

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: P849698

Luminaire Tested: **GLAN-SB6D-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51127 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

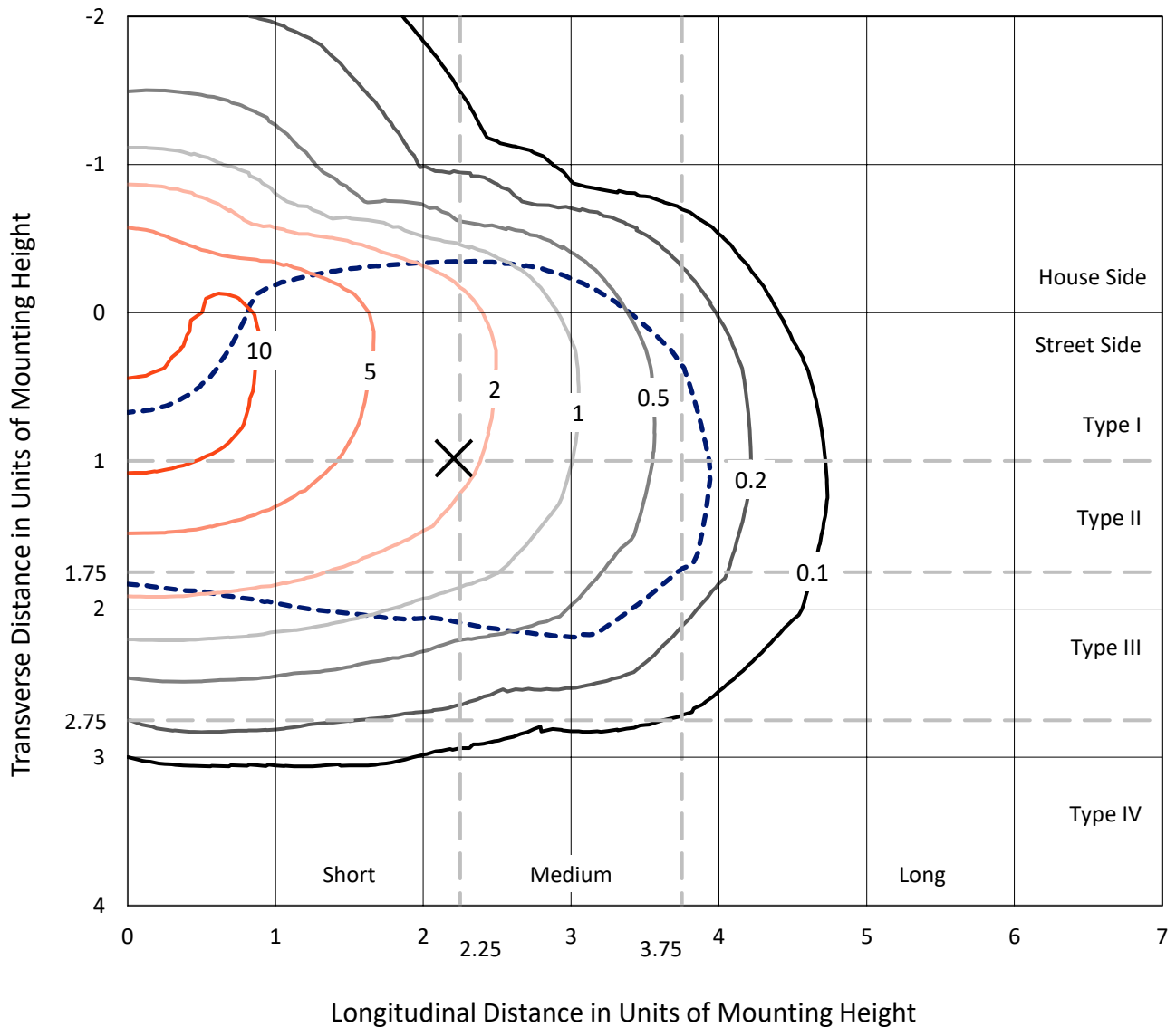
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

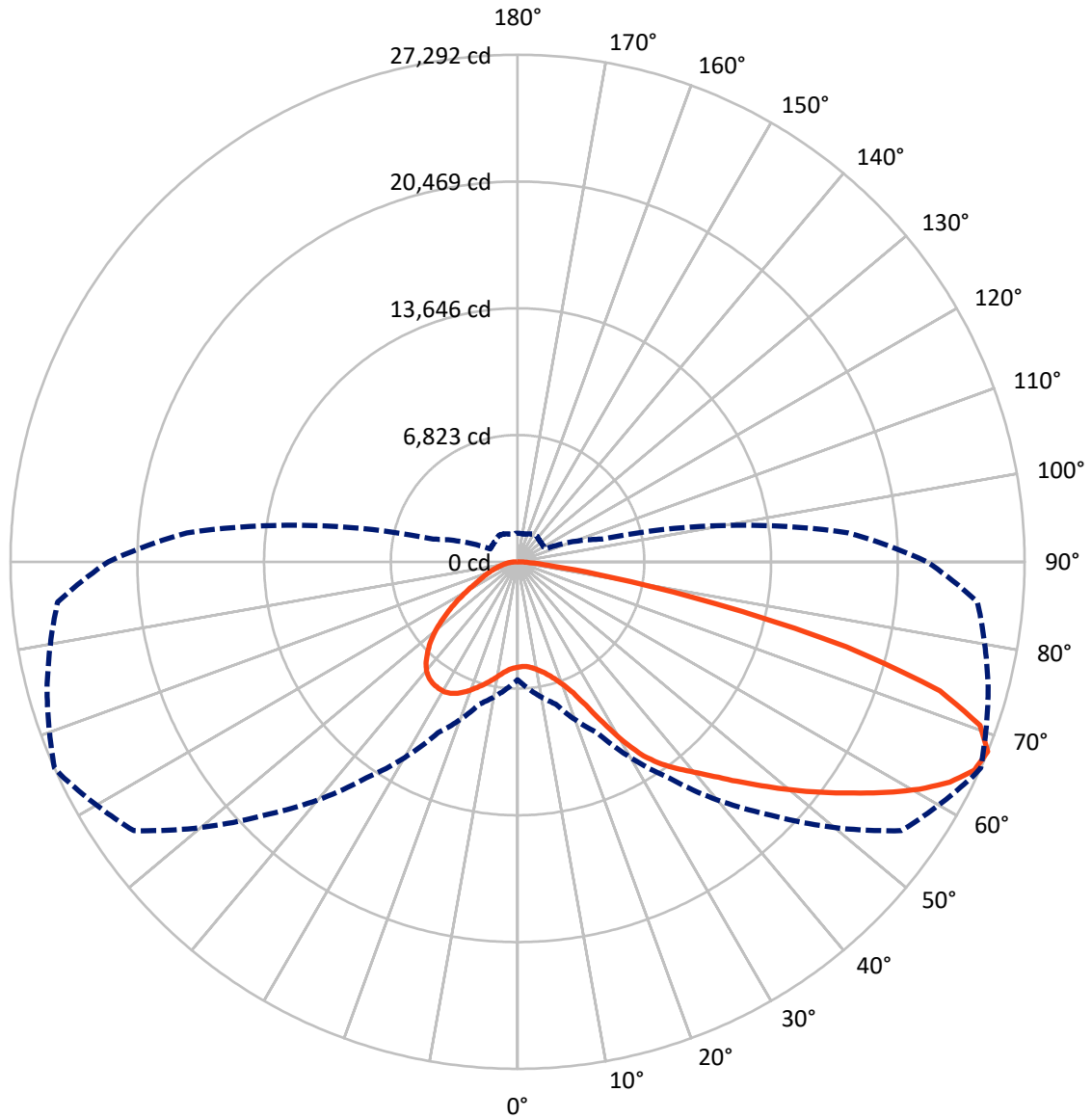
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12712.6	0.0	12712.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	38414.4	0.0	38414.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	51127.0	0.0	51127.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.2	1.1
10°-20°	1857.5	3.6
20°-30°	3580.3	7.0
30°-40°	6277.5	12.3
40°-50°	9332.6	18.3
50°-60°	11830.0	23.1
60°-70°	11575.3	22.6
70°-80°	5521.5	10.8
80°-90°	590.1	1.2
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°	51127.0	100.0
0°-180°	51127.0	100.0

**Coefficient of Utilization**

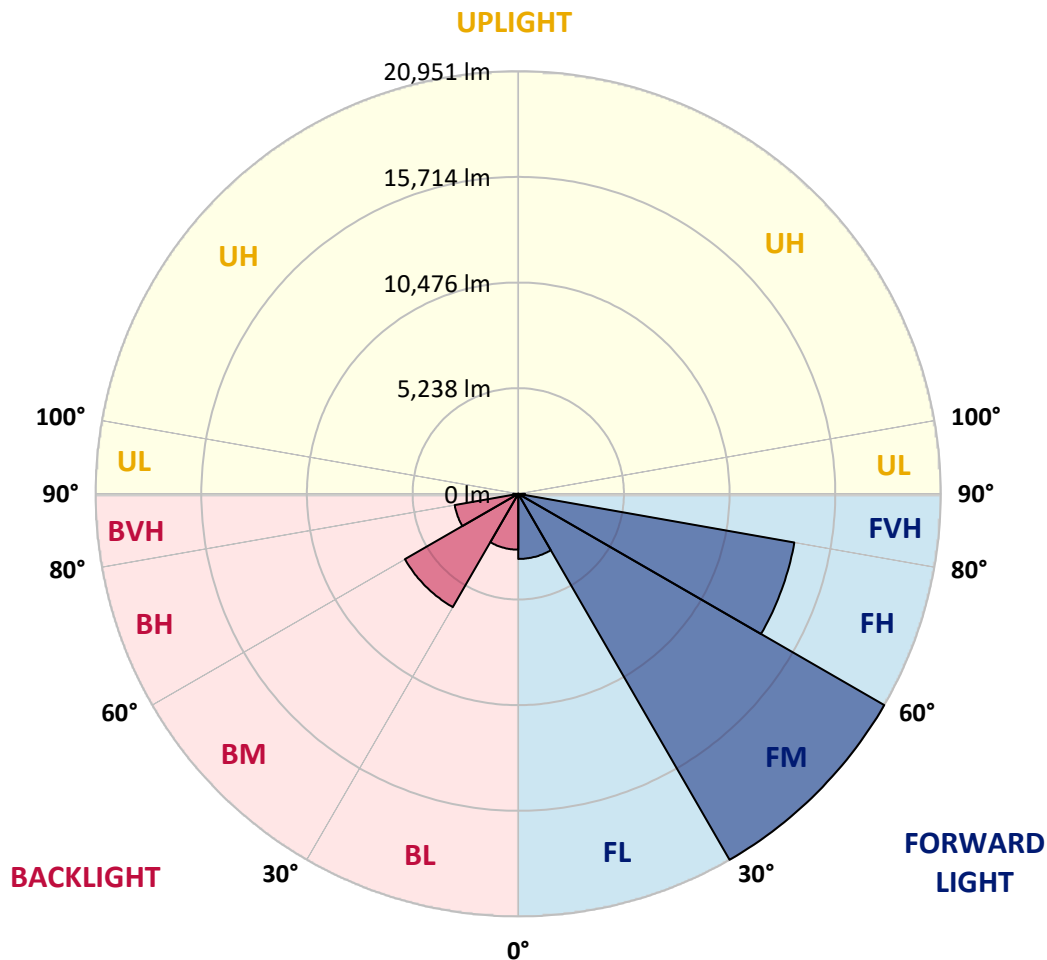


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3230.7	6.3			
FM (30°-60°)	20951.4	41.0			
FH (60°-80°)	13897.7	27.2			G5
FVH (80°-90°)	334.6	0.7			G3/500
BL (0°-30°)	2769.3	5.4	B4/5000		
BM (30°-60°)	6488.6	12.7	B4/8500		
BH (60°-80°)	3199.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	255.5	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7
2.5°	5611.6	5643.8	5635.7	5622.3	5619.6	5625.0	5633.1	5641.1	5638.4	5651.9
5°	5595.4	5627.7	5625.0	5625.0	5635.7	5657.2	5670.7	5684.1	5670.7	5686.8
7.5°	5606.2	5630.4	5641.1	5651.9	5678.7	5719.0	5751.2	5780.8	5764.7	5783.5
10°	5743.2	5762.0	5772.7	5772.7	5791.5	5837.2	5869.4	5923.2	5909.7	5939.3
12.5°	5993.0	6011.8	6011.8	6001.1	6014.5	6044.0	6054.8	6113.9	6089.7	6138.1
15°	6299.2	6336.8	6307.3	6288.5	6293.9	6323.4	6320.7	6366.4	6342.2	6382.5
17.5°	6637.7	6686.1	6637.7	6635.0	6624.3	6656.5	6659.2	6699.5	6656.5	6686.1
20°	7038.0	7105.1	7064.8	7078.3	7054.1	7067.5	7080.9	7140.0	7072.9	7094.4
22.5°	7602.1	7682.7	7639.7	7690.7	7674.6	7663.9	7661.2	7765.9	7661.2	7669.2
25°	8424.1	8520.8	8445.5	8515.4	8515.4	8550.3	8590.6	8724.9	8550.3	8499.3
27.5°	9638.2	9734.9	9587.2	9630.2	9616.8	9702.7	9659.7	9992.8	9804.8	9721.5
30°	11099.6	11271.5	10992.1	10981.4	10967.9	11104.9	11166.7	11387.0	11196.3	11113.0
32.5°	12679.1	12859.0	12526.0	12429.2	12378.2	12461.5	12410.4	12587.7	12456.1	12327.2
35°	14349.9	14527.2	14210.2	14022.2	13818.0	13643.4	13460.8	13506.4	13382.9	13186.8
37.5°	15929.4	16254.5	15918.7	15717.2	15341.1	15000.0	14489.6	14277.4	14161.9	13981.9
40°	17538.5	17723.8	17468.6	17296.7	16888.4	16353.9	15537.2	15088.6	14932.8	14758.2
42.5°	18723.1	18900.4	18763.4	18645.2	18325.6	17705.0	16649.3	16087.9	15862.3	15666.2
45°	19663.3	19794.9	19709.0	19751.9	19614.9	19013.2	17801.7	17159.7	16926.0	16686.9
47.5°	20042.1	20181.7	20318.7	20573.9	20807.6	20364.4	19040.1	18320.2	18073.0	17828.6
50°	19999.1	20141.5	20539.0	21081.6	21806.9	21659.2	20345.6	19555.9	19327.5	19048.2
52.5°	19655.2	19816.4	20326.8	21229.4	22384.5	22628.9	21675.3	20831.8	20616.9	20283.8
55°	18752.7	18849.4	19614.9	20893.6	22521.5	23305.8	22978.1	22191.1	21976.2	21511.4
57.5°	17079.1	17218.8	18333.6	19988.3	22177.6	23765.2	24122.5	23620.1	23413.3	22744.4
60°	14895.2	15118.2	16394.1	18467.9	21301.9	23762.5	25162.0	25025.0	24853.1	23958.6
62.5°	12423.9	12681.8	13909.4	16318.9	19770.8	23088.3	25812.1	26201.6	26113.0	25078.8
65°	9541.5	9718.8	10941.1	13538.7	17388.1	21640.4	25887.3	27004.8	27020.9	25930.3
67.5°	6353.0	6863.4	7924.4	10159.4	14196.8	19273.8	25226.5	27136.4	27292.2	26223.1
70°	3099.9	3771.5	4811.1	6602.8	10159.4	15644.7	23499.3	26056.6	26403.1	25368.9
72.5°	1286.7	1504.3	2071.1	3258.4	5831.8	10556.9	20028.6	23128.6	23770.6	22478.5
75°	867.7	940.2	1184.6	1670.8	2656.7	5205.9	14443.9	17245.7	18279.9	16977.1
77.5°	668.9	714.5	862.3	1168.5	1579.5	1969.0	7731.0	10393.1	10927.6	10116.4
80°	526.5	561.4	644.7	851.5	1120.2	1053.0	2635.2	4709.0	5017.9	4209.3
82.5°	456.7	470.1	462.0	577.5	744.1	615.1	865.0	1738.0	1918.0	1391.5
85°	330.4	368.0	384.1	357.3	394.9	311.6	354.6	615.1	676.9	604.4
87.5°	134.3	198.8	244.4	231.0	145.1	88.6	110.1	180.0	206.8	225.6
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°
5670.7	0°	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7	5670.7
5673.3	2.5°	5676.0	5694.8	5708.3	5724.4	5735.1	5751.2	5783.5	5802.3	5805.0	5818.4
5716.3	5°	5727.1	5753.9	5783.5	5826.5	5874.8	5915.1	5976.9	6019.9	6036.0	6049.4
5821.1	7.5°	5837.2	5874.8	5928.5	6003.8	6073.6	6127.3	6202.5	6253.6	6304.6	6323.4
5987.6	10°	6001.1	6054.8	6132.7	6234.8	6310.0	6379.8	6457.7	6500.7	6551.7	6573.2
6186.4	12.5°	6205.2	6261.6	6363.7	6506.1	6575.9	6624.3	6651.1	6640.4	6651.1	6669.9
6425.5	15°	6438.9	6500.7	6616.2	6769.3	6817.7	6774.7	6715.6	6661.9	6653.8	6659.2
6715.6	17.5°	6715.6	6761.3	6895.6	7024.5	6989.6	6812.3	6683.4	6597.4	6554.4	6541.0
7086.3	20°	7102.4	7102.4	7212.6	7293.2	7059.4	6758.6	6557.1	6417.4	6328.8	6291.2
7591.3	22.5°	7572.5	7529.5	7599.4	7543.0	7046.0	6608.2	6328.8	6087.0	5952.7	5899.0
8297.8	25°	8168.9	8117.8	8099.0	7749.8	6949.3	6369.1	5915.1	5622.3	5504.1	5474.6
9315.9	27.5°	9068.8	8939.8	8695.4	7862.6	6772.0	5993.0	5431.6	5160.3	5093.1	5095.8
10624.1	30°	10266.8	10008.9	9409.9	7881.4	6481.9	5461.1	4937.3	4743.9	4711.7	4725.1
11722.8	32.5°	11376.2	11131.8	10140.6	7795.5	6036.0	4940.0	4494.1	4365.1	4316.8	4332.9
12560.9	35°	12246.6	12179.4	10817.5	7674.6	5488.0	4451.1	4096.5	3986.4	3892.4	3870.9
13350.6	37.5°	13068.6	13041.7	11325.2	7505.4	4945.4	4104.6	3776.9	3631.8	3494.8	3419.6
14223.7	40°	13971.2	13944.3	11658.3	7244.8	4464.5	3803.7	3489.4	3298.7	3129.5	2992.5
15212.2	42.5°	14986.6	14828.1	11816.8	6871.4	4056.2	3548.5	3255.7	2997.8	2774.9	2648.6
16329.7	45°	16096.0	15738.7	11814.1	6395.9	3712.4	3314.8	3005.9	2640.6	2433.7	2315.5
17476.7	47.5°	17272.5	16609.0	11669.0	5869.4	3379.3	3056.9	2619.1	2339.7	2202.7	2130.2
18723.1	50°	18486.7	17423.0	11421.9	5265.0	3038.1	2764.1	2377.3	2186.6	2081.8	2014.7
19958.8	52.5°	19628.4	18161.7	11123.7	4580.0	2691.6	2479.4	2269.9	2122.1	2012.0	1936.8
21156.9	55°	20689.4	18798.3	10702.0	3878.9	2409.6	2288.7	2218.8	2095.3	1969.0	1880.4
22373.7	57.5°	21632.3	19212.0	9974.0	3220.8	2208.1	2157.1	2165.1	2049.6	1904.5	1829.3
23571.8	60°	22416.7	19515.6	8896.8	2611.0	2044.2	2028.1	2081.8	1963.6	1794.4	1708.5
24584.5	62.5°	22886.8	19510.2	7575.2	2138.2	1904.5	1909.9	1971.7	1856.2	1684.3	1603.7
25113.7	65°	22846.5	19032.0	6124.6	1829.3	1770.2	1775.6	1856.2	1738.0	1592.9	1544.6
24847.8	67.5°	22037.9	17866.2	4698.2	1627.9	1622.5	1646.7	1740.7	1657.4	1536.5	1531.2
23262.9	70°	19848.7	15445.9	3384.7	1466.7	1469.4	1504.3	1627.9	1606.4	1507.0	1517.7
19558.5	72.5°	15916.0	11776.5	2272.6	1297.5	1300.1	1356.6	1520.4	1566.1	1477.4	1619.8
13877.1	75°	10599.9	7344.2	1461.3	1117.5	1120.2	1192.7	1426.4	1488.2	1396.8	1614.4
7220.6	77.5°	5093.1	3301.4	1058.4	940.2	940.2	1007.3	1233.0	1332.4	1190.0	1254.5
2320.9	80°	1759.5	1241.0	832.7	757.5	741.4	787.1	1039.6	1155.1	1026.1	945.6
757.5	82.5°	693.1	644.7	668.9	588.3	534.6	564.1	808.6	953.6	754.8	682.3
427.1	85°	397.6	419.1	472.8	389.5	308.9	346.5	593.7	685.0	569.5	502.3
139.7	87.5°	107.4	147.7	217.6	201.5	139.7	147.7	282.1	378.8	327.7	252.5
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°
5670.7
5815.7
6046.7
6326.1
6584.0
6675.3
6678.0
6559.8
6283.1
5890.9
5479.9
5103.9
4770.8
4354.4
3887.0
3422.3
3005.9
2656.7
2310.2
2114.1
1990.5
1904.5
1845.4
1781.0
1670.8
1579.5
1541.9
1539.2
1515.0
1641.3
1627.9
1149.7
886.5
679.6
513.1
260.6
0.0

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