

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: P851757

Luminaire Tested: **GLAN-SB9D-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62417 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

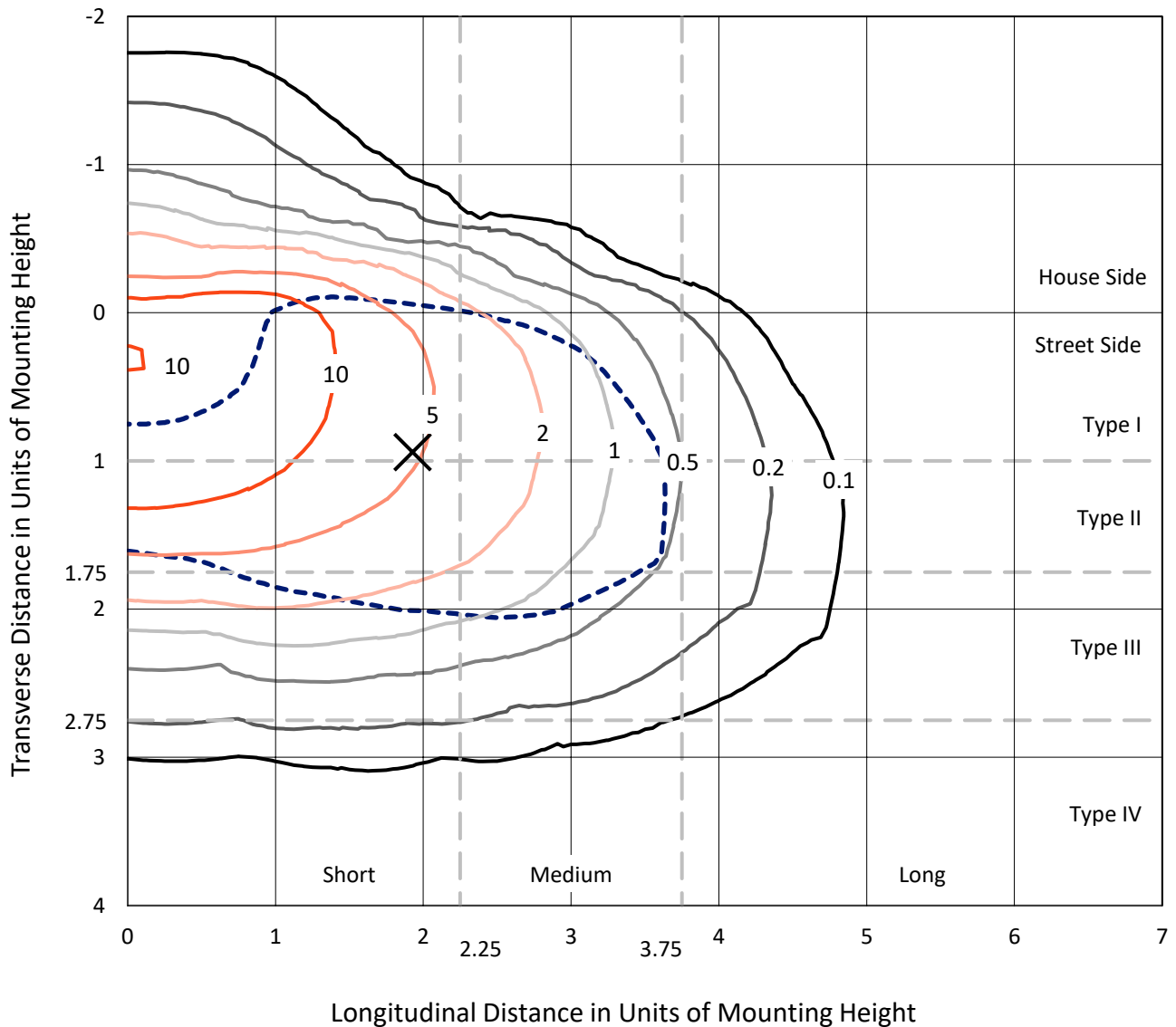
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

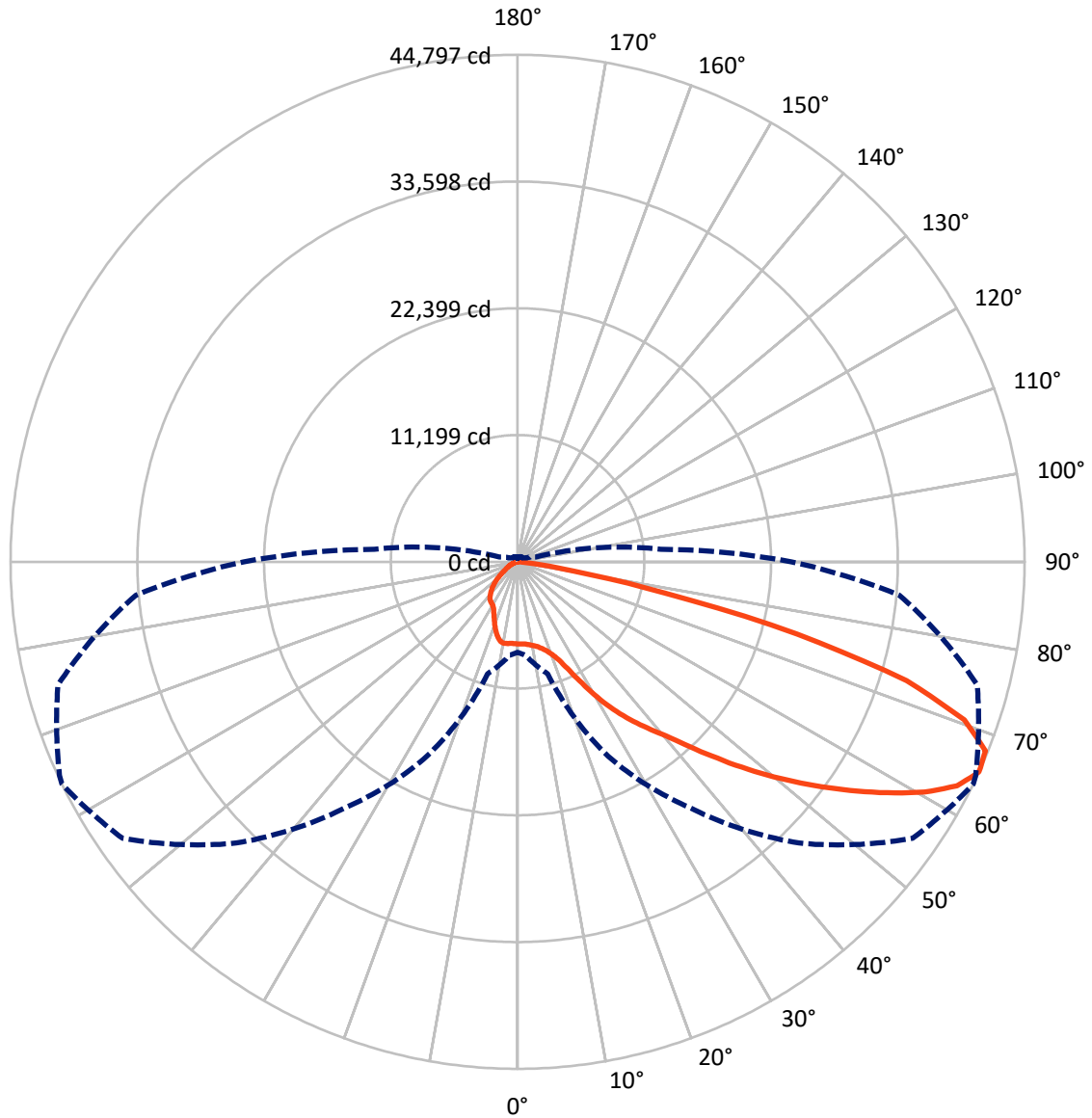
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8347.1	0.0	8347.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	54070.0	0.0	54070.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	62417.0	0.0	62417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.8	1.1
10°-20°	1816.6	2.9
20°-30°	3442.4	5.5
30°-40°	6965.8	11.2
40°-50°	11866.3	19.0
50°-60°	16137.2	25.9
60°-70°	15153.6	24.3
70°-80°	6071.2	9.7
80°-90°	294.1	0.5
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°	62417.0	100.0
0°-180°	62417.0	100.0

Coefficient of Utilization



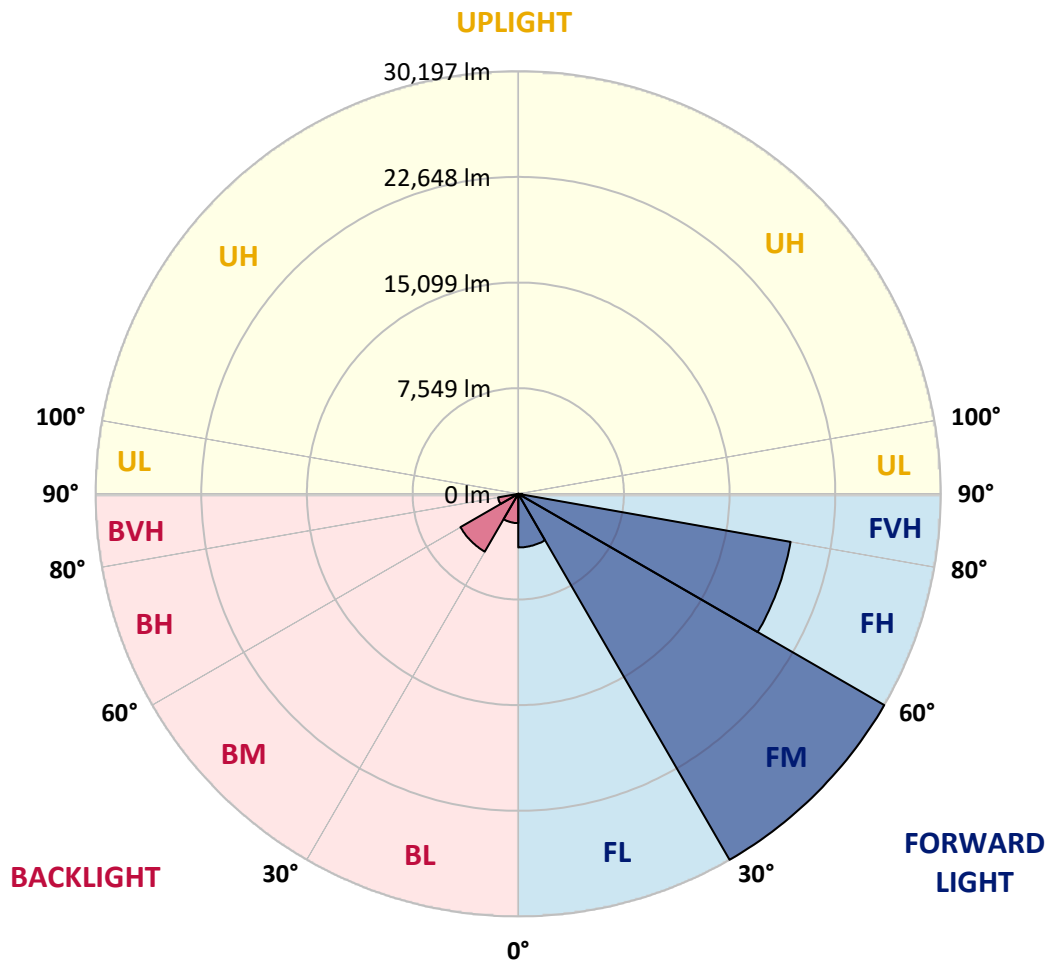
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3833.1	6.1			
FM (30°-60°)	30197.3	48.4			
FH (60°-80°)	19759.8	31.7			G5
FVH (80°-90°)	279.8	0.4			G3/500
BL (0°-30°)	2095.7	3.4	B3/2500		
BM (30°-60°)	4772.0	7.6	B3/5000		
BH (60°-80°)	1465.0	2.3	B3/2500		G3/2500
BVH (80°-90°)	14.4	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7
2.5°	7234.6	7284.9	7272.3	7259.7	7255.6	7263.9	7268.1	7263.9	7263.9	7263.9
5°	7096.6	7138.4	7138.4	7167.7	7209.5	7259.7	7297.4	7305.8	7314.1	7326.7
7.5°	6832.9	6866.4	6891.5	6987.8	7092.4	7226.3	7339.2	7397.8	7406.2	7452.2
10°	6653.0	6694.9	6736.7	6837.1	6987.8	7188.6	7381.1	7523.4	7544.3	7653.1
12.5°	6644.7	6686.5	6740.9	6849.7	7025.4	7238.8	7473.1	7678.2	7715.8	7874.8
15°	6732.5	6782.7	6832.9	6966.8	7155.1	7414.6	7665.6	7920.9	7958.5	8184.5
17.5°	6912.4	6979.4	7017.1	7151.0	7351.8	7640.5	7971.1	8264.0	8297.4	8561.1
20°	7268.1	7347.6	7360.2	7469.0	7665.6	7975.3	8368.6	8732.6	8774.5	9075.7
22.5°	8004.5	8117.5	8017.1	8071.5	8247.2	8556.9	8983.7	9443.9	9502.5	9845.6
25°	9301.7	9460.7	9201.3	9109.2	9184.5	9506.7	10042.3	10623.9	10690.9	10967.0
27.5°	11849.9	11644.9	11251.6	10866.6	10640.7	10824.8	11427.3	12147.0	12230.7	12498.5
30°	14649.2	14469.3	13937.9	13084.3	12548.7	12519.4	13075.9	13879.3	13975.5	14230.8
32.5°	17452.7	17281.1	16703.7	15653.4	14724.5	14264.2	14649.2	15540.5	15590.7	15753.9
35°	20210.1	20034.4	19457.0	18381.6	17239.3	16193.2	16117.9	17122.1	17138.9	17310.4
37.5°	22984.3	22837.9	22222.8	21168.3	20042.8	18599.2	17900.4	18620.1	18641.0	18808.4
40°	24963.5	25026.2	24603.6	23787.7	22821.1	21243.6	19900.5	20214.3	20088.8	20369.1
42.5°	26662.3	26787.8	26419.6	26009.6	25448.9	24059.7	22377.6	22323.2	22122.3	22273.0
45°	28131.0	28235.6	27905.0	27808.8	27796.2	26821.3	25084.8	24758.5	24478.1	24448.8
47.5°	28670.8	28871.6	29013.9	29336.1	29963.7	29553.6	27884.1	27377.8	27064.0	26833.9
50°	28875.8	29089.2	29574.6	30511.9	31997.3	32173.0	30670.9	30101.8	29716.8	29298.4
52.5°	28599.6	28980.4	29633.2	31210.6	33365.5	34273.5	33344.6	32846.7	32407.3	31725.3
55°	26971.9	27352.7	28687.5	31202.3	34047.6	35746.4	35871.9	35650.2	35156.4	34081.1
57.5°	23540.8	24105.7	26218.8	30139.4	34035.0	37014.2	38349.0	38508.0	37955.7	36415.9
60°	18787.5	19553.2	22130.7	27783.7	32984.8	37700.5	40520.7	41315.7	40729.9	38717.2
62.5°	13109.4	13996.5	16435.9	24093.1	30583.0	37206.7	42106.5	43575.2	43131.7	40775.9
65°	7996.2	8280.7	10247.3	18959.0	26499.1	35139.7	42596.1	44797.0	44650.6	42035.4
67.5°	5326.6	5565.1	6130.0	13000.6	20570.0	31009.8	41424.5	44583.6	44625.5	41830.4
70°	3209.4	3414.4	3782.6	7561.0	13331.2	24545.1	37796.7	41863.8	42106.5	39089.6
72.5°	1322.2	1460.3	1795.1	3426.9	6904.1	15578.1	30097.6	35943.1	36507.9	32867.6
75°	749.0	820.1	1054.4	1719.7	2996.0	7259.7	18231.0	25515.8	26348.5	22653.8
77.5°	497.9	531.4	682.0	1113.0	1686.3	2477.1	7791.2	13293.5	14883.5	12372.9
80°	334.7	364.0	468.6	744.8	1096.3	1062.8	2481.3	4924.9	6058.9	4251.2
82.5°	226.0	230.1	334.7	489.6	694.6	514.7	732.3	1531.5	1924.8	1230.2
85°	129.7	125.5	246.9	284.5	309.6	213.4	221.8	460.3	602.5	518.9
87.5°	16.7	25.1	96.2	75.3	41.8	46.0	46.0	79.5	117.2	125.5
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°
7259.7	0°	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7	7259.7
7268.1	2.5°	7268.1	7263.9	7251.4	7238.8	7209.5	7192.8	7201.2	7192.8	7188.6	7192.8
7322.5	5°	7322.5	7310.0	7276.5	7234.6	7176.1	7104.9	7058.9	6992.0	6929.2	6891.5
7469.0	7.5°	7469.0	7456.4	7410.4	7293.2	7104.9	6807.8	6535.9	6297.4	6117.4	6012.8
7703.3	10°	7703.3	7682.4	7611.2	7351.8	6858.1	6209.5	5669.7	5222.0	4929.1	4791.0
7979.4	12.5°	7979.4	7954.3	7828.8	7297.4	6389.4	5376.8	4632.0	4134.1	3862.1	3740.8
8297.4	15°	8305.8	8272.3	8025.5	7038.0	5707.4	4456.3	3774.2	3401.8	3226.1	3117.3
8703.3	17.5°	8711.7	8653.1	8171.9	6648.8	4966.8	3753.3	3247.0	2966.7	2811.8	2707.2
9234.7	20°	9238.9	9142.7	8289.1	6184.4	4284.7	3309.8	2891.3	2657.0	2539.9	2447.8
9987.9	22.5°	9975.4	9837.3	8431.3	5682.3	3803.5	3004.3	2627.7	2456.2	2359.9	2255.3
11038.2	25°	10887.5	10724.3	8607.1	5217.8	3473.0	2740.7	2435.3	2293.0	2180.0	2058.7
12414.8	27.5°	12163.7	11870.8	8816.3	4837.0	3188.4	2514.8	2259.5	2100.5	1970.8	1870.4
13975.5	30°	13586.4	13105.2	9000.4	4606.9	2929.0	2305.5	2029.4	1870.4	1749.0	1677.9
15377.3	32.5°	14933.7	14281.0	9121.8	4506.5	2694.7	2067.0	1778.3	1606.8	1514.7	1493.8
16749.7	35°	16205.8	15343.8	9109.2	4410.2	2485.5	1828.5	1531.5	1355.7	1284.6	1297.1
18226.8	37.5°	17670.3	16477.7	9021.3	4259.6	2313.9	1611.0	1318.1	1163.2	1100.5	1104.7
20021.8	40°	19373.3	17787.4	8966.9	3975.1	2125.6	1410.1	1142.3	1016.8	970.8	954.0
21913.1	42.5°	21189.3	19055.3	8975.3	3652.9	1891.3	1230.2	1021.0	916.4	874.5	862.0
24017.8	45°	23013.6	20264.5	8987.9	3318.1	1644.4	1092.1	933.1	845.2	820.1	803.4
26151.8	47.5°	24729.2	21293.9	8753.5	2958.3	1401.7	987.5	862.0	803.4	782.5	761.5
28294.2	50°	26327.6	21980.1	8188.7	2539.9	1209.3	903.8	807.6	765.7	744.8	723.9
30235.7	52.5°	27570.3	22088.9	7255.6	2108.9	1075.4	841.0	774.1	736.4	711.3	690.4
31804.8	55°	28122.6	21406.8	5929.1	1707.2	970.8	786.6	740.6	703.0	673.7	652.7
33039.2	57.5°	27980.4	19971.6	4623.6	1372.4	870.3	732.3	698.8	673.7	640.2	606.7
34039.2	60°	27281.6	18051.0	3485.5	1142.3	778.3	673.7	652.7	631.8	585.8	535.6
34424.2	62.5°	26072.3	15636.7	2485.5	945.6	677.9	606.7	598.4	581.6	514.7	422.6
33855.1	65°	24222.9	12703.5	1673.7	786.6	581.6	531.4	535.6	506.3	418.4	313.8
31771.3	67.5°	21519.8	9289.1	1071.2	644.4	485.4	443.5	447.7	431.0	355.7	267.8
27821.4	70°	18076.1	6150.9	698.8	489.6	389.1	343.1	368.2	372.4	301.3	217.6
21352.4	72.5°	13251.7	3632.0	489.6	364.0	284.5	238.5	301.3	309.6	242.7	163.2
12845.8	75°	7552.6	1723.9	368.2	263.6	175.7	167.4	234.3	234.3	167.4	108.8
5560.9	77.5°	3171.7	719.7	259.4	171.6	100.4	96.2	159.0	146.5	83.7	50.2
1355.7	80°	916.4	322.2	138.1	83.7	41.8	37.7	62.8	46.0	20.9	8.4
514.7	82.5°	359.8	142.3	54.4	33.5	16.7	16.7	8.4	0.0	0.0	0.0
292.9	85°	213.4	58.6	25.1	12.6	4.2	0.0	0.0	0.0	0.0	0.0
62.8	87.5°	54.4	12.6	8.4	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°
7259.7
7209.5
6899.9
6017.0
4778.5
3728.2
3121.5
2698.9
2431.1
2238.6
2046.1
1849.5
1665.3
1506.3
1297.1
1121.4
949.8
857.8
803.4
761.5
723.9
686.2
648.6
602.5
527.2
414.2
305.5
255.2
209.2
154.8
100.4
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