

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: P850826

Luminaire Tested: **GLAN-SB8C-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850826
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-SB8C-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58882 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

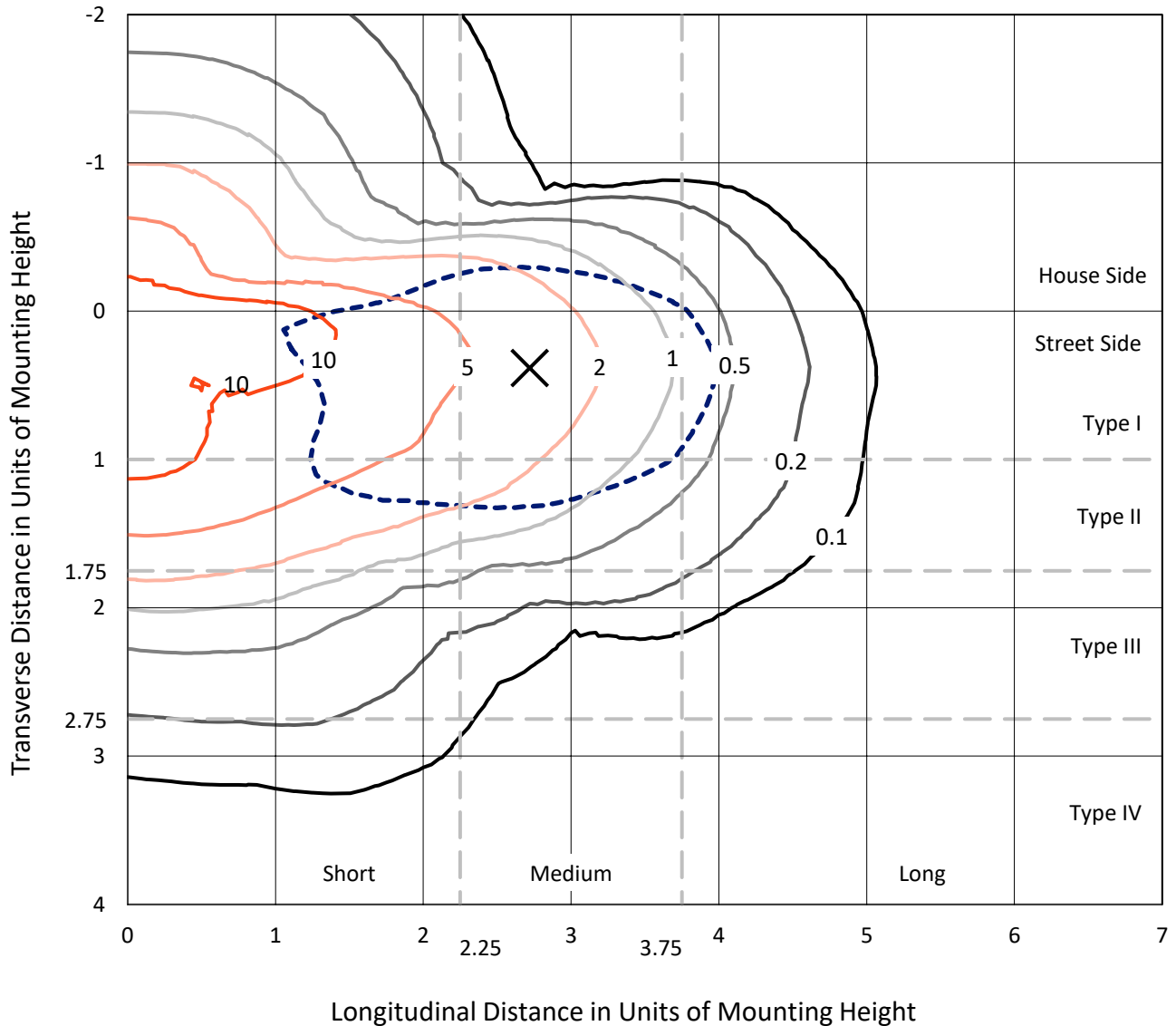
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

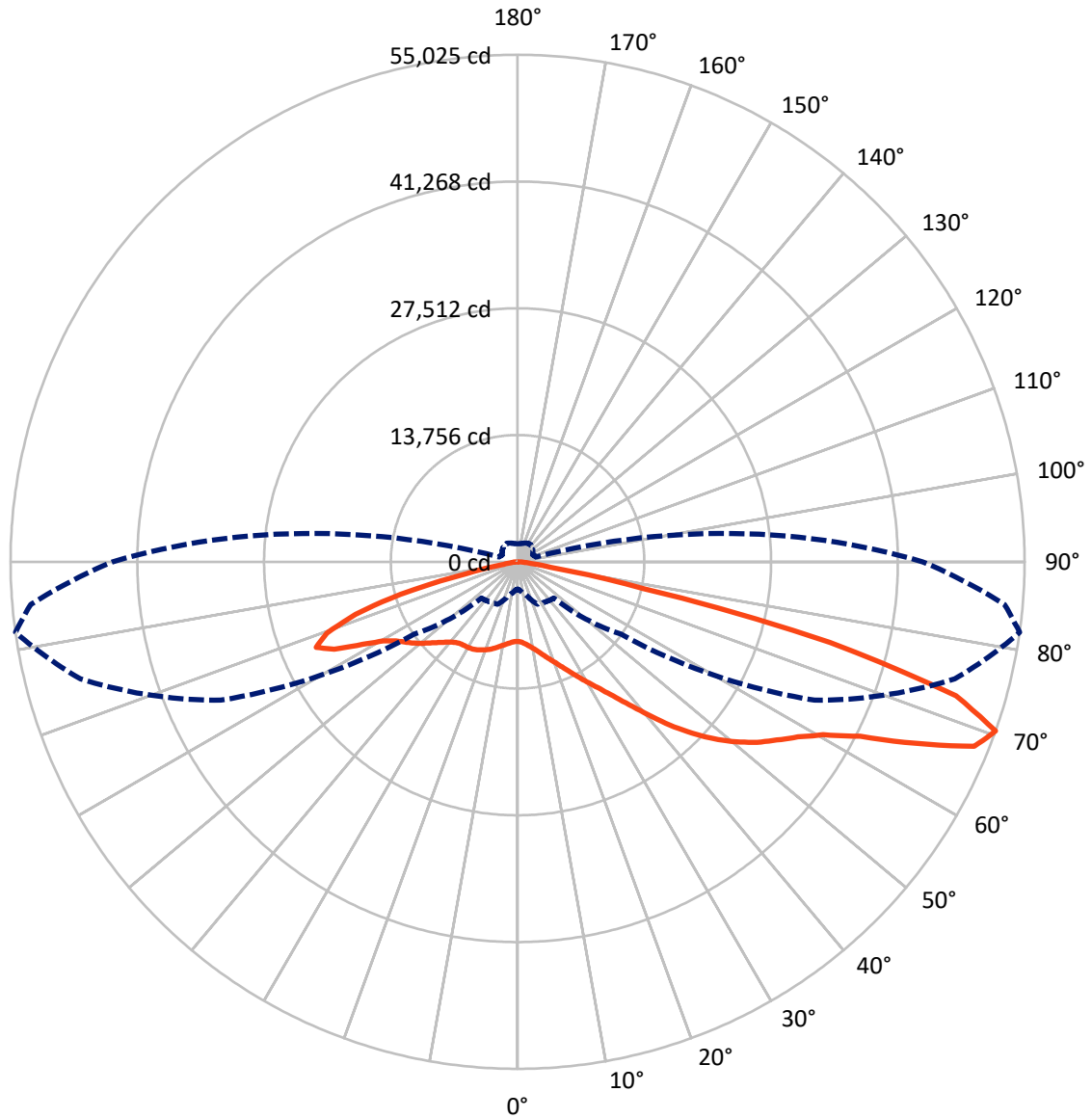
× Max cd
 - - - 1/2 Max cd



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	14515.9	0.0	14515.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	44366.1	0.0	44366.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	58882.0	0.0	58882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	815.1	1.4
10°-20°	2341.8	4.0
20°-30°	3917.6	6.7
30°-40°	6120.3	10.4
40°-50°	9747.3	16.6
50°-60°	13564.6	23.0
60°-70°	14189.2	24.1
70°-80°	7416.0	12.6
80°-90°	770.1	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°	58882.0	100.0
0°-180°	58882.0	100.0

Coefficient of Utilization

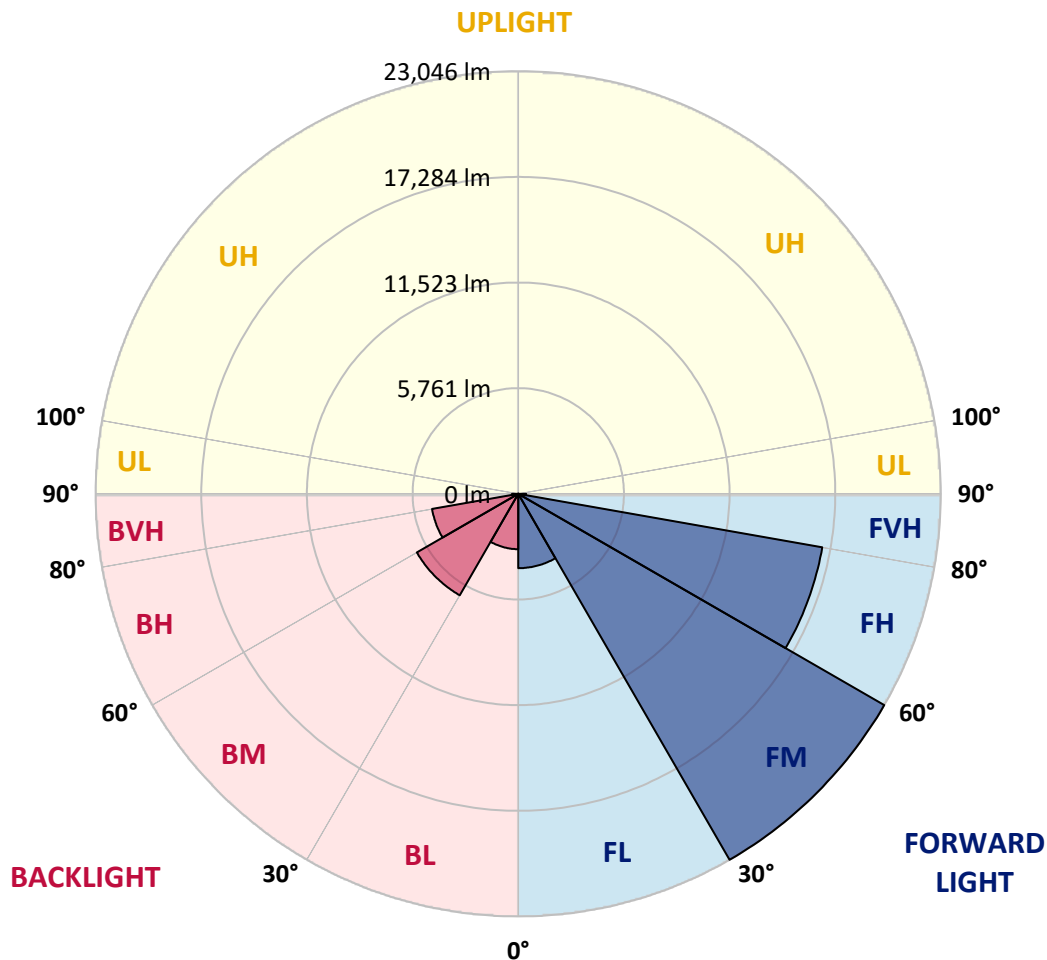


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4054.7	6.9			
FM (30°-60°)	23045.8	39.1			
FH (60°-80°)	16834.6	28.6			G5
FVH (80°-90°)	431.1	0.7			G3/500
BL (0°-30°)	3019.8	5.1	B4/5000		
BM (30°-60°)	6386.4	10.8	B4/8500		
BH (60°-80°)	4770.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	339.0	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°	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8
2.5°	8839.1	8889.0	8873.4	8857.8	8857.8	8835.9	8832.8	8801.6	8776.6	8735.9
5°	8951.5	9004.6	8998.4	9010.9	9051.5	9060.9	9070.3	9051.5	9001.5	8951.5
7.5°	8851.5	8910.9	8929.7	9004.6	9129.6	9242.1	9326.5	9360.8	9314.0	9242.1
10°	8514.1	8579.7	8645.3	8823.4	9045.3	9310.8	9535.8	9670.2	9660.8	9592.0
12.5°	7829.9	7898.6	8039.2	8386.0	8792.2	9260.9	9679.5	9960.7	10057.6	10007.6
15°	7283.1	7342.4	7448.7	7804.9	8332.9	9045.3	9732.6	10279.4	10526.3	10498.1
17.5°	7267.5	7292.5	7358.1	7526.8	7933.0	8707.8	9676.4	10591.9	11063.7	11060.5
20°	7542.4	7551.8	7589.3	7623.6	7854.9	8451.6	9532.7	10851.2	11666.7	11666.7
22.5°	7923.6	7917.3	7954.8	7923.6	8036.1	8429.7	9442.1	11079.3	12338.4	12388.4
25°	8495.4	8464.1	8454.7	8382.9	8404.8	8632.8	9542.1	11338.6	13135.2	13238.3
27.5°	9257.7	9207.7	9173.4	9007.8	8951.5	9051.5	9848.2	11651.0	14022.5	14200.6
30°	10251.3	10160.7	10110.7	9823.3	9620.2	9635.8	10310.7	12066.6	14950.5	15237.9
32.5°	11607.3	11466.7	11332.4	10860.6	10488.8	10366.9	10907.4	12641.5	15956.5	16415.8
35°	13125.8	13013.3	12869.6	12141.6	11569.8	11288.6	11713.5	13444.5	17134.4	17862.4
37.5°	14588.0	14491.2	14559.9	13578.8	12841.5	12432.2	12769.6	14522.4	18587.3	19662.1
40°	16100.3	16025.3	16034.6	15097.3	14238.1	13778.8	14050.6	15875.3	20252.6	21802.4
42.5°	17743.7	17687.5	17500.0	16668.9	15703.5	15275.4	15525.4	17437.5	22039.8	24239.4
45°	19584.0	19549.6	19374.7	18421.7	17315.7	16834.5	17171.9	19162.2	23836.4	26532.8
47.5°	21174.4	21202.5	21180.6	20377.6	19230.9	18524.8	18927.9	20961.9	25508.0	28688.6
50°	21939.8	22086.7	22302.3	22052.3	21339.9	20621.3	20699.4	22699.1	27101.4	30710.2
52.5°	21539.9	21818.0	22405.4	22805.3	23080.3	22930.3	22721.0	24423.8	28601.2	32534.8
55°	20049.6	20440.1	21414.9	22380.4	23783.3	24873.7	25148.6	26335.9	30063.4	34140.8
57.5°	17334.4	17968.7	18843.5	20796.3	23158.4	25814.2	27979.4	28988.6	31613.1	35856.1
60°	12679.0	13528.8	14616.1	17521.9	20971.3	25311.1	30388.3	33062.9	33815.9	38077.6
62.5°	8114.2	8639.1	9638.9	12375.9	16340.8	22733.5	31125.7	38155.7	37549.6	41720.7
65°	5555.3	5892.7	6808.2	8345.4	10563.7	16922.0	29151.1	41973.8	43479.8	47494.7
67.5°	4036.8	4293.0	5074.1	6420.7	6883.1	10013.8	22621.0	41798.8	49244.4	53443.6
70°	2943.2	3124.4	3780.6	5074.1	5295.9	5570.9	13703.8	35531.2	49119.4	55024.6
72.5°	2180.9	2305.8	2746.4	3936.8	4286.7	3761.8	6783.2	25823.5	42208.1	49769.3
75°	1577.8	1671.6	1996.5	3012.0	3430.6	2865.1	3383.8	15091.1	29441.6	35009.4
77.5°	1206.0	1277.9	1490.4	2205.9	2746.4	2149.6	2099.6	6942.5	13960.0	14028.8
80°	968.6	1015.4	1131.0	1552.8	2105.9	1609.1	1368.5	2802.6	4411.7	3733.7
82.5°	712.4	790.5	956.1	1090.4	1506.0	1109.2	834.2	1415.4	1677.8	1443.5
85°	406.2	459.3	578.0	781.1	962.3	678.0	478.0	628.0	781.1	640.5
87.5°	143.7	187.5	203.1	306.2	418.7	281.2	184.3	181.2	256.2	190.6
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°
8632.8	0°	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8	8632.8
8726.6	2.5°	8695.3	8679.7	8617.2	8532.9	8445.4	8361.0	8332.9	8273.5	8232.9	8211.0
8929.7	5°	8870.3	8820.3	8673.5	8486.0	8289.1	8076.7	7926.7	7789.2	7689.3	7595.5
9207.7	7.5°	9120.3	9032.8	8779.7	8451.6	8101.7	7748.6	7486.2	7286.2	7151.9	7064.4
9532.7	10°	9410.8	9276.5	8889.0	8398.5	7858.0	7351.8	7042.5	6870.7	6786.3	6739.4
9904.5	12.5°	9745.1	9554.5	9001.5	8276.7	7486.2	6908.1	6695.7	6645.7	6648.8	6651.9
10373.2	15°	10157.6	9892.0	9092.1	8011.1	7001.9	6567.6	6530.1	6611.3	6695.7	6736.3
10904.3	17.5°	10623.1	10248.2	9107.8	7573.7	6527.0	6348.9	6467.6	6642.6	6770.7	6826.9
11498.0	20°	11123.0	10610.6	8995.3	6955.0	6136.4	6170.8	6383.2	6608.2	6748.8	6820.7
12176.0	22.5°	11694.8	10998.0	8726.6	6305.1	5817.7	5977.1	6227.0	6445.7	6592.6	6664.4
12972.7	25°	12347.8	11432.3	8304.8	5758.3	5542.8	5758.3	6008.3	6189.5	6308.3	6373.9
13863.2	27.5°	13072.7	11885.4	7742.4	5324.1	5302.2	5533.4	5739.6	5880.2	5942.7	5992.7
14809.9	30°	13800.7	12297.8	7061.2	4996.0	5092.8	5311.6	5458.4	5520.9	5539.6	5549.0
15865.9	32.5°	14588.0	12654.0	6345.7	4724.2	4892.9	5096.0	5183.5	5211.6	5124.1	5064.7
17146.9	35°	15541.0	13035.2	5645.9	4508.6	4696.0	4871.0	4899.1	4874.1	4771.0	4649.2
18752.9	37.5°	16718.9	13510.1	5086.6	4355.5	4511.7	4627.3	4592.9	4586.7	4596.1	4452.3
20683.8	40°	18162.4	14128.7	4677.3	4236.7	4361.7	4386.7	4289.9	4343.0	4389.8	4171.1
22802.2	42.5°	19765.2	14875.5	4418.0	4155.5	4236.7	4177.4	4027.4	4086.8	4080.5	3793.1
24929.9	45°	21399.3	15687.8	4327.4	4096.1	4121.1	4002.4	3836.8	3852.4	3721.2	3461.9
26970.2	47.5°	23024.0	16559.6	4383.6	4046.2	3977.4	3843.1	3715.0	3646.2	3452.5	3258.8
28926.1	50°	24617.5	17475.0	4589.8	3946.2	3780.6	3702.5	3608.7	3486.9	3280.7	3115.1
30775.8	52.5°	26095.4	18396.7	4821.0	3780.6	3533.7	3580.6	3521.2	3380.6	3177.6	3008.8
32525.5	55°	27495.1	19318.4	4911.6	3552.5	3302.5	3474.4	3440.0	3180.7	2937.0	2799.5
34356.4	57.5°	29019.8	20427.6	4811.6	3261.9	3115.1	3352.5	3221.3	2933.9	2793.3	2690.1
36740.3	60°	31132.0	22167.9	4596.1	2902.6	2937.0	3171.3	2946.4	2827.6	2674.5	2558.9
40314.7	62.5°	34640.7	25414.2	4249.2	2546.4	2727.6	2902.6	2815.1	2696.4	2540.2	2427.7
46426.1	65°	39827.3	29925.9	3596.2	2268.3	2493.3	2640.2	2674.5	2555.8	2393.3	2274.6
51781.4	67.5°	44201.5	32756.7	2721.4	2037.1	2252.7	2427.7	2524.6	2408.9	2237.1	2121.5
53034.3	70°	43960.9	30700.8	2077.8	1809.1	2040.3	2218.4	2343.3	2252.7	2068.4	1959.0
48172.7	72.5°	39046.2	25682.9	1681.0	1577.8	1824.7	1999.6	2149.6	2080.9	1893.4	1787.2
35290.6	75°	28685.5	18231.1	1343.5	1343.5	1556.0	1771.6	1937.2	1893.4	1721.6	1646.6
14816.1	77.5°	12091.6	7648.6	1052.9	1115.4	1293.5	1521.6	1727.8	1743.4	1593.5	1687.2
3918.1	80°	3215.1	2109.0	803.0	878.0	1015.4	1256.0	1502.9	1496.6	1334.1	1246.7
1456.0	82.5°	1224.8	831.1	571.8	618.6	734.2	962.3	1190.4	1227.9	1065.4	921.7
571.8	85°	471.8	356.2	353.1	371.8	428.0	637.4	899.8	931.1	803.0	681.1
159.3	87.5°	121.9	106.2	131.2	125.0	196.8	340.6	515.5	534.3	490.5	284.3
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>
8632.8
8236.0
7633.0
7083.1
6751.9
6658.2
6733.2
6839.4
6839.4
6683.2
6392.6
6011.4
5570.9
5083.5
4655.4
4461.7
4177.4
3790.0
3471.3
3258.8
3102.6
3012.0
2787.0
2680.8
2552.7
2427.7
2280.8
2124.6
1968.4
1787.2
1624.7
1531.0
1159.2
921.7
703.0
406.2
0.0

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