

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: P851478

Luminaire Tested: **GLAN-SB9C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851478
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-SB9C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53378 lumens
Efficiency: N/A
Efficacy: 118.7 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

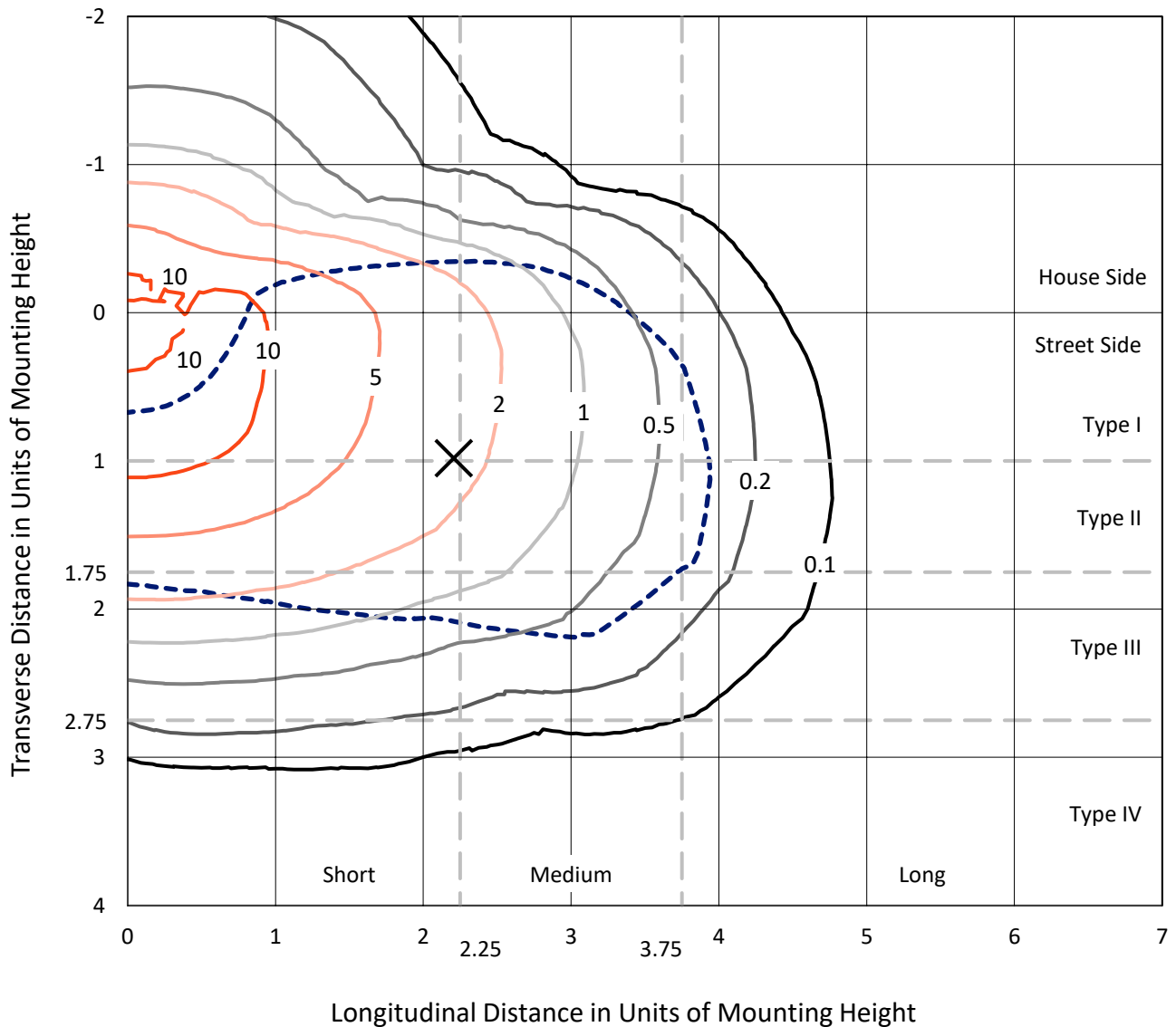
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

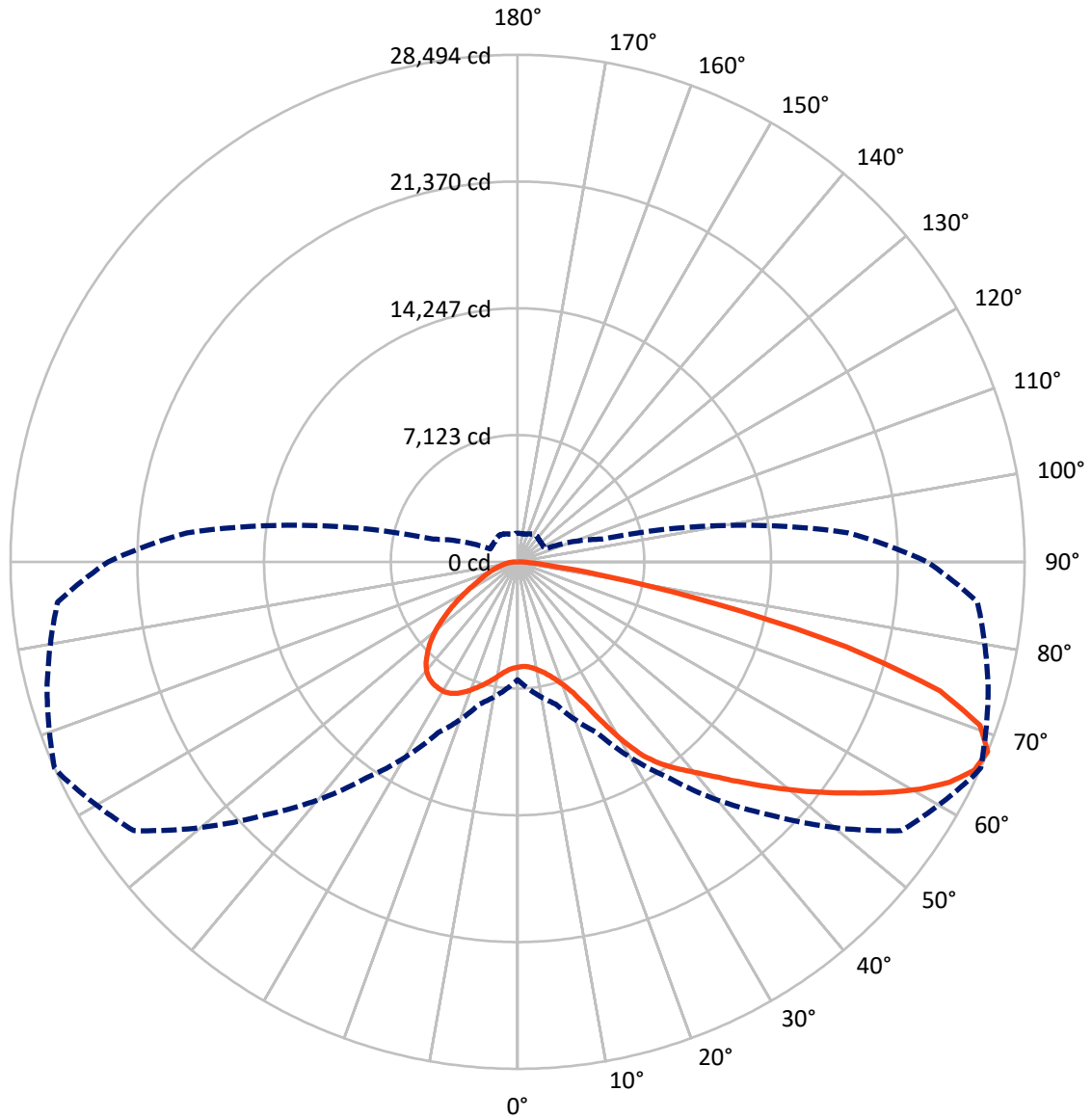
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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	13272.3	0.0	13272.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	40105.7	0.0	40105.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	53378.0	0.0	53378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.0	1.1
10°-20°	1939.3	3.6
20°-30°	3737.9	7.0
30°-40°	6553.9	12.3
40°-50°	9743.5	18.3
50°-60°	12350.8	23.1
60°-70°	12085.0	22.6
70°-80°	5764.6	10.8
80°-90°	616.1	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°	53378.0	100.0
0°-180°	53378.0	100.0

Coefficient of Utilization

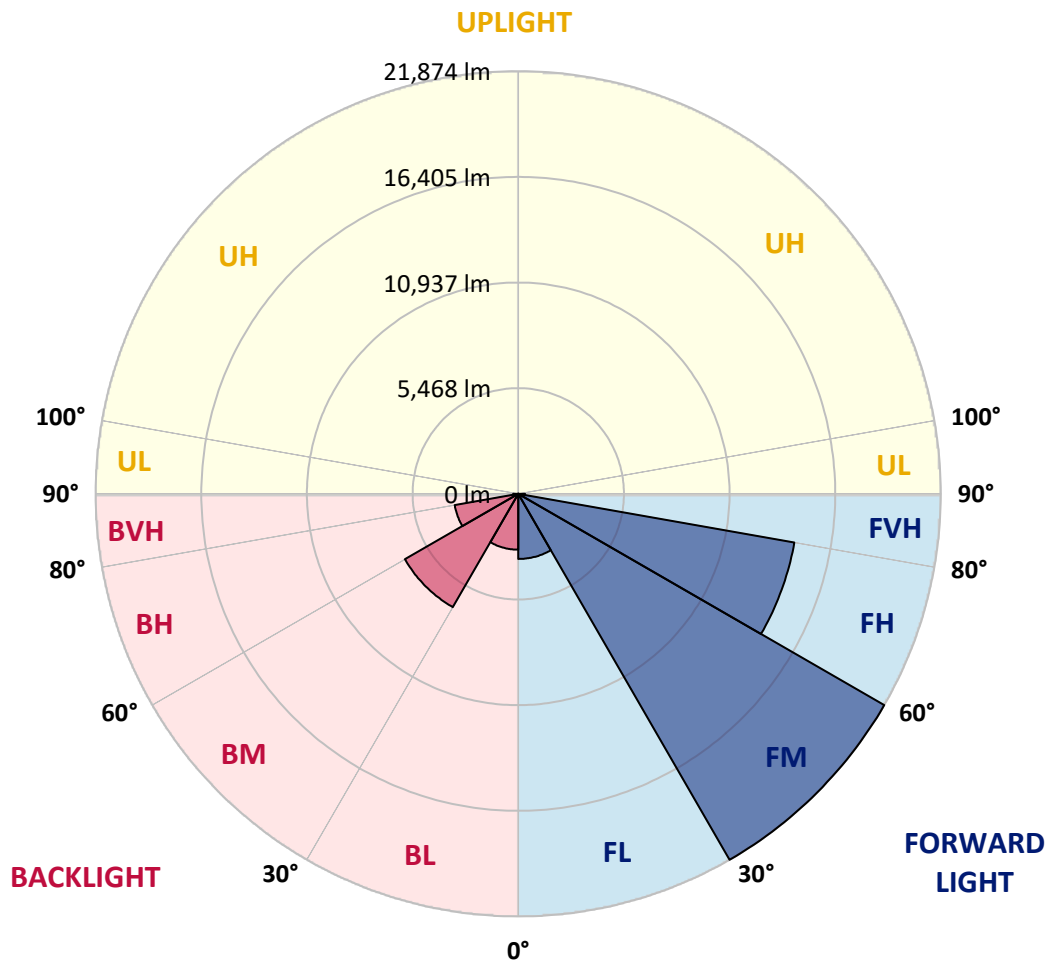


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3373.0	6.3			
FM (30°-60°)	21873.9	41.0			
FH (60°-80°)	14509.6	27.2			G5
FVH (80°-90°)	349.3	0.7			G3/500
BL (0°-30°)	2891.2	5.4	B4/5000		
BM (30°-60°)	6774.3	12.7	B4/8500		
BH (60°-80°)	3340.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	266.8	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°	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3
2.5°	5858.6	5892.3	5883.9	5869.8	5867.0	5872.6	5881.1	5889.5	5886.7	5900.7
5°	5841.8	5875.5	5872.6	5872.6	5883.9	5906.3	5920.3	5934.3	5920.3	5937.2
7.5°	5853.0	5878.3	5889.5	5900.7	5928.7	5970.8	6004.5	6035.3	6018.5	6038.1
10°	5996.0	6015.7	6026.9	6026.9	6046.5	6094.2	6127.9	6183.9	6169.9	6200.8
12.5°	6256.9	6276.5	6276.5	6265.3	6279.3	6310.2	6321.4	6383.1	6357.8	6408.3
15°	6576.6	6615.8	6585.0	6565.4	6571.0	6601.8	6599.0	6646.7	6621.5	6663.5
17.5°	6930.0	6980.4	6930.0	6927.1	6915.9	6949.6	6952.4	6994.5	6949.6	6980.4
20°	7347.8	7417.9	7375.9	7389.9	7364.6	7378.7	7392.7	7454.4	7384.3	7406.7
22.5°	7936.8	8020.9	7976.0	8029.3	8012.5	8001.3	7998.5	8107.8	7998.5	8006.9
25°	8795.0	8895.9	8817.4	8890.3	8890.3	8926.8	8968.8	9109.1	8926.8	8873.5
27.5°	10062.6	10163.6	10009.3	10054.2	10040.2	10129.9	10085.0	10432.8	10236.5	10149.5
30°	11588.2	11767.7	11476.1	11464.8	11450.8	11593.9	11658.4	11888.3	11689.2	11602.3
32.5°	13237.3	13425.2	13077.4	12976.5	12923.2	13010.1	12956.8	13141.9	13004.5	12869.9
35°	14981.7	15166.8	14835.9	14639.6	14426.4	14244.1	14053.4	14101.1	13972.1	13767.4
37.5°	16630.8	16970.1	16619.5	16409.2	16016.6	15660.4	15127.5	14906.0	14785.4	14597.5
40°	18310.7	18504.2	18237.7	18058.3	17632.0	17073.9	16221.3	15752.9	15590.3	15408.0
42.5°	19547.5	19732.5	19589.5	19466.1	19132.4	18484.5	17382.4	16796.2	16560.6	16355.9
45°	20529.0	20666.5	20576.7	20621.6	20478.5	19850.3	18585.5	17915.2	17671.2	17421.6
47.5°	20924.5	21070.3	21213.3	21479.8	21723.8	21261.0	19878.4	19126.8	18868.8	18613.5
50°	20879.6	21028.2	21443.3	22009.8	22767.0	22612.8	21241.4	20416.9	20178.5	19886.8
52.5°	20520.6	20688.9	21221.7	22164.1	23370.0	23625.2	22629.6	21749.0	21524.6	21176.9
55°	19578.3	19679.3	20478.5	21813.5	23513.0	24331.9	23989.8	23168.1	22943.7	22458.5
57.5°	17831.1	17976.9	19140.8	20868.4	23154.1	24811.5	25184.5	24660.1	24444.1	23745.8
60°	15551.0	15783.8	17115.9	19281.0	22239.8	24808.7	26269.9	26126.8	25947.3	25013.4
62.5°	12970.9	13240.1	14521.8	17037.4	20641.2	24104.8	26948.6	27355.2	27262.7	26182.9
65°	9961.6	10146.7	11422.8	14134.7	18153.6	22593.2	27027.1	28193.8	28210.6	27072.0
67.5°	6632.7	7165.5	8273.3	10606.7	14821.8	20122.4	26337.2	28331.2	28493.8	27377.6
70°	3236.4	3937.5	5022.9	6893.5	10606.7	16333.5	24533.9	27203.8	27565.6	26485.8
72.5°	1343.4	1570.5	2162.3	3401.9	6088.6	11021.7	20910.4	24146.9	24817.1	23468.2
75°	905.9	981.6	1236.8	1744.4	2773.7	5435.1	15079.9	18005.0	19084.7	17724.5
77.5°	698.3	746.0	900.2	1220.0	1649.1	2055.7	8071.4	10850.7	11408.8	10561.8
80°	549.7	586.1	673.1	889.0	1169.5	1099.4	2751.2	4916.3	5238.8	4394.7
82.5°	476.8	490.8	482.4	603.0	776.8	642.2	903.1	1814.5	2002.4	1452.7
85°	345.0	384.2	401.0	373.0	412.3	325.3	370.2	642.2	706.7	631.0
87.5°	140.2	207.5	255.2	241.2	151.4	92.5	115.0	187.9	215.9	235.6
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°
5920.3	0°	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3	5920.3
5923.1	2.5°	5925.9	5945.6	5959.6	5976.4	5987.6	6004.5	6038.1	6057.7	6060.6	6074.6
5968.0	5°	5979.2	6007.3	6038.1	6083.0	6133.5	6175.5	6240.0	6284.9	6301.7	6315.8
6077.4	7.5°	6094.2	6133.5	6189.6	6268.1	6341.0	6397.1	6475.6	6528.9	6582.2	6601.8
6251.3	10°	6265.3	6321.4	6402.7	6509.3	6587.8	6660.7	6742.0	6786.9	6840.2	6862.6
6458.8	12.5°	6478.4	6537.3	6643.9	6792.5	6865.4	6915.9	6944.0	6932.8	6944.0	6963.6
6708.4	15°	6722.4	6786.9	6907.5	7067.4	7117.9	7073.0	7011.3	6955.2	6946.8	6952.4
7011.3	17.5°	7011.3	7059.0	7199.2	7333.8	7297.3	7112.2	6977.6	6887.9	6843.0	6829.0
7398.3	20°	7415.1	7415.1	7530.1	7614.3	7370.3	7056.2	6845.8	6700.0	6607.4	6568.2
7925.6	22.5°	7905.9	7861.0	7934.0	7875.1	7356.2	6899.1	6607.4	6355.0	6214.8	6158.7
8663.1	25°	8528.5	8475.2	8455.6	8091.0	7255.3	6649.5	6175.5	5869.8	5746.4	5715.6
9726.0	27.5°	9468.0	9333.4	9078.2	8208.8	7070.2	6256.9	5670.7	5387.5	5317.4	5320.2
11091.8	30°	10718.8	10449.6	9824.2	8228.4	6767.3	5701.6	5154.7	4952.8	4919.1	4933.1
12238.9	32.5°	11877.1	11621.9	10587.0	8138.7	6301.7	5157.5	4691.9	4557.3	4506.9	4523.7
13113.9	35°	12785.8	12715.7	11293.8	8012.5	5729.6	4647.1	4276.9	4161.9	4063.7	4041.3
13938.4	37.5°	13644.0	13615.9	11823.8	7835.8	5163.1	4285.3	3943.1	3791.7	3648.7	3570.1
14849.9	40°	14586.3	14558.2	12171.6	7563.8	4661.1	3971.2	3643.1	3443.9	3267.3	3124.2
15882.0	42.5°	15646.4	15480.9	12337.0	7173.9	4234.8	3704.8	3399.1	3129.8	2897.1	2765.2
17048.6	45°	16804.6	16431.6	12334.2	6677.5	3875.8	3460.8	3138.2	2756.8	2540.9	2417.5
18246.2	47.5°	18033.0	17340.3	12182.8	6127.9	3528.1	3191.5	2734.4	2442.7	2299.7	2224.0
19547.5	50°	19300.7	18190.1	11924.8	5496.8	3171.9	2885.8	2482.0	2282.9	2173.5	2103.4
20837.5	52.5°	20492.6	18961.3	11613.5	4781.7	2810.1	2588.6	2369.8	2215.6	2100.6	2022.1
22088.3	55°	21600.4	19626.0	11173.2	4049.7	2515.6	2389.4	2316.5	2187.5	2055.7	1963.2
23358.8	57.5°	22584.7	20057.9	10413.2	3362.6	2305.3	2252.0	2260.4	2139.8	1988.4	1909.9
24609.6	60°	23403.7	20374.8	9288.5	2726.0	2134.2	2117.4	2173.5	2050.1	1873.4	1783.7
25666.9	62.5°	23894.4	20369.2	7908.7	2232.4	1988.4	1994.0	2058.5	1937.9	1758.4	1674.3
26219.4	65°	23852.4	19870.0	6394.3	1909.9	1848.2	1853.8	1937.9	1814.5	1663.1	1612.6
25941.7	67.5°	23008.2	18652.8	4905.1	1699.5	1693.9	1719.2	1817.3	1730.4	1604.2	1598.6
24287.1	70°	20722.5	16125.9	3533.7	1531.3	1534.1	1570.5	1699.5	1677.1	1573.3	1584.5
20419.7	72.5°	16616.7	12295.0	2372.6	1354.6	1357.4	1416.3	1587.4	1635.0	1542.5	1691.1
14488.1	75°	11066.6	7667.5	1525.7	1166.7	1169.5	1245.2	1489.2	1553.7	1458.3	1685.5
7538.5	77.5°	5317.4	3446.7	1105.0	981.6	981.6	1051.7	1287.3	1391.0	1242.4	1309.7
2423.1	80°	1837.0	1295.7	869.4	790.9	774.0	821.7	1085.3	1205.9	1071.3	987.2
790.9	82.5°	723.6	673.1	698.3	614.2	558.1	588.9	844.2	995.6	788.1	712.3
445.9	85°	415.1	437.5	493.6	406.7	322.5	361.8	619.8	715.2	594.6	524.4
145.8	87.5°	112.2	154.2	227.2	210.3	145.8	154.2	294.5	395.4	342.2	263.6
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°
5920.3
6071.8
6313.0
6604.6
6873.9
6969.2
6972.0
6848.6
6559.8
6150.3
5721.2
5328.6
4980.8
4546.1
4058.1
3572.9
3138.2
2773.7
2411.9
2207.2
2078.1
1988.4
1926.7
1859.4
1744.4
1649.1
1609.8
1607.0
1581.7
1713.6
1699.5
1200.3
925.5
709.5
535.7
272.0
0.0

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