

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: P848686

Luminaire Tested: **GLAN-SB5B-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848686
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-SB5B-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25065 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

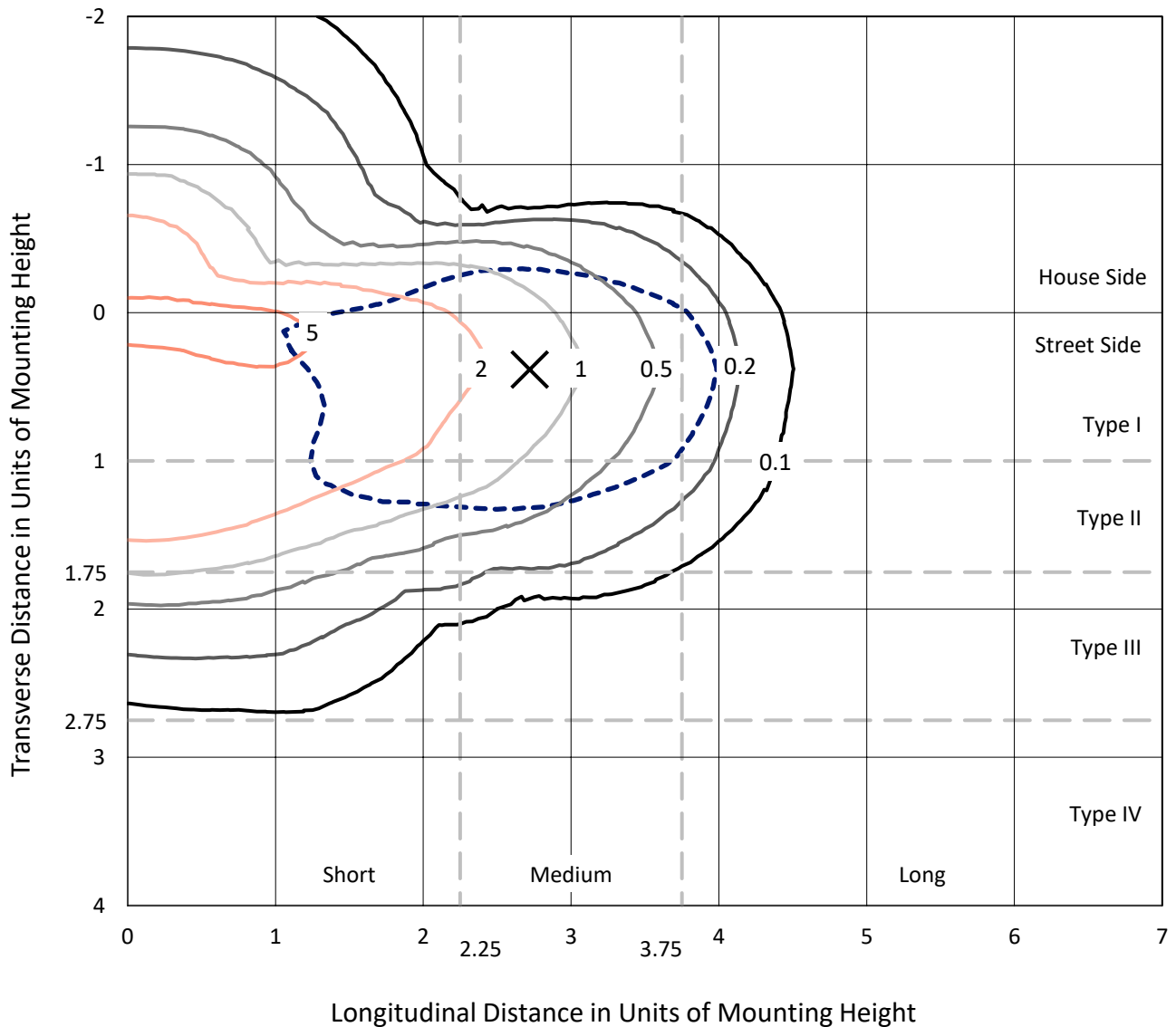
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

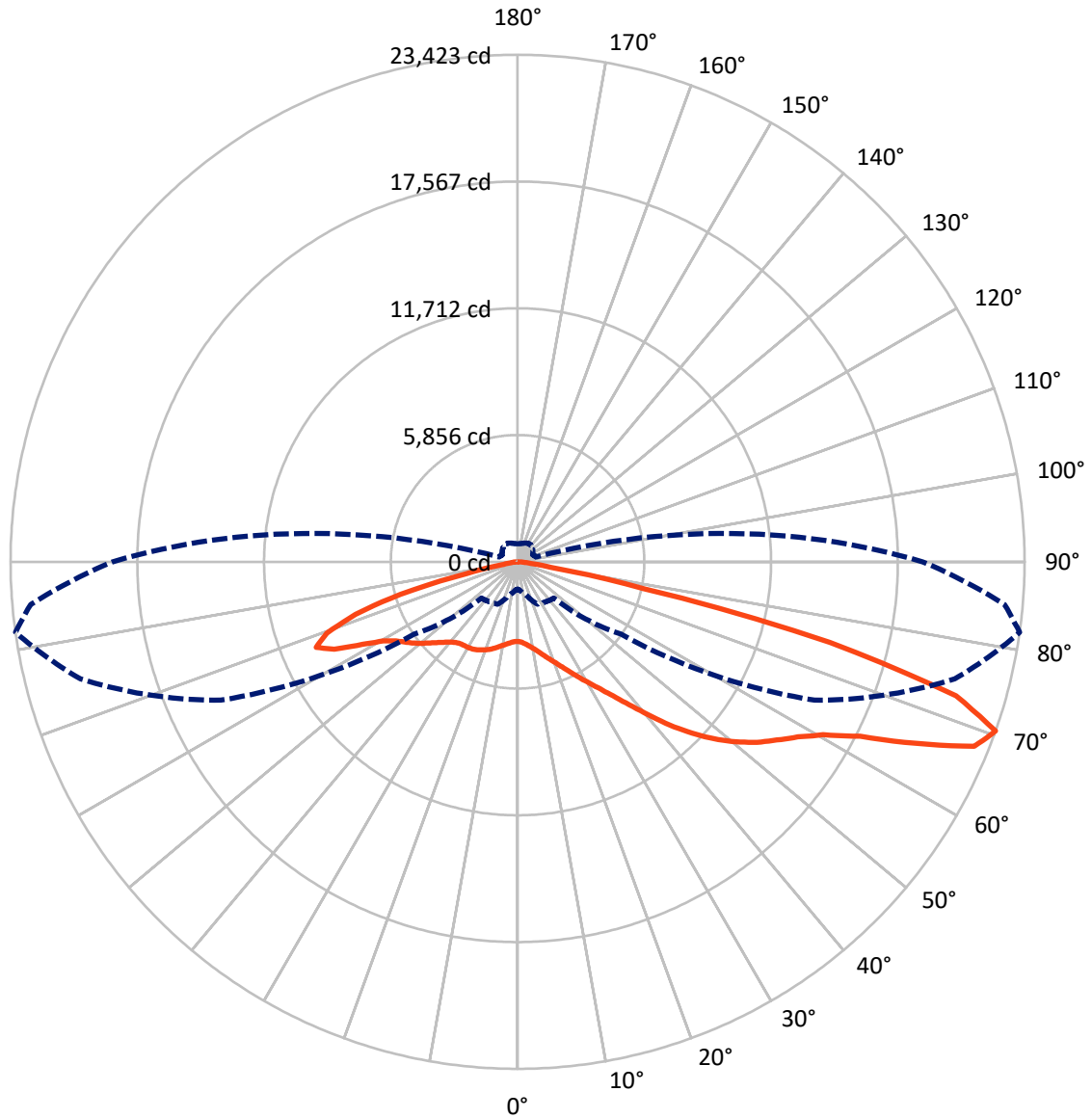
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	6179.1	0.0	6179.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18885.9	0.0	18885.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	25065.0	0.0	25065.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.0	1.4
10°-20°	996.9	4.0
20°-30°	1667.7	6.7
30°-40°	2605.3	10.4
40°-50°	4149.3	16.6
50°-60°	5774.2	23.0
60°-70°	6040.1	24.1
70°-80°	3156.9	12.6
80°-90°	327.8	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°	25065.0	100.0
0°-180°	25065.0	100.0

Coefficient of Utilization



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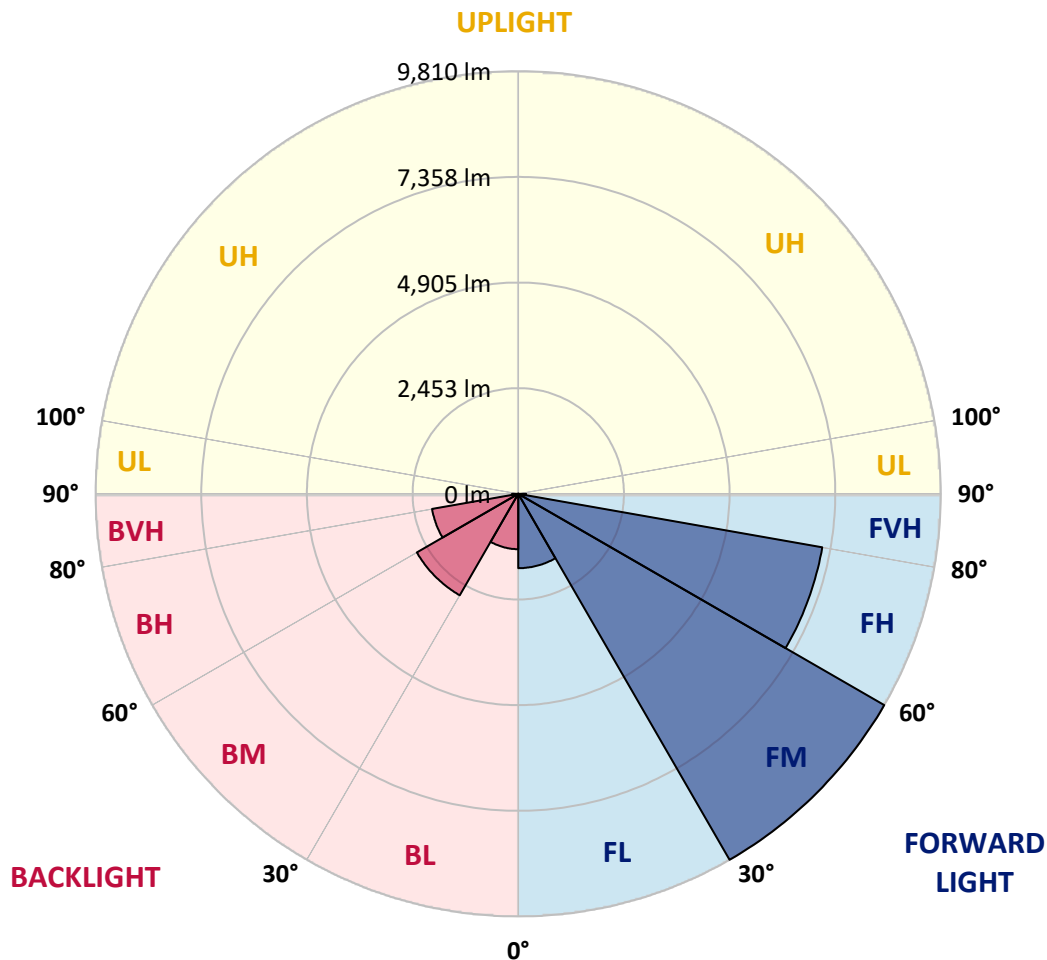
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1726.0	6.9			
FM (30°-60°)	9810.2	39.1			
FH (60°-80°)	7166.2	28.6			G3/7500
FVH (80°-90°)	183.5	0.7			G2/225
BL (0°-30°)	1285.5	5.1	B3/2500		
BM (30°-60°)	2718.6	10.8	B3/5000		
BH (60°-80°)	2030.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	144.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8
2.5°	3762.6	3783.9	3777.3	3770.6	3770.6	3761.3	3760.0	3746.7	3736.0	3718.7
5°	3810.5	3833.1	3830.5	3835.8	3853.1	3857.1	3861.0	3853.1	3831.8	3810.5
7.5°	3767.9	3793.2	3801.2	3833.1	3886.3	3934.2	3970.1	3984.7	3964.8	3934.2
10°	3624.3	3652.2	3680.2	3756.0	3850.4	3963.5	4059.2	4116.4	4112.4	4083.2
12.5°	3333.0	3362.3	3422.1	3569.8	3742.7	3942.2	4120.4	4240.1	4281.3	4260.1
15°	3100.3	3125.5	3170.8	3322.4	3547.2	3850.4	4143.0	4375.8	4480.8	4468.9
17.5°	3093.6	3104.3	3132.2	3204.0	3376.9	3706.8	4119.1	4508.8	4709.6	4708.3
20°	3210.7	3214.7	3230.6	3245.2	3343.7	3597.7	4057.9	4619.2	4966.3	4966.3
22.5°	3372.9	3370.3	3386.2	3372.9	3420.8	3588.4	4019.3	4716.2	5252.2	5273.5
25°	3616.3	3603.0	3599.0	3568.4	3577.8	3674.8	4061.9	4826.6	5591.4	5635.3
27.5°	3940.8	3919.6	3904.9	3834.4	3810.5	3853.1	4192.2	4959.6	5969.1	6044.9
30°	4363.8	4325.2	4303.9	4181.6	4095.1	4101.8	4389.1	5136.5	6364.1	6486.5
32.5°	4941.0	4881.2	4824.0	4623.1	4464.9	4413.0	4643.1	5381.3	6792.4	6987.9
35°	5587.4	5539.5	5478.3	5168.5	4925.1	4805.4	4986.2	5723.1	7293.8	7603.7
37.5°	6209.9	6168.6	6197.9	5780.3	5466.4	5292.1	5435.8	6181.9	7912.3	8369.8
40°	6853.6	6821.7	6825.7	6426.7	6060.9	5865.4	5981.1	6757.8	8621.2	9280.9
42.5°	7553.2	7529.2	7449.4	7095.7	6684.7	6502.5	6608.9	7422.8	9382.0	10318.3
45°	8336.6	8321.9	8247.4	7841.8	7371.0	7166.1	7309.8	8157.0	10146.7	11294.5
47.5°	9013.5	9025.5	9016.2	8674.4	8186.3	7885.7	8057.3	8923.1	10858.3	12212.2
50°	9339.4	9401.9	9493.7	9387.3	9084.0	8778.1	8811.4	9662.6	11536.6	13072.8
52.5°	9169.2	9287.5	9537.6	9707.8	9824.9	9761.0	9671.9	10396.8	12175.0	13849.5
55°	8534.7	8701.0	9116.0	9526.9	10124.1	10588.3	10705.3	11210.7	12797.4	14533.1
57.5°	7378.9	7648.9	8021.3	8852.6	9858.1	10988.6	11910.3	12339.9	13457.1	15263.3
60°	5397.2	5759.0	6221.8	7458.7	8927.1	10774.5	12935.8	14074.3	14394.8	16208.9
62.5°	3454.1	3677.5	4103.1	5268.2	6956.0	9677.2	13249.6	16242.2	15984.2	17759.7
65°	2364.8	2508.4	2898.1	3552.5	4496.8	7203.4	12409.1	17867.5	18508.5	20217.6
67.5°	1718.4	1827.4	2160.0	2733.2	2930.0	4262.7	9629.3	17793.0	20962.4	22750.0
70°	1252.9	1330.0	1609.3	2160.0	2254.4	2371.4	5833.5	15125.0	20909.2	23423.0
72.5°	928.4	981.6	1169.1	1675.8	1824.8	1601.3	2887.5	10992.6	17967.2	21185.9
75°	671.7	711.6	849.9	1282.1	1460.4	1219.6	1440.4	6424.0	12532.8	14902.9
77.5°	513.4	544.0	634.4	939.0	1169.1	915.1	893.8	2955.3	5942.5	5971.8
80°	412.3	432.3	481.5	661.0	896.4	685.0	582.5	1193.0	1878.0	1589.4
82.5°	303.2	336.5	407.0	464.2	641.1	472.2	355.1	602.5	714.2	614.5
85°	172.9	195.5	246.1	332.5	409.6	288.6	203.5	267.3	332.5	272.7
87.5°	61.2	79.8	86.5	130.3	178.2	119.7	78.5	77.1	109.1	81.1
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°
3674.8	0°	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8
3714.7	2.5°	3701.4	3694.8	3668.2	3632.3	3595.0	3559.1	3547.2	3521.9	3504.6	3495.3
3801.2	5°	3775.9	3754.6	3692.1	3612.3	3528.5	3438.1	3374.3	3315.7	3273.2	3233.3
3919.6	7.5°	3882.3	3845.1	3737.4	3597.7	3448.7	3298.4	3186.7	3101.6	3044.4	3007.2
4057.9	10°	4006.0	3948.8	3783.9	3575.1	3345.0	3129.5	2997.9	2924.7	2888.8	2868.9
4216.2	12.5°	4148.3	4067.2	3831.8	3523.2	3186.7	2940.7	2850.2	2829.0	2830.3	2831.6
4415.7	15°	4323.9	4210.8	3870.4	3410.2	2980.6	2795.7	2779.7	2814.3	2850.2	2867.5
4641.8	17.5°	4522.1	4362.5	3877.0	3224.0	2778.4	2702.6	2753.1	2827.6	2882.2	2906.1
4894.5	20°	4734.9	4516.7	3829.1	2960.6	2612.2	2626.8	2717.2	2813.0	2872.8	2903.4
5183.1	22.5°	4978.3	4681.7	3714.7	2684.0	2476.5	2544.3	2650.7	2743.8	2806.3	2836.9
5522.2	25°	5256.2	4866.5	3535.2	2451.2	2359.5	2451.2	2557.6	2634.8	2685.3	2713.2
5901.3	27.5°	5564.8	5059.4	3295.8	2266.4	2257.0	2355.5	2443.2	2503.1	2529.7	2551.0
6304.3	30°	5874.7	5235.0	3005.8	2126.7	2167.9	2261.0	2323.5	2350.1	2358.1	2362.1
6753.8	32.5°	6209.9	5386.6	2701.3	2011.0	2082.8	2169.3	2206.5	2218.5	2181.2	2156.0
7299.1	35°	6615.5	5548.8	2403.3	1919.2	1999.0	2073.5	2085.5	2074.8	2030.9	1979.1
7982.8	37.5°	7116.9	5751.0	2165.3	1854.0	1920.5	1969.8	1955.1	1952.5	1956.5	1895.3
8804.7	40°	7731.4	6014.3	1991.0	1803.5	1856.7	1867.3	1826.1	1848.7	1868.7	1775.6
9706.5	42.5°	8413.7	6332.2	1880.6	1768.9	1803.5	1778.2	1714.4	1739.7	1737.0	1614.6
10612.2	45°	9109.3	6678.0	1842.1	1743.7	1754.3	1703.8	1633.3	1639.9	1584.1	1473.7
11480.7	47.5°	9800.9	7049.1	1866.0	1722.4	1693.1	1635.9	1581.4	1552.1	1469.7	1387.2
12313.3	50°	10479.2	7438.8	1953.8	1679.8	1609.3	1576.1	1536.2	1484.3	1396.5	1326.0
13100.7	52.5°	11108.3	7831.2	2052.2	1609.3	1504.3	1524.2	1498.9	1439.1	1352.6	1280.8
13845.5	55°	11704.2	8223.5	2090.8	1512.2	1405.8	1479.0	1464.4	1354.0	1250.2	1191.7
14624.9	57.5°	12353.2	8695.7	2048.2	1388.5	1326.0	1427.1	1371.2	1248.9	1189.0	1145.1
15639.7	60°	13252.3	9436.5	1956.5	1235.6	1250.2	1350.0	1254.2	1203.7	1138.5	1089.3
17161.2	62.5°	14745.9	10818.4	1808.8	1084.0	1161.1	1235.6	1198.3	1147.8	1081.3	1033.4
19762.8	65°	16953.8	12738.9	1530.9	965.6	1061.4	1123.9	1138.5	1088.0	1018.8	968.3
22042.4	67.5°	18815.8	13943.9	1158.4	867.2	958.9	1033.4	1074.7	1025.4	952.3	903.1
22575.7	70°	18713.4	13068.8	884.5	770.1	868.5	944.3	997.5	958.9	880.5	833.9
20506.2	72.5°	16621.2	10932.8	715.6	671.7	776.7	851.2	915.1	885.8	806.0	760.8
15022.6	75°	12210.9	7760.7	571.9	571.9	662.3	754.1	824.6	806.0	732.8	700.9
6306.9	77.5°	5147.2	3255.9	448.2	474.8	550.6	647.7	735.5	742.2	678.3	718.2
1667.8	80°	1368.6	897.8	341.8	373.7	432.3	534.7	639.7	637.1	567.9	530.7
619.8	82.5°	521.4	353.8	243.4	263.3	312.6	409.6	506.7	522.7	453.5	392.4
243.4	85°	200.8	151.6	150.3	158.3	182.2	271.3	383.0	396.3	341.8	289.9
67.8	87.5°	51.9	45.2	55.9	53.2	83.8	145.0	219.5	227.4	208.8	121.0
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°
3674.8
3505.9
3249.2
3015.2
2874.2
2834.3
2866.2
2911.4
2911.4
2844.9
2721.2
2559.0
2371.4
2163.9
1981.7
1899.3
1778.2
1613.3
1477.7
1387.2
1320.7
1282.1
1186.4
1141.2
1086.6
1033.4
970.9
904.4
837.9
760.8
691.6
651.7
493.4
392.4
299.3
172.9
0.0

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