

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: P849347

Luminaire Tested: **GLAN-SB6B-830-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849347
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-SB6B-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA 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: 22995 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

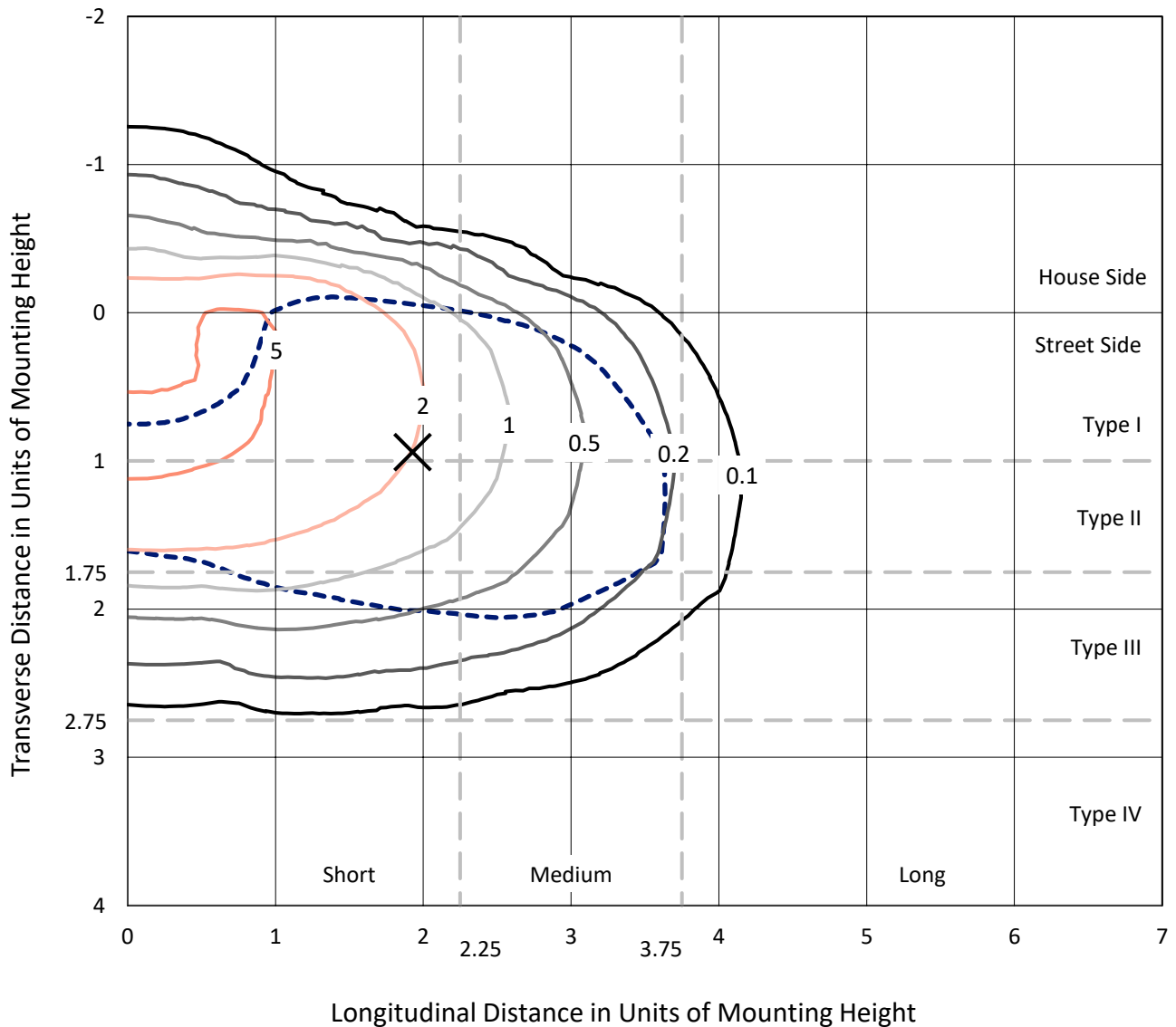
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

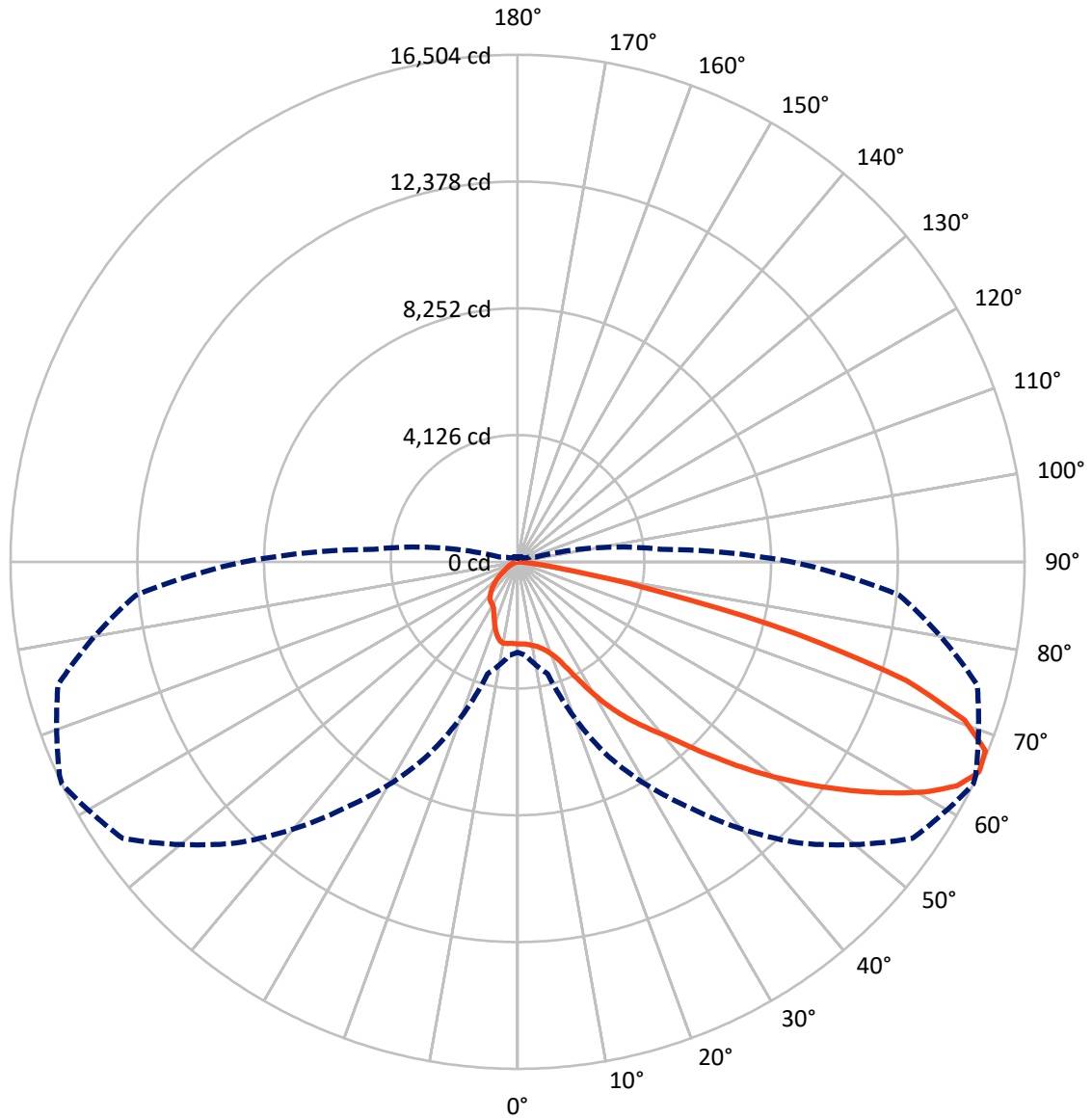
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	3075.1	0.0	3075.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19919.9	0.0	19919.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	22995.0	0.0	22995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	1.1
10°-20°	669.3	2.9
20°-30°	1268.2	5.5
30°-40°	2566.3	11.2
40°-50°	4371.6	19.0
50°-60°	5945.1	25.9
60°-70°	5582.7	24.3
70°-80°	2236.7	9.7
80°-90°	108.4	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°	22995.0	100.0
0°-180°	22995.0	100.0

Coefficient of Utilization



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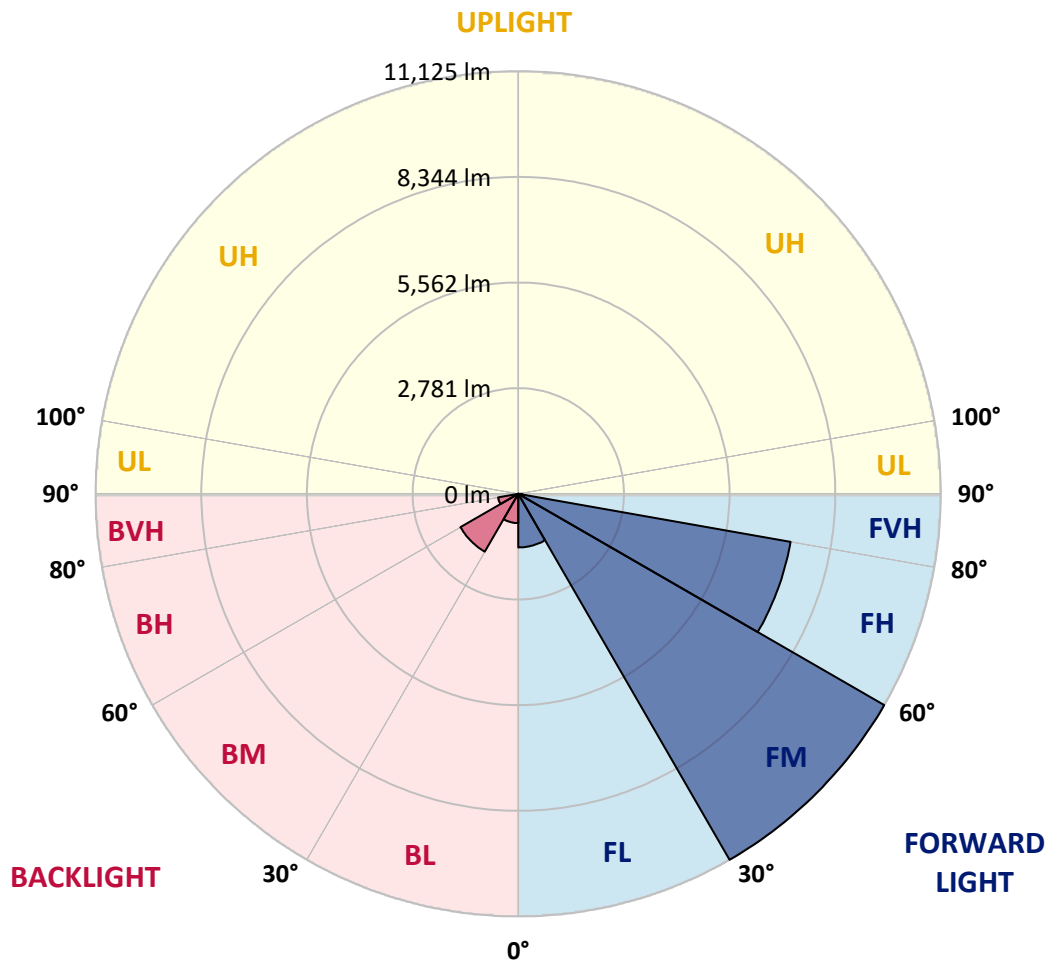
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1412.2	6.1			
FM (30°-60°)	11125.0	48.4			
FH (60°-80°)	7279.7	31.7			G3/7500
FVH (80°-90°)	103.1	0.4			G2/225
BL (0°-30°)	772.1	3.4	B2/1000		
BM (30°-60°)	1758.0	7.6	B2/2500		
BH (60°-80°)	539.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.3	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6
2.5°	2665.3	2683.8	2679.2	2674.6	2673.0	2676.1	2677.6	2676.1	2676.1	2676.1
5°	2614.4	2629.9	2629.9	2640.6	2656.1	2674.6	2688.4	2691.5	2694.6	2699.2
7.5°	2517.3	2529.7	2538.9	2574.4	2612.9	2662.2	2703.8	2725.4	2728.5	2745.5
10°	2451.0	2466.5	2481.9	2518.9	2574.4	2648.4	2719.3	2771.7	2779.4	2819.5
12.5°	2448.0	2463.4	2483.4	2523.5	2588.2	2666.8	2753.2	2828.7	2842.6	2901.2
15°	2480.3	2498.8	2517.3	2566.7	2636.0	2731.6	2824.1	2918.1	2932.0	3015.2
17.5°	2546.6	2571.3	2585.1	2634.5	2708.5	2814.8	2936.6	3044.5	3056.9	3154.0
20°	2677.6	2706.9	2711.6	2751.6	2824.1	2938.2	3083.1	3217.2	3232.6	3343.6
22.5°	2948.9	2990.6	2953.6	2973.6	3038.4	3152.4	3309.7	3479.2	3500.8	3627.2
25°	3426.8	3485.4	3389.8	3355.9	3383.7	3502.4	3699.7	3913.9	3938.6	4040.4
27.5°	4365.6	4290.1	4145.2	4003.4	3920.1	3987.9	4209.9	4475.1	4505.9	4604.6
30°	5396.9	5330.6	5134.8	4820.4	4623.1	4612.3	4817.3	5113.3	5148.7	5242.7
32.5°	6429.7	6366.5	6153.8	5766.9	5424.6	5255.1	5396.9	5725.2	5743.7	5803.9
35°	7445.6	7380.9	7168.1	6771.9	6351.1	5965.7	5938.0	6307.9	6314.1	6377.3
37.5°	8467.6	8413.7	8187.1	7798.6	7383.9	6852.1	6594.7	6859.8	6867.5	6929.2
40°	9196.8	9219.9	9064.2	8763.6	8407.5	7826.4	7331.5	7447.1	7400.9	7504.2
42.5°	9822.6	9868.9	9733.2	9582.2	9375.6	8863.8	8244.1	8224.1	8150.1	8205.6
45°	10363.7	10402.3	10280.5	10245.0	10240.4	9881.2	9241.5	9121.2	9018.0	9007.2
47.5°	10562.6	10636.6	10689.0	10807.7	11038.9	10887.8	10272.8	10086.2	9970.6	9885.8
50°	10638.1	10716.7	10895.5	11240.8	11788.1	11852.8	11299.4	11089.8	10948.0	10793.8
52.5°	10536.4	10676.6	10917.1	11498.3	12292.2	12626.7	12284.5	12101.0	11939.2	11687.9
55°	9936.7	10077.0	10568.7	11495.2	12543.4	13169.3	13215.6	13133.8	12951.9	12555.8
57.5°	8672.7	8880.8	9659.2	11103.7	12538.8	13636.4	14128.1	14186.7	13983.2	13415.9
60°	6921.5	7203.6	8153.2	10235.8	12151.9	13889.2	14928.2	15221.1	15005.3	14263.8
62.5°	4829.6	5156.4	6055.1	8876.1	11267.1	13707.3	15512.4	16053.5	15890.1	15022.2
65°	2945.9	3050.7	3775.2	6984.7	9762.5	12945.8	15692.8	16503.6	16449.7	15486.2
67.5°	1962.4	2050.2	2258.3	4789.5	7578.2	11424.3	15261.2	16425.0	16440.4	15410.7
70°	1182.4	1257.9	1393.5	2785.5	4911.3	9042.6	13924.7	15423.0	15512.4	14401.0
72.5°	487.1	538.0	661.3	1262.5	2543.5	5739.1	11088.2	13241.8	13449.9	12108.7
75°	275.9	302.1	388.5	633.6	1103.7	2674.6	6716.5	9400.3	9707.0	8345.9
77.5°	183.4	195.8	251.3	410.0	621.2	912.6	2870.3	4897.4	5483.2	4558.3
80°	123.3	134.1	172.7	274.4	403.9	391.5	914.1	1814.4	2232.1	1566.2
82.5°	83.2	84.8	123.3	180.4	255.9	189.6	269.8	564.2	709.1	453.2
85°	47.8	46.2	91.0	104.8	114.1	78.6	81.7	169.6	222.0	191.1
87.5°	6.2	9.2	35.5	27.7	15.4	17.0	17.0	29.3	43.2	46.2
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°
2674.6	0°	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6	2674.6
2677.6	2.5°	2677.6	2676.1	2671.5	2666.8	2656.1	2649.9	2653.0	2649.9	2648.4	2649.9
2697.7	5°	2697.7	2693.1	2680.7	2665.3	2643.7	2617.5	2600.6	2575.9	2552.8	2538.9
2751.6	7.5°	2751.6	2747.0	2730.1	2686.9	2617.5	2508.1	2407.9	2320.0	2253.7	2215.2
2838.0	10°	2838.0	2830.3	2804.0	2708.5	2526.6	2287.6	2088.8	1923.8	1815.9	1765.1
2939.7	12.5°	2939.7	2930.5	2884.2	2688.4	2353.9	1980.9	1706.5	1523.0	1422.8	1378.1
3056.9	15°	3059.9	3047.6	2956.7	2592.9	2102.6	1641.7	1390.5	1253.3	1188.5	1148.4
3206.4	17.5°	3209.5	3187.9	3010.6	2449.5	1829.8	1382.8	1196.2	1092.9	1035.9	997.4
3402.2	20°	3403.7	3368.2	3053.8	2278.4	1578.5	1219.4	1065.2	978.9	935.7	901.8
3679.6	22.5°	3675.0	3624.1	3106.2	2093.4	1401.3	1106.8	968.1	904.9	869.4	830.9
4066.6	25°	4011.1	3950.9	3170.9	1922.3	1279.5	1009.7	897.2	844.8	803.1	758.4
4573.7	27.5°	4481.2	4373.3	3248.0	1782.0	1174.6	926.5	832.4	773.8	726.1	689.1
5148.7	30°	5005.4	4828.1	3315.8	1697.2	1079.1	849.4	747.6	689.1	644.4	618.2
5665.1	32.5°	5501.7	5261.2	3360.5	1660.2	992.7	761.5	655.2	591.9	558.0	550.3
6170.8	35°	5970.4	5652.8	3355.9	1624.8	915.7	673.6	564.2	499.5	473.3	477.9
6714.9	37.5°	6509.9	6070.6	3323.5	1569.3	852.5	593.5	485.6	428.5	405.4	407.0
7376.2	40°	7137.3	6553.1	3303.5	1464.5	783.1	519.5	420.8	374.6	357.6	351.5
8073.0	42.5°	7806.3	7020.1	3306.6	1345.8	696.8	453.2	376.1	337.6	322.2	317.6
8848.4	45°	8478.4	7465.6	3311.2	1222.4	605.8	402.3	343.8	311.4	302.1	296.0
9634.6	47.5°	9110.5	7844.9	3224.9	1089.9	516.4	363.8	317.6	296.0	288.3	280.6
10423.8	50°	9699.3	8097.7	3016.8	935.7	445.5	333.0	297.5	282.1	274.4	266.7
11139.1	52.5°	10157.2	8137.7	2673.0	776.9	396.2	309.8	285.2	271.3	262.1	254.4
11717.2	55°	10360.6	7886.5	2184.4	628.9	357.6	289.8	272.9	259.0	248.2	240.5
12171.9	57.5°	10308.2	7357.7	1703.4	505.6	320.6	269.8	257.4	248.2	235.9	223.5
12540.4	60°	10050.8	6650.2	1284.1	420.8	286.7	248.2	240.5	232.8	215.8	197.3
12682.2	62.5°	9605.3	5760.7	915.7	348.4	249.7	223.5	220.4	214.3	189.6	155.7
12472.5	65°	8923.9	4680.1	616.6	289.8	214.3	195.8	197.3	186.5	154.2	115.6
11704.8	67.5°	7928.1	3422.2	394.6	237.4	178.8	163.4	164.9	158.8	131.0	98.7
10249.6	70°	6659.4	2266.1	257.4	180.4	143.4	126.4	135.7	137.2	111.0	80.2
7866.4	72.5°	4882.0	1338.0	180.4	134.1	104.8	87.9	111.0	114.1	89.4	60.1
4732.5	75°	2782.5	635.1	135.7	97.1	64.7	61.7	86.3	86.3	61.7	40.1
2048.7	77.5°	1168.5	265.1	95.6	63.2	37.0	35.5	58.6	54.0	30.8	18.5
499.5	80°	337.6	118.7	50.9	30.8	15.4	13.9	23.1	17.0	7.7	3.1
189.6	82.5°	132.6	52.4	20.0	12.3	6.2	6.2	3.1	0.0	0.0	0.0
107.9	85°	78.6	21.6	9.2	4.6	1.5	0.0	0.0	0.0	0.0	0.0
23.1	87.5°	20.0	4.6	3.1	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°
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2674.6
2656.1
2542.0
2216.7
1760.4
1373.5
1150.0
994.3
895.6
824.7
753.8
681.4
613.5
555.0
477.9
413.1
349.9
316.0
296.0
280.6
266.7
252.8
238.9
222.0
194.2
152.6
112.5
94.0
77.1
57.0
37.0
18.5
3.1
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