

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: P852720

Luminaire Tested: **GLAN-SB5D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852720
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-SB5D-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 900mA 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: 26257 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

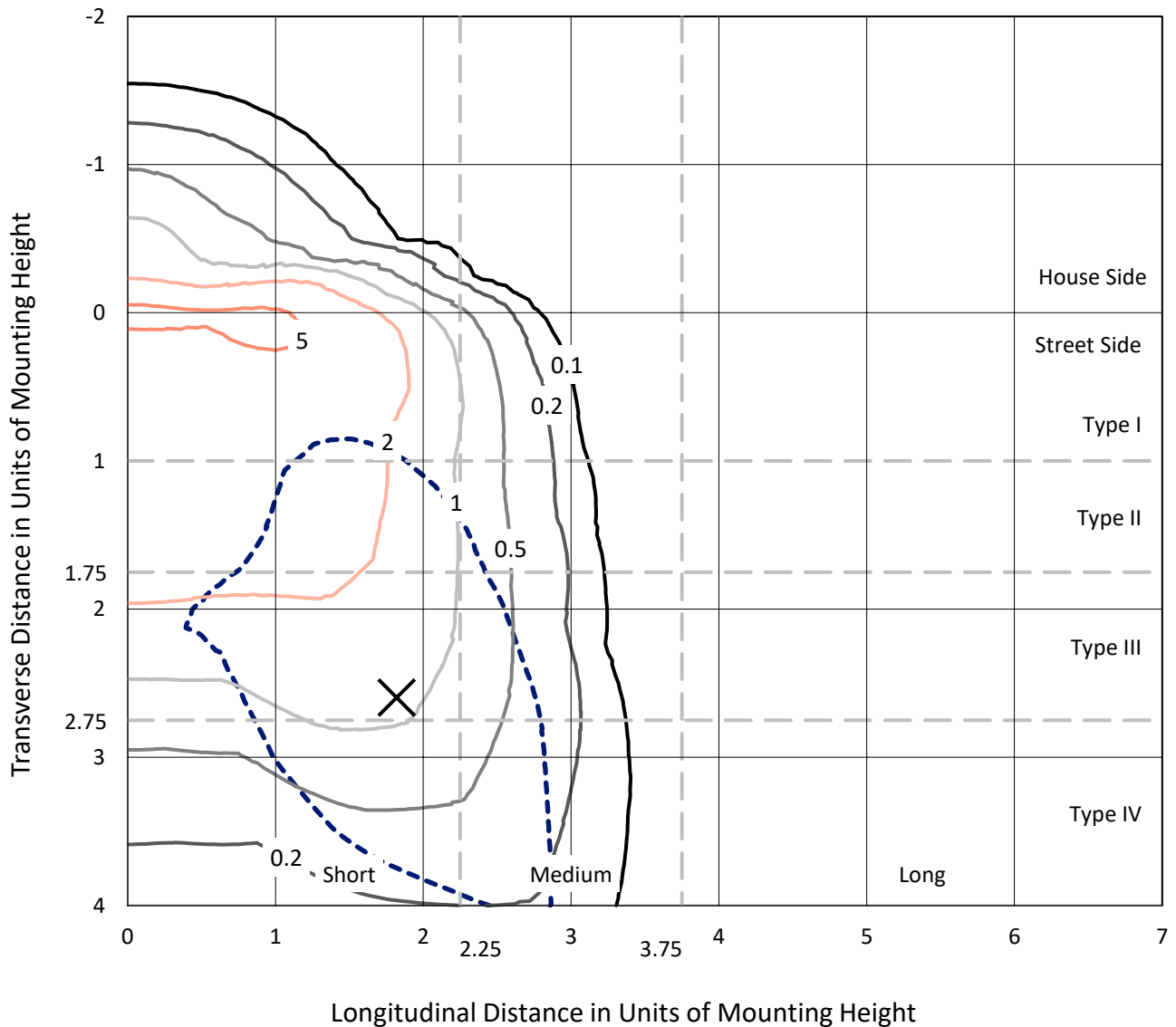
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

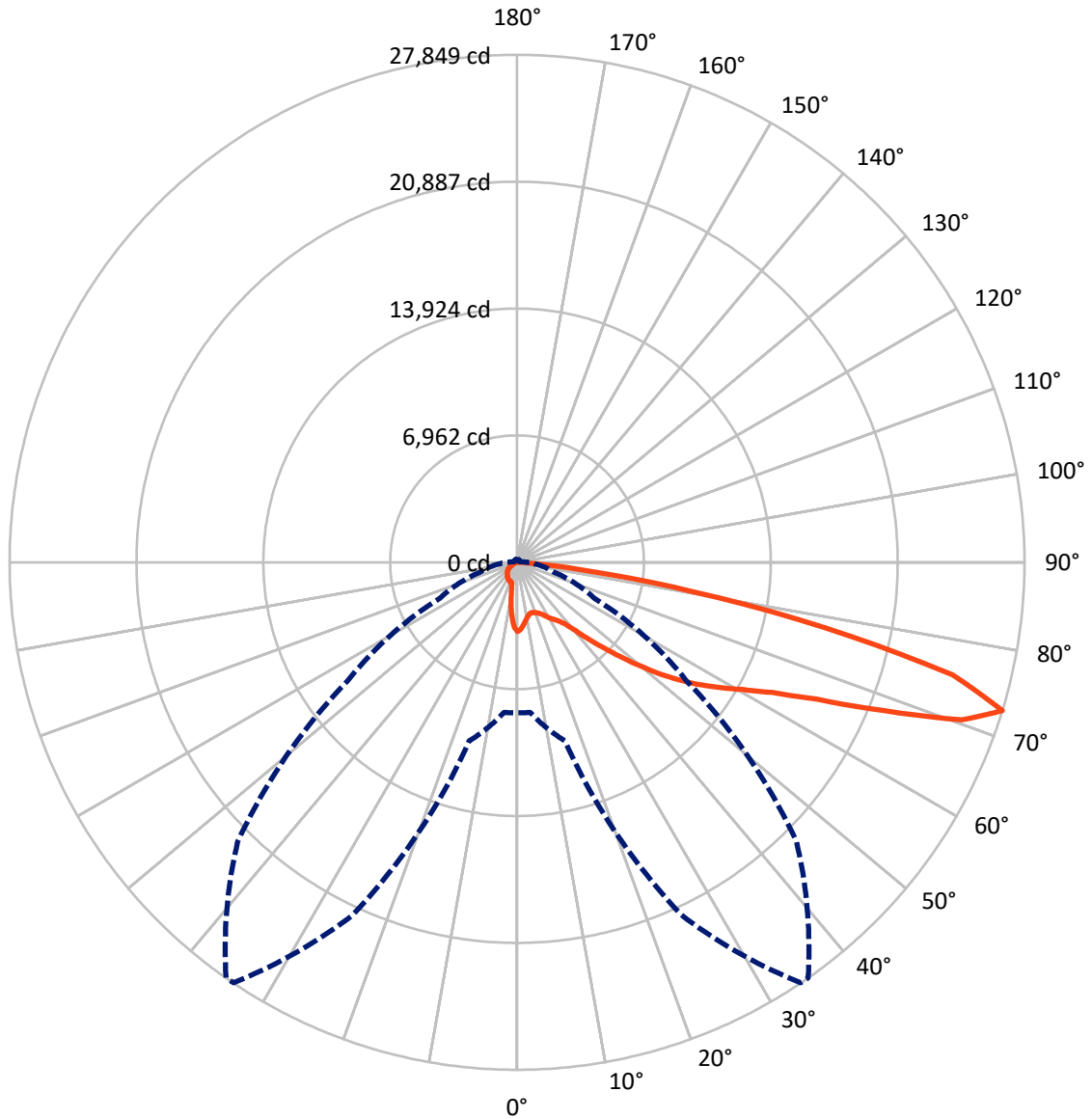
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	2955.1	0.0	2955.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	23301.9	0.0	23301.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	26257.0	0.0	26257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.7	1.2
10°-20°	731.6	2.8
20°-30°	1188.4	4.5
30°-40°	1982.8	7.6
40°-50°	3751.5	14.3
50°-60°	5961.2	22.7
60°-70°	7374.4	28.1
70°-80°	4584.0	17.5
80°-90°	370.5	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°	26257.0	100.0
0°-180°	26257.0	100.0

Coefficient of Utilization



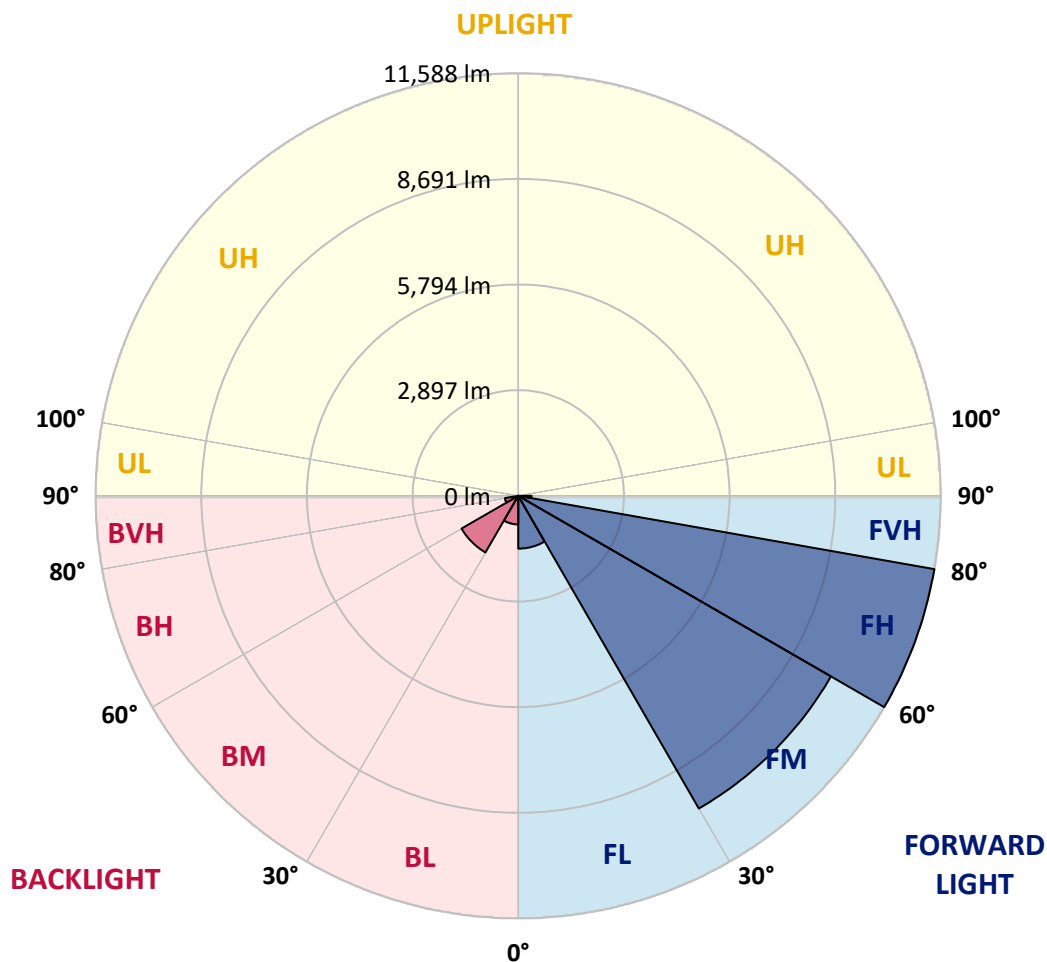
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1447.4	5.5			
FM (30°-60°)	9901.5	37.7			
FH (60°-80°)	11587.5	44.1			G4/12000
FVH (80°-90°)	365.4	1.4			G3/500
BL (0°-30°)	785.2	3.0	B2/1000		
BM (30°-60°)	1794.0	6.8	B2/2500		
BH (60°-80°)	370.8	1.4	B1/500		G1/500
BVH (80°-90°)	5.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5
2.5°	3636.2	3667.0	3672.8	3682.4	3682.4	3693.9	3713.2	3740.1	3784.4	3807.4
5°	3351.5	3374.6	3403.4	3426.5	3470.8	3476.5	3551.6	3624.7	3726.6	3803.6
7.5°	3064.8	3091.7	3130.2	3186.0	3243.7	3261.0	3374.6	3497.7	3659.3	3803.6
10°	2862.8	2864.7	2899.4	2955.1	3047.5	3068.7	3207.2	3382.3	3584.3	3780.5
12.5°	2749.3	2762.8	2778.1	2820.5	2909.0	2922.4	3070.6	3276.4	3509.2	3767.0
15°	2749.3	2758.9	2768.5	2789.7	2860.9	2872.4	3003.2	3209.1	3470.8	3772.8
17.5°	2778.1	2793.5	2785.8	2810.9	2885.9	2893.6	3009.0	3189.9	3468.8	3809.4
20°	2847.4	2858.9	2843.6	2858.9	2934.0	2949.4	3068.7	3226.4	3501.5	3872.9
22.5°	2957.1	2962.8	2926.3	2937.8	3014.8	3034.0	3172.5	3330.3	3580.4	3974.8
25°	3095.6	3107.1	3051.3	3064.8	3137.9	3161.0	3320.7	3486.1	3705.5	4115.3
27.5°	3255.3	3261.0	3213.0	3211.0	3305.3	3338.0	3499.6	3678.5	3872.9	4292.3
30°	3438.1	3455.4	3409.2	3401.5	3520.8	3547.7	3707.4	3915.2	4119.1	4557.8
32.5°	3582.3	3595.8	3568.9	3588.1	3709.3	3730.5	3959.4	4249.9	4505.8	4934.9
35°	3790.1	3797.8	3736.3	3770.9	3909.4	3963.3	4303.8	4719.4	4992.6	5408.1
37.5°	4542.4	4542.4	4280.7	4109.5	4242.3	4290.3	4775.2	5310.0	5592.8	6043.0
40°	5583.2	5565.9	5183.0	4832.9	4815.6	4909.9	5446.6	6054.6	6368.2	6804.9
42.5°	6693.3	6666.4	6145.0	5798.7	5741.0	5773.7	6222.0	6972.3	7291.7	7734.2
45°	7678.4	7670.7	7193.5	6728.0	6624.1	6728.0	7189.7	8045.8	8274.8	8740.4
47.5°	8503.7	8503.7	8155.5	7851.5	7797.7	7859.2	8499.9	9236.8	9215.6	9812.0
50°	9454.2	9446.5	9115.5	8984.7	9040.5	9127.1	10008.2	10491.2	10189.1	10864.4
52.5°	10119.8	10166.0	10052.5	10031.3	10316.1	10466.1	11539.7	11718.6	11060.6	11862.9
55°	10647.0	10700.9	10831.7	10979.8	11528.1	11724.4	13023.0	12882.6	11789.8	12728.7
57.5°	11393.5	11316.5	11518.5	11811.0	12697.9	12934.5	14460.2	13981.1	12376.6	13430.9
60°	12299.6	12311.2	12345.8	12715.2	13865.7	14169.7	15876.2	15020.1	12753.7	13861.9
62.5°	13388.6	13405.9	13477.1	14044.6	15433.7	15720.4	17384.6	15870.4	12926.8	13740.7
65°	13313.5	13386.7	14181.2	16122.5	17817.5	18100.3	19145.0	16466.9	12665.2	12632.5
67.5°	12128.4	12247.7	13577.1	18604.3	21411.3	21726.9	21272.8	16584.2	11535.8	9823.6
70°	10573.9	10616.2	12215.0	20836.1	25572.8	25892.2	23177.5	15293.3	8753.8	5479.3
72.5°	8257.5	8267.1	10142.9	21353.6	27831.5	27848.8	21682.6	11353.1	4707.8	2104.8
75°	5898.7	5841.0	6793.4	17317.2	24485.8	24682.0	16255.2	5325.4	1798.9	994.7
77.5°	3162.9	3226.4	3844.0	10269.9	16915.1	17249.9	8869.3	1535.3	915.8	677.2
80°	977.4	1031.2	1575.7	4702.1	9581.1	9783.1	3288.0	683.0	638.7	482.9
82.5°	307.8	319.4	734.9	1975.9	3976.7	4069.1	952.3	386.7	436.7	319.4
85°	88.5	90.4	327.1	736.9	983.1	1002.4	267.4	150.1	250.1	198.2
87.5°	9.6	30.8	123.1	123.1	86.6	84.7	28.9	32.7	71.2	25.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3805.5	0°	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5	3805.5
3822.8	2.5°	3813.2	3815.1	3790.1	3747.8	3701.6	3663.1	3615.1	3576.6	3549.6	3541.9
3857.5	5°	3840.2	3826.7	3755.5	3626.6	3472.7	3339.9	3191.8	3074.4	2997.5	2964.8
3894.0	7.5°	3880.6	3842.1	3686.2	3432.3	3137.9	2876.3	2610.8	2404.9	2274.1	2208.7
3928.7	10°	3915.2	3838.2	3570.8	3151.4	2701.2	2304.9	1947.0	1698.8	1560.3	1494.9
3969.1	12.5°	3947.9	3836.3	3420.7	2818.5	2208.7	1723.8	1391.0	1267.9	1229.4	1215.9
4034.5	15°	4009.5	3842.1	3232.2	2437.6	1718.1	1302.5	1181.3	1179.4	1187.1	1183.2
4134.5	17.5°	4094.1	3847.8	3018.6	2033.6	1325.6	1148.6	1142.8	1160.1	1171.7	1165.9
4259.6	20°	4203.8	3870.9	2791.6	1633.4	1139.0	1110.1	1123.6	1139.0	1148.6	1139.0
4426.9	22.5°	4357.7	3911.3	2543.4	1312.1	1079.3	1087.0	1098.6	1115.9	1125.5	1112.0
4640.5	25°	4546.2	3974.8	2299.1	1140.9	1050.5	1060.1	1077.4	1096.6	1108.2	1094.7
4909.9	27.5°	4790.6	4076.8	2074.0	1102.4	1021.6	1027.4	1052.4	1081.2	1096.6	1079.3
5292.7	30°	5144.6	4244.2	1879.7	1119.7	1004.3	990.8	1025.5	1065.9	1083.2	1067.8
5814.1	32.5°	5614.0	4480.8	1760.4	1146.7	996.6	948.5	981.2	1033.1	1062.0	1052.4
6495.2	35°	6229.7	4840.6	1714.2	1177.4	990.8	904.2	927.3	983.1	1033.1	1042.8
7353.2	37.5°	6976.1	5340.8	1727.7	1190.9	973.5	867.7	879.2	927.3	992.7	1023.5
8319.0	40°	7824.6	5923.8	1804.6	1177.4	954.3	836.9	838.8	875.4	933.1	979.3
9358.0	42.5°	8700.0	6604.8	1947.0	1127.4	937.0	810.0	804.2	829.2	867.7	900.4
10395.0	45°	9533.0	7305.1	2087.5	1058.2	915.8	783.0	769.6	779.2	786.9	800.4
11405.0	47.5°	10260.3	7797.7	2047.1	994.7	886.9	752.3	729.2	725.3	702.2	700.3
12307.3	50°	10762.4	7905.4	1818.1	931.2	844.6	717.6	681.1	658.0	617.6	598.3
12982.6	52.5°	10922.1	7480.2	1485.3	867.7	775.3	671.4	619.5	582.9	532.9	515.6
13371.3	55°	10710.5	6647.2	1187.1	790.7	679.1	609.9	552.2	504.1	463.7	442.5
13413.6	57.5°	10192.9	5587.1	938.9	700.3	577.2	540.6	482.9	434.8	400.2	379.0
12944.2	60°	9334.9	4436.6	742.6	592.6	492.5	465.6	405.9	375.2	344.4	319.4
11732.1	62.5°	8032.4	3166.8	582.9	469.4	411.7	380.9	346.3	323.2	286.7	252.0
9552.3	65°	6268.1	1937.4	450.2	344.4	330.9	315.5	294.4	273.2	228.9	194.3
6231.6	67.5°	3953.7	917.7	321.3	259.7	261.7	254.0	244.3	227.0	194.3	163.5
2791.6	70°	1741.2	444.4	211.6	198.2	194.3	194.3	202.0	196.2	165.5	136.6
969.7	72.5°	592.6	238.6	157.8	150.1	140.4	138.5	169.3	163.5	132.8	105.8
482.9	75°	309.8	159.7	115.4	107.7	84.7	102.0	134.7	127.0	94.3	69.3
319.4	77.5°	202.0	113.5	78.9	69.3	48.1	67.3	100.0	88.5	55.8	34.6
209.7	80°	127.0	75.0	46.2	32.7	23.1	36.6	53.9	38.5	21.2	7.7
123.1	82.5°	67.3	38.5	17.3	11.5	9.6	11.5	13.5	9.6	3.8	0.0
63.5	85°	26.9	13.5	5.8	3.8	1.9	0.0	3.8	1.9	0.0	0.0
11.5	87.5°	9.6	1.9	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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<u>180°</u>
3805.5
3555.4
2976.3
2218.3
1496.8
1212.1
1181.3
1164.0
1137.0
1110.1
1092.8
1079.3
1065.9
1052.4
1042.8
1031.2
994.7
913.9
808.0
698.4
600.3
513.7
442.5
375.2
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