

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: P850288

Luminaire Tested: **GLAN-SB7D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56629 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

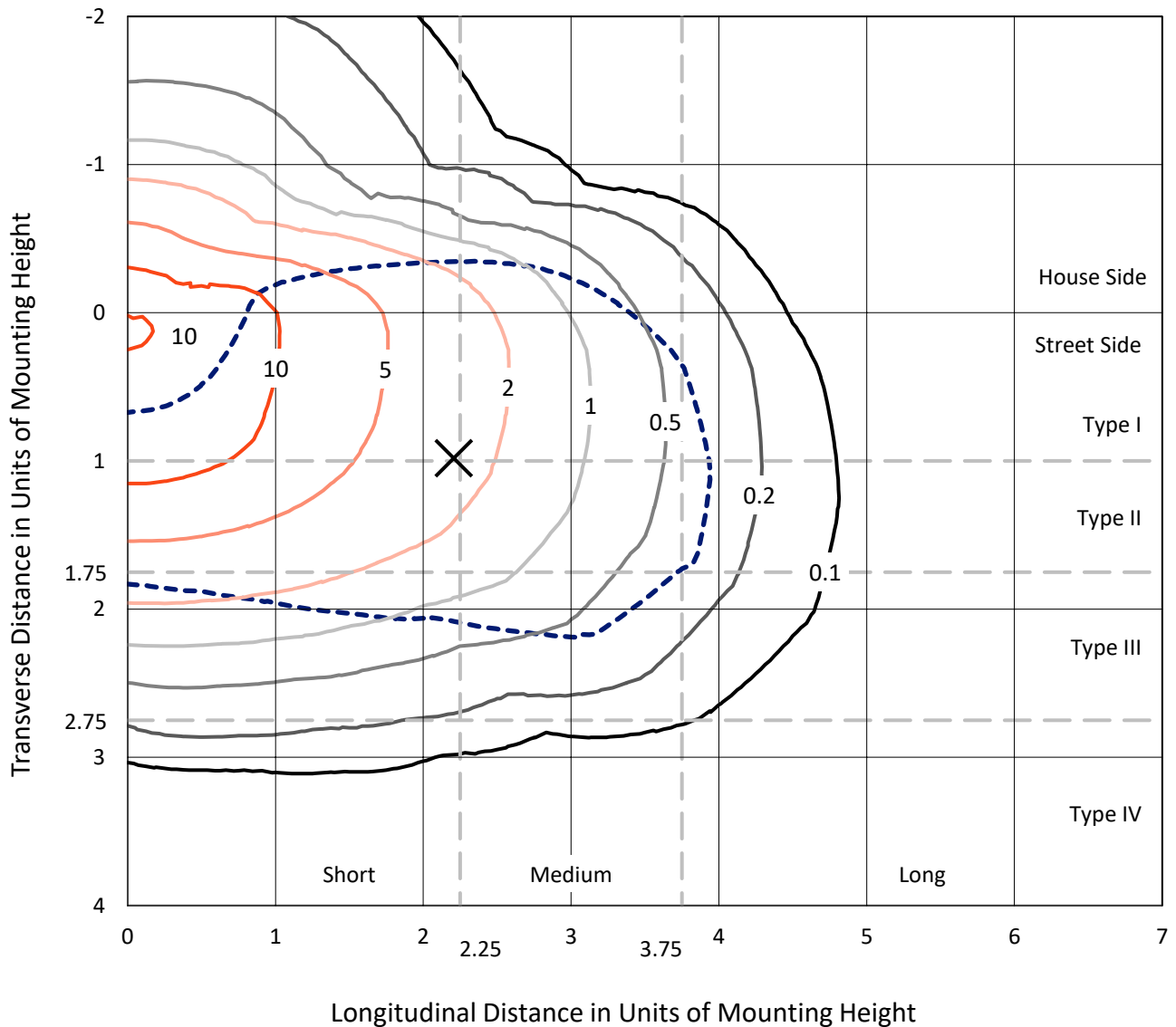
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

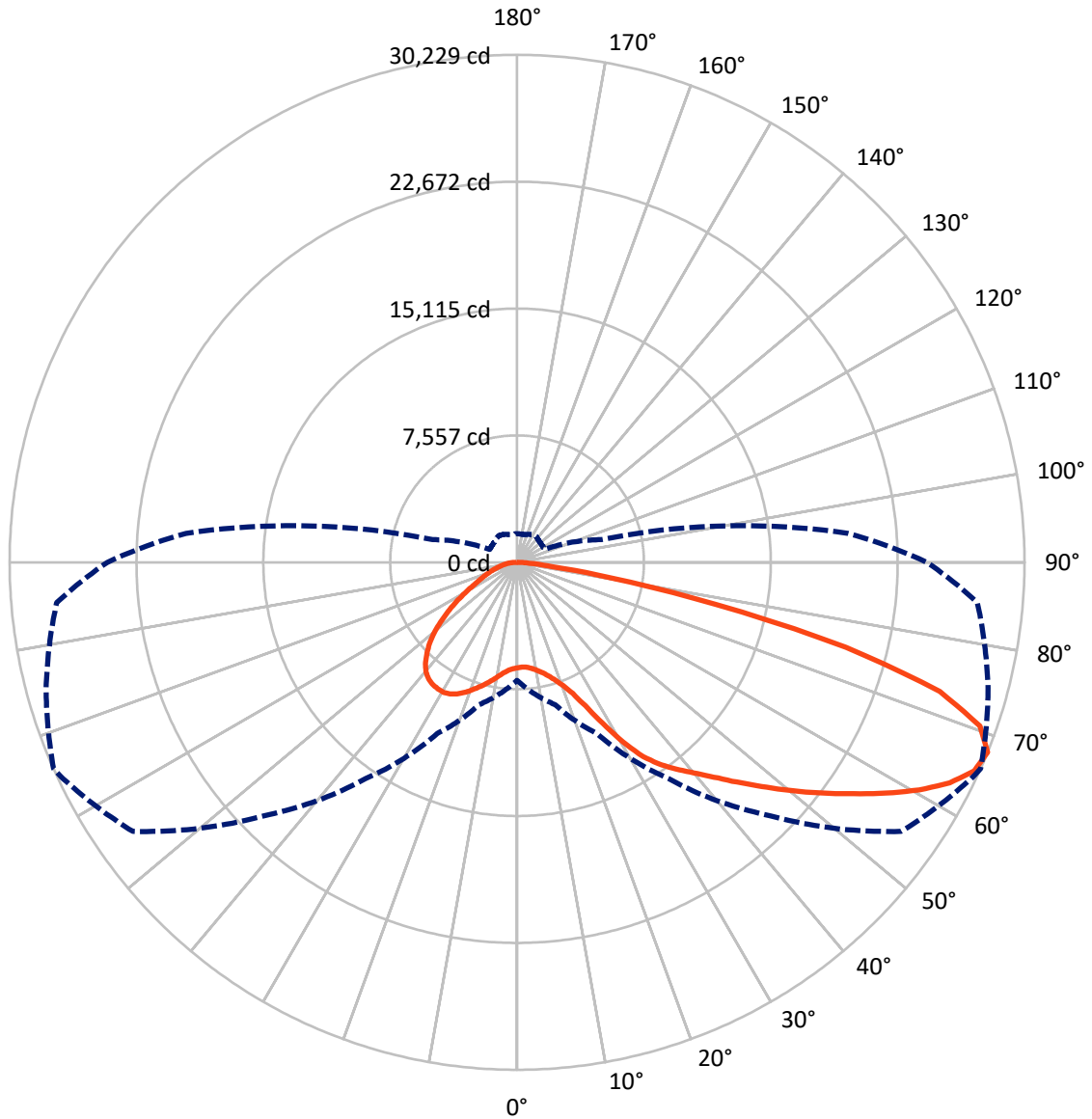
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14080.6	0.0	14080.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	42548.4	0.0	42548.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	56629.0	0.0	56629.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.7	1.1
10°-20°	2057.4	3.6
20°-30°	3965.5	7.0
30°-40°	6953.1	12.3
40°-50°	10336.9	18.3
50°-60°	13103.0	23.1
60°-70°	12821.0	22.6
70°-80°	6115.7	10.8
80°-90°	653.6	1.2
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°	56629.0	100.0
0°-180°	56629.0	100.0

Coefficient of Utilization



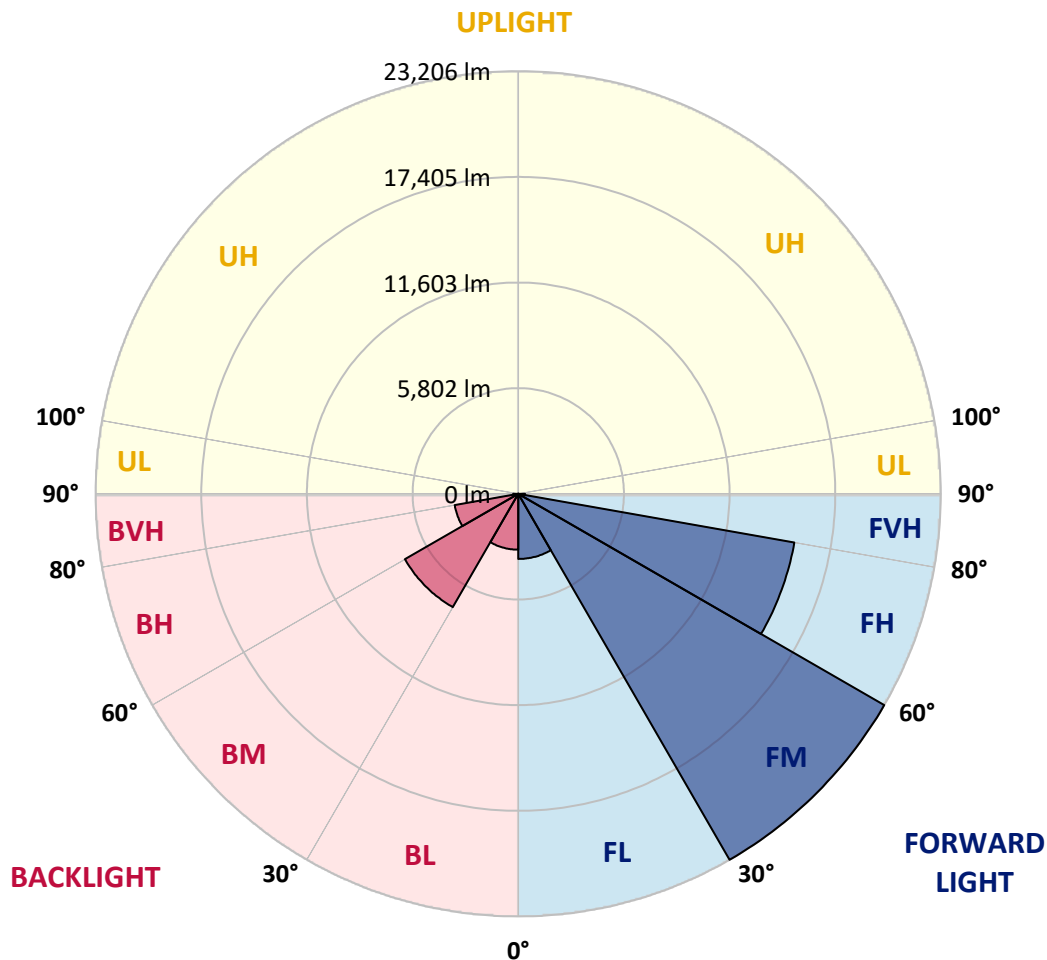
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3578.4	6.3			
FM (30°-60°)	23206.1	41.0			
FH (60°-80°)	15393.3	27.2			G5
FVH (80°-90°)	370.6	0.7			G3/500
BL (0°-30°)	3067.3	5.4	B4/5000		
BM (30°-60°)	7186.9	12.7	B4/8500		
BH (60°-80°)	3543.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	283.0	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9
2.5°	6215.4	6251.2	6242.2	6227.3	6224.4	6230.3	6239.2	6248.2	6245.2	6260.1
5°	6197.6	6233.3	6230.3	6230.3	6242.2	6266.0	6280.9	6295.8	6280.9	6298.8
7.5°	6209.5	6236.3	6248.2	6260.1	6289.8	6334.5	6370.2	6402.9	6385.0	6405.9
10°	6361.2	6382.1	6394.0	6394.0	6414.8	6465.4	6501.1	6560.6	6545.7	6578.4
12.5°	6637.9	6658.8	6658.8	6646.9	6661.7	6694.5	6706.4	6771.8	6745.1	6798.6
15°	6977.1	7018.8	6986.1	6965.2	6971.2	7003.9	7000.9	7051.5	7024.7	7069.4
17.5°	7352.0	7405.6	7352.0	7349.0	7337.1	7372.8	7375.8	7420.5	7372.8	7405.6
20°	7795.3	7869.7	7825.1	7840.0	7813.2	7828.1	7842.9	7908.4	7834.0	7857.8
22.5°	8420.2	8509.4	8461.8	8518.3	8500.5	8488.6	8485.6	8601.7	8485.6	8494.5
25°	9330.6	9437.7	9354.4	9431.8	9431.8	9470.4	9515.1	9663.8	9470.4	9413.9
27.5°	10675.5	10782.6	10618.9	10666.5	10651.7	10746.9	10699.3	11068.2	10859.9	10767.7
30°	12294.0	12484.5	12175.0	12163.1	12148.2	12300.0	12368.4	12612.4	12401.1	12308.9
32.5°	14043.5	14242.9	13873.9	13766.8	13710.3	13802.5	13746.0	13942.4	13796.6	13653.8
35°	15894.2	16090.5	15739.5	15531.2	15305.1	15111.7	14909.3	14959.9	14823.1	14605.9
37.5°	17643.7	18003.7	17631.8	17408.6	16992.1	16614.2	16048.9	15813.8	15685.9	15486.6
40°	19425.9	19631.2	19348.5	19158.1	18705.8	18113.8	17209.3	16712.4	16539.8	16346.4
42.5°	20738.0	20934.4	20782.6	20651.7	20297.6	19610.3	18441.0	17819.2	17569.3	17352.1
45°	21779.4	21925.1	21829.9	21877.5	21725.8	21059.3	19717.5	19006.4	18747.5	18482.7
47.5°	22198.9	22353.6	22505.3	22788.0	23046.8	22555.9	21089.1	20291.7	20018.0	19747.2
50°	22151.3	22309.0	22749.3	23350.3	24153.7	23990.0	22535.1	21660.3	21407.4	21098.0
52.5°	21770.4	21948.9	22514.3	23514.0	24793.4	25064.1	24007.9	23073.6	22835.6	22466.7
55°	20770.7	20877.8	21725.8	23142.1	24945.1	25813.9	25450.9	24579.1	24341.1	23826.4
57.5°	18917.1	19071.8	20306.6	22139.4	24564.3	26322.7	26718.4	26162.0	25932.9	25192.1
60°	16498.2	16745.1	18158.4	20455.3	23594.3	26319.7	27869.8	27718.1	27527.7	26536.9
62.5°	13760.9	14046.5	15406.2	18075.1	21898.4	25572.9	28589.9	29021.3	28923.1	27777.6
65°	10568.3	10764.7	12118.5	14995.6	19259.3	23969.2	28673.2	29910.9	29928.8	28720.8
67.5°	7036.6	7601.9	8777.2	11252.7	15724.6	21347.9	27941.2	30056.7	30229.3	29045.1
70°	3433.5	4177.4	5328.8	7313.3	11252.7	17328.3	26028.1	28860.6	29244.4	28098.9
72.5°	1425.2	1666.2	2294.0	3609.1	6459.4	11693.0	22184.0	25617.5	26328.6	24897.5
75°	961.0	1041.4	1312.1	1850.7	2942.6	5766.2	15998.3	19101.6	20247.1	18804.0
77.5°	740.9	791.4	955.1	1294.3	1749.5	2180.9	8563.0	11511.5	12103.6	11205.1
80°	583.2	621.8	714.1	943.2	1240.7	1166.3	2918.8	5215.7	5557.9	4662.3
82.5°	505.8	520.7	511.8	639.7	824.2	681.3	958.1	1925.0	2124.4	1541.2
85°	366.0	407.6	425.5	395.7	437.4	345.1	392.7	681.3	749.8	669.4
87.5°	148.8	220.2	270.8	255.9	160.7	98.2	122.0	199.3	229.1	249.9
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°
6280.9	0°	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9	6280.9
6283.9	2.5°	6286.9	6307.7	6322.6	6340.4	6352.3	6370.2	6405.9	6426.7	6429.7	6444.5
6331.5	5°	6343.4	6373.1	6405.9	6453.5	6507.0	6551.7	6620.1	6667.7	6685.5	6700.4
6447.5	7.5°	6465.4	6507.0	6566.5	6649.8	6727.2	6786.7	6870.0	6926.5	6983.1	7003.9
6632.0	10°	6646.9	6706.4	6792.7	6905.7	6989.0	7066.4	7152.7	7200.3	7256.8	7280.6
6852.2	12.5°	6873.0	6935.5	7048.5	7206.2	7283.6	7337.1	7366.9	7355.0	7366.9	7387.7
7117.0	15°	7131.8	7200.3	7328.2	7497.8	7551.4	7503.8	7438.3	7378.8	7369.9	7375.8
7438.3	17.5°	7438.3	7488.9	7637.7	7780.5	7741.8	7545.4	7402.6	7307.4	7259.8	7244.9
7848.9	20°	7866.8	7866.8	7988.7	8078.0	7819.1	7485.9	7262.8	7108.0	7009.9	6968.2
8408.3	22.5°	8387.4	8339.8	8417.2	8354.7	7804.3	7319.3	7009.9	6742.1	6593.3	6533.8
9190.8	25°	9048.0	8991.4	8970.6	8583.8	7697.2	7054.5	6551.7	6227.3	6096.4	6063.7
10318.4	27.5°	10044.7	9901.9	9631.1	8708.8	7500.8	6637.9	6016.1	5715.6	5641.2	5644.2
11767.4	30°	11371.7	11086.0	10422.6	8729.6	7179.5	6048.8	5468.6	5254.4	5218.7	5233.6
12984.3	32.5°	12600.5	12329.7	11231.8	8634.4	6685.5	5471.6	4977.7	4834.9	4781.3	4799.2
13912.6	35°	13564.5	13490.1	11981.6	8500.5	6078.6	4930.1	4537.4	4415.4	4311.2	4287.4
14787.3	37.5°	14474.9	14445.2	12544.0	8313.0	5477.6	4546.3	4183.3	4022.6	3870.9	3787.6
15754.3	40°	15474.6	15444.9	12912.9	8024.4	4945.0	4213.1	3864.9	3653.7	3466.2	3314.5
16849.2	42.5°	16599.3	16423.8	13088.4	7610.9	4492.7	3930.4	3606.1	3320.5	3073.5	2933.7
18087.0	45°	17828.1	17432.4	13085.5	7084.2	4111.9	3671.5	3329.4	2924.7	2695.6	2564.7
19357.4	47.5°	19131.3	18396.4	12924.8	6501.1	3743.0	3385.9	2900.9	2591.5	2439.8	2359.4
20738.0	50°	20476.2	19297.9	12651.1	5831.6	3365.1	3061.6	2633.2	2421.9	2305.9	2231.5
22106.6	52.5°	21740.7	20116.2	12320.8	5072.9	2981.3	2746.2	2514.1	2350.5	2228.5	2145.2
23433.6	55°	22915.9	20821.3	11853.7	4296.4	2668.9	2535.0	2457.6	2320.8	2180.9	2082.7
24781.5	57.5°	23960.3	21279.5	11047.4	3567.4	2445.7	2389.2	2398.1	2270.2	2109.5	2026.2
26108.4	60°	24829.1	21615.7	9854.3	2892.0	2264.2	2246.4	2305.9	2175.0	1987.5	1892.3
27230.1	62.5°	25349.7	21609.8	8390.4	2368.4	2109.5	2115.5	2183.9	2055.9	1865.5	1776.3
27816.3	65°	25305.1	21080.2	6783.7	2026.2	1960.7	1966.7	2055.9	1925.0	1764.4	1710.8
27521.7	67.5°	24409.5	19788.9	5203.8	1803.0	1797.1	1823.9	1928.0	1835.8	1701.9	1695.9
25766.3	70°	21984.7	17108.1	3748.9	1624.5	1627.5	1666.2	1803.0	1779.2	1669.2	1681.1
21663.3	72.5°	17628.8	13043.8	2517.1	1437.1	1440.1	1502.5	1684.0	1734.6	1636.4	1794.1
15370.5	75°	11740.6	8134.5	1618.6	1237.7	1240.7	1321.0	1579.9	1648.3	1547.2	1788.2
7997.7	77.5°	5641.2	3656.7	1172.3	1041.4	1041.4	1115.7	1365.7	1475.8	1318.1	1389.5
2570.7	80°	1948.8	1374.6	922.3	839.0	821.2	871.8	1151.4	1279.4	1136.6	1047.3
839.0	82.5°	767.6	714.1	740.9	651.6	592.1	624.8	895.6	1056.2	836.1	755.7
473.1	85°	440.3	464.2	523.7	431.4	342.2	383.8	657.5	758.7	630.8	556.4
154.7	87.5°	119.0	163.6	241.0	223.1	154.7	163.6	312.4	419.5	363.0	279.7
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°
6280.9
6441.6
6697.4
7006.9
7292.5
7393.7
7396.7
7265.7
6959.3
6524.9
6069.7
5653.1
5284.2
4823.0
4305.3
3790.6
3329.4
2942.6
2558.8
2341.6
2204.7
2109.5
2044.0
1972.6
1850.7
1749.5
1707.8
1704.9
1678.1
1817.9
1803.0
1273.4
981.9
752.8
568.3
288.6
0.0

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