

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: P849628

Luminaire Tested: **GLAN-SB6D-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849628
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-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59649 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

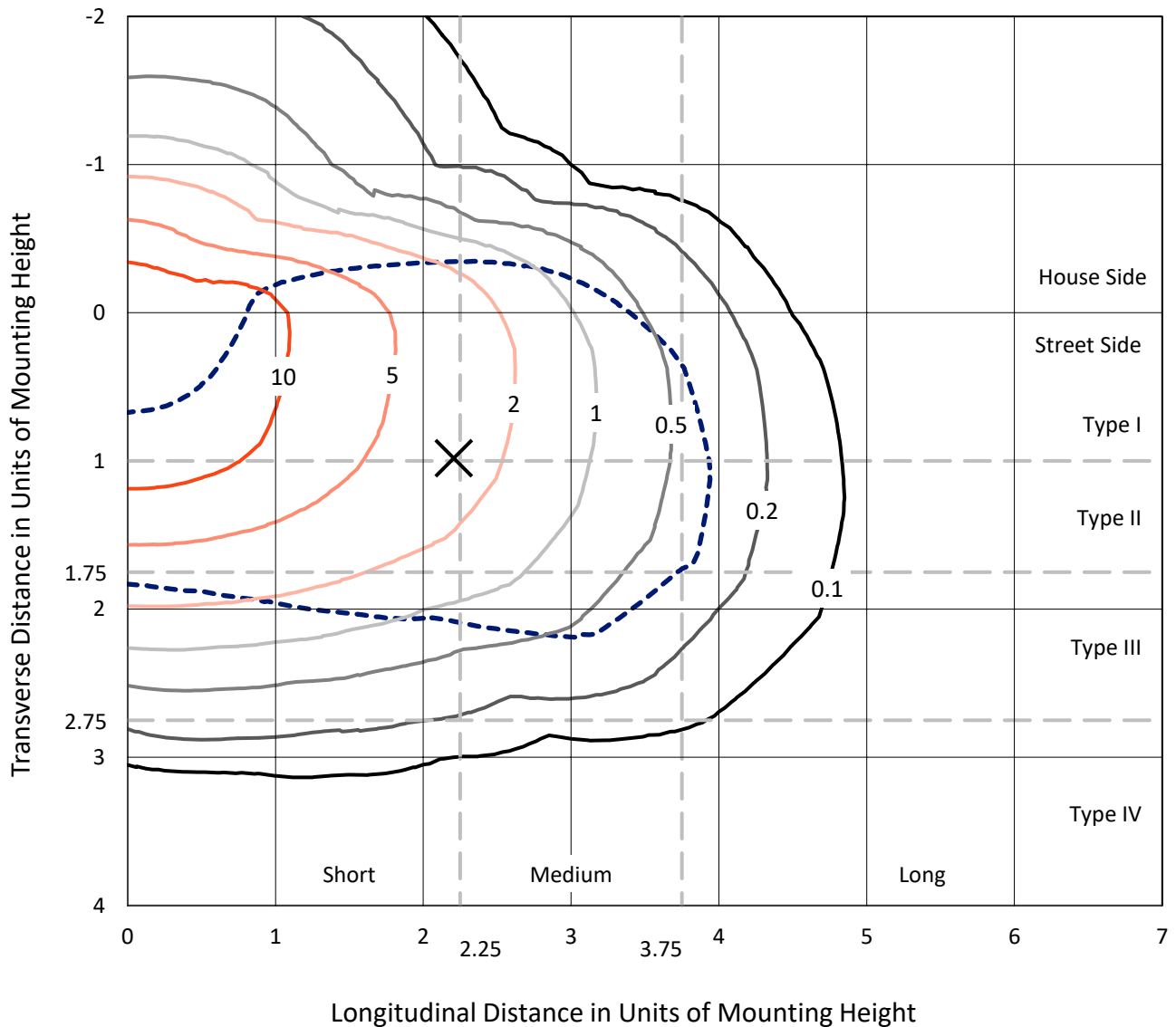
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

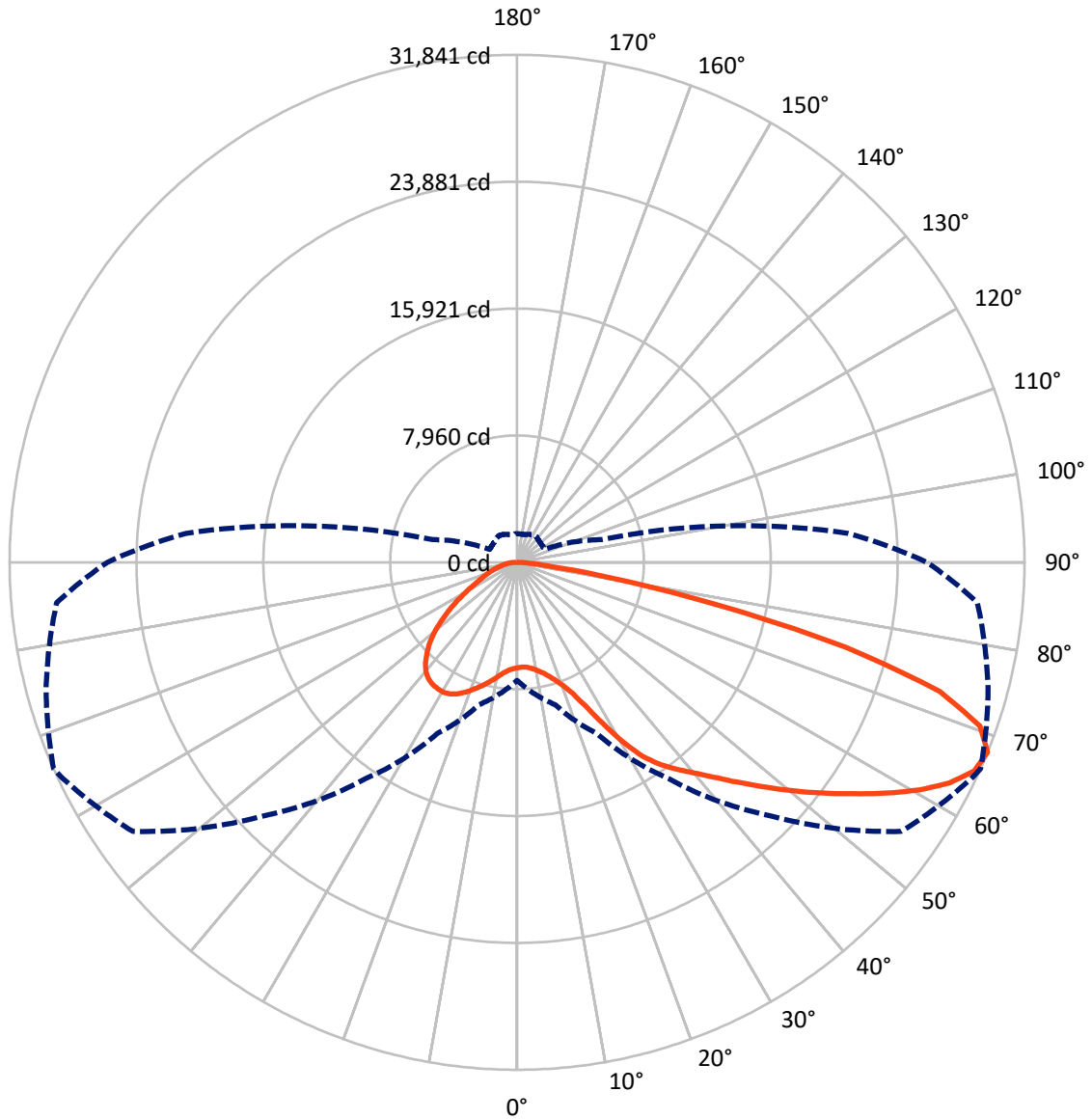
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 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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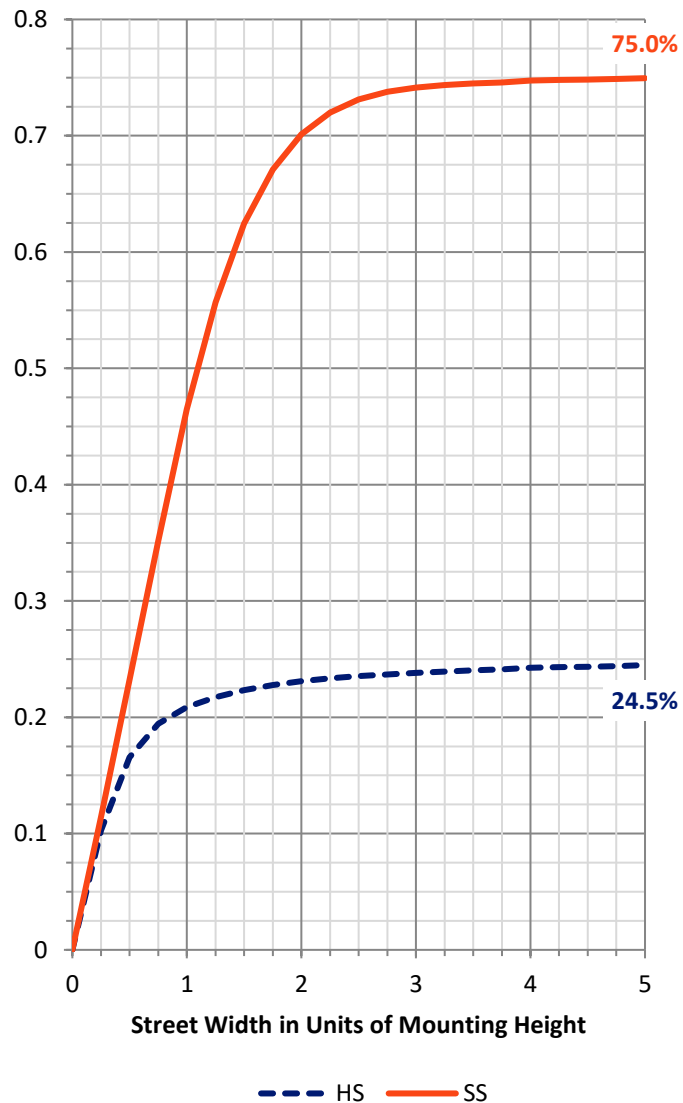
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14831.6	0.0	14831.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	44817.4	0.0	44817.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	59649.0	0.0	59649.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.9	1.1
10°-20°	2167.1	3.6
20°-30°	4177.0	7.0
30°-40°	7323.9	12.3
40°-50°	10888.2	18.3
50°-60°	13801.8	23.1
60°-70°	13504.7	22.6
70°-80°	6441.9	10.8
80°-90°	688.5	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°	59649.0	100.0
0°-180°	59649.0	100.0

Coefficient of Utilization

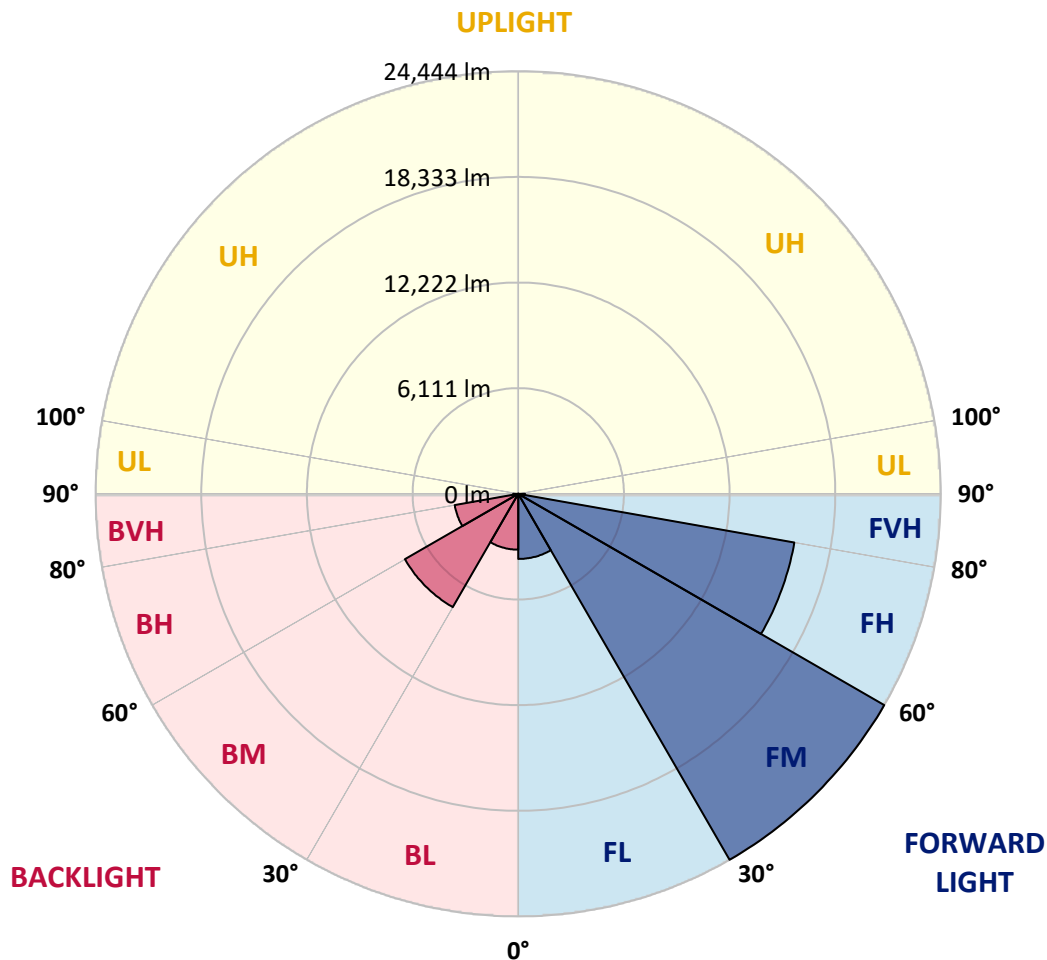


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3769.2	6.3			
FM (30°-60°)	24443.7	41.0			
FH (60°-80°)	16214.2	27.2			G5
FVH (80°-90°)	390.3	0.7			G3/500
BL (0°-30°)	3230.8	5.4	B4/5000		
BM (30°-60°)	7570.2	12.7	B4/8500		
BH (60°-80°)	3732.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	298.1	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°	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9
2.5°	6546.9	6584.5	6575.1	6559.5	6556.3	6562.6	6572.0	6581.4	6578.3	6593.9
5°	6528.1	6565.7	6562.6	6562.6	6575.1	6600.2	6615.9	6631.5	6615.9	6634.7
7.5°	6540.6	6568.9	6581.4	6593.9	6625.3	6672.3	6709.9	6744.4	6725.6	6747.5
10°	6700.5	6722.4	6735.0	6735.0	6756.9	6810.2	6847.8	6910.5	6894.8	6929.3
12.5°	6991.9	7013.9	7013.9	7001.3	7017.0	7051.5	7064.0	7133.0	7104.8	7161.2
15°	7349.2	7393.1	7358.6	7336.7	7342.9	7377.4	7374.3	7427.6	7399.4	7446.4
17.5°	7744.1	7800.5	7744.1	7741.0	7728.4	7766.0	7769.2	7816.2	7766.0	7800.5
20°	8211.1	8289.4	8242.4	8258.1	8229.9	8245.5	8261.2	8330.2	8251.8	8276.9
22.5°	8869.2	8963.2	8913.1	8972.6	8953.8	8941.3	8938.2	9060.4	8938.2	8947.6
25°	9828.2	9941.0	9853.3	9934.8	9934.8	9975.5	10022.5	10179.2	9975.5	9916.0
27.5°	11244.8	11357.6	11185.2	11235.4	11219.7	11320.0	11269.8	11658.5	11439.1	11341.9
30°	12949.7	13150.2	12824.3	12811.8	12796.1	12955.9	13028.0	13285.0	13062.5	12965.3
32.5°	14792.5	15002.4	14613.8	14501.0	14441.4	14538.6	14479.1	14685.9	14532.3	14381.9
35°	16741.8	16948.6	16578.8	16359.5	16121.3	15917.6	15704.4	15757.7	15613.6	15384.8
37.5°	18584.6	18963.8	18572.1	18337.0	17898.2	17500.2	16904.8	16657.2	16522.4	16312.4
40°	20461.9	20678.1	20380.4	20179.8	19703.4	19079.8	18127.0	17603.6	17421.9	17218.2
42.5°	21843.9	22050.8	21891.0	21753.1	21380.1	20656.2	19424.5	18769.5	18506.2	18277.5
45°	22940.8	23094.4	22994.1	23044.3	22884.4	22182.4	20769.0	20020.0	19747.3	19468.4
47.5°	23382.7	23545.7	23705.5	24003.3	24275.9	23758.8	22213.8	21373.8	21085.5	20800.3
50°	23332.6	23498.7	23962.5	24595.6	25441.8	25269.4	23736.9	22815.5	22549.1	22223.2
52.5°	22931.4	23119.5	23714.9	24768.0	26115.6	26400.8	25288.2	24304.1	24053.4	23664.8
55°	21878.4	21991.2	22884.4	24376.2	26275.4	27190.5	26808.2	25889.9	25639.2	25097.0
57.5°	19925.9	20088.9	21389.5	23320.1	25874.3	27726.4	28143.3	27557.2	27315.9	26535.5
60°	17378.0	17638.1	19126.8	21546.2	24852.6	27723.3	29356.1	29196.3	28995.7	27952.1
62.5°	14494.7	14795.6	16227.8	19039.0	23066.2	26936.7	30114.6	30569.0	30465.6	29259.0
65°	11131.9	11338.8	12764.8	15795.3	20286.3	25247.5	30202.3	31506.0	31524.9	30252.4
67.5°	7411.9	8007.4	9245.3	11852.8	16563.2	22486.4	29431.3	31659.6	31841.4	30594.1
70°	3616.6	4400.1	5613.0	7703.4	11852.8	18252.4	27416.2	30399.7	30804.0	29597.4
72.5°	1501.2	1755.0	2416.3	3801.5	6803.9	12316.6	23367.1	26983.7	27732.7	26225.3
75°	1012.3	1096.9	1382.1	1949.3	3099.5	6073.7	16851.5	20120.2	21326.8	19806.8
77.5°	780.4	833.6	1006.0	1363.3	1842.8	2297.2	9019.6	12125.4	12749.1	11802.6
80°	614.3	655.0	752.2	993.5	1306.9	1228.5	3074.4	5493.9	5854.3	4911.0
82.5°	532.8	548.4	539.0	673.8	868.1	717.7	1009.1	2027.7	2237.7	1623.4
85°	385.5	429.4	448.2	416.8	460.7	363.5	413.7	717.7	789.8	705.1
87.5°	156.7	231.9	285.2	269.5	169.2	103.4	128.5	210.0	241.3	263.3
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°
6615.9	0°	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9	6615.9
6619.0	2.5°	6622.1	6644.1	6659.7	6678.5	6691.1	6709.9	6747.5	6769.4	6772.6	6788.2
6669.1	5°	6681.7	6713.0	6747.5	6797.6	6854.0	6901.1	6973.1	7023.3	7042.1	7057.8
6791.4	7.5°	6810.2	6854.0	6916.7	7004.5	7086.0	7148.6	7236.4	7295.9	7355.5	7377.4
6985.7	10°	7001.3	7064.0	7154.9	7274.0	7361.8	7443.2	7534.1	7584.3	7643.8	7668.9
7217.6	12.5°	7239.5	7305.3	7424.4	7590.5	7672.0	7728.4	7759.8	7747.2	7759.8	7781.7
7496.5	15°	7512.2	7584.3	7719.0	7897.7	7954.1	7903.9	7835.0	7772.3	7762.9	7769.2
7835.0	17.5°	7835.0	7888.3	8045.0	8195.4	8154.7	7947.8	7797.4	7697.1	7646.9	7631.3
8267.5	20°	8286.3	8286.3	8414.8	8508.8	8236.1	7885.1	7650.1	7487.1	7383.7	7339.8
8856.7	22.5°	8834.7	8784.6	8866.1	8800.3	8220.5	7709.6	7383.7	7101.6	6944.9	6882.3
9680.9	25°	9530.5	9470.9	9449.0	9041.6	8107.6	7430.7	6901.1	6559.5	6421.6	6387.1
10868.7	27.5°	10580.4	10429.9	10144.7	9173.2	7900.8	6991.9	6336.9	6020.4	5942.1	5945.2
12394.9	30°	11978.1	11677.3	10978.4	9195.1	7562.3	6371.4	5760.3	5534.6	5497.0	5512.7
13676.8	32.5°	13272.5	12987.3	11830.8	9094.9	7042.1	5763.4	5243.2	5092.7	5036.3	5055.1
14654.6	35°	14287.9	14209.5	12620.6	8953.8	6402.8	5193.0	4779.3	4650.8	4541.2	4516.1
15576.0	37.5°	15246.9	15215.5	13212.9	8756.4	5769.7	4788.7	4406.4	4237.2	4077.3	3989.6
16594.5	40°	16299.9	16268.6	13601.5	8452.4	5208.7	4437.7	4071.1	3848.5	3651.1	3491.3
17747.8	42.5°	17484.6	17299.6	13786.4	8016.8	4732.3	4140.0	3798.4	3497.5	3237.4	3090.1
19051.6	45°	18778.9	18362.1	13783.3	7462.0	4331.2	3867.3	3506.9	3080.7	2839.4	2701.5
20389.8	47.5°	20151.6	19377.5	13614.1	6847.8	3942.6	3566.5	3055.6	2729.7	2569.9	2485.3
21843.9	50°	21568.2	20327.1	13325.7	6142.6	3544.5	3224.9	2773.6	2551.1	2428.8	2350.5
23285.6	52.5°	22900.1	21188.9	12977.9	5343.5	3140.3	2892.7	2648.2	2475.9	2347.4	2259.6
24683.3	55°	24138.0	21931.7	12485.8	4525.5	2811.2	2670.2	2588.7	2444.5	2297.2	2193.8
26103.0	57.5°	25238.1	22414.3	11636.5	3757.7	2576.1	2516.6	2526.0	2391.2	2222.0	2134.3
27500.8	60°	26153.2	22768.5	10379.8	3046.2	2385.0	2366.2	2428.8	2290.9	2093.5	1993.2
28682.3	62.5°	26701.6	22762.2	8837.9	2494.7	2222.0	2228.3	2300.4	2165.6	1965.0	1871.0
29299.7	65°	26654.6	22204.4	7145.5	2134.3	2065.3	2071.6	2165.6	2027.7	1858.5	1802.0
28989.4	67.5°	25711.3	20844.2	5481.4	1899.2	1892.9	1921.1	2030.8	1933.7	1792.6	1786.4
27140.4	70°	23157.1	18020.5	3948.8	1711.2	1714.3	1755.0	1899.2	1874.1	1758.2	1770.7
22818.6	72.5°	18568.9	13739.4	2651.4	1513.7	1516.9	1582.7	1773.8	1827.1	1723.7	1889.8
16190.2	75°	12366.7	8568.3	1704.9	1303.7	1306.9	1391.5	1664.2	1736.2	1629.7	1883.5
8424.2	77.5°	5942.1	3851.7	1234.8	1096.9	1096.9	1175.2	1438.5	1554.5	1388.4	1463.6
2707.8	80°	2052.8	1447.9	971.5	883.8	865.0	918.3	1212.9	1347.6	1197.2	1103.2
883.8	82.5°	808.6	752.2	780.4	686.3	623.7	658.1	943.3	1112.6	880.7	796.0
498.3	85°	463.8	488.9	551.6	454.4	360.4	404.3	692.6	799.2	664.4	586.1
163.0	87.5°	125.4	172.4	253.9	235.0	163.0	172.4	329.1	441.9	382.3	294.6
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°
6615.9
6785.1
7054.6
7380.6
7681.4
7788.0
7791.1
7653.2
7330.4
6872.8
6393.3
5954.6
5566.0
5080.2
4534.9
3992.7
3506.9
3099.5
2695.2
2466.5
2322.3
2222.0
2153.1
2077.8
1949.3
1842.8
1798.9
1795.8
1767.6
1914.9
1899.2
1341.3
1034.2
792.9
598.6
304.0
0.0

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