

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: P849456

Luminaire Tested: **GLAN-SB6C-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849456
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-SB6C-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43467 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

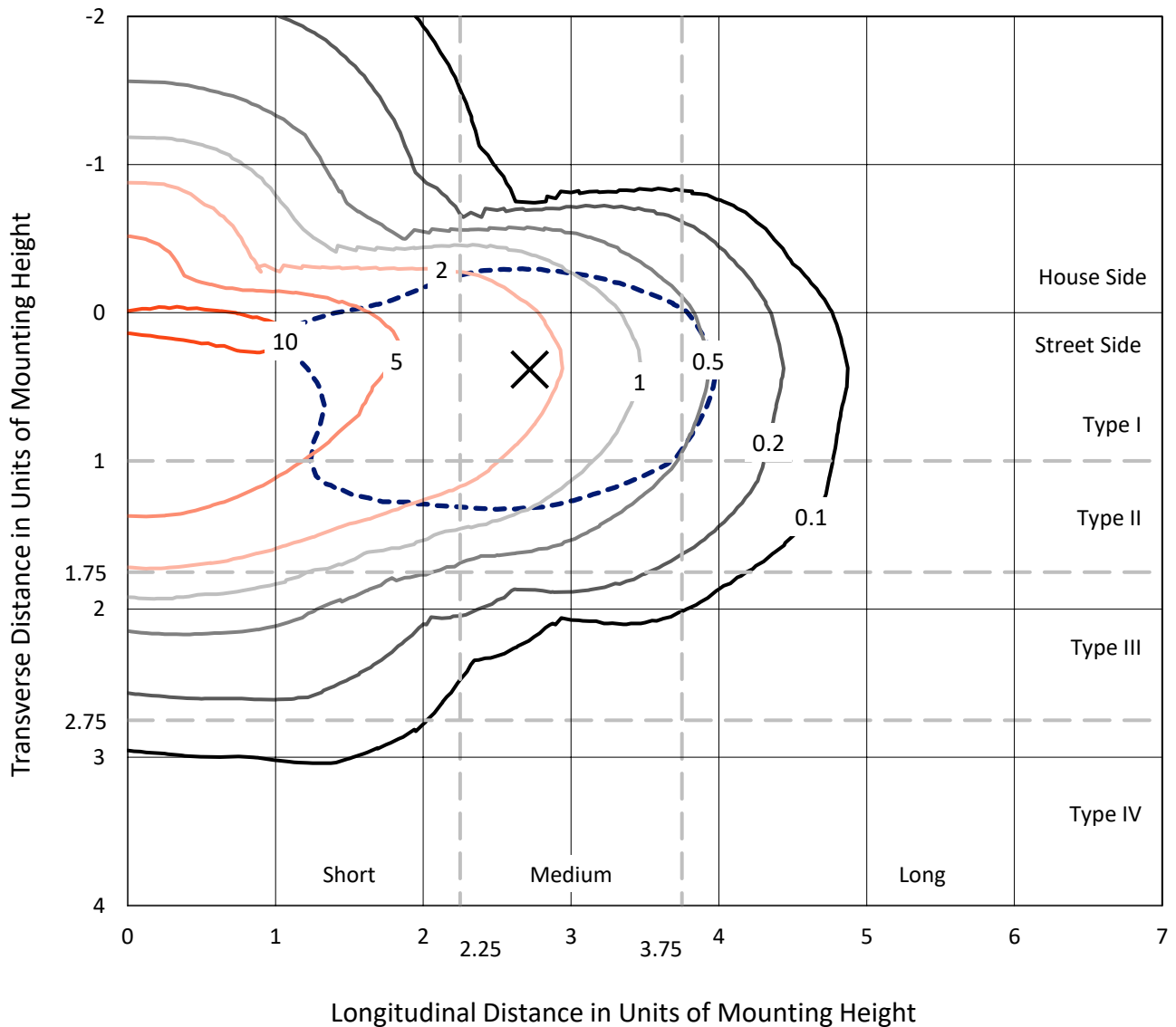
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

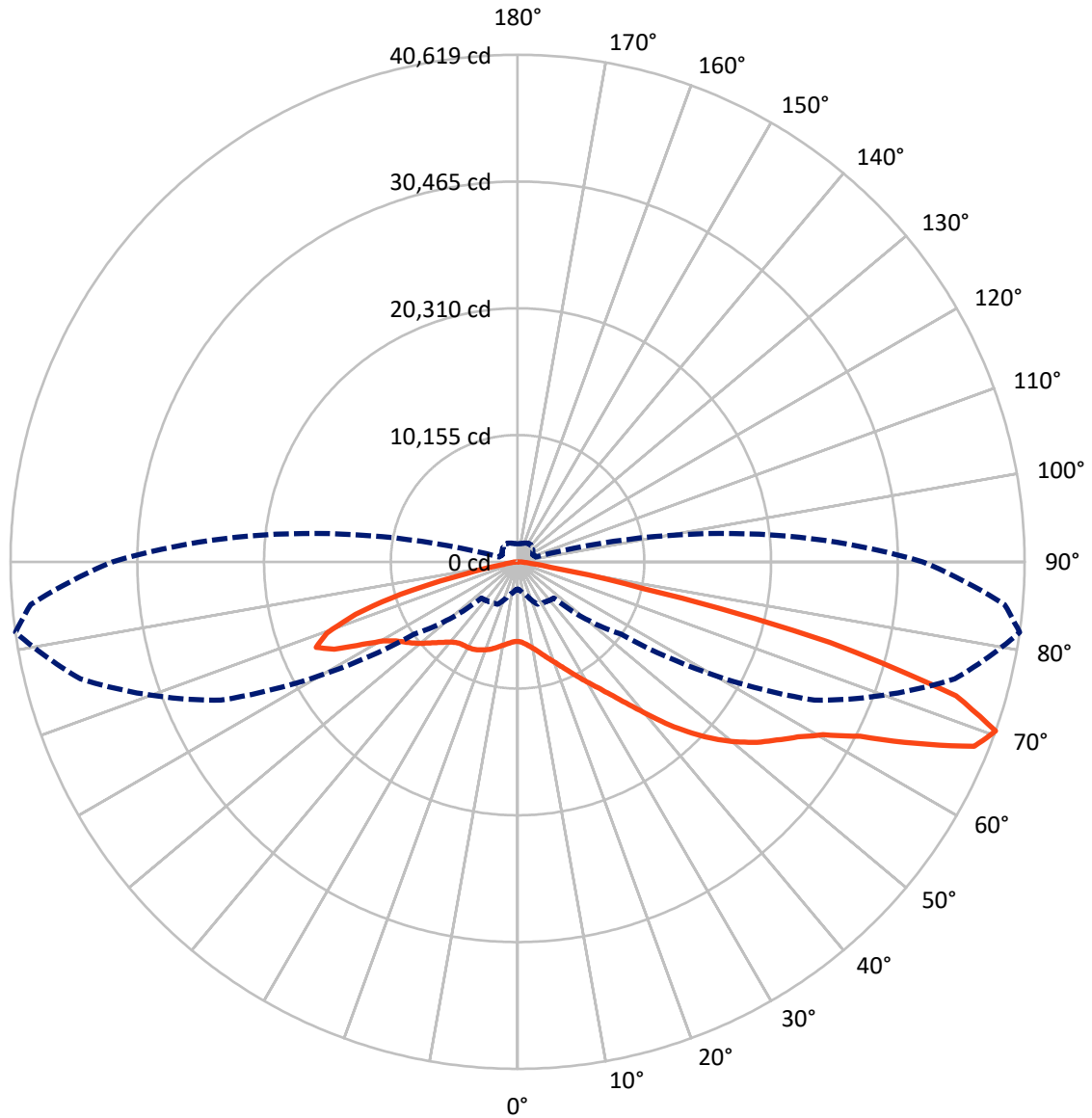
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	10715.7	0.0	10715.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	32751.3	0.0	32751.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	43467.0	0.0	43467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.7	1.4
10°-20°	1728.7	4.0
20°-30°	2892.0	6.7
30°-40°	4518.1	10.4
40°-50°	7195.5	16.6
50°-60°	10013.4	23.0
60°-70°	10474.5	24.1
70°-80°	5474.6	12.6
80°-90°	568.5	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°	43467.0	100.0
0°-180°	43467.0	100.0

Coefficient of Utilization

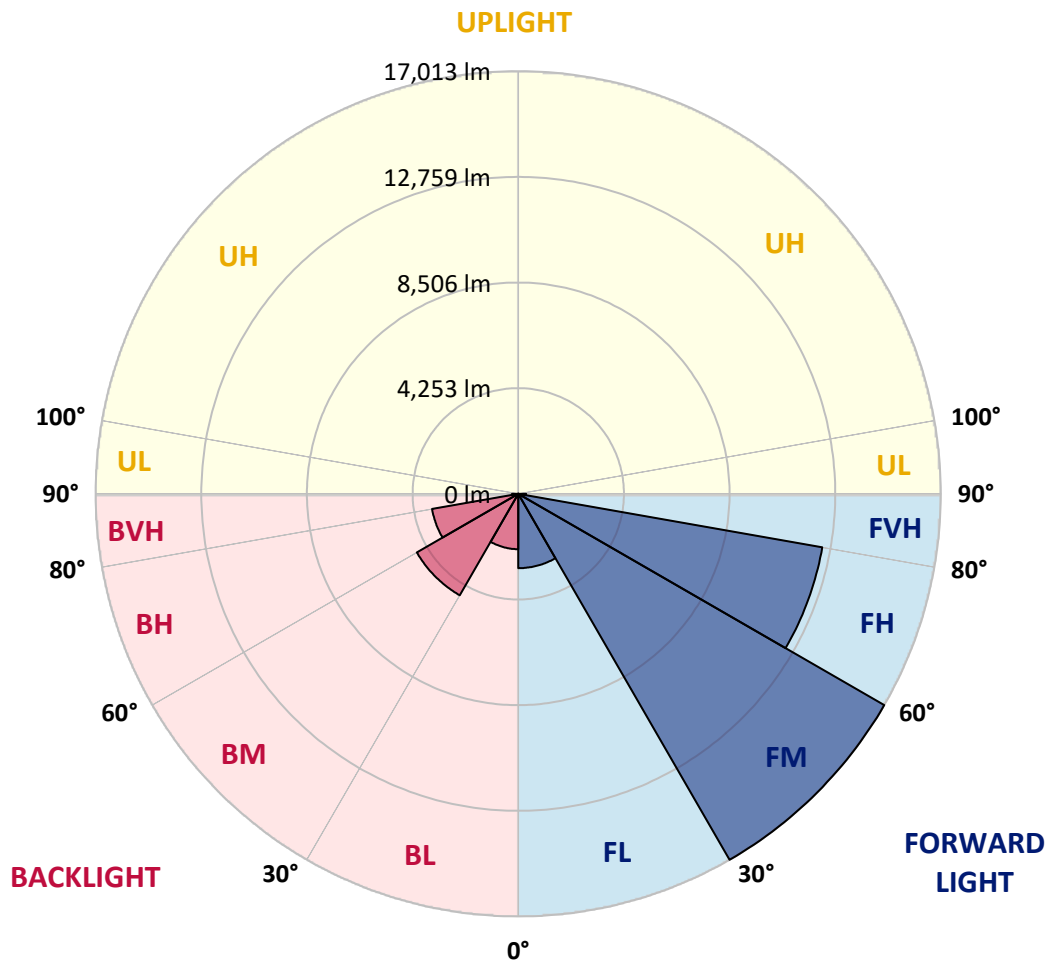


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2993.2	6.9			
FM (30°-60°)	17012.5	39.1			
FH (60°-80°)	12427.4	28.6			G5
FVH (80°-90°)	318.2	0.7			G3/500
BL (0°-30°)	2229.3	5.1	B3/2500		
BM (30°-60°)	4714.5	10.8	B3/5000		
BH (60°-80°)	3521.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	250.2	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°	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8
2.5°	6525.0	6561.9	6550.4	6538.9	6538.9	6522.7	6520.4	6497.4	6478.9	6448.9
5°	6608.1	6647.3	6642.7	6651.9	6681.9	6688.8	6695.7	6681.9	6645.0	6608.1
7.5°	6534.3	6578.1	6591.9	6647.3	6739.5	6822.6	6884.8	6910.2	6875.6	6822.6
10°	6285.2	6333.6	6382.0	6513.5	6677.3	6873.3	7039.4	7138.6	7131.6	7080.9
12.5°	5780.0	5830.8	5934.6	6190.6	6490.4	6836.4	7145.5	7353.1	7424.6	7387.7
15°	5376.4	5420.2	5498.6	5761.6	6151.4	6677.3	7184.7	7588.3	7770.5	7749.8
17.5°	5364.9	5383.3	5431.8	5556.3	5856.2	6428.2	7143.2	7819.0	8167.2	8164.9
20°	5567.8	5574.8	5602.4	5627.8	5798.5	6239.0	7037.1	8010.4	8612.4	8612.4
22.5°	5849.2	5844.6	5872.3	5849.2	5932.3	6222.9	6970.2	8178.8	9108.3	9145.2
25°	6271.3	6248.3	6241.3	6188.3	6204.4	6372.8	7044.0	8370.2	9696.4	9772.6
27.5°	6834.1	6797.2	6771.8	6649.6	6608.1	6681.9	7270.0	8600.9	10351.5	10483.0
30°	7567.6	7500.7	7463.8	7251.6	7101.7	7113.2	7611.4	8907.6	11036.5	11248.7
32.5°	8568.6	8464.8	8365.6	8017.3	7742.9	7652.9	8051.9	9332.0	11779.2	12118.2
35°	9689.5	9606.5	9500.4	8963.0	8540.9	8333.3	8647.0	9924.8	12648.7	13186.1
37.5°	10769.0	10697.5	10748.2	10024.0	9479.6	9177.5	9426.6	10720.5	13721.3	14514.7
40°	11885.3	11829.9	11836.9	11144.9	10510.6	10171.6	10372.2	11719.2	14950.6	16094.6
42.5°	13098.5	13057.0	12918.6	12305.1	11592.4	11276.4	11460.9	12872.5	16269.9	17893.7
45°	14457.0	14431.6	14302.5	13599.0	12782.5	12427.3	12676.4	14145.6	17596.1	19586.6
47.5°	15631.0	15651.8	15635.6	15042.9	14196.4	13675.1	13972.7	15474.2	18830.1	21178.1
50°	16196.1	16304.5	16463.7	16279.1	15753.3	15222.8	15280.4	16756.6	20006.4	22670.4
52.5°	15900.9	16106.2	16539.8	16835.0	17038.0	16927.3	16772.7	18029.8	21113.5	24017.4
55°	14800.7	15089.0	15808.6	16521.3	17556.9	18361.9	18564.9	19441.3	22193.0	25202.9
57.5°	12796.4	13264.6	13910.4	15351.9	17095.6	19056.1	20654.5	21399.5	23337.0	26469.2
60°	9359.7	9987.1	10789.7	12934.7	15481.1	18684.8	22432.8	24407.2	24963.0	28109.1
62.5°	5989.9	6377.4	7115.5	9136.0	12062.9	16782.0	22977.2	28166.7	27719.3	30798.4
65°	4100.9	4350.0	5025.8	6160.6	7798.2	12491.9	21519.5	30985.3	32097.0	35060.8
67.5°	2980.0	3169.1	3745.7	4739.8	5081.2	7392.3	16698.9	30856.1	36352.4	39452.3
70°	2172.7	2306.5	2790.8	3745.7	3909.5	4112.5	10116.2	26229.3	36260.2	40619.4
72.5°	1609.9	1702.2	2027.4	2906.2	3164.5	2777.0	5007.4	19063.1	31158.2	36739.9
75°	1164.8	1234.0	1473.8	2223.4	2532.5	2115.0	2497.9	11140.3	21734.0	25844.1
77.5°	890.3	943.4	1100.2	1628.4	2027.4	1586.9	1550.0	5125.0	10305.4	10356.1
80°	715.0	749.6	834.9	1146.3	1554.6	1187.8	1010.2	2068.9	3256.8	2756.2
82.5°	525.9	583.5	705.8	805.0	1111.7	818.8	615.8	1044.8	1238.6	1065.6
85°	299.8	339.1	426.7	576.6	710.4	500.5	352.9	463.6	576.6	472.8
87.5°	106.1	138.4	149.9	226.0	309.1	207.6	136.1	133.8	189.1	140.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849456
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6372.8	0°	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8	6372.8
6442.0	2.5°	6418.9	6407.4	6361.3	6299.0	6234.4	6172.1	6151.4	6107.6	6077.6	6061.4
6591.9	5°	6548.1	6511.2	6402.8	6264.4	6119.1	5962.3	5851.5	5750.1	5676.2	5607.1
6797.2	7.5°	6732.6	6668.0	6481.2	6239.0	5980.7	5720.1	5526.3	5378.7	5279.5	5215.0
7037.1	10°	6947.1	6847.9	6561.9	6199.8	5800.8	5427.1	5198.8	5072.0	5009.7	4975.1
7311.5	12.5°	7193.9	7053.2	6645.0	6109.9	5526.3	5099.6	4942.8	4905.9	4908.2	4910.5
7657.5	15°	7498.4	7302.3	6711.9	5913.8	5168.8	4848.2	4820.5	4880.5	4942.8	4972.8
8049.6	17.5°	7842.0	7565.3	6723.4	5590.9	4818.2	4686.8	4774.4	4903.6	4998.1	5039.7
8487.8	20°	8211.1	7832.8	6640.4	5134.2	4529.9	4555.3	4712.1	4878.2	4982.0	5035.0
8988.4	22.5°	8633.2	8118.8	6442.0	4654.5	4294.7	4412.3	4596.8	4758.3	4866.7	4919.7
9576.5	25°	9115.2	8439.4	6130.6	4250.8	4091.7	4250.8	4435.4	4569.1	4656.8	4705.2
10233.9	27.5°	9650.3	8773.9	5715.5	3930.2	3914.1	4084.8	4237.0	4340.8	4386.9	4423.8
10932.7	30°	10187.7	9078.3	5212.6	3688.1	3759.6	3921.0	4029.4	4075.6	4089.4	4096.3
11712.3	32.5°	10769.0	9341.2	4684.5	3487.4	3611.9	3761.9	3826.5	3847.2	3782.6	3738.8
12658.0	35°	11472.4	9622.6	4167.8	3328.3	3466.6	3595.8	3616.6	3598.1	3522.0	3432.0
13843.5	37.5°	12342.0	9973.2	3755.0	3215.2	3330.6	3415.9	3390.5	3385.9	3392.8	3286.7
15268.9	40°	13407.6	10429.9	3452.8	3127.6	3219.8	3238.3	3166.8	3206.0	3240.6	3079.2
16832.7	42.5°	14590.8	10981.2	3261.4	3067.6	3127.6	3083.8	2973.1	3016.9	3012.3	2800.1
18403.4	45°	15797.1	11580.8	3194.5	3023.8	3042.2	2954.6	2832.4	2843.9	2747.0	2555.6
19909.5	47.5°	16996.5	12224.3	3236.0	2986.9	2936.1	2837.0	2742.4	2691.7	2548.7	2405.7
21353.4	50°	18172.8	12900.1	3388.2	2913.1	2790.8	2733.2	2664.0	2574.0	2421.8	2299.6
22718.8	52.5°	19263.7	13580.6	3558.9	2790.8	2608.6	2643.2	2599.4	2495.6	2345.7	2221.1
24010.5	55°	20297.0	14261.0	3625.8	2622.5	2437.9	2564.8	2539.4	2348.0	2168.1	2066.6
25362.1	57.5°	21422.6	15079.8	3552.0	2408.0	2299.6	2474.9	2378.0	2165.8	2062.0	1985.9
27121.9	60°	22981.8	16364.5	3392.8	2142.7	2168.1	2341.1	2175.0	2087.4	1974.3	1889.0
29760.5	62.5°	25571.9	18760.9	3136.8	1879.8	2013.6	2142.7	2078.1	1990.5	1875.2	1792.1
34272.0	65°	29400.7	22091.5	2654.8	1674.5	1840.6	1949.0	1974.3	1886.7	1766.8	1679.1
38225.3	67.5°	32629.8	24181.1	2008.9	1503.8	1663.0	1792.1	1863.6	1778.3	1651.4	1566.1
39150.2	70°	32452.2	22663.5	1533.8	1335.5	1506.1	1637.6	1729.9	1663.0	1526.9	1446.2
35561.3	72.5°	28824.1	18959.3	1240.9	1164.8	1347.0	1476.1	1586.9	1536.1	1397.7	1319.3
26051.7	75°	21175.8	13458.3	991.8	991.8	1148.6	1307.8	1430.0	1397.7	1270.9	1215.5
10937.3	77.5°	8926.1	5646.3	777.3	823.4	954.9	1123.3	1275.5	1287.0	1176.3	1245.5
2892.3	80°	2373.4	1556.9	592.8	648.1	749.6	927.2	1109.4	1104.8	984.9	920.3
1074.8	82.5°	904.1	613.5	422.1	456.7	542.0	710.4	878.8	906.4	786.5	680.4
422.1	85°	348.3	262.9	260.6	274.5	316.0	470.5	664.3	687.3	592.8	502.8
117.6	87.5°	90.0	78.4	96.9	92.3	145.3	251.4	380.6	394.4	362.1	209.9
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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180°
6372.8
6079.9
5634.7
5228.8
4984.3
4915.1
4970.5
5048.9
5048.9
4933.6
4719.1
4437.7
4112.5
3752.6
3436.7
3293.7
3083.8
2797.8
2562.5
2405.7
2290.3
2223.4
2057.4
1979.0
1884.4
1792.1
1683.7
1568.4
1453.1
1319.3
1199.4
1130.2
855.7
680.4
519.0
299.8
0.0

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