

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: P847656

Luminaire Tested: **GLAN-SB3D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847656
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-SB3D-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25048 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

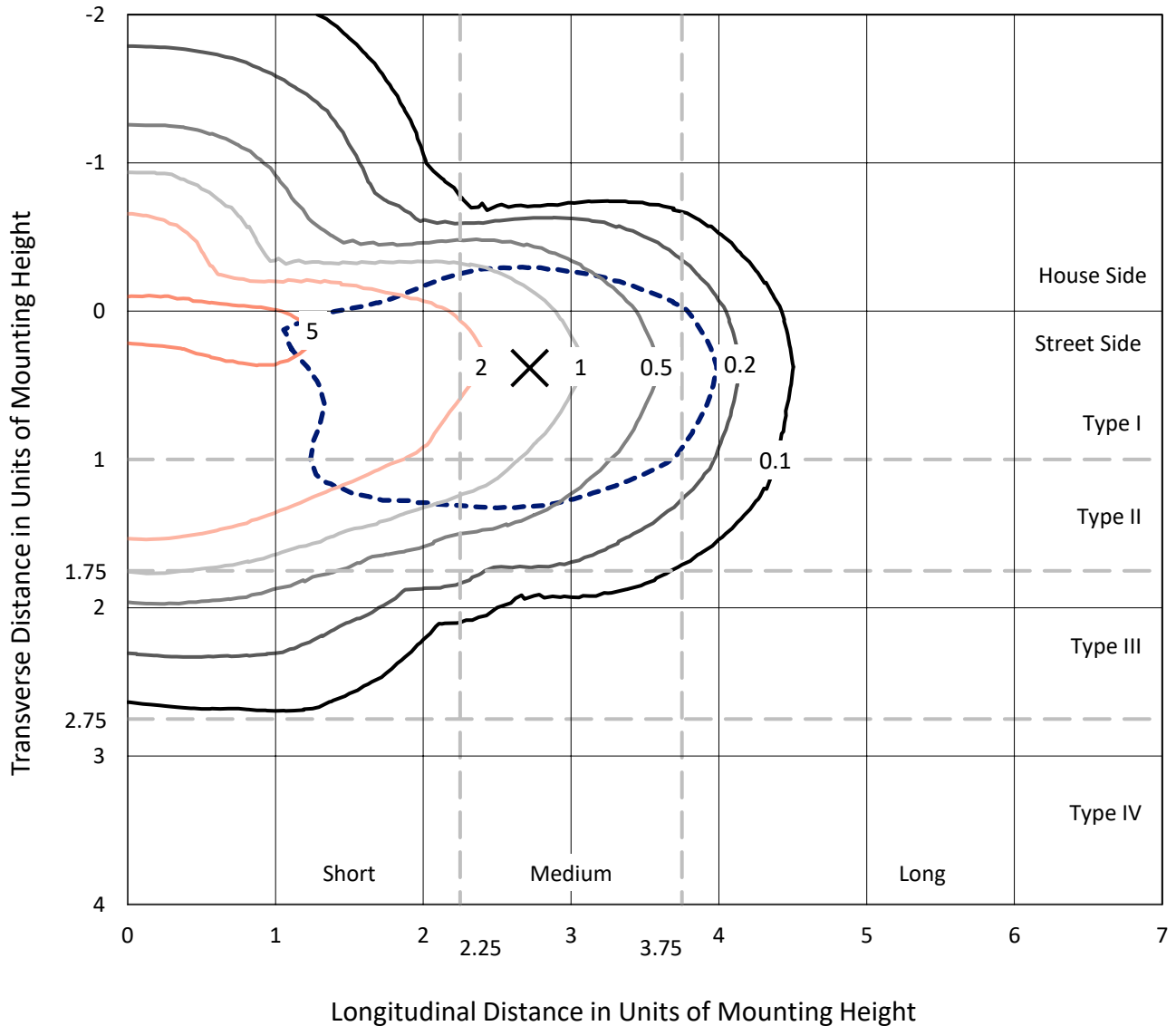
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

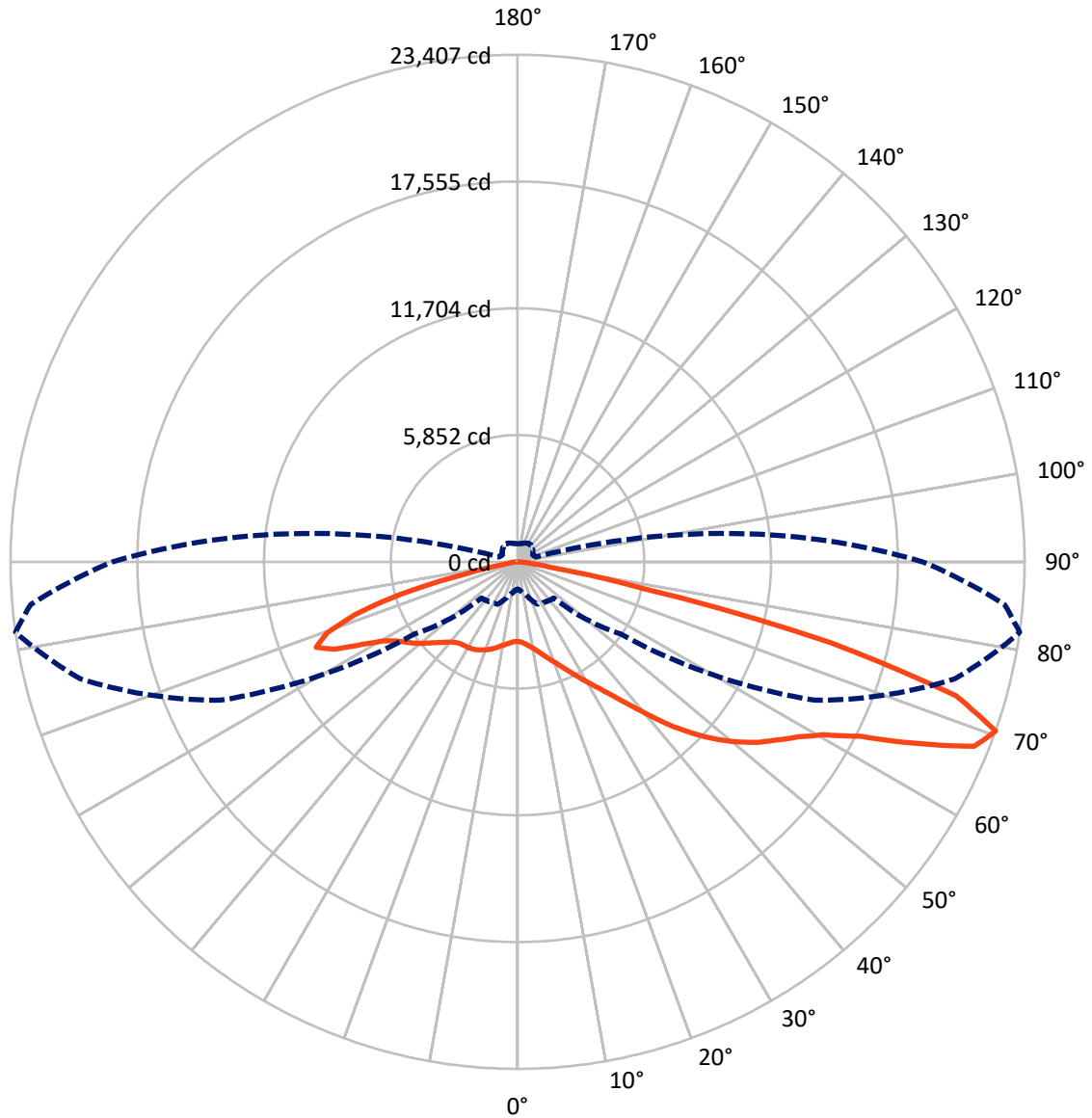
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	6174.9	0.0	6174.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18873.1	0.0	18873.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	25048.0	0.0	25048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	1.4
10°-20°	996.2	4.0
20°-30°	1666.5	6.7
30°-40°	2603.5	10.4
40°-50°	4146.4	16.6
50°-60°	5770.3	23.0
60°-70°	6036.0	24.1
70°-80°	3154.7	12.6
80°-90°	327.6	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°	25048.0	100.0
0°-180°	25048.0	100.0

Coefficient of Utilization

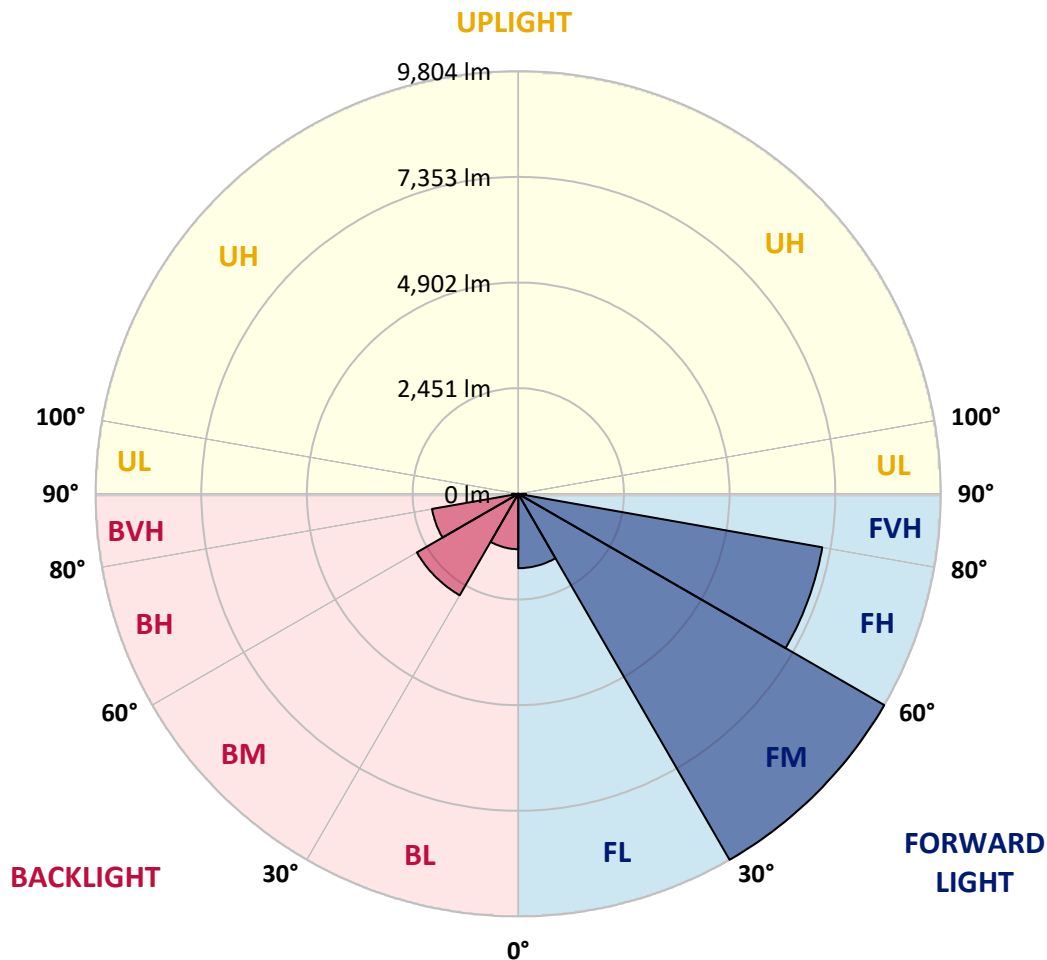


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1724.8	6.9			
FM (30°-60°)	9803.5	39.1			
FH (60°-80°)	7161.3	28.6			G3/7500
FVH (80°-90°)	183.4	0.7			G2/225
BL (0°-30°)	1284.6	5.1	B3/2500		
BM (30°-60°)	2716.7	10.8	B3/5000		
BH (60°-80°)	2029.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	144.2	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°	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4
2.5°	3760.1	3781.3	3774.7	3768.0	3768.0	3758.7	3757.4	3744.1	3733.5	3716.2
5°	3807.9	3830.5	3827.9	3833.2	3850.5	3854.4	3858.4	3850.5	3829.2	3807.9
7.5°	3765.4	3790.6	3798.6	3830.5	3883.7	3931.5	3967.4	3982.0	3962.1	3931.5
10°	3621.8	3649.8	3677.7	3753.4	3847.8	3960.8	4056.5	4113.6	4109.6	4080.4
12.5°	3330.8	3360.0	3419.8	3567.3	3740.1	3939.5	4117.6	4237.2	4278.4	4257.2
15°	3098.2	3123.4	3168.6	3320.1	3544.8	3847.8	4140.2	4372.8	4477.8	4465.8
17.5°	3091.5	3102.2	3130.1	3201.8	3374.6	3704.2	4116.3	4505.7	4706.4	4705.1
20°	3208.5	3212.5	3228.4	3243.0	3341.4	3595.3	4055.1	4616.0	4962.9	4962.9
22.5°	3370.6	3368.0	3383.9	3370.6	3418.5	3586.0	4016.6	4713.0	5248.7	5269.9
25°	3613.9	3600.6	3596.6	3566.0	3575.3	3672.4	4059.1	4823.4	5587.6	5631.5
27.5°	3938.2	3916.9	3902.3	3831.8	3807.9	3850.5	4189.4	4956.3	5965.1	6040.8
30°	4360.8	4322.3	4301.0	4178.7	4092.4	4099.0	4386.1	5133.0	6359.8	6482.1
32.5°	4937.7	4877.9	4820.7	4620.0	4461.8	4410.0	4639.9	5377.6	6787.8	6983.2
35°	5583.6	5535.8	5474.6	5164.9	4921.7	4802.1	4982.9	5719.2	7288.9	7598.6
37.5°	6205.6	6164.4	6193.7	5776.3	5462.7	5288.6	5432.1	6177.7	7906.9	8364.1
40°	6848.9	6817.0	6821.0	6422.3	6056.8	5861.4	5977.0	6753.2	8615.3	9274.6
42.5°	7548.1	7524.1	7444.4	7090.8	6680.1	6498.1	6604.4	7417.8	9375.6	10311.3
45°	8330.9	8316.3	8241.9	7836.5	7366.0	7161.3	7304.8	8151.5	10139.8	11286.9
47.5°	9007.4	9019.4	9010.1	8668.5	8180.7	7880.3	8051.8	8917.0	10850.9	12204.0
50°	9333.1	9395.5	9487.2	9380.9	9077.9	8772.2	8805.4	9656.0	11528.8	13063.9
52.5°	9162.9	9281.2	9531.1	9701.2	9818.2	9754.4	9665.3	10389.7	12166.7	13840.1
55°	8528.9	8695.1	9109.8	9520.5	10117.2	10581.1	10698.1	11203.1	12788.8	14523.3
57.5°	7373.9	7643.8	8015.9	8846.6	9851.4	10981.2	11902.2	12331.5	13448.0	15252.9
60°	5393.6	5755.1	6217.6	7453.7	8921.0	10767.2	12927.0	14064.7	14385.0	16197.9
62.5°	3451.7	3675.0	4100.3	5264.6	6951.3	9670.7	13240.7	16231.2	15973.3	17747.7
65°	2363.2	2506.7	2896.1	3550.1	4493.7	7198.5	12400.7	17855.4	18496.0	20203.9
67.5°	1717.2	1826.2	2158.5	2731.3	2928.0	4259.8	9622.8	17780.9	20948.2	22734.5
70°	1252.0	1329.1	1608.2	2158.5	2252.9	2369.8	5829.5	15114.7	20895.0	23407.1
72.5°	927.7	980.9	1168.3	1674.7	1823.5	1600.3	2885.5	10985.2	17955.0	21171.5
75°	671.2	711.1	849.3	1281.3	1459.4	1218.8	1439.4	6419.6	12524.3	14892.8
77.5°	513.0	543.6	634.0	938.4	1168.3	914.4	893.2	2953.3	5938.5	5967.7
80°	412.0	432.0	481.1	660.6	895.8	684.5	582.2	1192.2	1876.7	1588.3
82.5°	303.0	336.3	406.7	463.9	640.6	471.8	354.9	602.1	713.7	614.1
85°	172.8	195.4	245.9	332.3	409.4	288.4	203.4	267.2	332.3	272.5
87.5°	61.1	79.7	86.4	130.3	178.1	119.6	78.4	77.1	109.0	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°
3672.4	0°	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4	3672.4
3712.2	2.5°	3698.9	3692.3	3665.7	3629.8	3592.6	3556.7	3544.8	3519.5	3502.2	3492.9
3798.6	5°	3773.4	3752.1	3689.6	3609.9	3526.1	3435.8	3372.0	3313.5	3271.0	3231.1
3916.9	7.5°	3879.7	3842.5	3734.8	3595.3	3446.4	3296.2	3184.6	3099.5	3042.3	3005.1
4055.1	10°	4003.3	3946.1	3781.3	3572.7	3342.7	3127.4	2995.8	2922.7	2886.8	2866.9
4213.3	12.5°	4145.5	4064.4	3829.2	3520.8	3184.6	2938.7	2848.3	2827.0	2828.4	2829.7
4412.7	15°	4321.0	4208.0	3867.7	3407.9	2978.6	2793.8	2777.9	2812.4	2848.3	2865.6
4638.6	17.5°	4519.0	4359.5	3874.4	3221.8	2776.5	2700.8	2751.3	2825.7	2880.2	2904.1
4891.2	20°	4731.7	4513.7	3826.5	2958.6	2610.4	2625.0	2715.4	2811.1	2870.9	2901.5
5179.6	22.5°	4974.9	4678.5	3712.2	2682.2	2474.8	2542.6	2648.9	2742.0	2804.4	2835.0
5518.5	25°	5252.7	4863.2	3532.8	2449.6	2357.9	2449.6	2555.9	2633.0	2683.5	2711.4
5897.3	27.5°	5561.0	5056.0	3293.6	2264.8	2255.5	2353.9	2441.6	2501.4	2528.0	2549.2
6300.0	30°	5870.7	5231.4	3003.8	2125.3	2166.5	2259.5	2322.0	2348.5	2356.5	2360.5
6749.3	32.5°	6205.6	5382.9	2699.4	2009.6	2081.4	2167.8	2205.0	2217.0	2179.8	2154.5
7294.2	35°	6611.0	5545.1	2401.7	1917.9	1997.7	2072.1	2084.1	2073.4	2029.6	1977.7
7977.4	37.5°	7112.1	5747.1	2163.8	1852.8	1919.2	1968.4	1953.8	1951.1	1955.1	1894.0
8798.8	40°	7726.2	6010.3	1989.7	1802.3	1855.4	1866.1	1824.9	1847.5	1867.4	1774.4
9699.9	42.5°	8408.0	6327.9	1879.4	1767.7	1802.3	1777.0	1713.2	1738.5	1735.8	1613.5
10605.0	45°	9103.1	6673.5	1840.8	1742.5	1753.1	1702.6	1632.2	1638.8	1583.0	1472.7
11472.9	47.5°	9794.3	7044.3	1864.8	1721.2	1692.0	1634.8	1580.3	1551.1	1468.7	1386.3
12305.0	50°	10472.1	7433.8	1952.5	1678.7	1608.2	1575.0	1535.1	1483.3	1395.6	1325.1
13091.8	52.5°	11100.8	7825.8	2050.8	1608.2	1503.2	1523.2	1497.9	1438.1	1351.7	1279.9
13836.1	55°	11696.2	8217.9	2089.4	1511.2	1404.9	1478.0	1463.4	1353.0	1249.4	1190.9
14615.0	57.5°	12344.8	8689.8	2046.8	1387.6	1325.1	1426.1	1370.3	1248.0	1188.2	1144.4
15629.1	60°	13243.3	9430.1	1955.1	1234.7	1249.4	1349.1	1253.4	1202.9	1137.7	1088.5
17149.6	62.5°	14735.9	10811.0	1807.6	1083.2	1160.3	1234.7	1197.5	1147.0	1080.6	1032.7
19749.3	65°	16942.3	12730.3	1529.8	964.9	1060.6	1123.1	1137.7	1087.2	1018.1	967.6
22027.5	67.5°	18803.0	13934.5	1157.7	866.6	958.3	1032.7	1073.9	1024.7	951.6	902.5
22560.4	70°	18700.7	13059.9	883.9	769.6	867.9	943.7	996.8	958.3	879.9	833.4
20492.3	72.5°	16610.0	10925.3	715.1	671.2	776.2	850.6	914.4	885.2	805.4	760.3
15012.4	75°	12202.6	7755.4	571.5	571.5	661.9	753.6	824.1	805.4	732.3	700.4
6302.7	77.5°	5143.7	3253.7	447.9	474.5	550.3	647.3	735.0	741.6	677.8	717.7
1666.7	80°	1367.7	897.2	341.6	373.5	432.0	534.3	639.3	636.6	567.5	530.3
619.4	82.5°	521.0	353.5	243.2	263.2	312.3	409.4	506.4	522.3	453.2	392.1
243.2	85°	200.7	151.5	150.2	158.2	182.1	271.1	382.8	396.1	341.6	289.7
67.8	87.5°	51.8	45.2	55.8	53.2	83.7	144.9	219.3	227.3	208.7	120.9
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°
3672.4
3503.6
3247.0
3013.1
2872.2
2832.3
2864.2
2909.4
2909.4
2843.0
2719.4
2557.2
2369.8
2162.5
1980.4
1898.0
1777.0
1612.2
1476.6
1386.3
1319.8
1281.3
1185.6
1140.4
1085.9
1032.7
970.3
903.8
837.3
760.3
691.1
651.3
493.1
392.1
299.1
172.8
0.0

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