

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: P849626

Luminaire Tested: **GLAN-SB6D-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849626
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-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59063 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

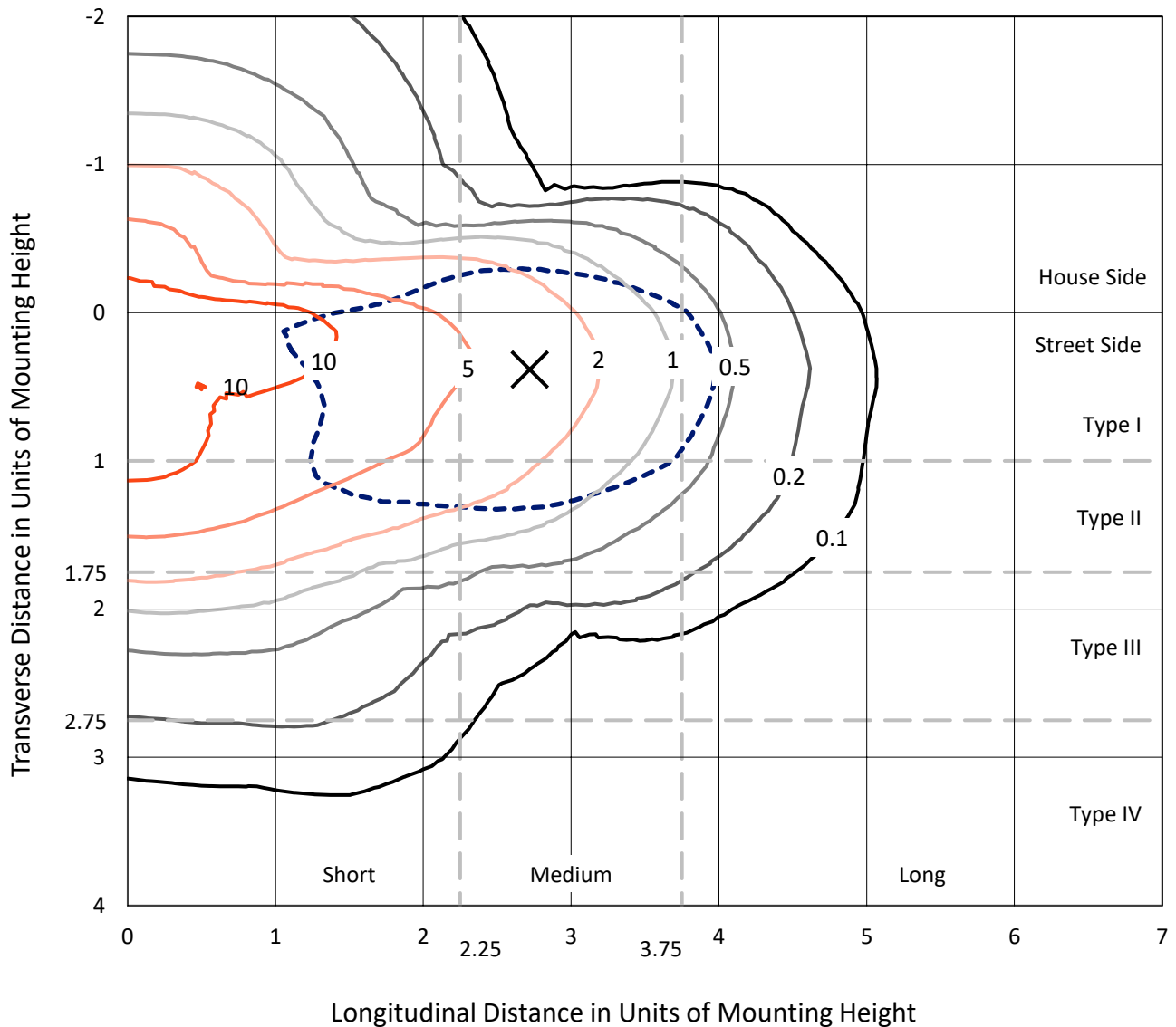
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

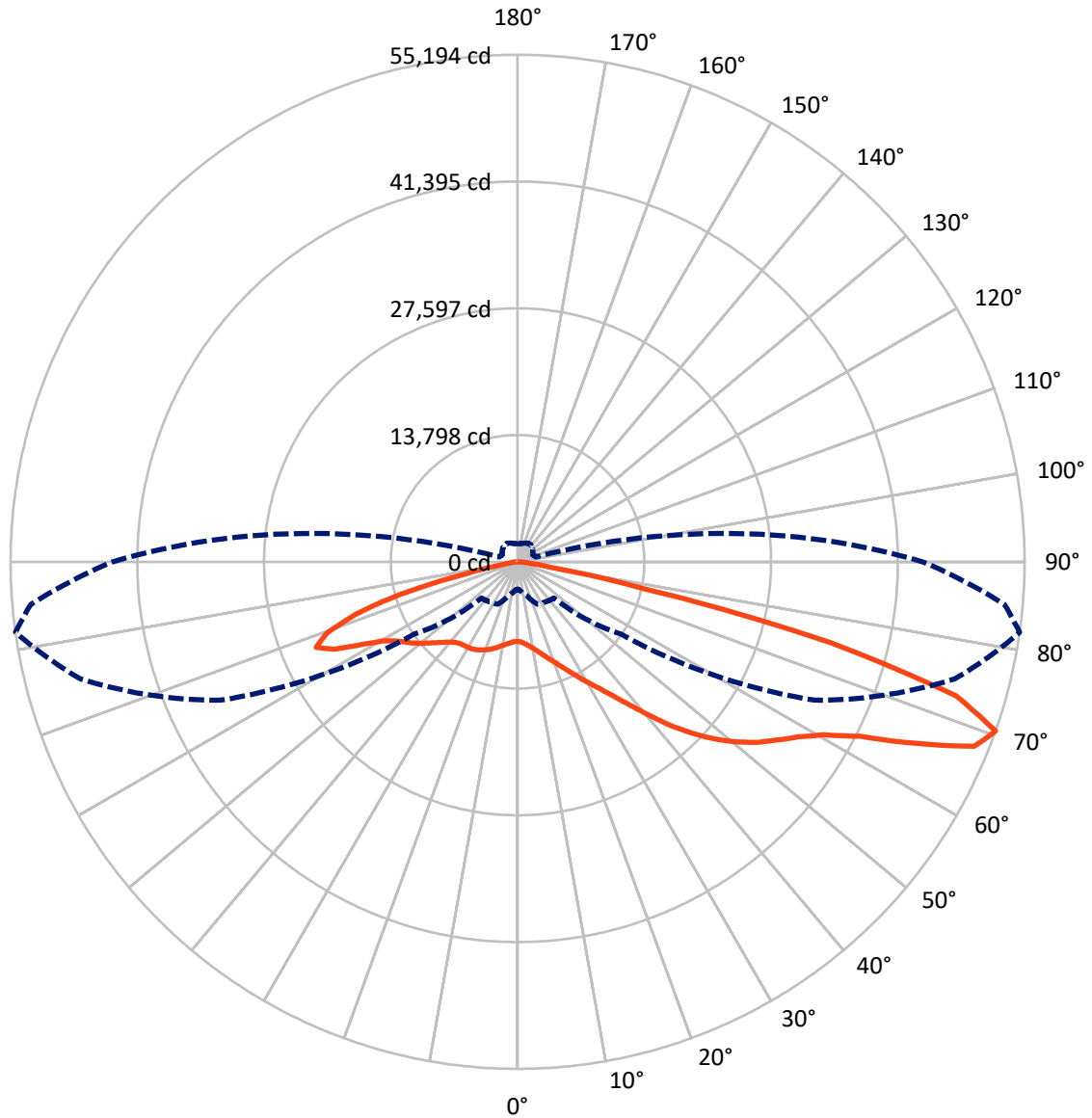
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 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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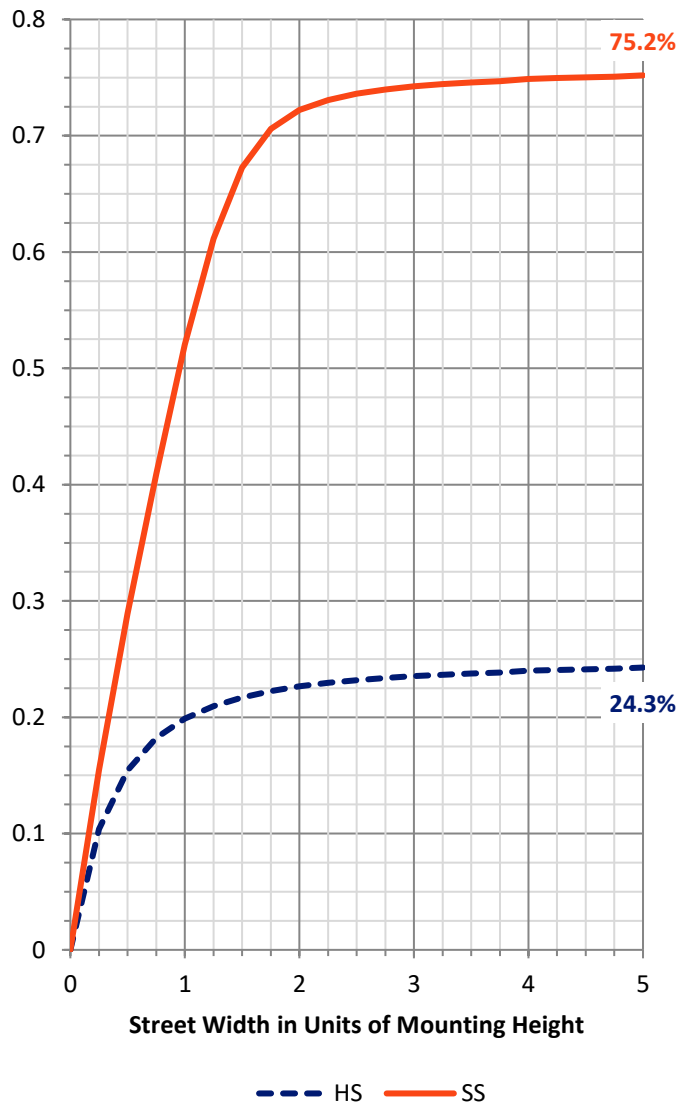
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14560.5	0.0	14560.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	44502.5	0.0	44502.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	59063.0	0.0	59063.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.6	1.4
10°-20°	2349.0	4.0
20°-30°	3929.7	6.7
30°-40°	6139.1	10.4
40°-50°	9777.3	16.6
50°-60°	13606.3	23.0
60°-70°	14232.8	24.1
70°-80°	7438.8	12.6
80°-90°	772.4	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°	59063.0	100.0
0°-180°	59063.0	100.0

Coefficient of Utilization

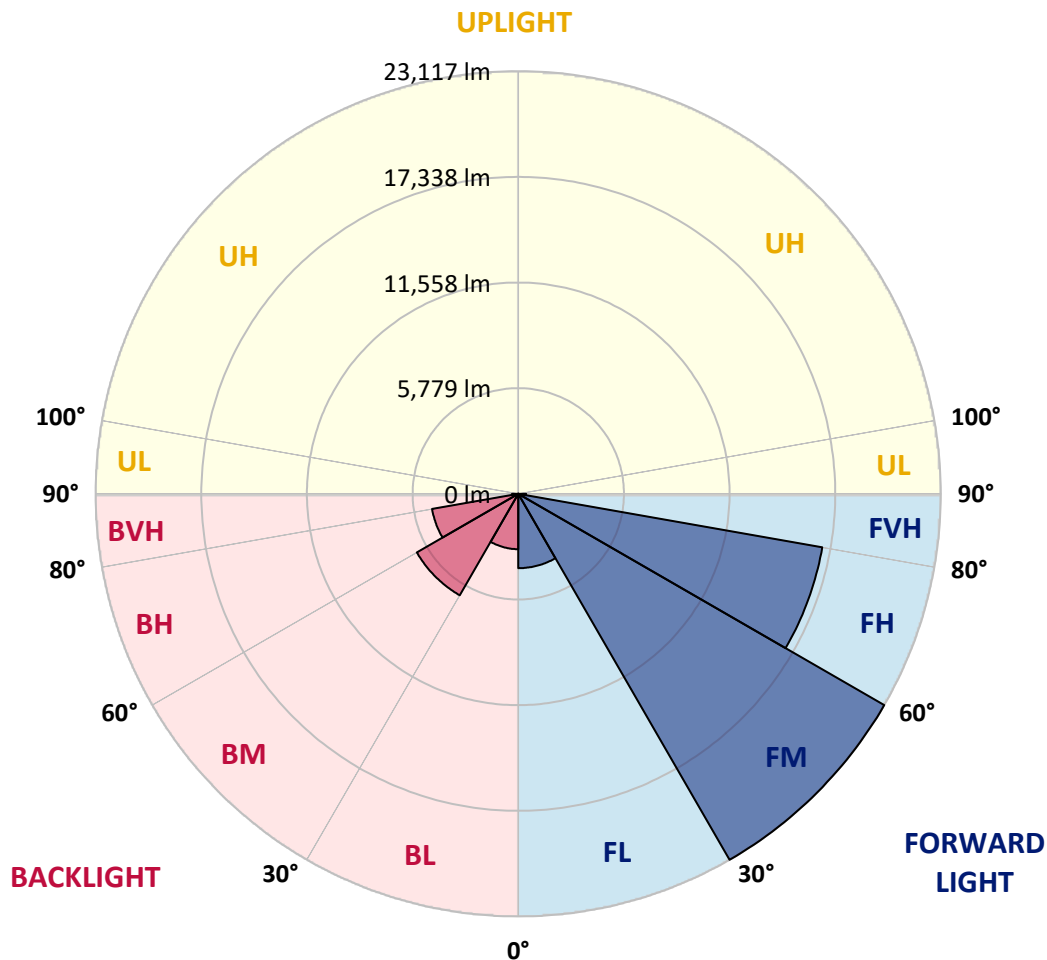


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4067.1	6.9			
FM (30°-60°)	23116.7	39.1			
FH (60°-80°)	16886.3	28.6			G5
FVH (80°-90°)	432.4	0.7			G3/500
BL (0°-30°)	3029.1	5.1	B4/5000		
BM (30°-60°)	6406.0	10.8	B4/8500		
BH (60°-80°)	4785.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	340.0	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°	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4
2.5°	8866.2	8916.4	8900.7	8885.0	8885.0	8863.1	8860.0	8828.6	8803.5	8762.8
5°	8979.0	9032.3	9026.1	9038.6	9079.3	9088.7	9098.1	9079.3	9029.2	8979.0
7.5°	8878.8	8938.3	8957.1	9032.3	9157.7	9270.5	9355.1	9389.6	9342.6	9270.5
10°	8540.3	8606.1	8671.9	8850.6	9073.1	9339.5	9565.1	9699.9	9690.5	9621.5
12.5°	7853.9	7922.9	8063.9	8411.8	8819.2	9289.3	9709.3	9991.3	10088.5	10038.4
15°	7305.5	7365.0	7471.6	7828.9	8358.5	9073.1	9762.6	10311.0	10558.6	10530.4
17.5°	7289.8	7314.9	7380.7	7549.9	7957.3	8734.6	9706.1	10624.4	11097.7	11094.5
20°	7565.6	7575.0	7612.6	7647.1	7879.0	8477.6	9562.0	10884.5	11702.5	11702.5
22.5°	7947.9	7941.7	7979.3	7947.9	8060.8	8455.7	9471.1	11113.3	12376.4	12426.5
25°	8521.5	8490.1	8480.7	8408.7	8430.6	8659.4	9571.4	11373.5	13175.5	13279.0
27.5°	9286.2	9236.0	9201.6	9035.5	8979.0	9079.3	9878.5	11686.9	14065.6	14244.2
30°	10282.8	10191.9	10141.8	9853.4	9649.7	9665.4	10342.4	12103.7	14996.4	15284.8
32.5°	11643.0	11502.0	11367.2	10894.0	10521.0	10398.8	10941.0	12680.4	16005.6	16466.3
35°	13166.1	13053.3	12909.1	12178.9	11605.4	11323.3	11749.5	13485.8	17187.1	17917.4
37.5°	14632.9	14535.7	14604.7	13620.6	12880.9	12470.4	12808.9	14567.1	18644.5	19722.6
40°	16149.7	16074.5	16083.9	15143.7	14281.9	13821.2	14093.8	15924.1	20314.9	21869.4
42.5°	17798.3	17741.8	17553.8	16720.1	15751.7	15322.4	15573.1	17491.1	22107.6	24313.9
45°	19644.2	19609.7	19434.2	18478.3	17368.9	16886.3	17224.7	19221.1	23909.7	26614.3
47.5°	21239.4	21267.6	21245.7	20440.3	19290.1	18581.8	18986.1	21026.3	25586.4	28776.8
50°	22007.3	22154.6	22370.8	22120.1	21405.5	20684.7	20763.1	22768.9	27184.7	30804.6
52.5°	21606.1	21885.1	22474.3	22875.4	23151.2	23000.8	22790.8	24498.9	28689.1	32634.8
55°	20111.2	20502.9	21480.8	22449.2	23856.4	24950.2	25226.0	26416.9	30155.8	34245.7
57.5°	17387.7	18023.9	18901.4	20860.2	23229.6	25893.5	28065.4	29077.7	31710.3	35966.3
60°	12718.0	13570.4	14661.1	17575.7	21035.7	25388.9	30481.7	33164.5	33919.8	38194.6
62.5°	8139.1	8665.6	9668.5	12414.0	16391.1	22803.3	31221.4	38273.0	37665.0	41848.9
65°	5572.3	5910.8	6829.1	8371.0	10596.2	16974.0	29240.7	42102.8	43613.4	47640.7
67.5°	4049.2	4306.2	5089.7	6440.5	6904.3	10044.6	22690.5	41927.3	49395.7	53607.9
70°	2952.3	3134.0	3792.2	5089.7	5312.2	5588.0	13745.9	35640.4	49270.4	55193.7
72.5°	2187.6	2312.9	2754.8	3948.9	4299.9	3773.4	6804.0	25902.9	42337.9	49922.2
75°	1582.7	1676.7	2002.7	3021.2	3441.2	2873.9	3394.2	15137.5	29532.1	35117.0
77.5°	1209.7	1281.8	1494.9	2212.6	2754.8	2156.2	2106.1	6963.9	14002.9	14071.9
80°	971.6	1018.6	1134.5	1557.6	2112.3	1614.0	1372.7	2811.2	4425.3	3745.2
82.5°	714.6	792.9	959.0	1093.8	1510.6	1112.6	836.8	1419.7	1683.0	1447.9
85°	407.4	460.7	579.8	783.5	965.3	680.1	479.5	629.9	783.5	642.5
87.5°	144.2	188.0	203.7	307.1	420.0	282.1	184.9	181.8	257.0	191.2
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°
8659.4	0°	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4	8659.4
8753.4	2.5°	8722.1	8706.4	8643.7	8559.1	8471.3	8386.7	8358.5	8299.0	8258.2	8236.3
8957.1	5°	8897.6	8847.4	8700.1	8512.1	8314.6	8101.5	7951.1	7813.2	7712.9	7618.9
9236.0	7.5°	9148.3	9060.5	8806.7	8477.6	8126.6	7772.4	7509.2	7308.6	7173.8	7086.1
9562.0	10°	9439.8	9305.0	8916.4	8424.3	7882.1	7374.4	7064.1	6891.8	6807.2	6760.1
9934.9	12.5°	9775.1	9583.9	9029.2	8302.1	7509.2	6929.4	6716.3	6666.1	6669.3	6672.4
10405.0	15°	10188.8	9922.4	9120.1	8035.7	7023.4	6587.8	6550.2	6631.6	6716.3	6757.0
10937.8	17.5°	10655.8	10279.7	9135.7	7596.9	6547.0	6368.4	6487.5	6663.0	6791.5	6847.9
11533.3	20°	11157.2	10643.2	9022.9	6976.4	6155.3	6189.7	6402.9	6628.5	6769.5	6841.6
12213.4	22.5°	11730.7	11031.8	8753.4	6324.5	5835.6	5995.4	6246.2	6465.5	6612.8	6684.9
13012.6	25°	12385.8	11467.5	8330.3	5776.1	5559.8	5776.1	6026.8	6208.5	6327.6	6393.5
13905.8	27.5°	13112.9	11921.9	7766.2	5340.4	5318.5	5550.4	5757.2	5898.3	5961.0	6011.1
14855.4	30°	13843.1	12335.6	7082.9	5011.3	5108.5	5327.9	5475.2	5537.9	5556.7	5566.1
15914.7	32.5°	14632.9	12692.9	6365.3	4738.7	4907.9	5111.6	5199.4	5227.6	5139.8	5080.3
17199.7	35°	15588.8	13075.2	5663.2	4522.4	4710.5	4886.0	4914.2	4889.1	4785.7	4663.5
18810.6	37.5°	16770.3	13551.6	5102.2	4368.9	4525.6	4641.5	4607.1	4600.8	4610.2	4466.0
20747.4	40°	18218.2	14172.2	4691.7	4249.8	4375.1	4400.2	4303.0	4356.3	4403.3	4184.0
22872.3	42.5°	19826.0	14921.2	4431.5	4168.3	4249.8	4190.2	4039.8	4099.3	4093.1	3804.7
25006.6	45°	21465.1	15736.1	4340.7	4108.7	4133.8	4014.7	3848.6	3864.3	3732.7	3472.5
27053.1	47.5°	23094.8	16610.5	4397.1	4058.6	3989.6	3854.9	3726.4	3657.4	3463.1	3268.8
29015.0	50°	24693.2	17528.7	4603.9	3958.3	3792.2	3713.8	3619.8	3497.6	3290.8	3124.6
30870.4	52.5°	26175.6	18453.3	4835.8	3792.2	3544.6	3591.6	3532.1	3391.0	3187.3	3018.1
32625.4	55°	27579.6	19377.8	4926.7	3563.4	3312.7	3485.1	3450.6	3190.5	2946.0	2808.1
34462.0	57.5°	29109.0	20490.4	4826.4	3271.9	3124.6	3362.8	3231.2	2942.9	2801.8	2698.4
36853.3	60°	31227.7	22236.1	4610.2	2911.5	2946.0	3181.1	2955.4	2836.3	2682.7	2566.8
40438.6	62.5°	34747.2	25492.3	4262.3	2554.2	2736.0	2911.5	2823.8	2704.7	2548.0	2435.2
46568.8	65°	39949.7	30017.9	3607.3	2275.3	2501.0	2648.3	2682.7	2563.7	2400.7	2281.6
51940.6	67.5°	44337.4	32857.4	2729.8	2043.4	2259.6	2435.2	2532.3	2416.4	2244.0	2128.0
53197.3	70°	44096.1	30795.2	2084.1	1814.6	2046.5	2225.2	2350.5	2259.6	2074.7	1965.0
48320.8	72.5°	39166.2	25761.9	1686.1	1582.7	1830.3	2005.8	2156.2	2087.3	1899.2	1792.7
35399.1	75°	28773.7	18287.2	1347.6	1347.6	1560.8	1777.0	1943.1	1899.2	1726.9	1651.6
14861.7	77.5°	12128.8	7672.1	1056.2	1118.9	1297.5	1526.3	1733.1	1748.8	1598.4	1692.4
3930.1	80°	3224.9	2115.5	805.5	880.7	1018.6	1259.9	1507.5	1501.2	1338.2	1250.5
1460.5	82.5°	1228.5	833.7	573.5	620.5	736.5	965.3	1194.1	1231.7	1068.7	924.5
573.5	85°	473.2	357.3	354.1	373.0	429.4	639.3	902.6	933.9	805.5	683.2
159.8	87.5°	122.2	106.6	131.6	125.4	197.4	341.6	517.1	535.9	492.0	285.2
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°
8659.4
8261.4
7656.5
7104.9
6772.7
6678.7
6753.9
6860.4
6860.4
6703.7
6412.3
6029.9
5588.0
5099.1
4669.7
4475.4
4190.2
3801.6
3481.9
3268.8
3112.1
3021.2
2795.6
2689.0
2560.5
2435.2
2287.9
2131.2
1974.5
1792.7
1629.7
1535.7
1162.7
924.5
705.2
407.4
0.0

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