

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: P849726

Luminaire Tested: **GLAN-SB6D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849726
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-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 39375 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

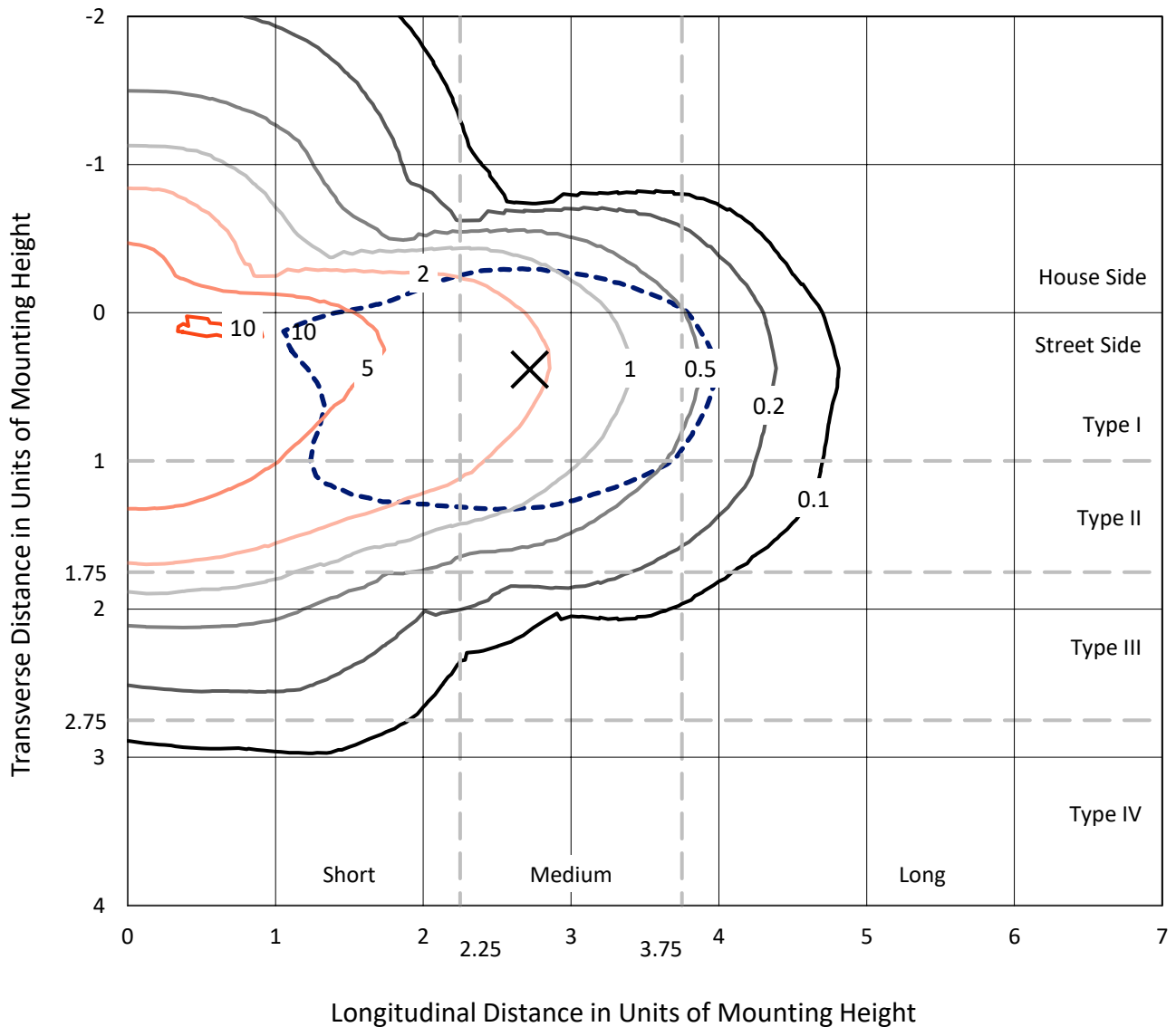
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

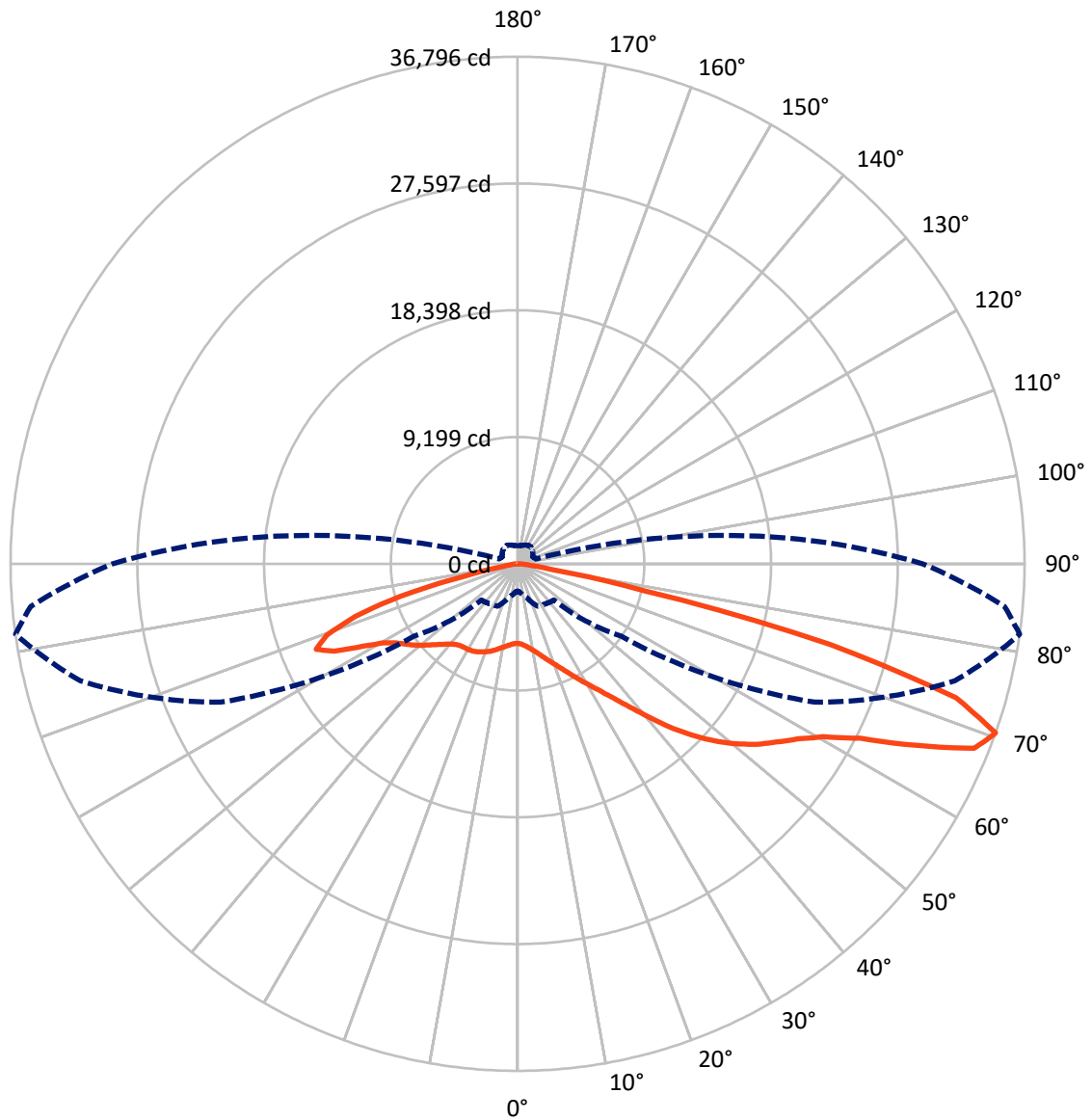
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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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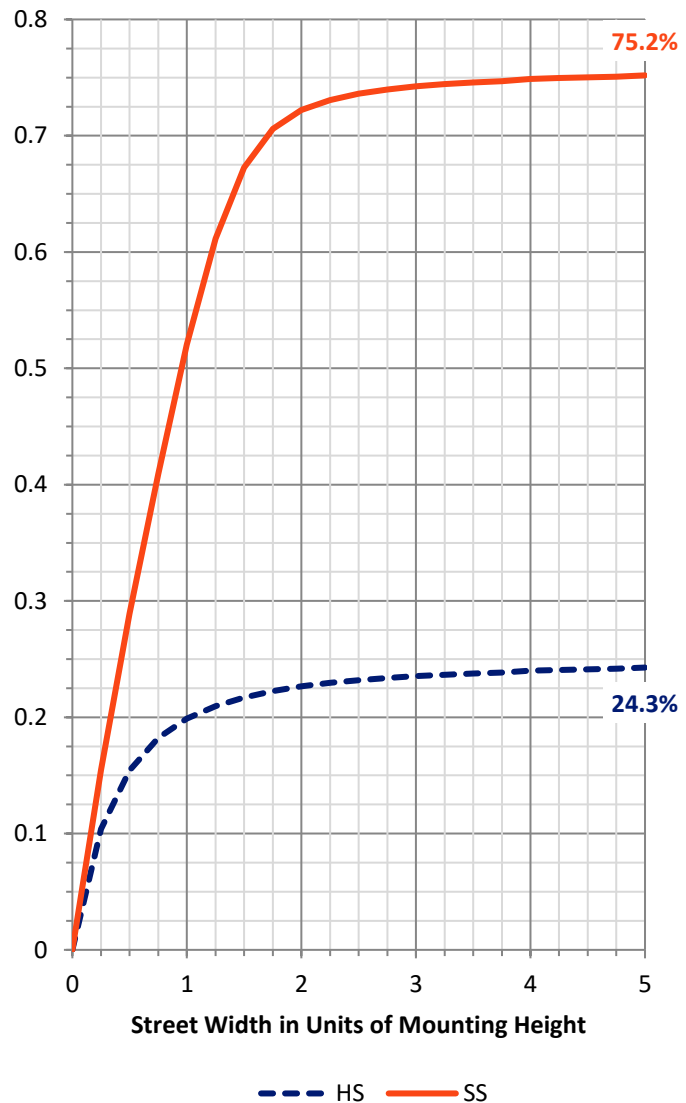
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9706.9	0.0	9706.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29668.1	0.0	29668.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	39375.0	0.0	39375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.1	1.4
10°-20°	1566.0	4.0
20°-30°	2619.7	6.7
30°-40°	4092.7	10.4
40°-50°	6518.1	16.6
50°-60°	9070.8	23.0
60°-70°	9488.4	24.1
70°-80°	4959.2	12.6
80°-90°	515.0	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°	39375.0	100.0
0°-180°	39375.0	100.0

Coefficient of Utilization



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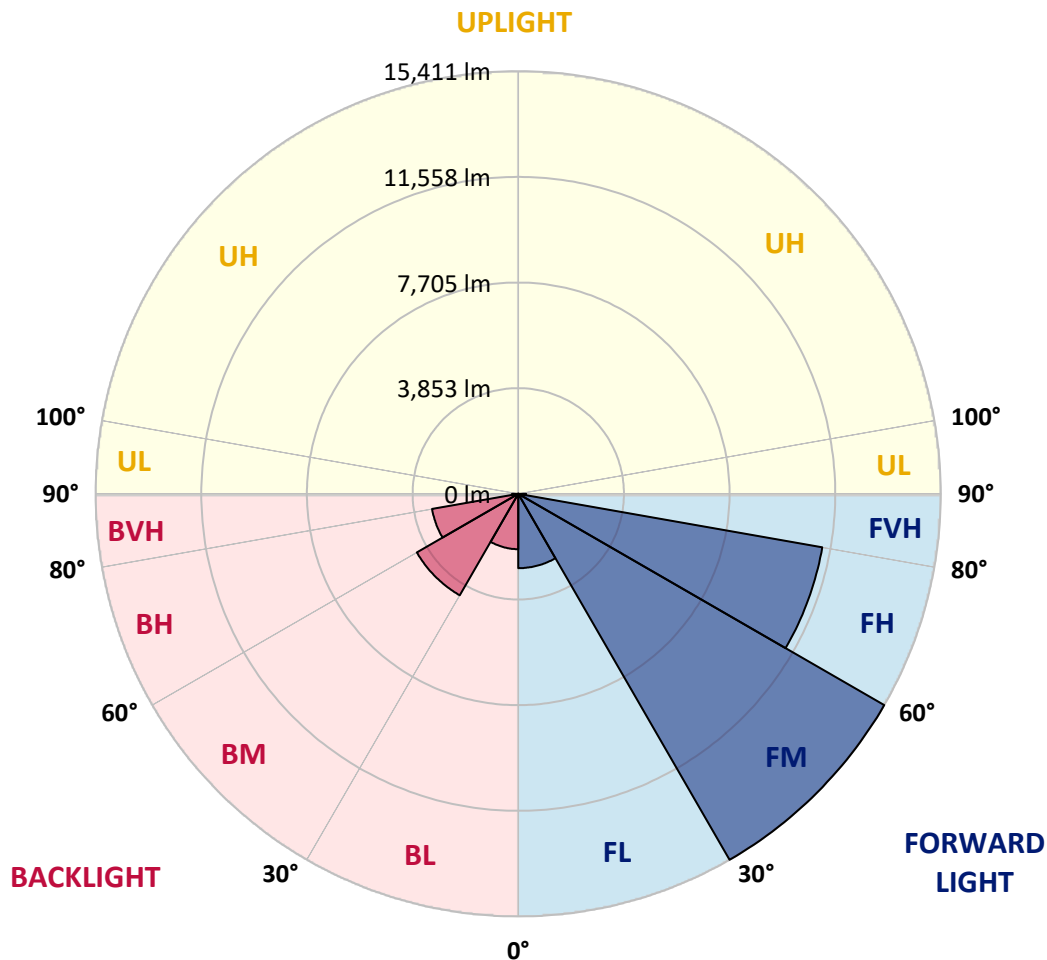
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2711.4	6.9			
FM (30°-60°)	15411.0	39.1			
FH (60°-80°)	11257.4	28.6			G4/12000
FVH (80°-90°)	288.3	0.7			G3/500
BL (0°-30°)	2019.4	5.1	B3/2500		
BM (30°-60°)	4270.7	10.8	B3/5000		
BH (60°-80°)	3190.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	226.7	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9
2.5°	5910.8	5944.2	5933.7	5923.3	5923.3	5908.7	5906.6	5885.7	5869.0	5841.8
5°	5986.0	6021.5	6017.3	6025.7	6052.8	6059.1	6065.4	6052.8	6019.4	5986.0
7.5°	5919.1	5958.8	5971.4	6021.5	6105.1	6180.3	6236.7	6259.7	6228.3	6180.3
10°	5693.5	5737.3	5781.2	5900.3	6048.7	6226.3	6376.7	6466.5	6460.3	6414.3
12.5°	5235.9	5281.9	5375.9	5607.8	5879.4	6192.8	6472.8	6660.8	6725.6	6692.2
15°	4870.3	4910.0	4981.0	5219.2	5572.3	6048.7	6508.3	6874.0	7039.0	7020.2
17.5°	4859.8	4876.5	4920.4	5033.2	5304.9	5823.0	6470.7	7082.9	7398.4	7396.3
20°	5043.7	5050.0	5075.0	5098.0	5252.6	5651.7	6374.6	7256.3	7801.6	7801.6
22.5°	5298.6	5294.4	5319.5	5298.6	5373.8	5637.1	6314.0	7408.8	8250.8	8284.3
25°	5680.9	5660.0	5653.8	5605.7	5620.3	5772.9	6380.9	7582.2	8783.6	8852.6
27.5°	6190.7	6157.3	6134.3	6023.6	5986.0	6052.8	6585.6	7791.2	9377.0	9496.1
30°	6855.1	6794.6	6761.1	6568.9	6433.1	6443.5	6894.8	8069.1	9997.5	10189.7
32.5°	7761.9	7667.9	7578.1	7262.6	7013.9	6932.5	7293.9	8453.5	10670.3	10977.4
35°	8777.3	8702.1	8606.0	8119.2	7736.9	7548.8	7833.0	8990.5	11458.0	11944.8
37.5°	9755.2	9690.4	9736.4	9080.3	8587.2	8313.5	8539.2	9711.3	12429.5	13148.3
40°	10766.4	10716.3	10722.5	10095.7	9521.2	9214.0	9395.8	10616.0	13543.2	14579.5
42.5°	11865.4	11827.8	11702.4	11146.7	10501.1	10214.8	10382.0	11660.6	14738.3	16209.2
45°	13096.0	13073.0	12956.0	12318.8	11579.2	11257.4	11483.1	12814.0	15939.6	17742.7
47.5°	14159.5	14178.3	14163.7	13626.7	12859.9	12387.7	12657.3	14017.4	17057.4	19184.4
50°	14671.4	14769.6	14913.8	14746.6	14270.2	13789.7	13841.9	15179.1	18123.0	20536.2
52.5°	14404.0	14589.9	14982.7	15250.1	15434.0	15333.7	15193.7	16332.4	19125.9	21756.4
55°	13407.3	13668.5	14320.4	14966.0	15904.1	16633.3	16817.2	17611.1	20103.7	22830.3
57.5°	11591.7	12015.8	12600.9	13906.7	15486.2	17262.2	18710.1	19385.0	21140.0	23977.4
60°	8478.6	9046.9	9774.0	11717.1	14023.7	16925.8	20321.0	22109.5	22613.0	25462.9
62.5°	5426.0	5777.0	6445.6	8275.9	10927.3	15202.1	20814.1	25515.1	25109.8	27899.1
65°	3714.9	3940.5	4552.7	5580.6	7064.1	11315.9	19493.6	28068.3	29075.4	31760.2
67.5°	2699.4	2870.8	3393.1	4293.6	4602.8	6696.4	15126.9	27951.3	32930.2	35738.3
70°	1968.2	2089.3	2528.1	3393.1	3541.4	3725.3	9163.9	23760.1	32846.6	36795.5
72.5°	1458.4	1541.9	1836.5	2632.6	2866.6	2515.6	4536.0	17268.5	28225.0	33281.2
75°	1055.1	1117.8	1335.1	2014.1	2294.1	1915.9	2262.8	10091.5	19687.9	23411.1
77.5°	806.5	854.5	996.6	1475.1	1836.5	1437.5	1404.0	4642.5	9335.2	9381.2
80°	647.7	679.0	756.3	1038.4	1408.2	1076.0	915.1	1874.1	2950.2	2496.8
82.5°	476.4	528.6	639.3	729.2	1007.1	741.7	557.9	946.5	1122.0	965.3
85°	271.6	307.1	386.5	522.3	643.5	453.4	319.7	420.0	522.3	428.3
87.5°	96.1	125.4	135.8	204.8	280.0	188.0	123.3	121.2	171.3	127.5
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°
5772.9	0°	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9	5772.9
5835.5	2.5°	5814.7	5804.2	5762.4	5706.0	5647.5	5591.1	5572.3	5532.6	5505.4	5490.8
5971.4	5°	5931.7	5898.2	5800.0	5674.7	5543.0	5401.0	5300.7	5208.7	5141.9	5079.2
6157.3	7.5°	6098.8	6040.3	5871.1	5651.7	5417.7	5181.6	5006.1	4872.4	4782.5	4724.0
6374.6	10°	6293.1	6203.3	5944.2	5616.2	5254.7	4916.2	4709.4	4594.5	4538.1	4506.7
6623.2	12.5°	6516.7	6389.2	6019.4	5534.7	5006.1	4619.5	4477.5	4444.0	4446.1	4448.2
6936.6	15°	6792.5	6614.9	6080.0	5357.1	4682.2	4391.8	4366.7	4421.1	4477.5	4504.6
7291.8	17.5°	7103.8	6853.1	6090.4	5064.6	4364.6	4245.6	4324.9	4442.0	4527.6	4565.2
7688.8	20°	7438.1	7095.4	6015.2	4650.9	4103.5	4126.5	4268.5	4419.0	4513.0	4561.0
8142.2	22.5°	7820.4	7354.5	5835.5	4216.3	3890.4	3996.9	4164.1	4310.3	4408.5	4456.6
8675.0	25°	8257.1	7644.9	5553.5	3850.7	3706.5	3850.7	4017.8	4139.0	4218.4	4262.3
9270.4	27.5°	8741.8	7947.9	5177.4	3560.2	3545.6	3700.2	3838.1	3932.2	3973.9	4007.4
9903.5	30°	9228.6	8223.7	4721.9	3340.9	3405.6	3551.9	3650.1	3691.9	3704.4	3710.7
10609.7	32.5°	9755.2	8461.9	4243.5	3159.1	3271.9	3407.7	3466.2	3485.0	3426.5	3386.8
11466.3	35°	10392.4	8716.8	3775.5	3014.9	3140.3	3257.3	3276.1	3259.4	3190.4	3108.9
12540.3	37.5°	11180.1	9034.3	3401.5	2912.6	3017.0	3094.3	3071.3	3067.2	3073.4	2977.3
13831.5	40°	12145.4	9448.0	3127.8	2833.2	2916.7	2933.4	2868.7	2904.2	2935.5	2789.3
15248.1	42.5°	13217.2	9947.4	2954.3	2778.8	2833.2	2793.5	2693.2	2732.9	2728.7	2536.5
16670.9	45°	14309.9	10490.6	2893.7	2739.1	2755.8	2676.5	2565.7	2576.2	2488.4	2315.0
18035.2	47.5°	15396.4	11073.5	2931.4	2705.7	2659.7	2569.9	2484.2	2438.3	2308.7	2179.2
19343.2	50°	16462.0	11685.7	3069.3	2638.8	2528.1	2475.9	2413.2	2331.7	2193.8	2083.1
20580.1	52.5°	17450.2	12302.1	3223.9	2528.1	2363.1	2394.4	2354.7	2260.7	2124.9	2012.0
21750.1	55°	18386.3	12918.4	3284.5	2375.6	2208.4	2323.4	2300.4	2127.0	1964.0	1872.1
22974.5	57.5°	19405.9	13660.2	3217.6	2181.3	2083.1	2241.9	2154.1	1961.9	1867.9	1798.9
24568.6	60°	20818.3	14823.9	3073.4	1941.0	1964.0	2120.7	1970.3	1890.9	1788.5	1711.2
26958.9	62.5°	23164.6	16994.8	2841.5	1702.8	1824.0	1941.0	1882.5	1803.1	1698.6	1623.4
31045.6	65°	26632.9	20011.8	2404.8	1516.9	1667.3	1765.5	1788.5	1709.1	1600.4	1521.0
34626.8	67.5°	29558.0	21904.7	1819.8	1362.3	1506.4	1623.4	1688.2	1610.9	1496.0	1418.7
35464.6	70°	29397.1	20529.9	1389.4	1209.7	1364.3	1483.4	1567.0	1506.4	1383.1	1310.0
32213.6	72.5°	26110.6	17174.4	1124.1	1055.1	1220.2	1337.2	1437.5	1391.5	1266.1	1195.1
23599.2	75°	19182.3	12191.3	898.4	898.4	1040.5	1184.7	1295.4	1266.1	1151.2	1101.1
9907.7	77.5°	8085.8	5114.7	704.1	745.9	865.0	1017.5	1155.4	1165.9	1065.6	1128.2
2620.0	80°	2149.9	1410.3	537.0	587.1	679.0	839.9	1005.0	1000.8	892.2	833.6
973.6	82.5°	819.0	555.8	382.4	413.7	491.0	643.5	796.0	821.1	712.5	616.4
382.4	85°	315.5	238.2	236.1	248.6	286.2	426.2	601.7	622.6	537.0	455.5
106.6	87.5°	81.5	71.0	87.8	83.6	131.6	227.7	344.7	357.3	328.0	190.1
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°
5772.9
5507.5
5104.3
4736.6
4515.1
4452.4
4502.5
4573.6
4573.6
4469.1
4274.8
4019.9
3725.3
3399.4
3113.1
2983.6
2793.5
2534.4
2321.3
2179.2
2074.7
2014.1
1863.7
1792.7
1707.0
1623.4
1525.2
1420.8
1316.3
1195.1
1086.5
1023.8
775.1
616.4
470.1
271.6
0.0

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