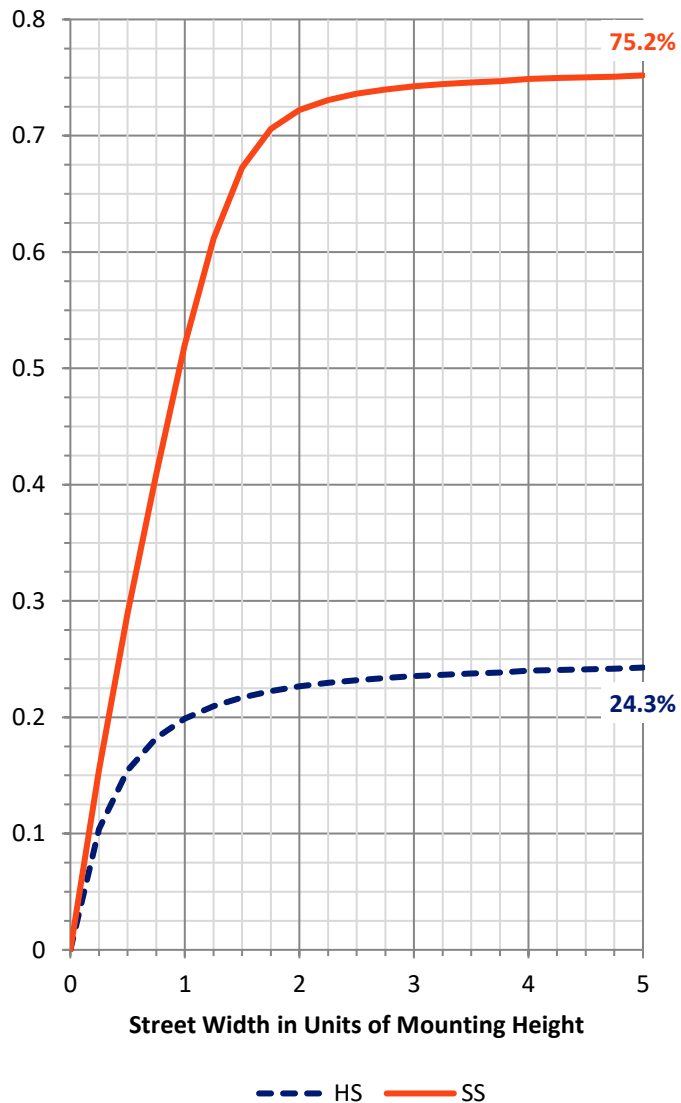
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13404.8	0.0	13404.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	40970.2	0.0	40970.2
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	54375.0	0.0	54375.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	752.7	1.4
10°-20°	2162.6	4.0
20°-30°	3617.7	6.7
30°-40°	5651.9	10.4
40°-50°	9001.2	16.6
50°-60°	12526.3	23.0
60°-70°	13103.1	24.1
70°-80°	6848.4	12.6
80°-90°	711.1	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°	54375.0	100.0
0°-180°	54375.0	100.0

**Coefficient of Utilization**



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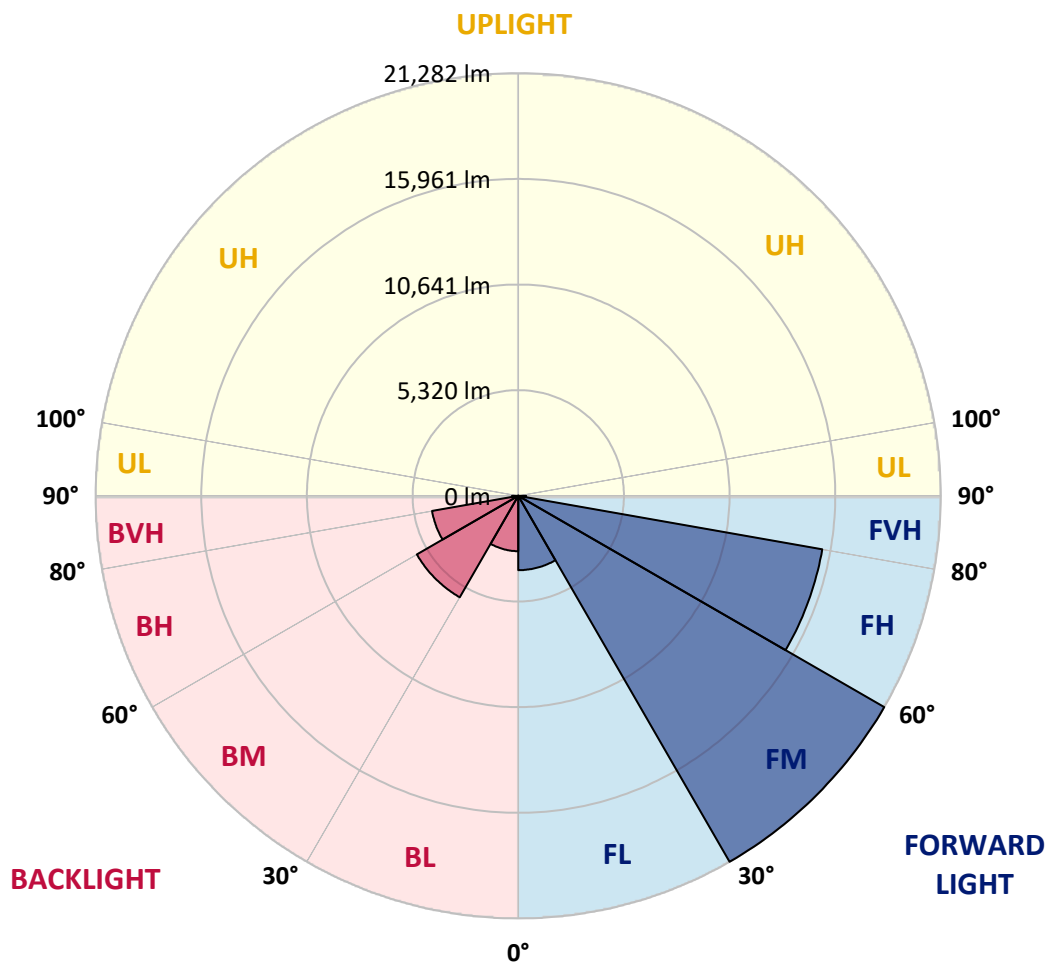
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3744.3	6.9			
FM (30°-60°)	21281.8	39.1			
FH (60°-80°)	15546.0	28.6			G5
FVH (80°-90°)	398.1	0.7			G3/500
BL (0°-30°)	2788.7	5.1	B4/5000		
BM (30°-60°)	5897.6	10.8	B4/8500		
BH (60°-80°)	4405.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	313.0	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°	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1
2.5°	8162.5	8208.6	8194.2	8179.8	8179.8	8159.6	8156.7	8127.9	8104.8	8067.3
5°	8266.4	8315.4	8309.6	8321.2	8358.7	8367.3	8376.0	8358.7	8312.5	8266.4
7.5°	8174.0	8228.8	8246.2	8315.4	8430.8	8534.7	8612.6	8644.3	8601.0	8534.7
10°	7862.4	7923.0	7983.6	8148.1	8352.9	8598.2	8805.9	8930.0	8921.3	8857.8
12.5°	7230.5	7294.0	7423.8	7744.1	8119.2	8552.0	8938.6	9198.3	9287.7	9241.6
15°	6725.6	6780.4	6878.5	7207.5	7695.1	8352.9	8987.7	9492.6	9720.5	9694.6
17.5°	6711.2	6734.3	6794.9	6950.7	7325.8	8041.3	8935.7	9781.1	10216.8	10213.9
20°	6965.1	6973.7	7008.4	7040.1	7253.6	7804.7	8803.0	10020.6	10773.7	10773.7
22.5°	7317.1	7311.3	7345.9	7317.1	7421.0	7784.5	8719.3	10231.2	11394.0	11440.2
25°	7845.1	7816.2	7807.6	7741.2	7761.4	7972.1	8811.7	10470.7	12129.8	12225.0
27.5°	8549.1	8502.9	8471.2	8318.3	8266.4	8358.7	9094.4	10759.2	12949.2	13113.6
30°	9466.6	9383.0	9336.8	9071.4	8883.8	8898.2	9521.5	11143.0	13806.1	14071.6
32.5°	10718.9	10589.0	10464.9	10029.3	9685.9	9573.4	10072.5	11673.9	14735.2	15159.3
35°	12121.1	12017.2	11884.5	11212.2	10684.2	10424.6	10817.0	12415.4	15822.9	16495.2
37.5°	13471.4	13382.0	13445.4	12539.5	11858.5	11480.6	11792.2	13410.8	17164.6	18157.1
40°	14867.9	14798.6	14807.3	13941.7	13148.3	12724.1	12975.1	14660.2	18702.4	20133.6
42.5°	16385.6	16333.6	16160.5	15393.0	14501.5	14106.2	14337.0	16102.8	20352.8	22384.1
45°	18085.0	18053.3	17891.7	17011.7	15990.3	15545.9	15857.6	17695.5	22011.9	24501.9
47.5°	19553.6	19579.6	19559.4	18817.9	17759.0	17106.9	17479.1	19357.4	23555.5	26492.7
50°	20260.5	20396.1	20595.2	20364.4	19706.5	19042.9	19115.0	20961.6	25027.0	28359.5
52.5°	19891.2	20148.0	20690.4	21059.7	21313.6	21175.1	20981.8	22554.3	26411.9	30044.5
55°	18514.9	18875.6	19775.8	20667.3	21962.8	22969.8	23223.7	24320.1	27762.3	31527.6
57.5°	16007.6	16593.3	17401.2	19204.5	21385.8	23838.3	25837.8	26769.7	29193.4	33111.6
60°	11708.5	12493.3	13497.4	16180.7	19366.1	23373.7	28062.3	30532.1	31227.5	35163.0
62.5°	7493.1	7977.8	8901.1	11428.6	15090.1	20993.4	28743.3	35235.2	34675.4	38527.3
65°	5130.0	5441.7	6287.0	7706.6	9755.2	15626.7	26919.8	38761.0	40151.7	43859.3
67.5°	3727.8	3964.4	4685.7	5929.3	6356.3	9247.4	20889.5	38599.4	45475.0	49352.9
70°	2717.9	2885.3	3491.2	4685.7	4890.6	5144.5	12654.9	32811.5	45359.6	50812.8
72.5°	2013.9	2129.3	2536.2	3635.5	3958.6	3473.9	6264.0	23846.9	38977.4	45959.8
75°	1457.1	1543.6	1843.7	2781.4	3168.0	2645.8	3124.8	13935.9	27188.1	32329.7
77.5°	1113.7	1180.1	1376.3	2037.0	2536.2	1985.1	1938.9	6411.1	12891.5	12954.9
80°	894.4	937.7	1044.5	1434.0	1944.7	1485.9	1263.8	2588.1	4074.0	3447.9
82.5°	657.8	730.0	882.9	1007.0	1390.7	1024.3	770.4	1307.0	1549.4	1333.0
85°	375.1	424.1	533.8	721.3	888.7	626.1	441.4	579.9	721.3	591.5
87.5°	132.7	173.1	187.5	282.8	386.6	259.7	170.2	167.3	236.6	176.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7972.1	0°	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1	7972.1
8058.6	2.5°	8029.8	8015.3	7957.6	7879.7	7798.9	7721.0	7695.1	7640.2	7602.7	7582.5
8246.2	5°	8191.3	8145.2	8009.6	7836.4	7654.7	7458.5	7320.0	7193.0	7100.7	7014.1
8502.9	7.5°	8422.2	8341.4	8107.7	7804.7	7481.6	7155.5	6913.2	6728.5	6604.4	6523.6
8803.0	10°	8690.5	8566.4	8208.6	7755.7	7256.5	6789.1	6503.4	6344.8	6266.8	6223.6
9146.4	12.5°	8999.2	8823.2	8312.5	7643.1	6913.2	6379.4	6183.2	6137.0	6139.9	6142.8
9579.2	15°	9380.1	9134.8	8396.2	7397.9	6465.9	6064.9	6030.3	6105.3	6183.2	6220.7
10069.7	17.5°	9810.0	9463.7	8410.6	6993.9	6027.4	5862.9	5972.5	6134.1	6252.4	6304.4
10617.9	20°	10271.6	9798.4	8306.7	6422.7	5666.7	5698.4	5894.6	6102.4	6232.2	6298.6
11244.0	22.5°	10799.6	10156.2	8058.6	5822.5	5372.4	5519.6	5750.4	5952.4	6088.0	6154.3
11979.7	25°	11402.7	10557.3	7669.1	5317.6	5118.5	5317.6	5548.4	5715.8	5825.4	5886.0
12802.0	27.5°	12072.1	10975.6	7149.7	4916.5	4896.3	5109.8	5300.3	5430.1	5487.8	5534.0
13676.3	30°	12744.3	11356.5	6520.8	4613.6	4703.0	4905.0	5040.6	5098.3	5115.6	5124.3
14651.5	32.5°	13471.4	11685.4	5860.0	4362.6	4518.4	4705.9	4786.7	4812.7	4731.9	4677.1
15834.5	35°	14351.4	12037.4	5213.7	4163.5	4336.6	4498.2	4524.1	4501.1	4405.8	4293.3
17317.5	37.5°	15439.2	12476.0	4697.3	4022.1	4166.4	4273.1	4241.4	4235.6	4244.3	4111.5
19100.6	40°	16772.2	13047.3	4319.3	3912.5	4027.9	4050.9	3961.5	4010.6	4053.8	3851.9
21056.8	42.5°	18252.3	13736.9	4079.8	3837.4	3912.5	3857.6	3719.1	3774.0	3768.2	3502.7
23021.7	45°	19761.3	14487.0	3996.1	3782.6	3805.7	3696.1	3543.1	3557.6	3436.4	3196.9
24905.8	47.5°	21261.7	15292.0	4048.1	3736.4	3673.0	3548.9	3430.6	3367.1	3188.2	3009.4
26712.0	50°	22733.2	16137.4	4238.5	3644.1	3491.2	3419.1	3332.5	3220.0	3029.6	2876.6
28420.1	52.5°	24097.9	16988.6	4452.0	3491.2	3263.3	3306.5	3251.7	3121.9	2934.3	2778.5
30035.9	55°	25390.5	17839.7	4535.7	3280.6	3049.8	3208.4	3176.7	2937.2	2712.2	2585.2
31726.6	57.5°	26798.6	18864.0	4443.3	3012.2	2876.6	3095.9	2974.7	2709.3	2579.4	2484.2
33928.1	60°	28749.0	20471.1	4244.3	2680.4	2712.2	2928.6	2720.8	2611.2	2469.8	2363.1
37228.9	62.5°	31989.2	23468.9	3924.0	2351.5	2518.9	2680.4	2599.6	2490.0	2345.7	2241.9
42872.5	65°	36778.8	27635.3	3321.0	2094.7	2302.5	2438.1	2469.8	2360.2	2210.1	2100.5
47817.9	67.5°	40818.2	30249.4	2513.1	1881.2	2080.3	2241.9	2331.3	2224.6	2065.9	1959.1
48974.9	70°	40596.0	28350.9	1918.7	1670.6	1884.1	2048.6	2164.0	2080.3	1910.1	1809.1
44485.4	72.5°	36057.5	23717.1	1552.3	1457.1	1685.0	1846.6	1985.1	1921.6	1748.5	1650.4
32589.3	75°	26489.8	16835.7	1240.7	1240.7	1436.9	1636.0	1788.9	1748.5	1589.8	1520.5
13682.0	77.5°	11166.1	7063.2	972.3	1030.0	1194.5	1405.1	1595.6	1610.0	1471.5	1558.1
3618.2	80°	2969.0	1947.6	741.5	810.8	937.7	1159.9	1387.8	1382.1	1232.0	1151.2
1344.5	82.5°	1131.0	767.5	528.0	571.3	678.0	888.7	1099.3	1133.9	983.9	851.2
528.0	85°	435.7	328.9	326.0	343.3	395.3	588.6	831.0	859.8	741.5	629.0
147.1	87.5°	112.5	98.1	121.2	115.4	181.8	314.5	476.1	493.4	453.0	262.6
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°
7972.1
7605.6
7048.8
6541.0
6235.1
6148.6
6217.8
6315.9
6315.9
6171.6
5903.3
5551.3
5144.5
4694.4
4299.1
4120.2
3857.6
3499.9
3205.6
3009.4
2865.1
2781.4
2573.7
2475.6
2357.3
2241.9
2106.3
1962.0
1817.7
1650.4
1500.4
1413.8
1070.4
851.2
649.2
375.1
0.0

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