

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: P852967

Luminaire Tested: **GLAN-SB7D-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55933 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

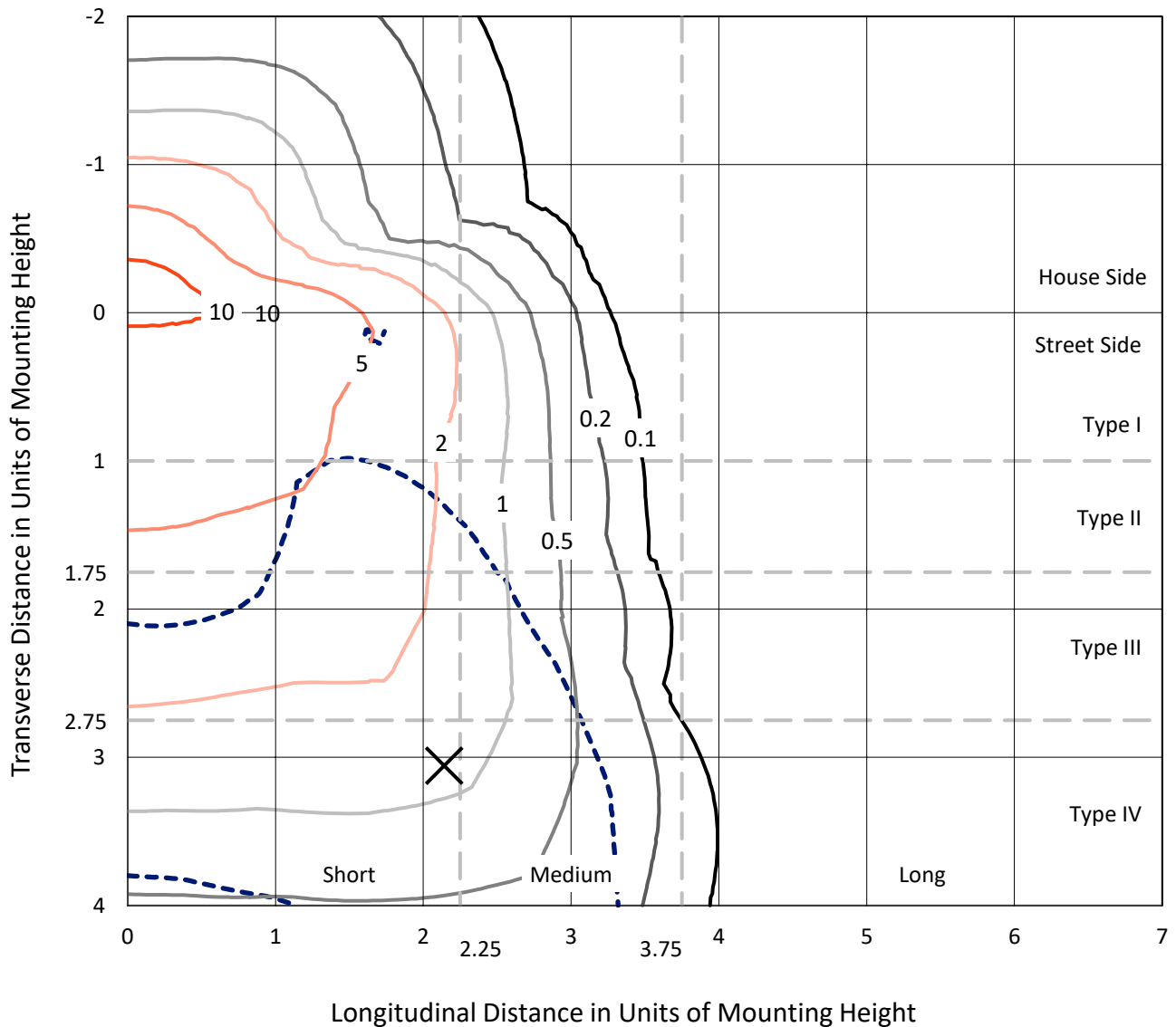
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

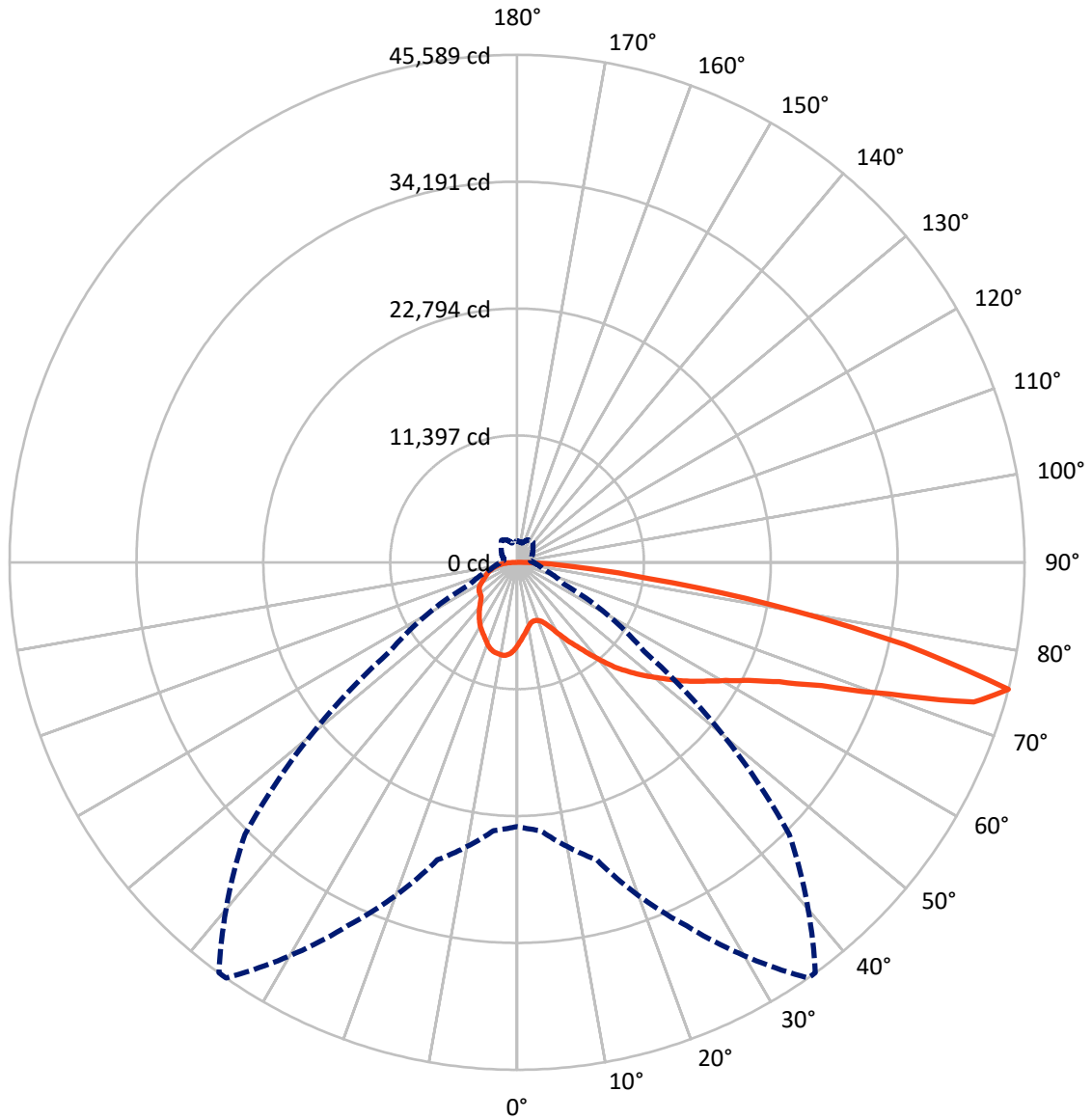
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13310.6	0.0	13310.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	42622.4	0.0	42622.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	55933.0	0.0	55933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.7	1.3
10°-20°	2035.5	3.6
20°-30°	3418.2	6.1
30°-40°	5312.3	9.5
40°-50°	7884.9	14.1
50°-60°	10885.6	19.5
60°-70°	13206.7	23.6
70°-80°	10914.3	19.5
80°-90°	1569.8	2.8
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°	55933.0	100.0
0°-180°	55933.0	100.0

Coefficient of Utilization

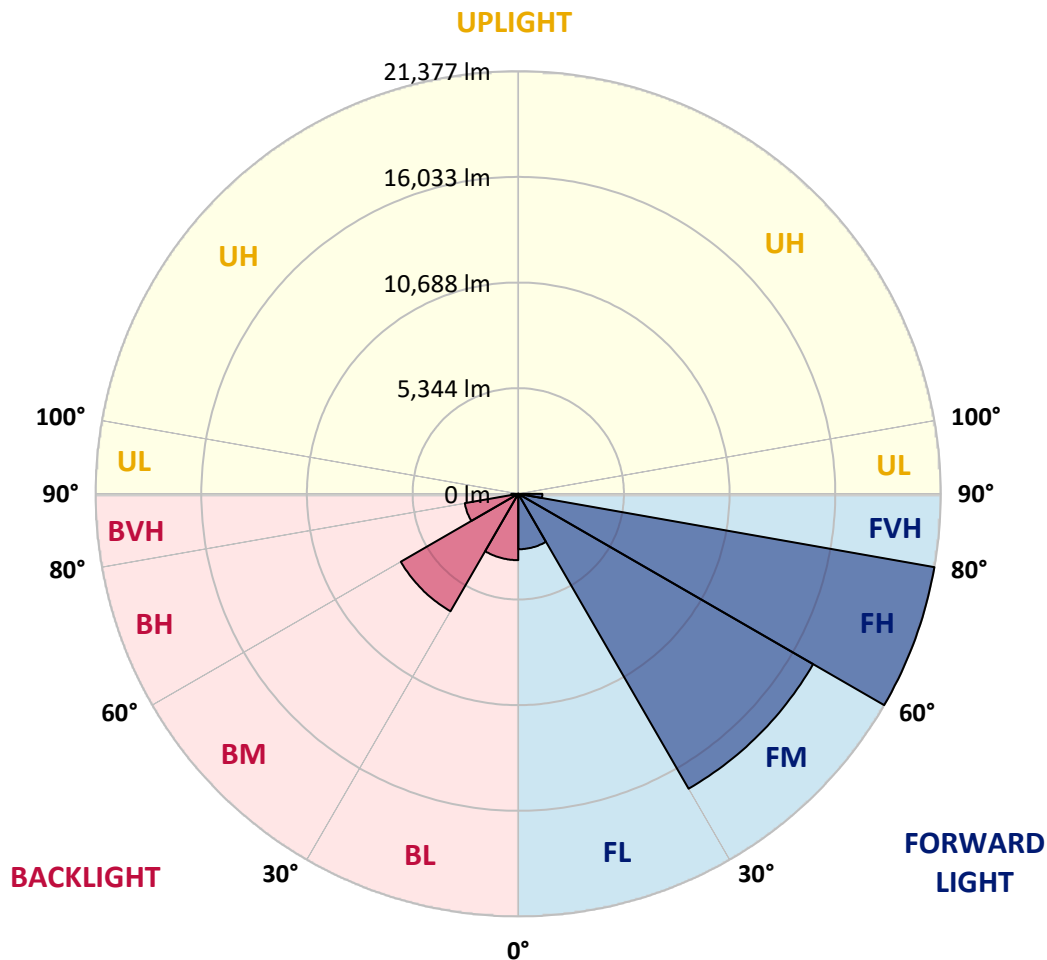


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2804.9	5.0			
FM (30°-60°)	17224.3	30.8			
FH (60°-80°)	21376.8	38.2			G5
FVH (80°-90°)	1216.3	2.2			G5
BL (0°-30°)	3354.5	6.0	B4/5000		
BM (30°-60°)	6858.5	12.3	B4/8500		
BH (60°-80°)	2744.2	4.9	B4/5000		G4/5000
BVH (80°-90°)	353.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5
2.5°	6872.9	6915.2	6933.4	6924.3	6969.7	6963.6	7027.1	7105.7	7214.6	7320.4
5°	6343.7	6389.1	6428.4	6464.7	6552.4	6579.6	6679.4	6830.6	7030.1	7232.7
7.5°	5850.9	5890.2	5950.7	6017.2	6165.3	6192.6	6358.9	6594.7	6872.9	7169.2
10°	5448.7	5488.0	5551.5	5627.1	5811.6	5844.8	6056.5	6371.0	6733.8	7108.7
12.5°	5276.4	5288.5	5324.8	5400.4	5560.6	5581.8	5814.6	6174.4	6597.7	7063.4
15°	5267.3	5291.5	5294.5	5333.8	5466.9	5475.9	5690.6	6047.4	6513.1	7054.3
17.5°	5358.0	5376.2	5348.9	5373.1	5485.0	5500.1	5669.5	5987.0	6485.9	7093.6
20°	5599.9	5615.0	5533.4	5500.1	5581.8	5593.9	5760.2	6026.3	6513.1	7175.3
22.5°	6113.9	6123.0	5923.5	5787.4	5793.4	5799.5	5944.6	6186.5	6618.9	7323.4
25°	6915.2	6909.2	6591.7	6328.6	6177.4	6144.2	6240.9	6446.6	6797.3	7520.0
27.5°	7852.6	7807.2	7489.7	7096.7	6767.1	6718.7	6697.5	6785.2	7051.3	7780.0
30°	8910.9	8868.5	8526.9	8012.8	7556.3	7477.6	7278.1	7232.7	7429.3	8133.8
32.5°	10072.0	10044.8	9636.6	9013.7	8402.9	8312.2	7976.6	7855.6	8009.8	8669.0
35°	11045.6	11021.4	10682.8	10041.7	9294.9	9183.0	8841.3	8705.3	8783.9	9355.4
37.5°	11925.5	11913.4	11623.1	11118.2	10347.1	10211.1	9827.1	9781.7	9766.6	10259.5
40°	12741.9	12711.7	12409.3	12143.2	11571.7	11447.8	11109.1	11069.8	10954.9	11372.2
42.5°	13646.0	13567.4	13129.0	13005.0	12850.8	12748.0	12545.4	12551.4	12297.4	12627.0
45°	14383.8	14338.4	13887.9	13815.3	13981.6	13939.3	14114.7	14160.0	13667.2	13942.3
47.5°	15176.0	15133.7	14752.7	14701.3	15151.8	15163.9	15783.8	15798.9	15003.7	15309.1
50°	16152.7	16092.2	15714.2	15777.7	16282.7	16328.0	17461.9	17359.1	16234.3	16696.9
52.5°	16796.7	16833.0	16751.4	16854.2	17543.6	17585.9	19112.9	18849.8	17452.9	18066.7
55°	17271.4	17344.0	17598.0	17833.9	18874.0	18916.3	20670.1	20267.9	18462.8	19336.6
57.5°	17882.2	17779.4	18254.2	18713.8	20137.9	20249.8	22185.0	21634.7	19357.8	20431.2
60°	18759.1	18686.5	19055.4	19735.8	21553.0	21731.4	23787.5	22865.3	20014.0	21299.0
62.5°	20537.1	20355.6	20413.1	21014.8	23337.0	23572.9	25595.7	23938.7	20340.5	21637.7
65°	23194.9	22883.5	22593.2	23010.4	25849.7	26082.5	27636.7	24782.3	20219.6	20981.5
67.5°	26542.1	26233.7	25876.9	26270.0	29550.7	29735.2	30155.5	25257.1	19267.1	18453.7
70°	29302.8	29187.9	29614.2	31231.9	35462.1	35468.1	33384.8	24864.0	16657.6	13083.6
72.5°	28936.9	28867.4	31114.0	36115.2	42912.5	42752.3	36441.8	21888.7	11221.0	5902.3
75°	23739.2	24189.7	27670.0	36027.5	45588.5	45567.3	34570.1	13915.1	4641.4	2446.2
77.5°	12729.8	13443.4	17963.9	26599.6	35589.1	36124.3	24304.6	4868.2	1992.6	1566.3
80°	4151.6	4774.4	7160.2	13543.2	23125.4	23025.6	10416.7	1911.0	1363.7	1109.7
82.5°	1762.8	1835.4	3199.1	6395.2	11868.1	11683.6	3317.0	1097.6	958.5	759.0
85°	689.4	771.0	1412.1	2957.2	5140.3	5028.4	1197.4	544.3	613.8	495.9
87.5°	226.8	275.2	505.0	1012.9	1599.5	1542.1	293.3	187.5	266.1	226.8
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°
7453.5	0°	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5	7453.5
7474.6	2.5°	7516.9	7565.3	7622.8	7707.4	7780.0	7840.5	7904.0	7943.3	7958.4	8003.8
7486.7	5°	7571.4	7677.2	7819.3	7958.4	8094.5	8176.1	8248.7	8285.0	8318.2	8342.4
7520.0	7.5°	7662.1	7798.2	8021.9	8203.3	8318.2	8384.8	8433.1	8421.0	8433.1	8439.2
7556.3	10°	7740.7	7931.2	8197.3	8369.6	8457.3	8460.3	8448.3	8405.9	8384.8	8387.8
7610.7	12.5°	7834.4	8046.1	8333.4	8478.5	8502.7	8436.2	8384.8	8312.2	8285.0	8272.9
7692.3	15°	7961.4	8203.3	8481.5	8535.9	8475.5	8390.8	8303.1	8185.2	8124.7	8076.3
7831.4	17.5°	8115.6	8381.7	8596.4	8557.1	8427.1	8288.0	8145.9	7967.5	7843.5	7792.1
8021.9	20°	8330.3	8569.2	8684.1	8511.7	8315.2	8103.5	7861.7	7643.9	7529.0	7477.6
8263.8	22.5°	8590.4	8820.2	8768.8	8433.1	8155.0	7816.3	7513.9	7353.7	7296.2	7259.9
8575.2	25°	8901.8	9098.4	8829.2	8318.2	7891.9	7435.3	7202.5	7151.1	7123.9	7096.7
8956.2	27.5°	9307.0	9412.8	8874.6	8148.9	7480.7	7030.1	6945.5	6954.5	6945.5	6900.1
9485.4	30°	9842.2	9821.0	8916.9	7873.7	7009.0	6664.3	6670.3	6709.6	6715.7	6685.4
10223.2	32.5°	10546.7	10332.0	8938.1	7516.9	6558.4	6343.7	6349.8	6392.1	6422.4	6371.0
11187.7	35°	11399.4	10927.7	8904.8	7069.4	6210.7	6038.4	5993.0	6005.1	6014.2	5965.8
12357.9	37.5°	12394.2	11595.9	8756.7	6573.6	5923.5	5739.0	5642.2	5560.6	5512.2	5466.9
13682.3	40°	13485.8	12324.7	8484.5	6089.8	5602.9	5421.5	5276.4	5122.2	4958.9	4898.4
15085.3	42.5°	14628.7	13074.5	8155.0	5627.1	5234.0	5085.9	4931.7	4707.9	4463.0	4339.0
16542.7	45°	15814.0	13842.6	7831.4	5170.5	4856.1	4792.6	4614.2	4345.1	4079.0	3921.8
18003.2	47.5°	16975.1	14568.2	7356.7	4710.9	4502.3	4571.9	4432.8	4184.8	3888.5	3640.5
19451.5	50°	18084.8	15248.6	6579.6	4245.3	4215.1	4505.3	4372.3	4015.5	3676.8	3359.3
20872.7	52.5°	19185.5	15798.9	5584.8	3822.0	4060.8	4487.2	4293.7	3900.6	3486.3	3153.7
22209.2	55°	20119.8	16083.1	4626.3	3459.1	3837.1	4333.0	4199.9	3764.5	3217.2	2863.5
23125.4	57.5°	20652.0	15853.3	3828.0	3102.3	3528.7	4079.0	4039.7	3474.2	2896.7	2624.6
23303.8	60°	20422.2	14922.0	3174.9	2790.9	3235.4	3803.8	3761.5	3187.0	2651.8	2394.8
22348.3	62.5°	19155.2	13147.1	2657.8	2518.8	2969.3	3522.6	3483.3	2966.3	2464.3	2216.4
19811.4	65°	16603.2	10694.9	2255.7	2292.0	2700.2	3184.0	3241.4	2781.8	2316.2	2074.3
15327.2	67.5°	12663.3	7746.8	1941.2	2095.4	2437.1	2851.4	3017.7	2648.8	2192.2	1962.4
8868.5	70°	7217.6	4399.5	1675.1	1904.9	2204.3	2542.9	2845.3	2542.9	2059.1	1868.7
3323.1	72.5°	2736.5	2019.8	1448.4	1714.4	1980.5	2282.9	2654.8	2376.6	1904.9	1762.8
1717.5	75°	1460.5	1230.7	1218.6	1490.7	1723.5	2028.9	2415.9	2213.4	1790.0	1862.6
1188.3	77.5°	994.8	870.8	1019.0	1276.0	1442.3	1747.7	2162.0	1965.4	1551.2	1545.1
822.4	80°	689.4	616.8	828.5	1028.1	1115.7	1469.5	1886.8	1687.2	1263.9	1179.2
508.0	82.5°	414.2	402.2	619.9	768.0	789.2	1133.9	1563.3	1415.1	1034.1	901.1
302.4	85°	226.8	238.9	396.1	450.5	459.6	792.2	1224.6	1094.6	795.2	668.2
108.9	87.5°	63.5	81.6	145.1	178.4	220.7	411.2	728.7	650.1	399.1	278.2
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°
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7453.5
8000.7
8348.5
8448.3
8393.8
8266.8
8091.5
7795.1
7471.6
7266.0
7096.7
6909.2
6700.5
6395.2
5999.0
5497.1
4925.6
4354.1
3909.7
3613.3
3332.1
3117.4
2833.2
2588.3
2358.5
2177.1
2035.0
1926.1
1844.5
1738.6
1923.1
1424.2
1127.8
907.1
674.3
278.2
0.0

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