

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: P853073

Luminaire Tested: **GLAN-SB8C-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853073
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-SB8C-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57817 lumens
Efficiency: N/A
Efficacy: 144.6 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

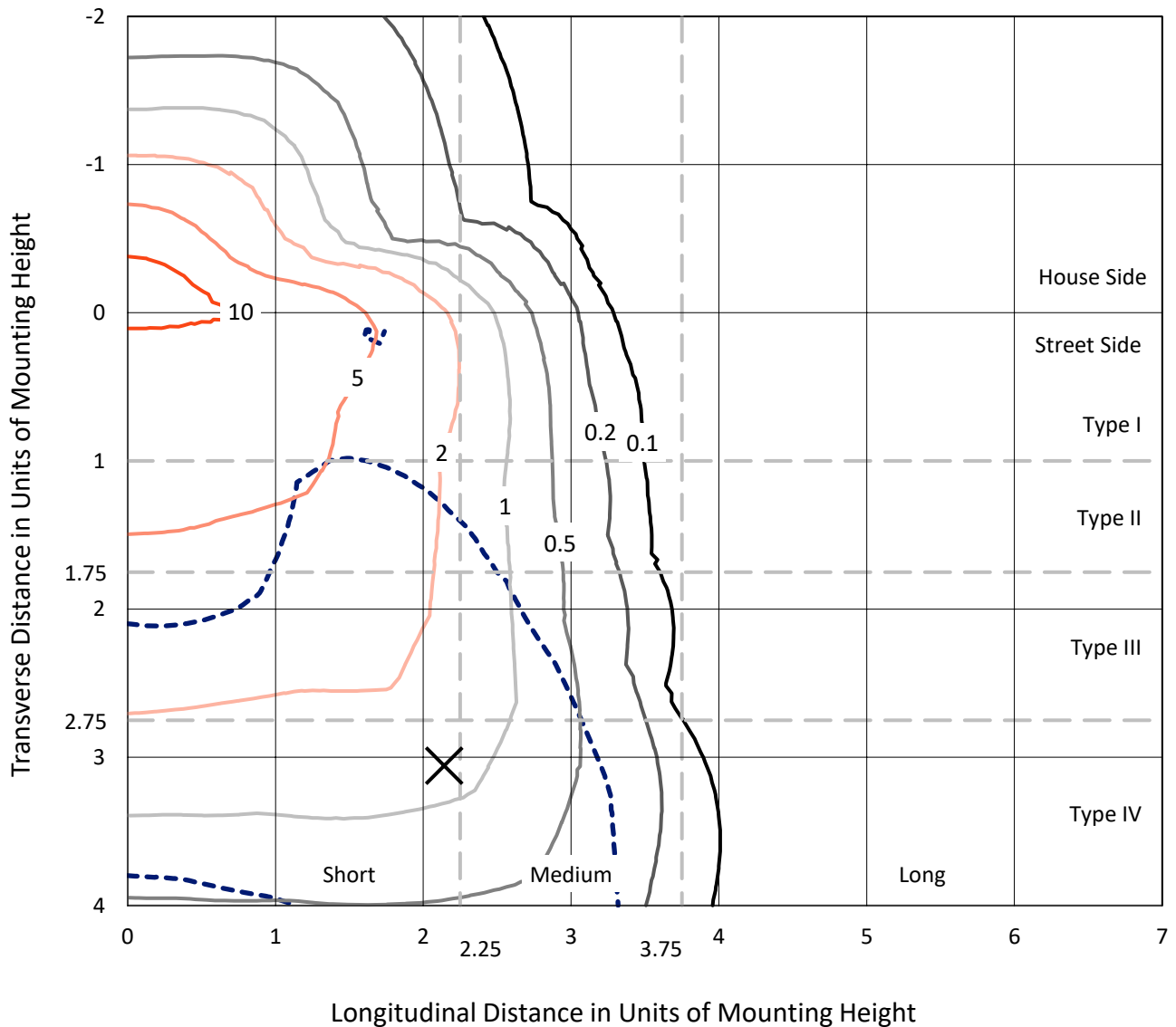
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

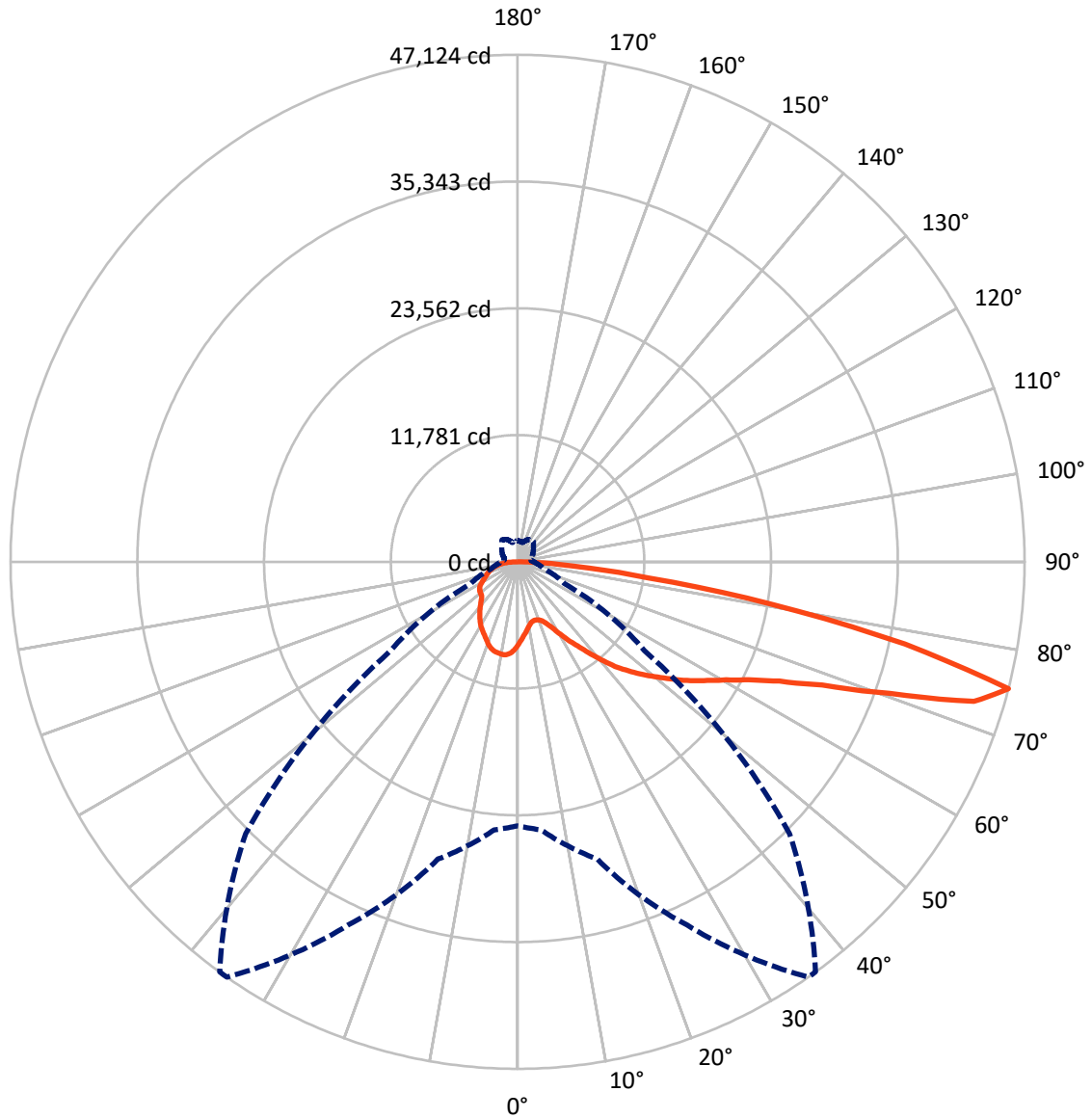
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	13759.0	0.0	13759.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	44058.0	0.0	44058.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	57817.0	0.0	57817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.5	1.3
10°-20°	2104.1	3.6
20°-30°	3533.3	6.1
30°-40°	5491.3	9.5
40°-50°	8150.5	14.1
50°-60°	11252.2	19.5
60°-70°	13651.5	23.6
70°-80°	11281.9	19.5
80°-90°	1622.7	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°	57817.0	100.0
0°-180°	57817.0	100.0

Coefficient of Utilization

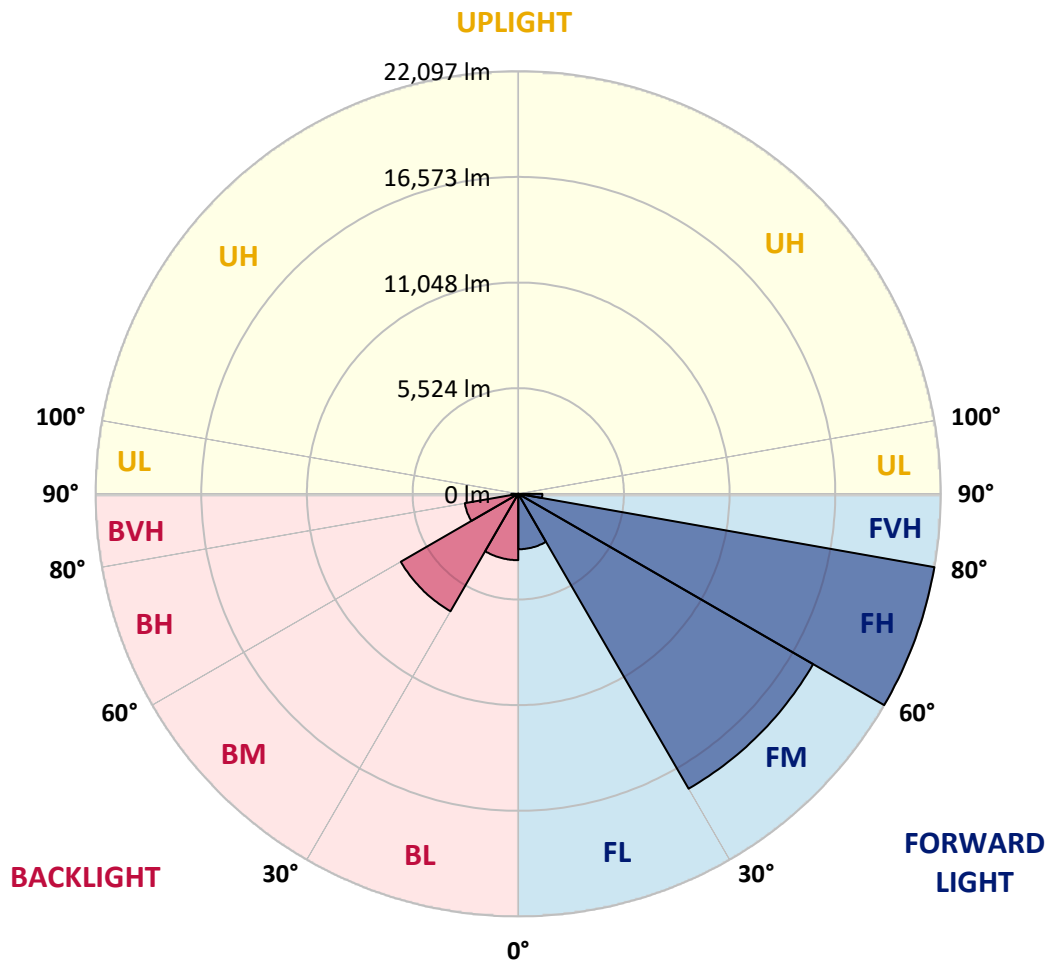


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2899.4	5.0			
FM (30°-60°)	17804.5	30.8			
FH (60°-80°)	22096.8	38.2			G5
FVH (80°-90°)	1257.3	2.2			G5
BL (0°-30°)	3467.5	6.0	B4/5000		
BM (30°-60°)	7089.5	12.3	B4/8500		
BH (60°-80°)	2836.7	4.9	B4/5000		G4/5000
BVH (80°-90°)	365.4	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°	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5
2.5°	7104.4	7148.2	7166.9	7157.5	7204.4	7198.2	7263.8	7345.1	7457.6	7567.0
5°	6557.4	6604.3	6644.9	6682.4	6773.1	6801.2	6904.4	7060.6	7266.9	7476.3
7.5°	6048.0	6088.6	6151.1	6219.9	6373.0	6401.1	6573.1	6816.8	7104.4	7410.7
10°	5632.3	5672.9	5738.5	5816.7	6007.3	6041.7	6260.5	6585.6	6960.6	7348.2
12.5°	5454.1	5466.6	5504.1	5582.3	5747.9	5769.8	6010.5	6382.4	6820.0	7301.3
15°	5444.7	5469.7	5472.9	5513.5	5651.0	5660.4	5882.3	6251.1	6732.5	7291.9
17.5°	5538.5	5557.2	5529.1	5554.1	5669.8	5685.4	5860.4	6188.6	6704.3	7332.6
20°	5788.5	5804.2	5719.8	5685.4	5769.8	5782.3	5954.2	6229.2	6732.5	7417.0
22.5°	6319.9	6329.3	6123.0	5982.3	5988.6	5994.8	6144.9	6394.9	6841.9	7570.1
25°	7148.2	7141.9	6813.7	6541.8	6385.5	6351.1	6451.2	6663.7	7026.3	7773.3
27.5°	8117.1	8070.2	7742.0	7335.7	6995.0	6945.0	6923.1	7013.8	7288.8	8042.1
30°	9211.0	9167.3	8814.1	8282.7	7810.8	7729.5	7523.2	7476.3	7679.5	8407.8
32.5°	10411.2	10383.1	9961.2	9317.3	8685.9	8592.2	8245.2	8120.2	8279.6	8961.0
35°	11417.7	11392.7	11042.6	10380.0	9608.0	9492.3	9139.1	8998.5	9079.8	9670.5
37.5°	12327.2	12314.7	12014.7	11492.7	10695.7	10555.0	10158.1	10111.2	10095.6	10605.0
40°	13171.1	13139.9	12827.3	12552.3	11961.5	11833.4	11483.3	11442.7	11323.9	11755.2
42.5°	14105.7	14024.4	13571.2	13443.0	13283.6	13177.4	12968.0	12974.2	12711.7	13052.3
45°	14868.3	14821.4	14355.7	14280.7	14452.6	14408.8	14590.1	14637.0	14127.5	14412.0
47.5°	15687.2	15643.4	15249.6	15196.5	15662.2	15674.7	16315.4	16331.1	15509.0	15824.7
50°	16696.7	16634.2	16243.5	16309.2	16831.1	16878.0	18050.1	17943.8	16781.1	17259.3
52.5°	17362.5	17400.0	17315.6	17421.9	18134.5	18178.3	19756.7	19484.7	18040.7	18675.2
55°	17853.2	17928.2	18190.8	18434.6	19509.7	19553.5	21366.3	20950.6	19084.7	19988.0
57.5°	18484.6	18378.3	18869.0	19344.1	20816.2	20931.9	22932.2	22363.4	20009.8	21119.4
60°	19391.0	19316.0	19697.3	20400.5	22279.0	22463.4	24588.8	23635.5	20688.1	22016.4
62.5°	21228.8	21041.3	21100.7	21722.6	24123.1	24366.9	26457.9	24745.1	21025.6	22366.5
65°	23976.2	23654.2	23354.2	23785.5	26720.4	26961.1	28567.6	25617.1	20900.6	21688.3
67.5°	27436.2	27117.4	26748.5	27154.9	30546.1	30736.8	31171.2	26107.8	19916.1	19075.3
70°	30289.8	30171.0	30611.7	32283.9	36656.6	36662.8	34509.3	25701.5	17218.7	13524.3
72.5°	29911.6	29839.7	32162.0	37331.7	44358.0	44192.3	37669.3	22625.9	11599.0	6101.1
75°	24538.8	25004.5	28602.0	37241.1	47124.1	47102.2	35734.5	14383.8	4797.7	2528.6
77.5°	13158.6	13896.2	18569.0	27495.6	36787.8	37341.1	25123.3	5032.2	2059.7	1619.0
80°	4291.4	4935.3	7401.3	13999.4	23904.3	23801.1	10767.6	1975.4	1409.6	1147.1
82.5°	1822.2	1897.2	3306.8	6610.6	12267.8	12077.2	3428.7	1134.6	990.8	784.5
85°	712.6	797.0	1459.6	3056.8	5313.5	5197.8	1237.7	562.6	634.5	512.6
87.5°	234.4	284.4	522.0	1047.1	1653.4	1594.0	303.2	193.8	275.0	234.4
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°
7704.5	0°	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5	7704.5
7726.4	2.5°	7770.1	7820.2	7879.5	7967.1	8042.1	8104.6	8170.2	8210.8	8226.5	8273.4
7738.9	5°	7826.4	7935.8	8082.7	8226.5	8367.1	8451.5	8526.5	8564.0	8598.4	8623.4
7773.3	7.5°	7920.2	8060.8	8292.1	8479.6	8598.4	8667.2	8717.2	8704.7	8717.2	8723.4
7810.8	10°	8001.4	8198.3	8473.4	8651.6	8742.2	8745.3	8732.8	8689.1	8667.2	8670.3
7867.0	12.5°	8098.3	8317.1	8614.0	8764.1	8789.1	8720.3	8667.2	8592.2	8564.0	8551.5
7951.4	15°	8229.6	8479.6	8767.2	8823.5	8760.9	8673.4	8582.8	8460.9	8398.4	8348.4
8095.2	17.5°	8389.0	8664.1	8886.0	8845.3	8710.9	8567.2	8420.3	8235.9	8107.7	8054.6
8292.1	20°	8610.9	8857.8	8976.6	8798.5	8595.3	8376.5	8126.5	7901.4	7782.6	7729.5
8542.2	22.5°	8879.7	9117.3	9064.1	8717.2	8429.6	8079.6	7767.0	7601.4	7542.0	7504.5
8864.1	25°	9201.6	9404.8	9126.6	8598.4	8157.7	7685.8	7445.1	7392.0	7363.8	7335.7
9257.9	27.5°	9620.5	9729.9	9173.5	8423.4	7732.6	7266.9	7179.4	7188.8	7179.4	7132.5
9804.9	30°	10173.7	10151.8	9217.3	8139.0	7245.0	6888.7	6895.0	6935.6	6941.9	6910.6
10567.5	32.5°	10902.0	10680.0	9239.2	7770.1	6779.3	6557.4	6563.7	6607.4	6638.7	6585.6
11564.6	35°	11783.4	11295.8	9204.8	7307.6	6419.9	6241.7	6194.9	6207.4	6216.7	6166.7
12774.2	37.5°	12811.7	11986.5	9051.6	6795.0	6123.0	5932.3	5832.3	5747.9	5697.9	5651.0
14143.2	40°	13940.0	12739.8	8770.3	6294.9	5791.7	5604.1	5454.1	5294.7	5125.9	5063.4
15593.4	42.5°	15121.5	13514.9	8429.6	5816.7	5410.3	5257.2	5097.8	4866.5	4613.3	4485.2
17099.9	45°	16346.7	14308.8	8095.2	5344.7	5019.6	4954.0	4769.6	4491.4	4216.4	4053.9
18609.6	47.5°	17546.9	15058.9	7604.5	4869.6	4654.0	4725.8	4582.1	4325.8	4019.5	3763.2
20106.7	50°	18694.0	15762.2	6801.2	4388.3	4357.0	4657.1	4519.6	4150.7	3800.7	3472.5
21575.7	52.5°	19831.7	16331.1	5772.9	3950.7	4197.6	4638.3	4438.3	4032.0	3603.8	3260.0
22957.2	55°	20797.5	16624.9	4782.1	3575.6	3966.3	4478.9	4341.4	3891.3	3325.6	2959.9
23904.3	57.5°	21347.6	16387.3	3957.0	3206.8	3647.5	4216.4	4175.7	3591.3	2994.3	2713.0
24088.7	60°	21110.0	15424.6	3281.8	2884.9	3344.3	3932.0	3888.2	3294.3	2741.1	2475.4
23101.0	62.5°	19800.4	13589.9	2747.4	2603.6	3069.3	3641.3	3600.6	3066.2	2547.3	2291.0
20478.7	65°	17162.5	11055.1	2331.7	2369.2	2791.1	3291.2	3350.6	2875.5	2394.2	2144.1
15843.5	67.5°	13089.8	8007.7	2006.6	2166.0	2519.2	2947.4	3119.3	2738.0	2266.0	2028.5
9167.3	70°	7460.7	4547.7	1731.6	1969.1	2278.5	2628.6	2941.2	2628.6	2128.5	1931.6
3435.0	72.5°	2828.6	2087.9	1497.1	1772.2	2047.2	2359.8	2744.2	2456.7	1969.1	1822.2
1775.3	75°	1509.6	1272.1	1259.6	1540.9	1781.6	2097.3	2497.3	2287.9	1850.3	1925.3
1228.3	77.5°	1028.3	900.2	1053.3	1319.0	1490.9	1806.6	2234.8	2031.6	1603.4	1597.2
850.2	80°	712.6	637.6	856.4	1062.7	1153.3	1519.0	1950.3	1744.1	1306.5	1219.0
525.1	82.5°	428.2	415.7	640.7	793.9	815.8	1172.1	1615.9	1462.8	1068.9	931.4
312.6	85°	234.4	246.9	409.4	465.7	475.1	818.9	1265.9	1131.5	822.0	690.7
112.5	87.5°	65.6	84.4	150.0	184.4	228.2	425.1	753.3	672.0	412.6	287.6
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°
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7704.5
8270.2
8629.7
8732.8
8676.6
8545.3
8364.0
8057.7
7723.3
7510.7
7335.7
7141.9
6926.2
6610.6
6201.1
5682.3
5091.5
4500.8
4041.3
3735.0
3444.4
3222.5
2928.7
2675.5
2437.9
2250.4
2103.5
1991.0
1906.6
1797.2
1987.9
1472.1
1165.8
937.7
697.0
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