

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: P848267

Luminaire Tested: **GLAN-SB4D-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848267
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-SB4D-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 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: 30897 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

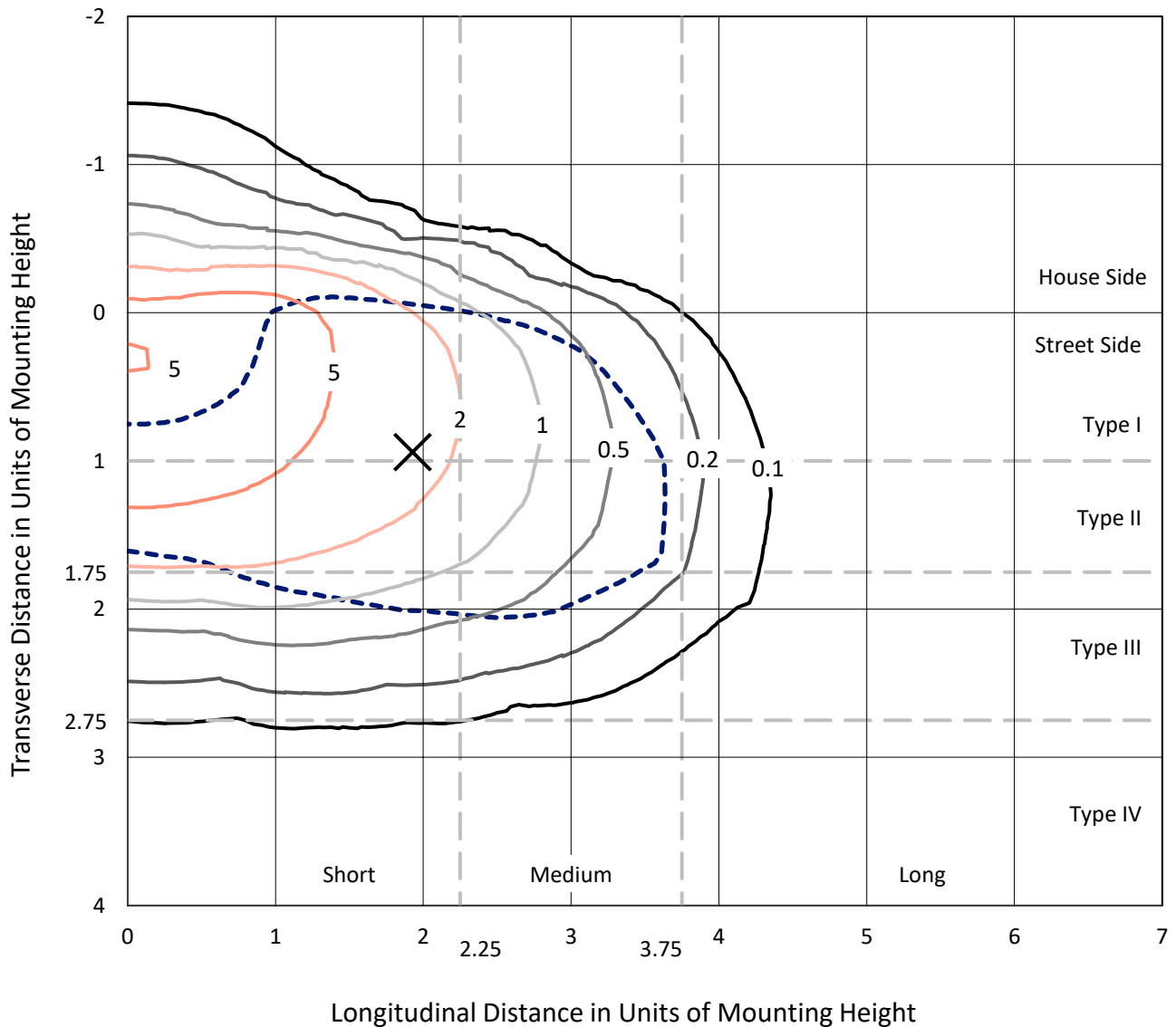
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

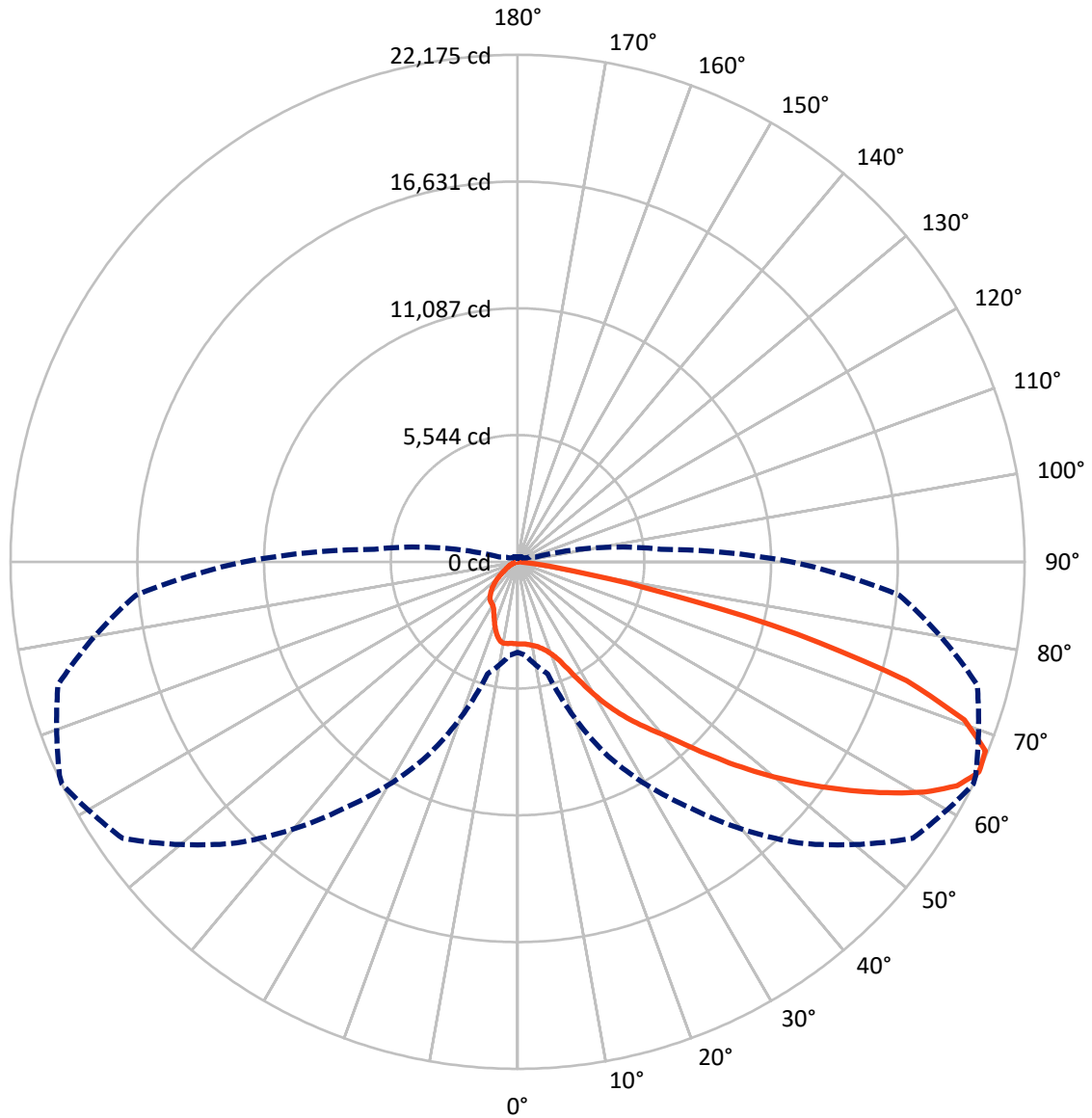
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	4131.9	0.0	4131.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26765.1	0.0	26765.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	30897.0	0.0	30897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.6	1.1
10°-20°	899.3	2.9
20°-30°	1704.0	5.5
30°-40°	3448.1	11.2
40°-50°	5873.9	19.0
50°-60°	7988.1	25.9
60°-70°	7501.2	24.3
70°-80°	3005.3	9.7
80°-90°	145.6	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°	30897.0	100.0
0°-180°	30897.0	100.0

Coefficient of Utilization



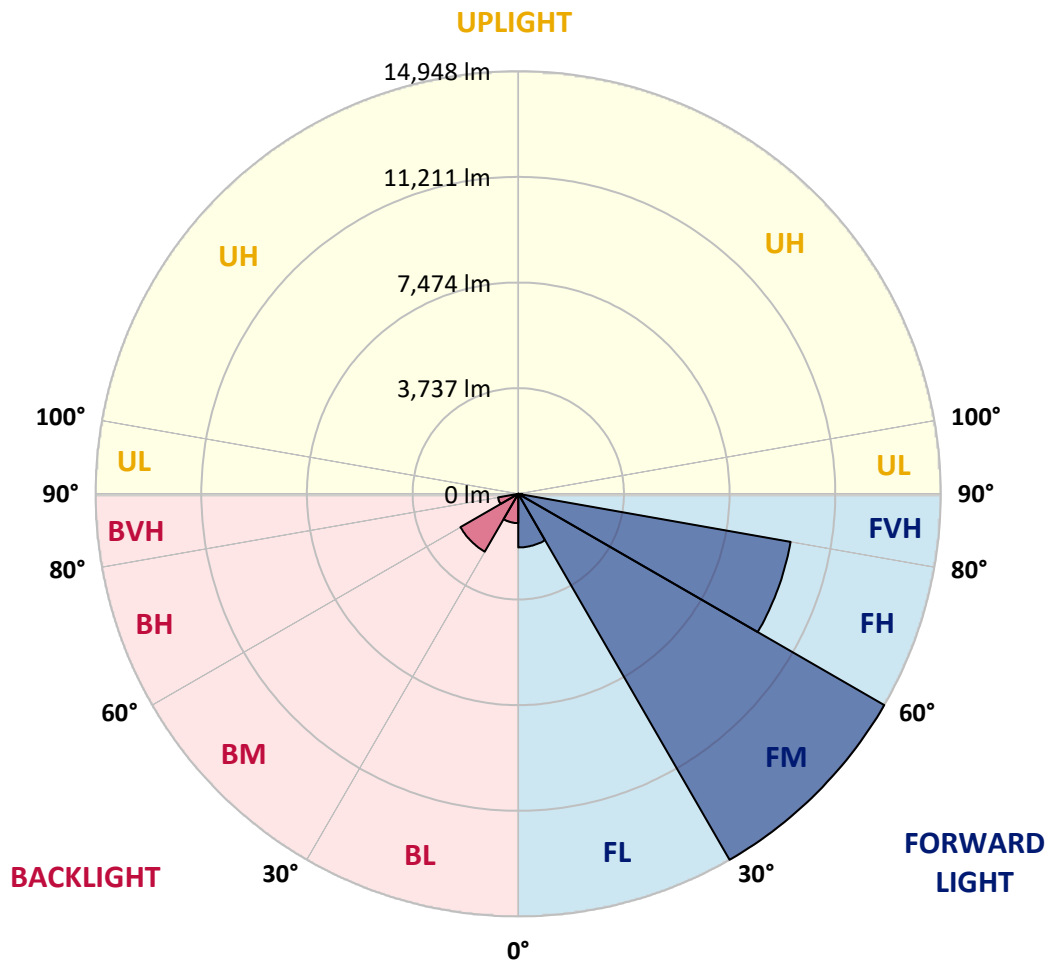
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1897.4	6.1			
FM (30°-60°)	14947.9	48.4			
FH (60°-80°)	9781.3	31.7			G4/12000
FVH (80°-90°)	138.5	0.4			G2/225
BL (0°-30°)	1037.4	3.4	B3/2500		
BM (30°-60°)	2362.2	7.6	B2/2500		
BH (60°-80°)	725.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.1	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6
2.5°	3581.2	3606.1	3599.9	3593.6	3591.6	3595.7	3597.8	3595.7	3595.7	3595.7
5°	3512.9	3533.6	3533.6	3548.1	3568.8	3593.6	3612.3	3616.4	3620.6	3626.8
7.5°	3382.4	3398.9	3411.4	3459.0	3510.8	3577.1	3633.0	3662.0	3666.1	3688.9
10°	3293.3	3314.0	3334.7	3384.4	3459.0	3558.4	3653.7	3724.1	3734.5	3788.3
12.5°	3289.2	3309.9	3336.8	3390.7	3477.7	3583.3	3699.3	3800.8	3819.4	3898.1
15°	3332.7	3357.5	3382.4	3448.7	3541.9	3670.3	3794.6	3920.9	3939.5	4051.4
17.5°	3421.7	3454.9	3473.5	3539.8	3639.2	3782.1	3945.8	4090.7	4107.3	4237.8
20°	3597.8	3637.1	3643.4	3697.2	3794.6	3947.8	4142.5	4322.7	4343.4	4492.6
22.5°	3962.3	4018.3	3968.5	3995.5	4082.5	4235.7	4447.0	4674.8	4703.8	4873.7
25°	4604.4	4683.1	4554.7	4509.1	4546.4	4705.9	4971.0	5258.9	5292.1	5428.8
27.5°	5865.8	5764.3	5569.6	5379.1	5267.2	5358.4	5656.6	6012.9	6054.3	6186.9
30°	7251.5	7162.4	6899.4	6476.8	6211.7	6197.2	6472.7	6870.4	6918.0	7044.4
32.5°	8639.2	8554.3	8268.5	7748.6	7288.8	7060.9	7251.5	7692.7	7717.5	7798.3
35°	10004.2	9917.2	9631.4	9099.1	8533.6	8015.8	7978.5	8475.6	8483.9	8568.8
37.5°	11377.4	11305.0	11000.5	10478.5	9921.4	9206.8	8860.9	9217.1	9227.5	9310.3
40°	12357.2	12388.2	12179.0	11775.1	11296.7	10515.8	9850.9	10006.3	9944.1	10082.9
42.5°	13198.1	13260.2	13078.0	12875.0	12597.4	11909.8	11077.1	11050.2	10950.8	11025.3
45°	13925.1	13976.9	13813.3	13765.6	13759.4	13276.8	12417.2	12255.7	12116.9	12102.4
47.5°	14192.3	14291.7	14362.1	14521.6	14832.3	14629.3	13802.9	13552.3	13396.9	13283.0
50°	14293.8	14399.4	14639.7	15103.7	15839.0	15925.9	15182.4	14900.7	14710.1	14503.0
52.5°	14157.1	14345.6	14668.7	15449.6	16516.3	16965.7	16505.9	16259.4	16041.9	15704.3
55°	13351.4	13539.8	14200.6	15445.4	16853.9	17694.8	17756.9	17647.2	17402.8	16870.4
57.5°	11652.9	11932.5	12978.5	14919.3	16847.7	18322.4	18983.1	19061.8	18788.4	18026.2
60°	9300.0	9679.0	10954.9	13753.2	16327.8	18662.1	20058.1	20451.7	20161.7	19165.4
62.5°	6489.3	6928.4	8135.9	11926.3	15138.9	18417.7	20843.1	21570.1	21350.6	20184.5
65°	3958.2	4099.0	5072.5	9384.9	13117.3	17394.5	21085.5	22174.9	22102.5	20807.9
67.5°	2636.7	2754.8	3034.4	6435.4	10182.3	15350.1	20505.5	22069.3	22090.0	20706.4
70°	1588.7	1690.2	1872.4	3742.8	6599.0	12150.0	18709.7	20723.0	20843.1	19349.7
72.5°	654.5	722.9	888.6	1696.4	3417.6	7711.3	14898.6	17792.2	18071.8	16269.8
75°	370.8	406.0	522.0	851.3	1483.0	3593.6	9024.5	12630.6	13042.7	11213.8
77.5°	246.5	263.1	337.6	551.0	834.7	1226.2	3856.7	6580.4	7367.5	6124.7
80°	165.7	180.2	232.0	368.7	542.7	526.1	1228.3	2437.9	2999.2	2104.4
82.5°	111.8	113.9	165.7	242.3	343.8	254.8	362.5	758.1	952.8	609.0
85°	64.2	62.1	122.2	140.8	153.3	105.6	109.8	227.8	298.3	256.8
87.5°	8.3	12.4	47.6	37.3	20.7	22.8	22.8	39.4	58.0	62.1
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°
3593.6	0°	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6	3593.6
3597.8	2.5°	3597.8	3595.7	3589.5	3583.3	3568.8	3560.5	3564.6	3560.5	3558.4	3560.5
3624.7	5°	3624.7	3618.5	3601.9	3581.2	3552.2	3517.0	3494.2	3461.1	3430.0	3411.4
3697.2	7.5°	3697.2	3691.0	3668.2	3610.2	3517.0	3369.9	3235.3	3117.3	3028.2	2976.4
3813.2	10°	3813.2	3802.8	3767.6	3639.2	3394.8	3073.8	2806.6	2584.9	2439.9	2371.6
3949.9	12.5°	3949.9	3937.5	3875.3	3612.3	3162.8	2661.6	2292.9	2046.4	1911.8	1851.7
4107.3	15°	4111.5	4094.9	3972.7	3483.9	2825.2	2205.9	1868.3	1683.9	1596.9	1543.1
4308.2	17.5°	4312.4	4283.4	4045.2	3291.2	2458.6	1857.9	1607.3	1468.5	1391.9	1340.1
4571.3	20°	4573.3	4525.7	4103.2	3061.3	2121.0	1638.4	1431.2	1315.3	1257.3	1211.7
4944.1	22.5°	4937.9	4869.5	4173.6	2812.8	1882.8	1487.2	1300.8	1215.8	1168.2	1116.4
5464.0	25°	5389.4	5308.6	4260.6	2582.9	1719.1	1356.7	1205.5	1135.1	1079.1	1019.1
6145.4	27.5°	6021.2	5876.2	4364.2	2394.4	1578.3	1244.8	1118.5	1039.8	975.6	925.9
6918.0	30°	6725.4	6487.2	4455.3	2280.5	1449.9	1141.3	1004.6	925.9	865.8	830.6
7611.9	32.5°	7392.3	7069.2	4515.4	2230.8	1333.9	1023.2	880.3	795.4	749.8	739.4
8291.3	35°	8022.0	7595.3	4509.1	2183.1	1230.3	905.1	758.1	671.1	635.9	642.1
9022.4	37.5°	8746.9	8156.6	4465.6	2108.5	1145.4	797.4	652.4	575.8	544.7	546.8
9911.0	40°	9589.9	8804.9	4438.7	1967.7	1052.2	698.0	565.5	503.3	480.5	472.2
10847.2	42.5°	10488.9	9432.5	4442.9	1808.2	936.2	609.0	505.4	453.6	432.9	426.7
11889.1	45°	11391.9	10031.1	4449.1	1642.5	814.0	540.6	461.9	418.4	406.0	397.7
12945.4	47.5°	12241.2	10540.7	4333.1	1464.4	693.9	488.8	426.7	397.7	387.3	377.0
14005.9	50°	13032.4	10880.3	4053.5	1257.3	598.6	447.4	399.8	379.0	368.7	358.3
14966.9	52.5°	13647.6	10934.2	3591.6	1043.9	532.3	416.3	383.2	364.5	352.1	341.8
15743.7	55°	13921.0	10596.6	2935.0	845.1	480.5	389.4	366.6	348.0	333.5	323.1
16354.7	57.5°	13850.5	9886.1	2288.7	679.4	430.8	362.5	345.9	333.5	316.9	300.3
16849.7	60°	13504.6	8935.4	1725.4	565.5	385.3	333.5	323.1	312.8	290.0	265.1
17040.3	62.5°	12906.0	7740.3	1230.3	468.1	335.5	300.3	296.2	287.9	254.8	209.2
16758.6	65°	11990.5	6288.4	828.5	389.4	287.9	263.1	265.1	250.6	207.1	155.3
15727.1	67.5°	10652.5	4598.2	530.2	319.0	240.3	219.6	221.6	213.3	176.1	132.6
13771.8	70°	8947.9	3044.8	345.9	242.3	192.6	169.8	182.3	184.3	149.1	107.7
10569.7	72.5°	6559.7	1797.9	242.3	180.2	140.8	118.1	149.1	153.3	120.1	80.8
6358.8	75°	3738.6	853.4	182.3	130.5	87.0	82.9	116.0	116.0	82.9	53.9
2752.7	77.5°	1570.0	356.3	128.4	84.9	49.7	47.6	78.7	72.5	41.4	24.9
671.1	80°	453.6	159.5	68.4	41.4	20.7	18.6	31.1	22.8	10.4	4.1
254.8	82.5°	178.1	70.4	26.9	16.6	8.3	8.3	4.1	0.0	0.0	0.0
145.0	85°	105.6	29.0	12.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0
31.1	87.5°	26.9	6.2	4.1	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°
3593.6
3568.8
3415.5
2978.5
2365.4
1845.5
1545.2
1336.0
1203.4
1108.1
1012.8
915.5
824.4
745.7
642.1
555.1
470.2
424.6
397.7
377.0
358.3
339.7
321.0
298.3
261.0
205.1
151.2
126.3
103.6
76.6
49.7
24.9
4.1
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