

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: P849718

Luminaire Tested: **GLAN-SB6D-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849718
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-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53021 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

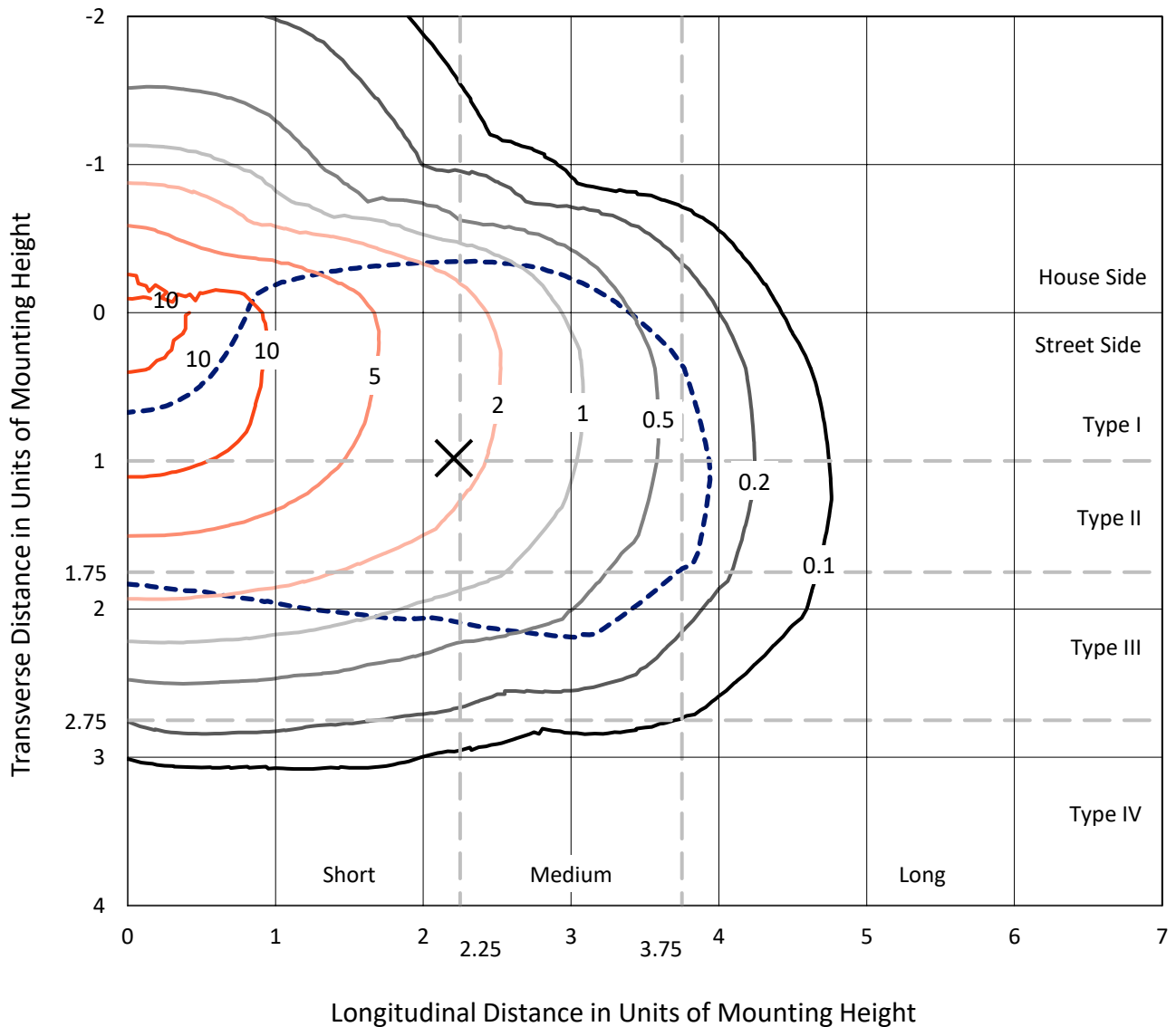
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

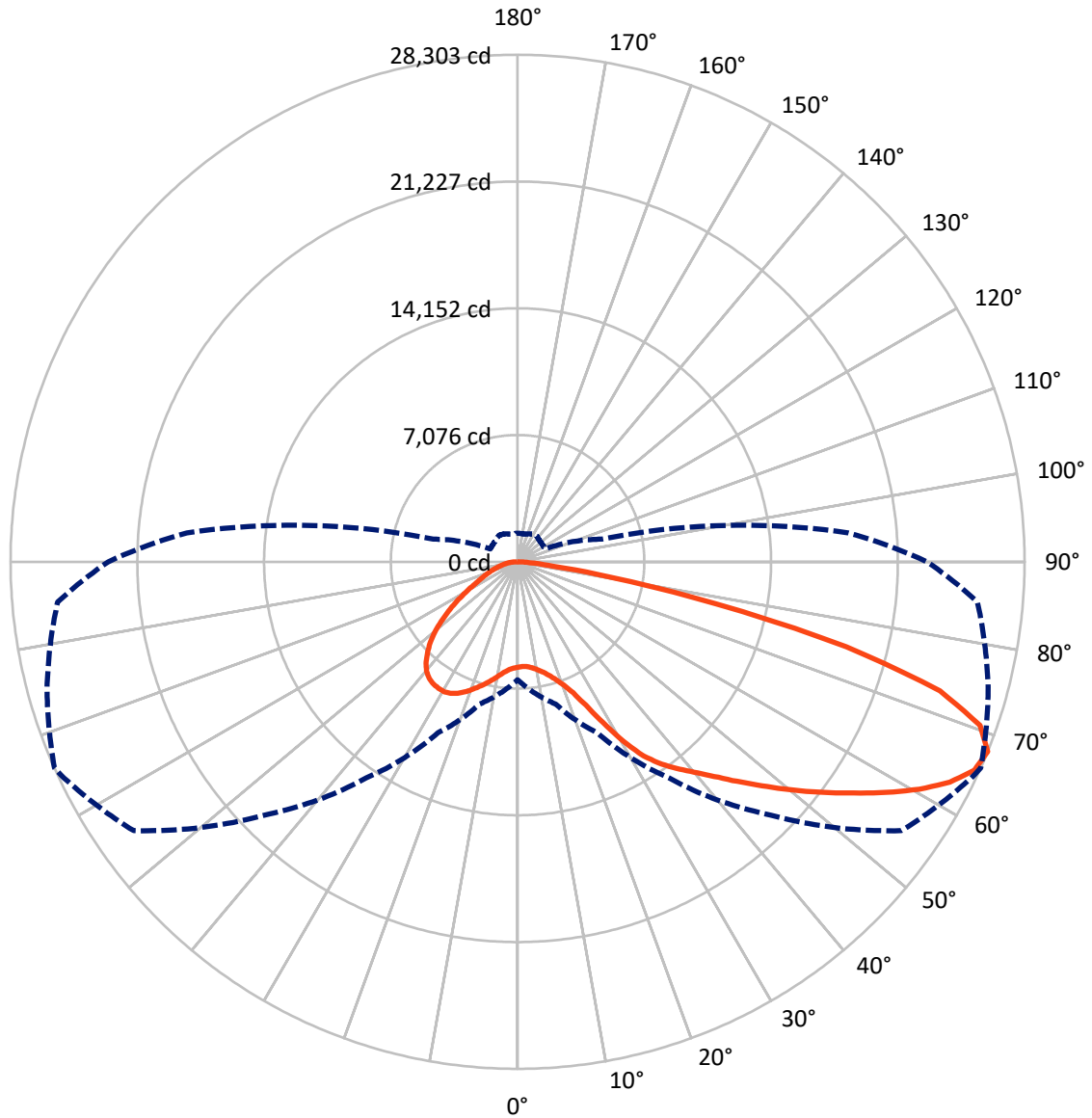
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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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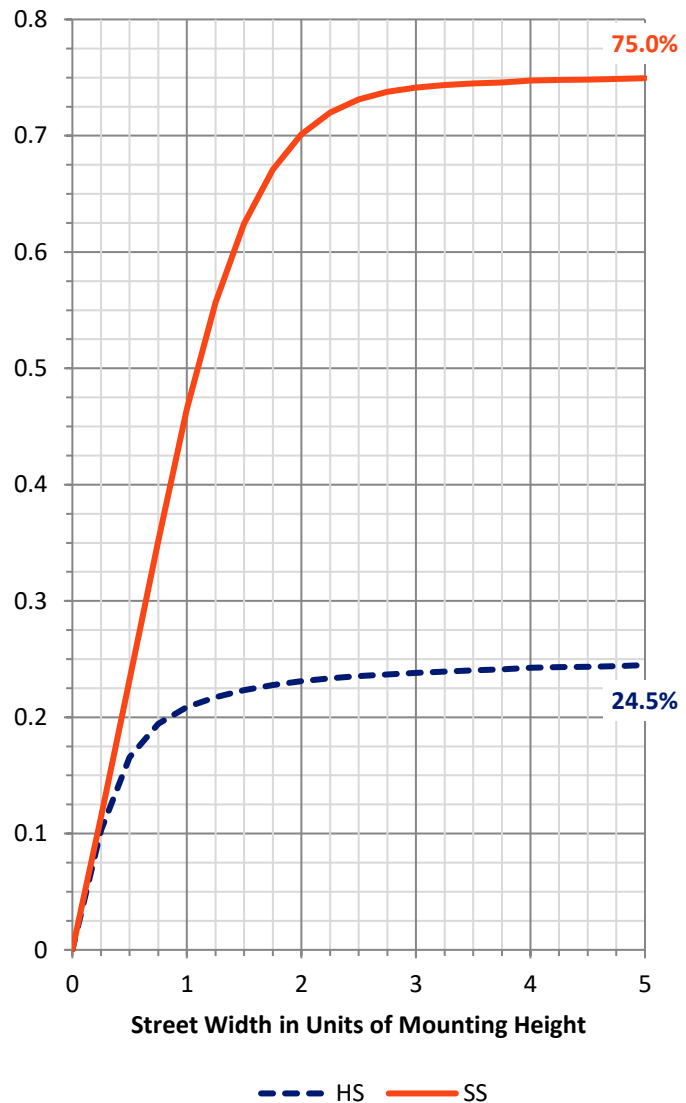
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13183.5	0.0	13183.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	39837.5	0.0	39837.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	53021.0	0.0	53021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.0	1.1
10°-20°	1926.3	3.6
20°-30°	3712.9	7.0
30°-40°	6510.1	12.3
40°-50°	9678.3	18.3
50°-60°	12268.2	23.1
60°-70°	12004.1	22.6
70°-80°	5726.1	10.8
80°-90°	612.0	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°	53021.0	100.0
0°-180°	53021.0	100.0

Coefficient of Utilization



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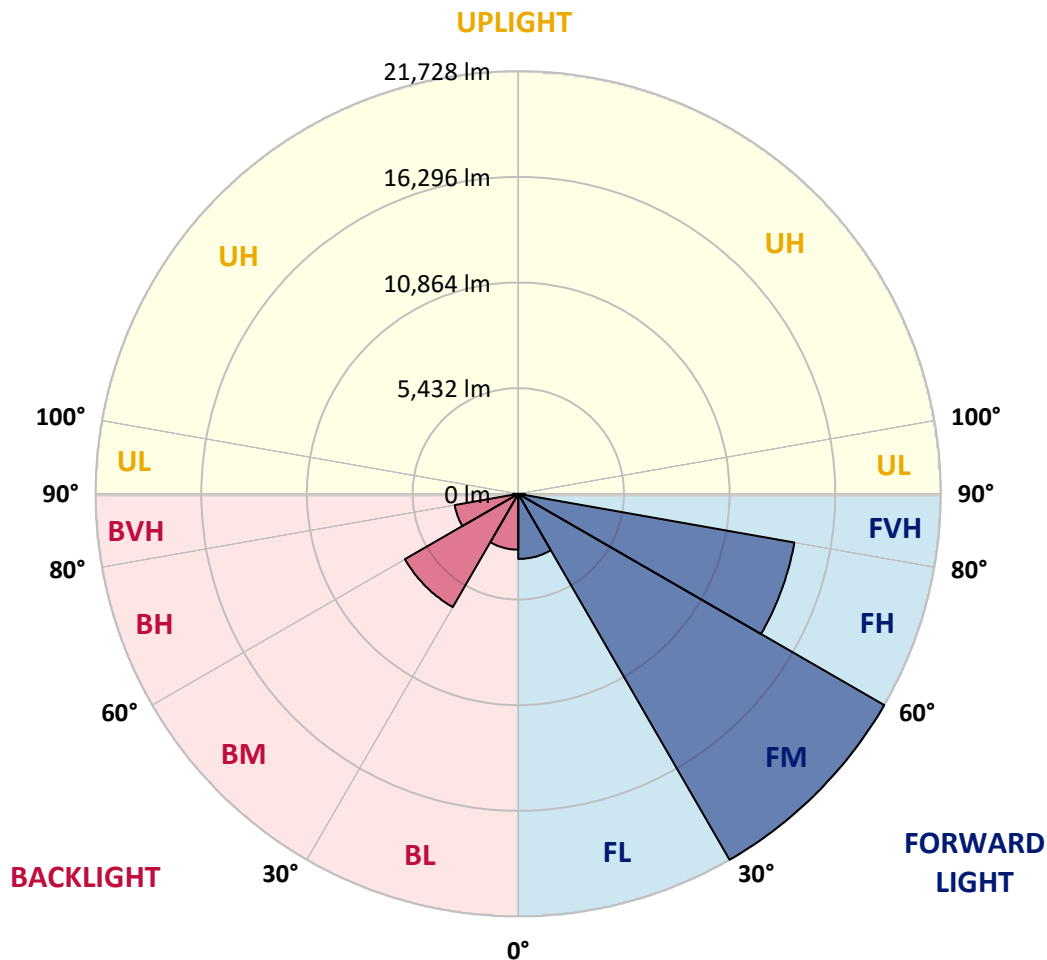
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3350.4	6.3			
FM (30°-60°)	21727.6	41.0			
FH (60°-80°)	14412.6	27.2			G5
FVH (80°-90°)	347.0	0.7			G3/500
BL (0°-30°)	2871.8	5.4	B4/5000		
BM (30°-60°)	6729.0	12.7	B4/8500		
BH (60°-80°)	3317.7	6.3	B4/5000		G4/5000
BVH (80°-90°)	265.0	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°	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7
2.5°	5819.4	5852.9	5844.5	5830.6	5827.8	5833.4	5841.7	5850.1	5847.3	5861.2
5°	5802.7	5836.2	5833.4	5833.4	5844.5	5866.8	5880.7	5894.7	5880.7	5897.4
7.5°	5813.9	5838.9	5850.1	5861.2	5889.1	5930.9	5964.3	5994.9	5978.2	5997.7
10°	5955.9	5975.4	5986.6	5986.6	6006.1	6053.4	6086.9	6142.6	6128.7	6159.3
12.5°	6215.0	6234.5	6234.5	6223.4	6237.3	6267.9	6279.1	6340.4	6315.3	6365.5
15°	6532.6	6571.6	6541.0	6521.5	6527.0	6557.7	6554.9	6602.2	6577.2	6619.0
17.5°	6883.6	6933.7	6883.6	6880.8	6869.7	6903.1	6905.9	6947.7	6903.1	6933.7
20°	7298.7	7368.3	7326.5	7340.5	7315.4	7329.3	7343.3	7404.5	7334.9	7357.2
22.5°	7883.7	7967.3	7922.7	7975.6	7958.9	7947.8	7945.0	8053.6	7945.0	7953.3
25°	8736.1	8836.4	8758.4	8830.8	8830.8	8867.1	8908.8	9048.1	8867.1	8814.1
27.5°	9995.3	10095.6	9942.4	9986.9	9973.0	10062.1	10017.6	10363.0	10168.0	10081.6
30°	11510.7	11689.0	11399.3	11388.2	11374.2	11516.3	11580.4	11808.8	11611.0	11524.7
32.5°	13148.8	13335.4	12990.0	12889.7	12836.8	12923.1	12870.2	13054.0	12917.5	12783.8
35°	14881.5	15065.4	14736.6	14541.6	14329.9	14148.9	13959.4	14006.8	13878.6	13675.3
37.5°	16519.5	16856.6	16508.4	16299.5	15909.4	15555.7	15026.4	14806.3	14686.5	14499.9
40°	18188.2	18380.4	18115.8	17937.5	17514.0	16959.7	16112.8	15647.6	15486.0	15304.9
42.5°	19416.7	19600.6	19458.5	19335.9	19004.4	18360.9	17266.1	16683.9	16449.9	16246.5
45°	20391.7	20528.2	20439.1	20483.7	20341.6	19717.6	18461.2	17795.4	17553.0	17305.1
47.5°	20784.5	20929.4	21071.5	21336.1	21578.5	21118.8	19745.4	18998.9	18742.6	18489.1
50°	20739.9	20887.6	21299.9	21862.6	22614.8	22461.5	21099.3	20280.3	20043.5	19753.8
52.5°	20383.4	20550.5	21079.8	22015.8	23213.7	23467.2	22478.3	21603.5	21380.7	21035.2
55°	19447.4	19547.6	20341.6	21667.6	23355.8	24169.2	23829.4	23013.1	22790.3	22308.3
57.5°	17711.8	17856.7	19012.8	20728.8	22999.2	24645.6	25016.1	24495.1	24280.6	23587.0
60°	15447.0	15678.2	17001.5	19152.1	22091.0	24642.8	26094.2	25952.1	25773.8	24846.2
62.5°	12884.1	13151.6	14424.6	16923.5	20503.2	23943.6	26768.3	27172.3	27080.3	26007.8
65°	9895.0	10078.9	11346.4	14040.2	18032.2	22442.0	26846.3	28005.2	28021.9	26890.9
67.5°	6588.3	7117.6	8218.0	10535.7	14722.7	19987.8	26161.0	28141.7	28303.3	27194.5
70°	3214.8	3911.2	4989.3	6847.4	10535.7	16224.2	24369.8	27021.8	27381.2	26308.7
72.5°	1334.4	1560.0	2147.8	3379.1	6047.9	10948.0	20770.6	23985.4	24651.1	23311.2
75°	899.8	975.0	1228.5	1732.7	2755.1	5398.8	14979.0	17884.5	18957.1	17606.0
77.5°	693.7	741.0	894.2	1211.8	1638.0	2042.0	8017.4	10778.1	11332.5	10491.2
80°	546.0	582.2	668.6	883.1	1161.7	1092.0	2732.8	4883.4	5203.8	4365.3
82.5°	473.6	487.5	479.1	598.9	771.7	637.9	897.0	1802.4	1989.0	1443.0
85°	342.6	381.6	398.4	370.5	409.5	323.1	367.7	637.9	702.0	626.8
87.5°	139.3	206.1	253.5	239.6	150.4	91.9	114.2	186.6	214.5	234.0
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°
5880.7	0°	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7	5880.7
5883.5	2.5°	5886.3	5905.8	5919.7	5936.4	5947.6	5964.3	5997.7	6017.2	6020.0	6033.9
5928.1	5°	5939.2	5967.1	5997.7	6042.3	6092.4	6134.2	6198.3	6242.9	6259.6	6273.5
6036.7	7.5°	6053.4	6092.4	6148.2	6226.2	6298.6	6354.3	6432.3	6485.2	6538.2	6557.7
6209.4	10°	6223.4	6279.1	6359.9	6465.7	6543.7	6616.2	6697.0	6741.5	6794.5	6816.7
6415.6	12.5°	6435.1	6493.6	6599.5	6747.1	6819.5	6869.7	6897.5	6886.4	6897.5	6917.0
6663.5	15°	6677.5	6741.5	6861.3	7020.1	7070.2	7025.7	6964.4	6908.7	6900.3	6905.9
6964.4	17.5°	6964.4	7011.7	7151.0	7284.8	7248.5	7064.7	6931.0	6841.8	6797.2	6783.3
7348.8	20°	7365.5	7365.5	7479.8	7563.3	7321.0	7009.0	6800.0	6655.2	6563.2	6524.2
7872.5	22.5°	7853.0	7808.5	7880.9	7822.4	7307.0	6853.0	6563.2	6312.5	6173.2	6117.5
8605.2	25°	8471.5	8418.6	8399.1	8036.9	7206.7	6605.0	6134.2	5830.6	5708.0	5677.4
9661.0	27.5°	9404.7	9271.0	9017.5	8153.9	7022.9	6215.0	5632.8	5351.4	5281.8	5284.6
11017.7	30°	10647.2	10379.7	9758.5	8173.4	6722.0	5663.4	5120.2	4919.6	4886.2	4900.1
12157.0	32.5°	11797.7	11544.2	10516.2	8084.3	6259.6	5123.0	4660.6	4526.9	4476.7	4493.4
13026.2	35°	12700.3	12630.6	11218.2	7958.9	5691.3	4616.0	4248.3	4134.1	4036.6	4014.3
13845.2	37.5°	13552.7	13524.8	11744.7	7783.4	5128.6	4256.6	3916.8	3766.3	3624.3	3546.3
14750.6	40°	14488.7	14460.9	12090.2	7513.2	4629.9	3944.6	3618.7	3420.9	3245.4	3103.3
15775.7	42.5°	15541.7	15377.4	12254.5	7126.0	4206.5	3680.0	3376.3	3108.9	2877.7	2746.8
16934.6	45°	16692.2	16321.7	12251.8	6632.9	3849.9	3437.6	3117.3	2738.4	2523.9	2401.3
18124.1	47.5°	17912.4	17224.3	12101.3	6086.9	3504.5	3170.2	2716.1	2426.4	2284.3	2209.1
19416.7	50°	19171.6	18068.4	11845.0	5460.1	3150.7	2866.5	2465.4	2267.6	2159.0	2089.3
20698.2	52.5°	20355.5	18834.5	11535.8	4749.7	2791.3	2571.3	2354.0	2200.7	2086.5	2008.5
21940.6	55°	21455.9	19494.7	11098.4	4022.6	2498.8	2373.5	2301.0	2172.9	2042.0	1950.0
23202.6	57.5°	22433.7	19923.7	10343.5	3340.1	2289.9	2237.0	2245.3	2125.5	1975.1	1897.1
24445.0	60°	23247.1	20238.5	9226.4	2707.8	2120.0	2103.2	2159.0	2036.4	1860.9	1771.7
25495.2	62.5°	23734.6	20232.9	7855.8	2217.5	1975.1	1980.7	2044.7	1925.0	1746.7	1663.1
26044.0	65°	23692.8	19737.1	6351.5	1897.1	1835.8	1841.4	1925.0	1802.4	1652.0	1601.8
25768.2	67.5°	22854.3	18528.1	4872.3	1688.2	1682.6	1707.7	1805.2	1718.8	1593.5	1587.9
24124.6	70°	20583.9	16018.1	3510.1	1521.0	1523.8	1560.0	1688.2	1665.9	1562.8	1574.0
20283.1	72.5°	16505.6	12212.8	2356.7	1345.5	1348.3	1406.8	1576.7	1624.1	1532.2	1679.8
14391.2	75°	10992.6	7616.3	1515.5	1158.9	1161.7	1236.9	1479.2	1543.3	1448.6	1674.2
7488.1	77.5°	5281.8	3423.7	1097.6	975.0	975.0	1044.7	1278.7	1381.7	1234.1	1300.9
2406.9	80°	1824.7	1287.0	863.6	785.6	768.9	816.2	1078.1	1197.9	1064.2	980.6
785.6	82.5°	718.7	668.6	693.7	610.1	554.4	585.0	838.5	988.9	782.8	707.6
442.9	85°	412.3	434.6	490.3	403.9	320.4	359.4	615.7	710.4	590.6	520.9
144.9	87.5°	111.4	153.2	225.6	208.9	144.9	153.2	292.5	392.8	339.9	261.9
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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<u>180°</u>
5880.7
6031.2
6270.7
6560.5
6827.9
6922.6
6925.4
6802.8
6515.9
6109.2
5682.9
5292.9
4947.5
4515.7
4031.0
3549.1
3117.3
2755.1
2395.7
2192.4
2064.2
1975.1
1913.8
1847.0
1732.7
1638.0
1599.0
1596.2
1571.2
1702.1
1688.2
1192.3
919.3
704.8
532.1
270.2
0.0

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