

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: P853208

Luminaire Tested: **GLAN-SB9C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49890 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

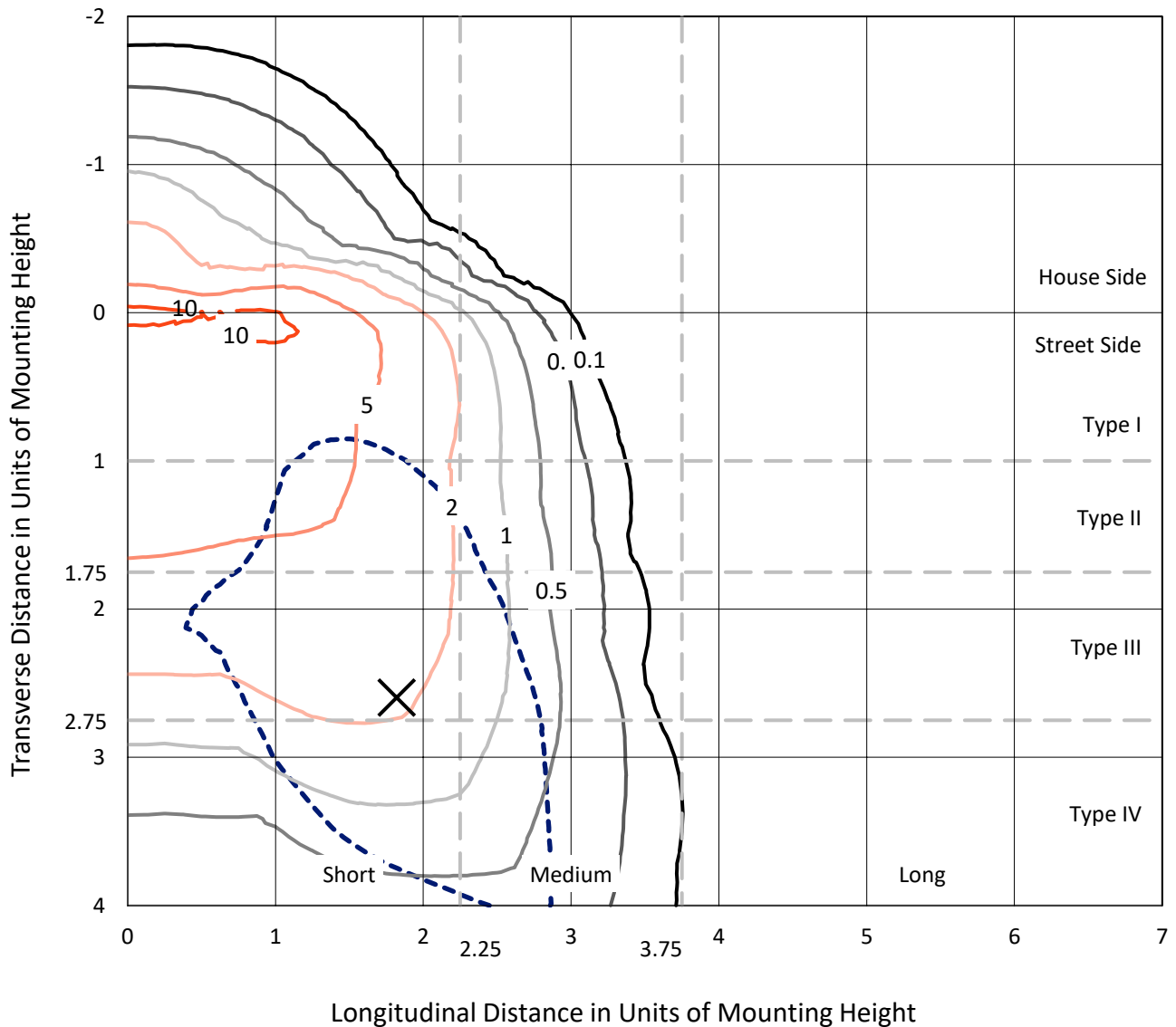
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

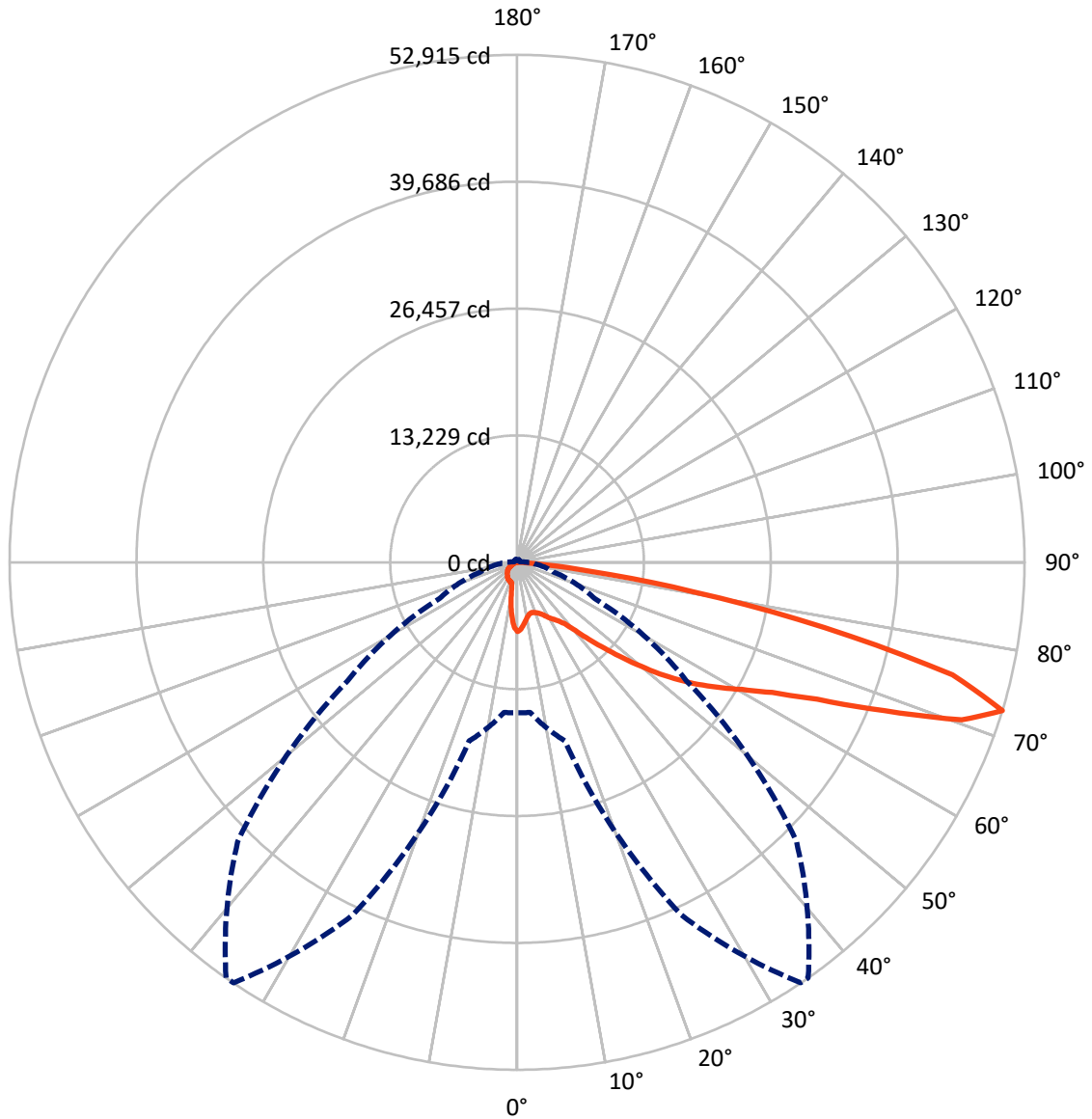
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5614.9	0.0	5614.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	44275.1	0.0	44275.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	49890.0	0.0	49890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.2	1.2
10°-20°	1390.0	2.8
20°-30°	2258.0	4.5
30°-40°	3767.5	7.6
40°-50°	7128.2	14.3
50°-60°	11326.6	22.7
60°-70°	14011.8	28.1
70°-80°	8709.8	17.5
80°-90°	703.9	1.4
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°	49890.0	100.0
0°-180°	49890.0	100.0

Coefficient of Utilization

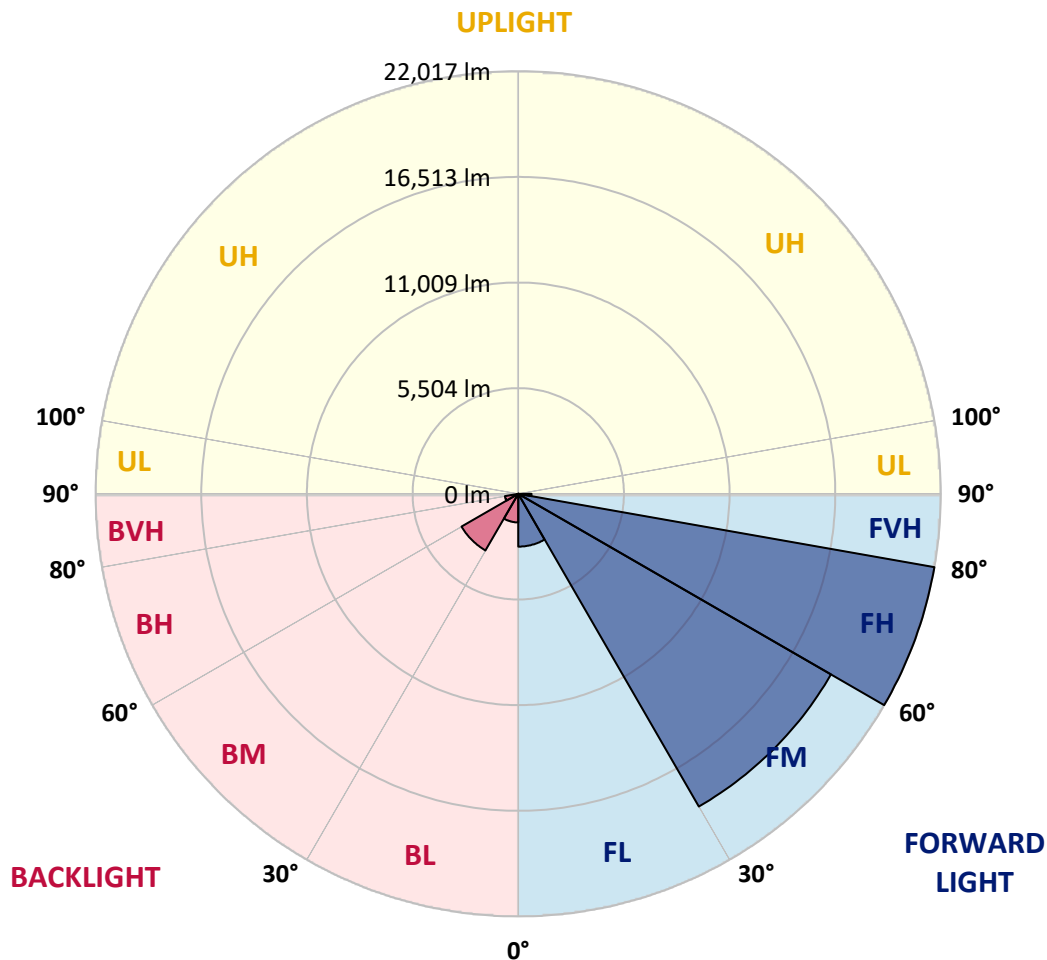


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2750.2	5.5			
FM	(30°-60°)	18813.5	37.7			
FH	(60°-80°)	22017.1	44.1			G5
FVH	(80°-90°)	694.3	1.4			G4/750
BL	(0°-30°)	1492.0	3.0	B3/2500		
BM	(30°-60°)	3408.7	6.8	B3/5000		
BH	(60°-80°)	704.6	1.4	B2/1000		G2/1000
BVH	(80°-90°)	9.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7
2.5°	6909.0	6967.5	6978.5	6996.8	6996.8	7018.7	7055.3	7106.4	7190.5	7234.4
5°	6368.0	6411.9	6466.7	6510.6	6594.7	6605.6	6748.2	6887.1	7080.9	7227.1
7.5°	5823.3	5874.5	5947.6	6053.6	6163.3	6196.2	6411.9	6645.8	6952.9	7227.1
10°	5439.5	5443.2	5509.0	5615.0	5790.4	5830.6	6093.8	6426.5	6810.3	7183.2
12.5°	5223.8	5249.4	5278.7	5359.1	5527.2	5552.8	5834.3	6225.4	6667.8	7157.6
15°	5223.8	5242.1	5260.4	5300.6	5435.8	5457.8	5706.4	6097.5	6594.7	7168.6
17.5°	5278.7	5307.9	5293.3	5340.8	5483.4	5498.0	5717.3	6060.9	6591.0	7238.0
20°	5410.3	5432.2	5402.9	5432.2	5574.8	5604.0	5830.6	6130.4	6653.2	7358.7
22.5°	5618.6	5629.6	5560.1	5582.1	5728.3	5764.8	6028.0	6327.8	6803.0	7552.4
25°	5881.8	5903.8	5797.7	5823.3	5962.2	6006.1	6309.5	6623.9	7040.6	7819.3
27.5°	6185.2	6196.2	6104.8	6101.2	6280.3	6342.4	6649.5	6989.5	7358.7	8155.6
30°	6532.5	6565.4	6477.7	6463.1	6689.7	6740.9	7044.3	7439.1	7826.6	8660.1
32.5°	6806.7	6832.3	6781.1	6817.7	7048.0	7088.2	7523.2	8075.2	8561.4	9376.6
35°	7201.5	7216.1	7099.1	7164.9	7428.1	7530.5	8177.5	8967.1	9486.2	10275.8
37.5°	8630.8	8630.8	8133.7	7808.3	8060.5	8151.9	9073.1	10089.4	10626.8	11482.2
40°	10608.5	10575.6	9848.1	9182.8	9149.9	9329.0	10348.9	11504.1	12100.0	12929.8
42.5°	12717.8	12666.6	11675.9	11017.9	10908.2	10970.4	11822.1	13247.8	13854.6	14695.4
45°	14589.4	14574.8	13668.2	12783.6	12586.2	12783.6	13660.9	15287.6	15722.6	16607.3
47.5°	16157.7	16157.7	15496.0	14918.4	14816.1	14933.0	16150.3	17550.4	17510.2	18643.4
50°	17963.5	17948.9	17320.1	17071.6	17177.6	17342.1	19016.3	19933.9	19359.9	20643.1
52.5°	19228.3	19316.1	19100.4	19060.2	19601.2	19886.3	21926.2	22266.1	21015.9	22540.3
55°	20230.0	20332.3	20580.9	20862.4	21904.2	22277.1	24744.6	24477.8	22401.4	24185.3
57.5°	21648.3	21502.1	21885.9	22441.6	24126.8	24576.5	27475.3	26565.1	23516.3	25519.6
60°	23370.1	23392.0	23457.8	24159.7	26345.8	26923.3	30165.8	28539.1	24232.8	26338.4
62.5°	25439.2	25472.1	25607.3	26685.7	29325.0	29869.7	33031.8	30154.9	24561.8	26108.1
65°	25296.6	25435.5	26945.3	30633.7	33854.3	34391.7	36376.7	31288.1	24064.7	24002.5
67.5°	23044.8	23271.4	25797.4	35349.4	40682.9	41282.4	40419.7	31511.1	21918.8	18665.4
70°	20091.1	20171.5	23209.3	39589.9	48589.9	49196.8	44038.8	29058.2	16632.9	10411.1
72.5°	15689.7	15708.0	19272.2	40573.3	52881.6	52914.5	41198.4	21571.6	8945.2	3999.2
75°	11208.0	11098.3	12907.8	32903.9	46524.5	46897.4	30886.0	10118.6	3418.0	1889.9
77.5°	6009.8	6130.4	7303.8	19513.5	32139.8	32775.9	16852.2	2917.2	1740.1	1286.8
80°	1857.0	1959.4	2993.9	8934.2	18204.8	18588.6	6247.4	1297.7	1213.7	917.6
82.5°	584.9	606.8	1396.4	3754.3	7556.1	7731.5	1809.5	734.8	829.8	606.8
85°	168.2	171.8	621.4	1400.1	1868.0	1904.6	508.1	285.1	475.2	376.5
87.5°	18.3	58.5	234.0	234.0	164.5	160.8	54.8	62.1	135.3	47.5
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°
7230.7	0°	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7	7230.7
7263.6	2.5°	7245.4	7249.0	7201.5	7121.1	7033.3	6960.2	6868.8	6795.7	6744.5	6729.9
7329.4	5°	7296.5	7270.9	7135.7	6890.8	6598.3	6346.1	6064.6	5841.6	5695.4	5633.2
7398.9	7.5°	7373.3	7300.2	7004.1	6521.6	5962.2	5465.1	4960.6	4569.5	4320.9	4196.6
7464.7	10°	7439.1	7292.9	6784.8	5987.8	5132.4	4379.4	3699.4	3227.9	2964.7	2840.4
7541.5	12.5°	7501.2	7289.2	6499.6	5355.4	4196.6	3275.4	2643.0	2409.0	2335.9	2310.3
7665.7	15°	7618.2	7300.2	6141.4	4631.6	3264.4	2474.8	2244.5	2240.9	2255.5	2248.2
7855.8	17.5°	7779.1	7311.2	5735.6	3863.9	2518.7	2182.4	2171.4	2204.3	2226.2	2215.3
8093.5	20°	7987.4	7355.0	5304.2	3103.6	2164.1	2109.3	2134.9	2164.1	2182.4	2164.1
8411.5	22.5°	8279.9	7431.8	4832.7	2493.1	2050.8	2065.4	2087.3	2120.2	2138.5	2112.9
8817.3	25°	8638.1	7552.4	4368.4	2167.8	1995.9	2014.2	2047.1	2083.7	2105.6	2080.0
9329.0	27.5°	9102.4	7746.2	3940.7	2094.6	1941.1	1952.1	1999.6	2054.4	2083.7	2050.8
10056.5	30°	9775.0	8064.2	3571.5	2127.5	1908.2	1882.6	1948.4	2025.2	2058.1	2028.8
11047.2	32.5°	10667.0	8513.8	3344.9	2178.7	1893.6	1802.2	1864.3	1963.0	2017.9	1999.6
12341.2	35°	11836.8	9197.4	3257.1	2237.2	1882.6	1718.1	1762.0	1868.0	1963.0	1981.3
13971.6	37.5°	13255.1	10147.9	3282.7	2262.8	1849.7	1648.7	1670.6	1762.0	1886.3	1944.8
15806.7	40°	14867.2	11255.5	3428.9	2237.2	1813.2	1590.2	1593.8	1663.3	1773.0	1860.7
17780.7	42.5°	16530.5	12549.6	3699.4	2142.2	1780.3	1539.0	1528.0	1575.6	1648.7	1710.8
19751.1	45°	18113.4	13880.2	3966.3	2010.6	1740.1	1487.8	1462.2	1480.5	1495.1	1520.7
21670.3	47.5°	19495.2	14816.1	3889.5	1889.9	1685.2	1429.3	1385.5	1378.2	1334.3	1330.6
23384.7	50°	20449.3	15020.8	3454.5	1769.3	1604.8	1363.5	1294.1	1250.2	1173.4	1136.9
24667.8	52.5°	20752.7	14212.9	2822.1	1648.7	1473.2	1275.8	1177.1	1107.6	1012.6	979.7
25406.3	55°	20350.6	12630.0	2255.5	1502.4	1290.4	1158.8	1049.2	957.8	881.0	840.8
25486.7	57.5°	19367.3	10615.8	1783.9	1330.6	1096.7	1027.2	917.6	826.2	760.4	720.1
24594.7	60°	17736.9	8429.8	1411.1	1125.9	935.8	884.6	771.3	712.8	654.3	606.8
22291.7	62.5°	15262.0	6017.1	1107.6	892.0	782.3	723.8	658.0	614.1	544.7	478.9
18149.9	65°	11909.9	3681.2	855.4	654.3	628.8	599.5	559.3	519.1	435.0	369.2
11840.4	67.5°	7512.2	1743.7	610.5	493.5	497.2	482.5	464.3	431.4	369.2	310.7
5304.2	70°	3308.3	844.4	402.1	376.5	369.2	369.2	383.8	372.9	314.4	259.5
1842.4	72.5°	1125.9	453.3	299.8	285.1	266.9	263.2	321.7	310.7	252.2	201.1
917.6	75°	588.5	303.4	219.3	204.7	160.8	193.7	255.9	241.3	179.1	131.6
606.8	77.5°	383.8	215.7	149.9	131.6	91.4	127.9	190.1	168.2	106.0	65.8
398.5	80°	241.3	142.6	87.7	62.1	43.9	69.5	102.4	73.1	40.2	14.6
234.0	82.5°	127.9	73.1	32.9	21.9	18.3	21.9	25.6	18.3	7.3	0.0
120.6	85°	51.2	25.6	11.0	7.3	3.7	0.0	7.3	3.7	0.0	0.0
21.9	87.5°	18.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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7230.7
6755.5
5655.2
4214.9
2844.0
2303.0
2244.5
2211.6
2160.4
2109.3
2076.4
2050.8
2025.2
1999.6
1981.3
1959.4
1889.9
1736.4
1535.3
1327.0
1140.5
976.0
840.8
712.8
595.9
467.9
358.2
303.4
248.6
190.1
120.6
58.5
11.0
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