

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: P851033

Luminaire Tested: **GLAN-SB8D-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65034 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

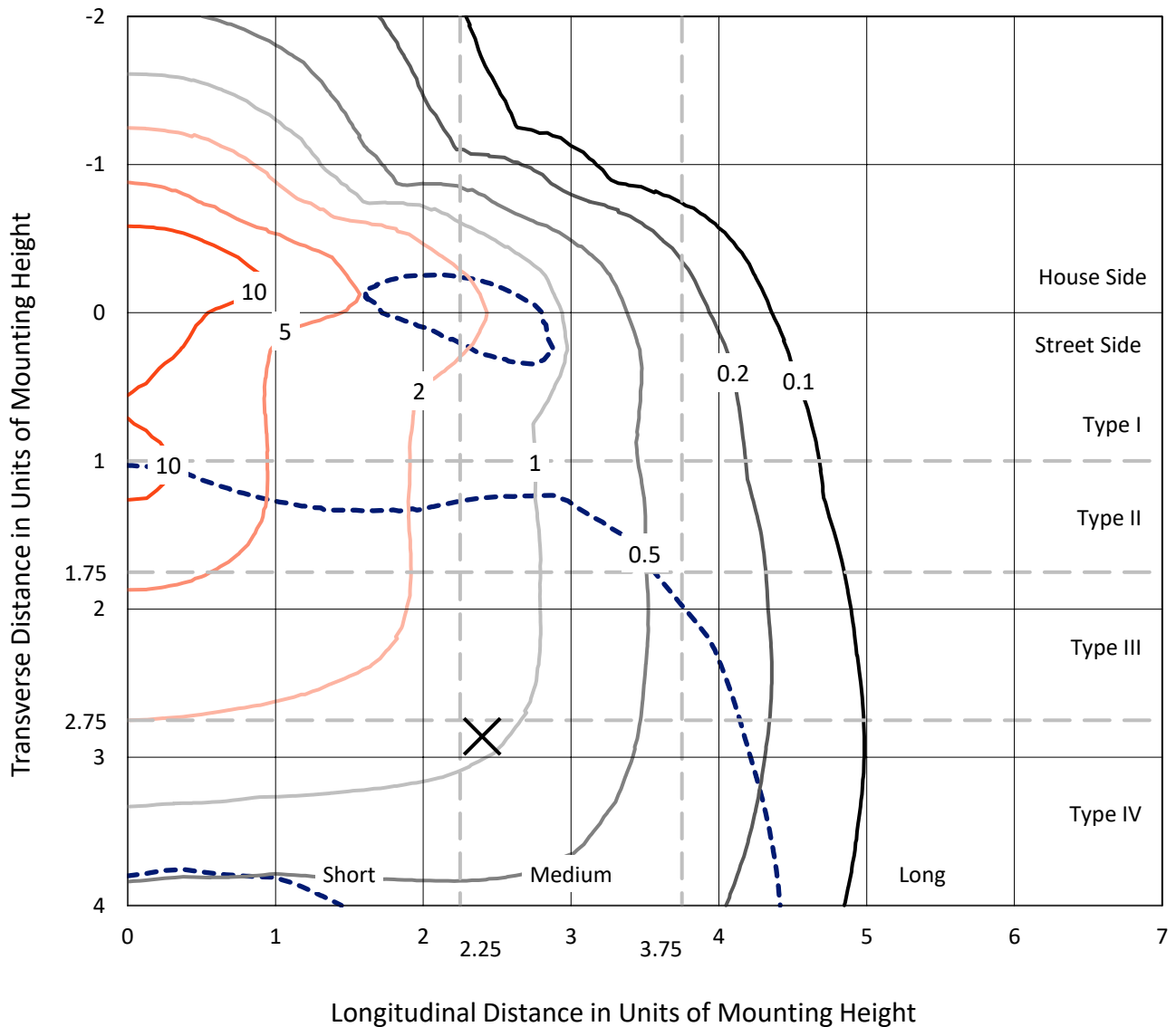
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

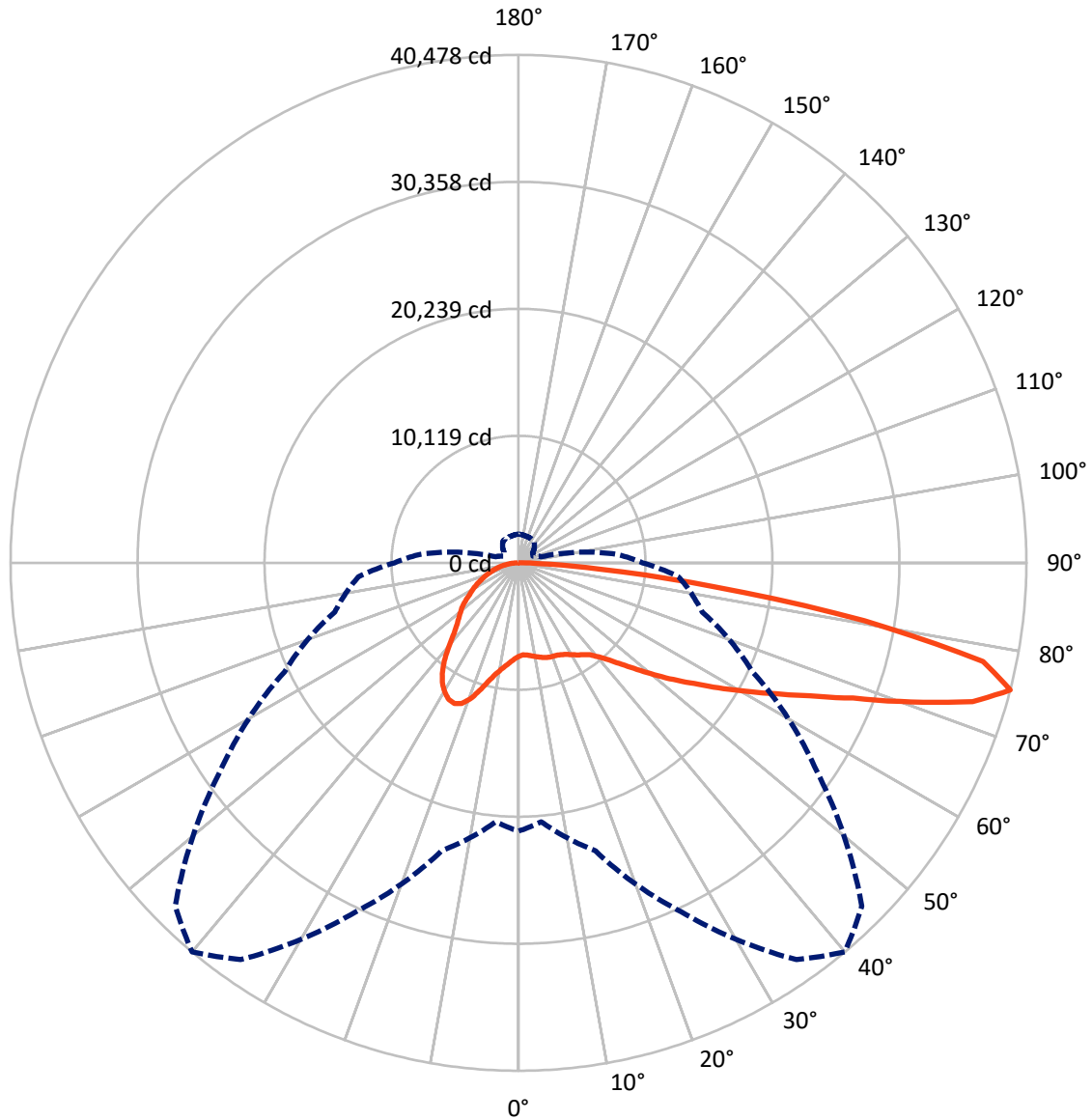
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20149.7	0.0	20149.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	44884.3	0.0	44884.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	65034.0	0.0	65034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.3	1.1
10°-20°	2492.3	3.8
20°-30°	4550.8	7.0
30°-40°	6454.3	9.9
40°-50°	8715.2	13.4
50°-60°	11724.3	18.0
60°-70°	14880.8	22.9
70°-80°	13505.3	20.8
80°-90°	1968.6	3.0
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°	65034.0	100.0
0°-180°	65034.0	100.0

Coefficient of Utilization

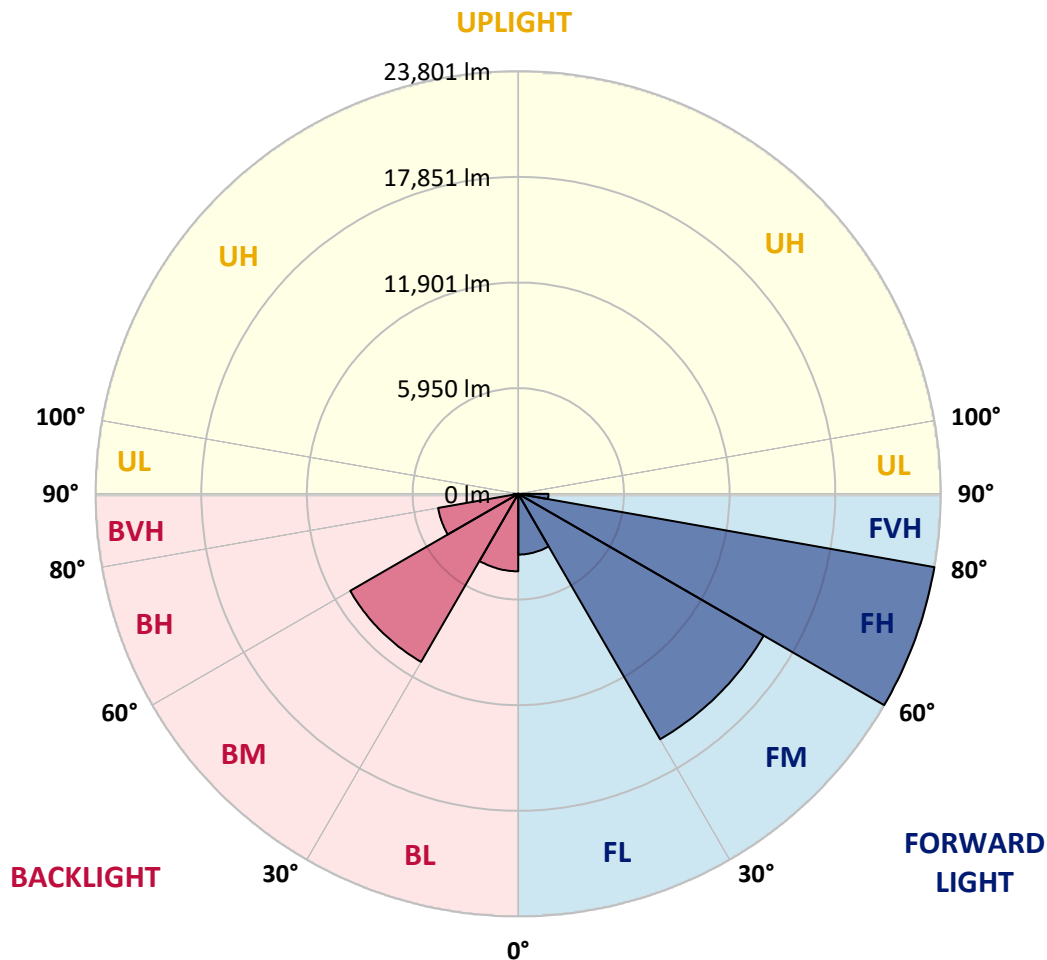


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3420.9	5.3			
FM (30°-60°)	15964.4	24.5			
FH (60°-80°)	23801.4	36.6			G5
FVH (80°-90°)	1697.6	2.6			G5
BL (0°-30°)	4364.6	6.7	B4/5000		
BM (30°-60°)	10929.4	16.8	B5		
BH (60°-80°)	4584.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	271.0	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7
2.5°	7322.9	7364.3	7353.9	7340.1	7340.1	7343.6	7340.1	7364.3	7388.4	7412.6
5°	7398.8	7440.2	7419.5	7402.2	7388.4	7385.0	7374.6	7371.2	7385.0	7416.0
7.5°	7547.1	7588.5	7557.5	7526.4	7498.8	7485.0	7471.2	7450.5	7440.2	7457.4
10°	7712.7	7754.1	7716.1	7660.9	7616.1	7598.8	7585.0	7564.3	7550.6	7560.9
12.5°	7878.2	7919.6	7867.9	7792.0	7733.4	7723.0	7705.8	7698.9	7695.4	7692.0
15°	8033.5	8067.9	8002.4	7912.7	7850.6	7833.4	7816.1	7826.5	7843.7	7864.4
17.5°	8154.2	8188.7	8092.1	7974.8	7916.2	7909.3	7898.9	7933.4	7981.7	8033.5
20°	8264.6	8299.1	8174.9	8016.2	7947.2	7947.2	7950.7	8023.1	8092.1	8168.0
22.5°	8419.8	8447.4	8295.6	8078.3	7978.3	7985.2	8012.8	8085.2	8171.4	8274.9
25°	8650.9	8671.6	8485.3	8195.6	8081.7	8102.4	8126.6	8161.1	8243.9	8364.6
27.5°	9023.4	9040.7	8795.8	8402.5	8230.1	8264.6	8299.1	8274.9	8312.9	8416.3
30°	9547.7	9558.1	9247.6	8726.8	8481.9	8499.1	8506.0	8406.0	8333.5	8416.3
32.5°	10168.6	10165.1	9796.1	9120.0	8768.2	8750.9	8692.3	8495.7	8326.6	8399.1
35°	11130.9	11093.0	10617.0	9671.9	9092.4	8985.5	8847.5	8595.7	8361.1	8381.8
37.5°	12724.5	12607.2	11948.4	10575.6	9575.3	9302.8	9099.3	8757.8	8437.0	8374.9
40°	14521.6	14373.3	13648.9	11813.9	10299.7	9861.6	9533.9	8988.9	8561.2	8406.0
42.5°	16653.3	16442.9	15663.3	13273.0	11217.2	10582.5	10089.2	9282.1	8744.0	8506.0
45°	19271.3	18991.9	17888.2	14918.3	12372.7	11527.6	10868.8	9727.1	9023.4	8699.2
47.5°	21917.0	21985.9	20416.5	16801.6	13759.3	12693.5	11844.9	10396.2	9430.4	9009.6
50°	24728.1	24776.4	22931.1	18888.5	15332.2	14011.1	12941.8	11144.7	9996.1	9451.1
52.5°	26921.9	26928.8	25214.5	21071.9	16970.6	15459.8	14124.9	12000.2	10651.5	10037.5
55°	28294.7	28277.5	26815.0	23138.0	18854.0	16981.0	15435.7	12972.9	11451.7	10727.4
57.5°	29291.6	29239.8	27918.8	24914.4	20861.5	18778.1	16918.9	14076.7	12396.8	11548.3
60°	29671.0	29640.0	28667.3	26449.4	22972.4	20764.9	18629.8	15311.5	13469.6	12517.6
62.5°	29815.9	29874.5	29402.0	27936.0	25231.7	22965.5	20509.6	16787.8	14676.8	13614.4
65°	30326.4	30433.3	30336.7	29881.4	27784.2	25542.2	23003.5	18543.5	15994.5	14790.7
67.5°	31337.0	31444.0	31485.4	32209.7	30902.4	28753.5	26114.8	20730.4	17536.3	16011.7
70°	31312.9	31281.8	32013.1	34062.0	34807.0	33199.7	30309.1	23420.9	19374.8	17025.8
72.5°	28501.7	28253.3	29981.5	34041.3	38056.3	37842.4	35431.4	26890.9	20961.5	17150.0
75°	21382.3	20720.0	23772.7	30678.2	38597.8	40477.7	38687.5	29043.2	20585.5	15152.8
77.5°	9144.1	8478.4	12076.1	22710.3	34544.9	37839.0	35700.4	25338.7	16432.5	10020.3
80°	2393.8	2390.4	3649.4	10296.2	23493.3	27942.9	24514.3	16363.6	9389.0	3580.4
82.5°	990.0	965.8	1341.8	4004.7	11479.3	15680.6	12797.0	7298.8	3390.7	969.3
85°	369.1	365.6	651.9	1383.2	4049.5	6467.5	4680.7	1866.1	845.1	472.6
87.5°	103.5	100.0	141.4	479.5	986.5	1497.0	800.2	307.0	238.0	186.3
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°
7436.7	0°	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7	7436.7
7450.5	2.5°	7460.9	7478.1	7509.2	7533.3	7564.3	7598.8	7647.1	7678.2	7709.2	7729.9
7467.8	5°	7491.9	7529.9	7609.2	7688.5	7781.7	7867.9	7967.9	8040.4	8099.0	8116.2
7529.9	7.5°	7560.9	7623.0	7757.5	7892.0	8040.4	8181.8	8326.6	8450.8	8550.9	8588.8
7640.2	10°	7681.6	7764.4	7954.1	8143.8	8340.4	8557.8	8744.0	8923.4	9064.8	9123.4
7771.3	12.5°	7833.4	7936.9	8185.2	8447.4	8719.9	9020.0	9261.4	9482.2	9658.1	9737.4
7954.1	15°	8030.0	8164.5	8481.9	8833.7	9233.8	9651.2	9958.2	10203.1	10399.7	10496.3
8143.8	17.5°	8243.9	8423.2	8823.3	9354.5	9927.1	10475.6	10834.3	11013.7	11217.2	11310.3
8319.7	20°	8450.8	8671.6	9244.2	10016.8	10779.1	11362.0	11651.8	11700.1	11713.9	11724.2
8485.3	22.5°	8664.7	8961.3	9771.9	10851.5	11669.0	12072.6	12114.0	11907.0	11617.3	11482.8
8647.4	25°	8899.2	9292.5	10461.8	11772.5	12434.8	12483.1	12165.7	11662.1	11113.7	10861.9
8778.5	27.5°	9126.9	9675.3	11289.6	12652.1	12986.7	12562.4	11879.4	11165.4	10503.2	10237.6
8871.6	30°	9354.5	10113.4	12203.7	13421.3	13238.5	12365.8	11427.6	10630.8	9965.1	9685.7
8954.4	32.5°	9585.6	10623.9	13255.7	13976.6	13193.6	11948.4	10865.3	10030.6	9444.2	9151.0
9026.9	35°	9847.8	11251.7	14252.6	14280.2	12893.5	11334.5	10123.7	9313.2	8802.7	8568.1
9113.1	37.5°	10189.3	12048.5	15132.1	14356.1	12369.2	10434.2	9202.8	8464.6	8043.8	7936.9
9240.7	40°	10613.5	13007.4	15804.8	14235.3	11593.1	9340.7	8195.6	7605.7	7367.7	7391.9
9413.2	42.5°	11165.4	14080.1	16277.3	13924.9	10513.5	8212.8	7312.5	7050.4	7164.2	7260.8
9671.9	45°	11882.9	15194.2	16570.5	13397.1	9292.5	7257.4	6791.7	6853.8	6940.0	6950.4
10089.2	47.5°	12800.4	16322.2	16763.7	12600.4	8047.3	6584.7	6460.6	6474.4	6457.1	6384.7
10713.6	50°	13945.6	17419.0	16936.1	11544.9	6988.3	6163.9	5998.4	5950.1	5712.1	5477.5
11544.9	52.5°	15249.4	18426.2	17008.6	10234.1	6163.9	5812.1	5543.1	5239.5	4794.5	4722.1
12590.0	55°	16698.1	19357.6	16822.3	8623.3	5470.6	5360.2	4953.2	4587.6	4539.3	4477.2
13966.3	57.5°	18429.7	20361.3	16442.9	6826.2	4760.1	4832.5	4435.8	4477.2	4391.0	4294.4
15735.8	60°	20323.4	21399.6	15777.2	5187.8	4025.4	4173.7	4301.3	4297.8	4273.7	4194.4
17601.9	62.5°	22027.3	22082.5	14466.4	3973.6	3380.3	3663.2	4011.6	4008.1	3987.4	3942.6
19550.7	65°	23041.4	21979.0	12279.6	3128.5	2849.1	3242.4	3618.3	3645.9	3649.4	3645.9
21016.7	67.5°	22862.1	20768.3	9278.7	2490.4	2411.1	2814.6	3228.6	3266.5	3294.1	3301.0
21202.9	70°	20833.9	18108.9	6050.1	1986.8	2021.3	2438.7	2859.5	2897.4	2921.6	2949.2
18398.6	72.5°	16239.4	13314.4	3463.1	1607.4	1679.8	2114.4	2493.9	2538.7	2552.5	2604.2
12803.9	75°	9896.1	7829.9	1869.5	1265.9	1379.7	1807.4	2131.7	2183.4	2207.6	2269.6
6288.1	77.5°	4704.9	3390.7	1065.8	986.5	1110.7	1476.3	1800.5	1859.2	1793.6	1828.1
1735.0	80°	1590.1	1259.0	672.6	752.0	848.5	1152.1	1441.8	1500.5	1362.5	1355.6
576.0	82.5°	555.3	510.5	427.7	500.2	548.4	824.4	1090.0	1165.9	1014.1	1010.6
258.7	85°	217.3	207.0	238.0	272.5	327.7	507.0	717.5	755.4	624.3	503.6
75.9	87.5°	44.8	48.3	58.6	62.1	100.0	175.9	258.7	317.3	251.8	213.9
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°

7436.7
7716.1
8123.1
8592.2
9126.9
9737.4
10489.4
11306.9
11751.8
11520.7
10899.8
10268.6
9716.7
9189.0
8619.8
8012.8
7474.7
7350.5
7019.4
6439.9
5508.6
4746.3
4487.6
4277.2
4166.8
3925.3
3645.9
3307.9
2963.0
2624.9
2276.5
1800.5
1341.8
962.4
496.7
196.6
0.0

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