

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: P951422

Luminaire Tested: **GLAN-SB5C-827-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-827-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25340 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 249.5
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

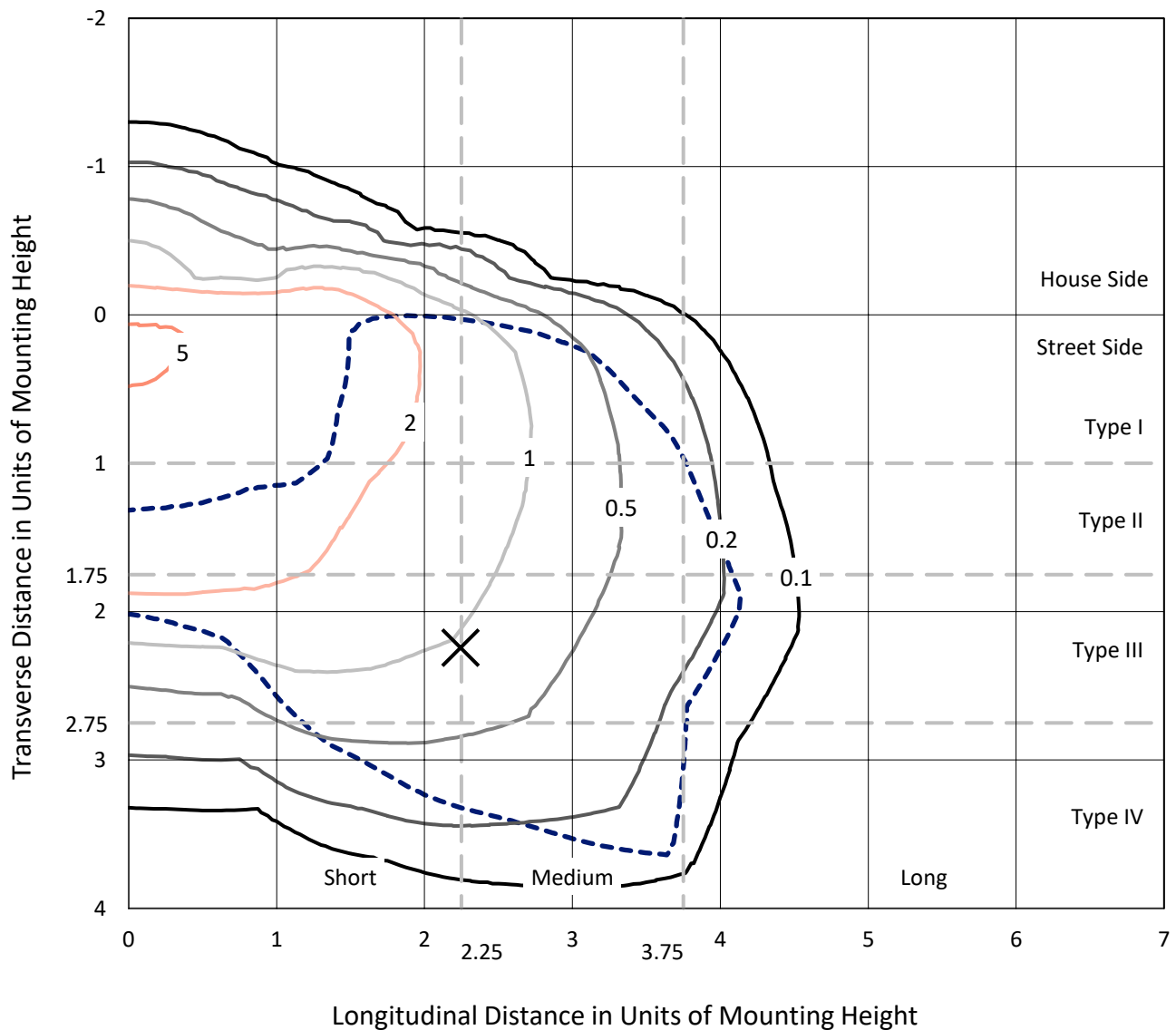


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Iso-Footcandle Lines of Horizontal Illumination

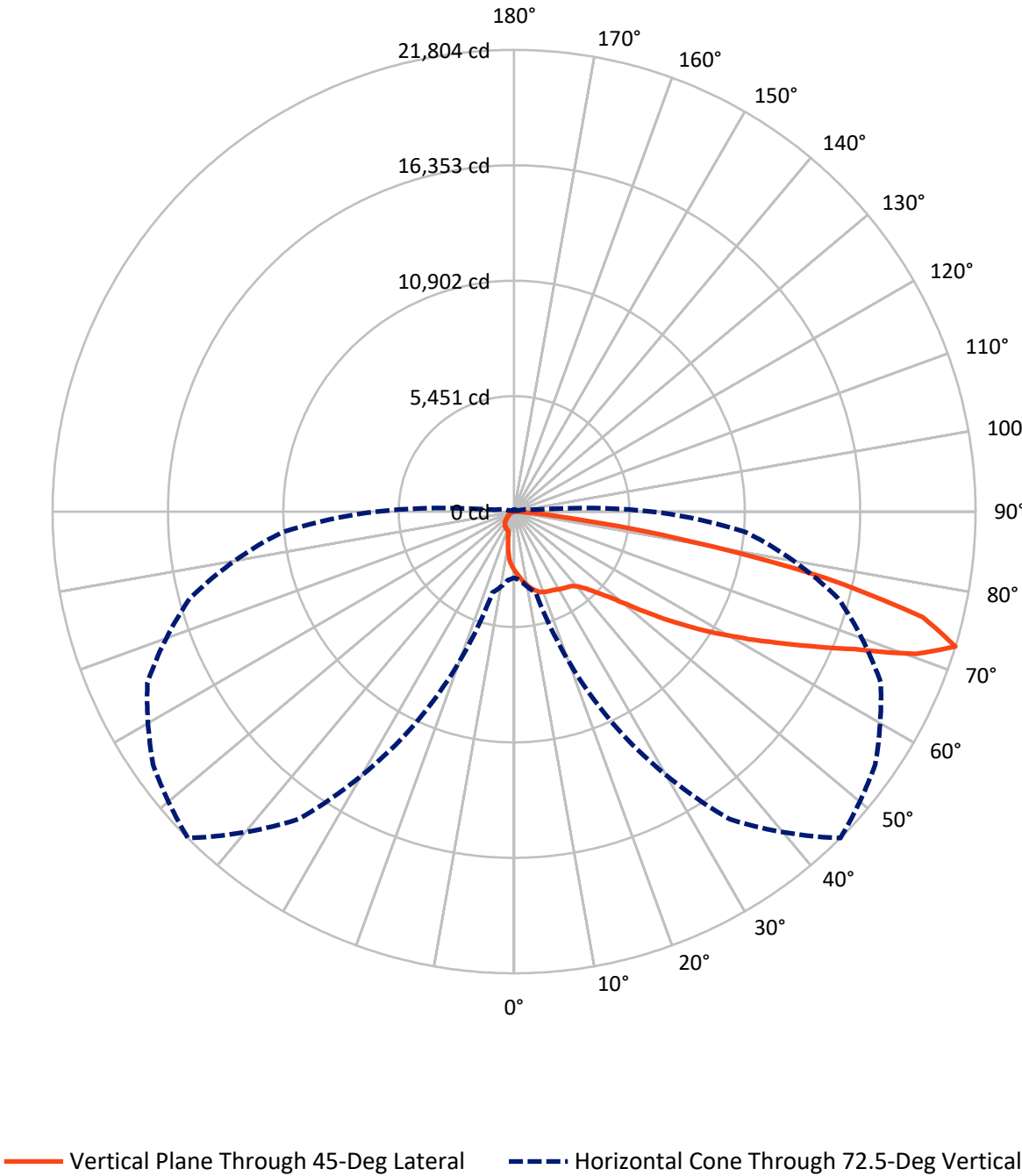
× Max cd
- - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2662.5	0.0	2662.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	22677.5	0.0	22677.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	25340.0	0.0	25340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	1.0
10°-20°	764.4	3.0
20°-30°	1255.3	5.0
30°-40°	1780.3	7.0
40°-50°	2942.7	11.6
50°-60°	5286.2	20.9
60°-70°	7340.2	29.0
70°-80°	5324.4	21.0
80°-90°	384.9	1.5
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°	25340.0	100.0
0°-180°	25340.0	100.0

Coefficient of Utilization



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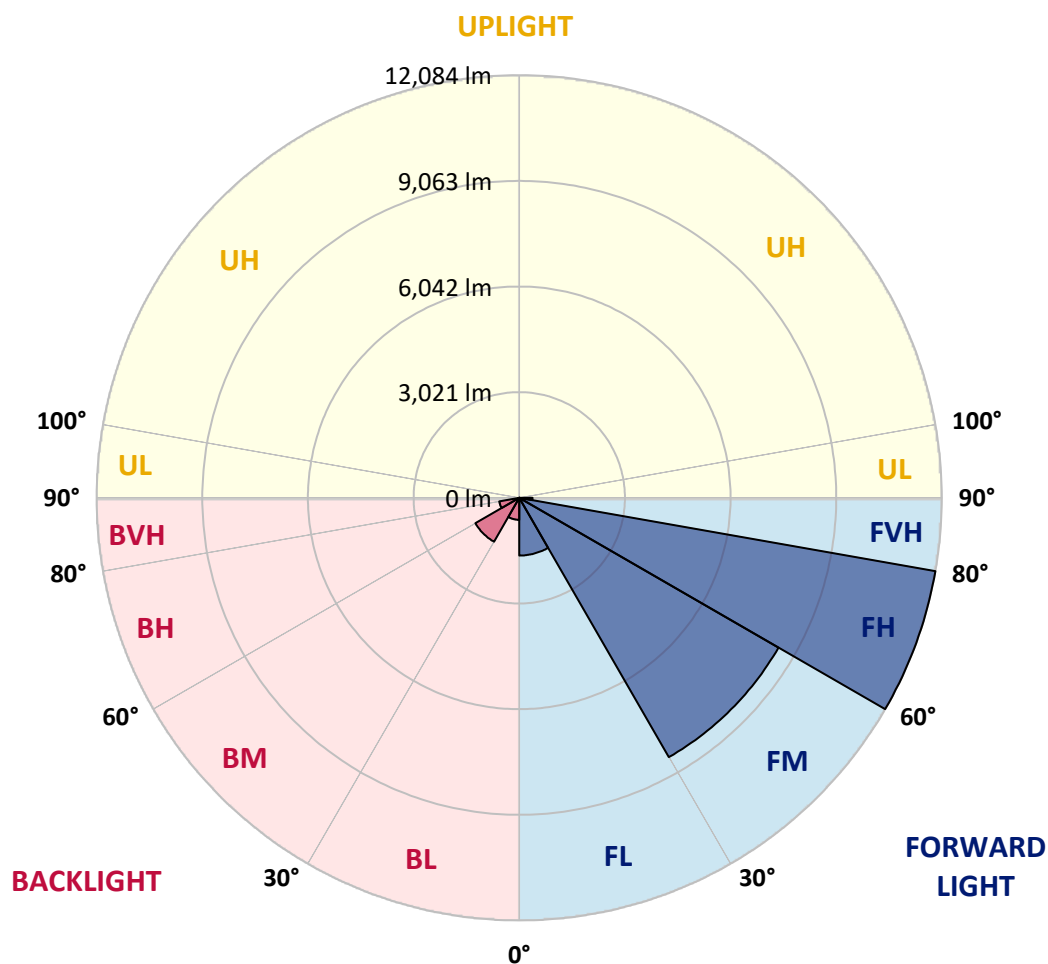
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1650.6	6.5			
FM	(30°-60°)	8561.2	33.8			
FH	(60°-80°)	12083.9	47.7			G5
FVH	(80°-90°)	381.7	1.5			G3/500
BL	(0°-30°)	630.6	2.5	B2/1000		
BM	(30°-60°)	1448.0	5.7	B2/2500		
BH	(60°-80°)	580.6	2.3	B2/1000		G2/1000
BVH	(80°-90°)	3.2	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1
2.5°	3032.0	3037.2	3033.8	3013.0	2978.4	2959.4	2949.0	2914.4	2891.9	2852.2
5°	3310.5	3331.3	3319.2	3277.6	3211.9	3165.2	3151.4	3080.5	3016.5	2942.1
7.5°	3606.3	3616.6	3594.2	3540.5	3452.3	3372.8	3360.7	3262.1	3160.0	3045.9
10°	3862.3	3874.4	3839.8	3761.9	3661.6	3563.0	3545.7	3436.8	3315.7	3175.6
12.5°	4076.7	4088.8	4043.9	3950.5	3839.8	3737.7	3720.4	3606.3	3473.1	3317.4
15°	4239.3	4261.8	4201.3	4100.9	3981.6	3879.6	3870.9	3758.5	3628.8	3455.8
17.5°	4334.4	4356.9	4299.9	4178.8	4076.7	3990.2	3979.9	3886.5	3765.4	3599.4
20°	4350.0	4370.8	4310.2	4204.7	4120.0	4050.8	4045.6	3978.1	3889.9	3730.8
22.5°	4303.3	4329.3	4273.9	4189.2	4130.3	4094.0	4087.1	4049.1	3998.9	3864.0
25°	4254.9	4275.6	4234.1	4159.8	4128.6	4125.2	4130.3	4123.4	4113.1	3998.9
27.5°	4251.4	4273.9	4227.2	4156.3	4139.0	4175.3	4180.5	4213.4	4222.0	4121.7
30°	4280.8	4296.4	4251.4	4177.0	4168.4	4251.4	4253.2	4312.0	4325.8	4225.5
32.5°	4344.8	4362.1	4317.1	4208.2	4196.1	4312.0	4317.1	4395.0	4417.5	4336.2
35°	4495.3	4516.1	4464.2	4294.7	4251.4	4369.0	4384.6	4476.3	4521.2	4453.8
37.5°	4870.6	4810.1	4739.2	4469.4	4377.7	4459.0	4484.9	4592.2	4671.7	4593.9
40°	5802.9	5612.6	5391.2	4766.9	4599.1	4651.0	4671.7	4779.0	4887.9	4811.8
42.5°	7202.2	6977.3	6621.0	5451.8	4932.9	4958.8	4974.4	5067.8	5221.7	5161.2
45°	8449.2	8367.9	8004.7	6621.0	5557.3	5429.3	5448.3	5496.8	5723.3	5700.8
47.5°	9407.4	9360.7	9080.5	7963.2	6612.4	6005.3	6058.9	6081.4	6408.3	6487.8
50°	10144.3	10127.0	9876.2	9156.6	7990.9	6854.5	6873.5	6825.1	7314.6	7511.8
52.5°	10839.6	10898.4	10713.3	10265.3	9462.8	7966.7	7963.2	7734.9	8395.6	8693.1
55°	11467.4	11488.2	11507.2	11396.5	10943.3	9232.7	9199.9	8826.3	9649.6	9957.5
57.5°	12057.2	12065.9	12235.4	12462.0	12484.4	10592.2	10531.7	10083.7	11019.5	11239.1
60°	12453.3	12493.1	12851.1	13480.7	13755.7	11995.0	11962.1	11505.5	12413.5	12515.6
62.5°	11882.5	12124.7	13027.5	14276.3	14956.1	13549.9	13534.3	13105.4	13880.3	13797.2
65°	9618.5	10028.4	11616.2	14814.3	16134.0	15286.4	15308.9	14852.3	15386.8	15116.9
67.5°	6728.2	7160.7	9039.0	14857.5	17450.2	17325.7	17455.4	16739.3	16986.7	16381.3
70°	4652.7	4875.8	6098.7	13927.0	18475.9	20134.6	20131.1	19057.0	18577.9	16957.3
72.5°	3128.9	3244.8	3960.8	11048.9	17721.8	21803.7	21703.4	20828.2	19114.1	15858.9
75°	1319.7	1404.5	1833.4	6209.4	14020.4	19947.8	19676.2	18406.7	16983.2	12487.9
77.5°	418.6	454.9	723.0	2222.6	7722.8	14994.1	14707.0	11495.1	11382.7	6264.7
80°	198.9	231.8	406.5	892.5	3039.0	8155.2	8115.4	5214.8	4896.6	1691.6
82.5°	86.5	102.0	224.9	477.4	1359.5	2909.2	2968.0	1774.6	1468.5	641.7
85°	27.7	36.3	103.8	219.7	574.2	723.0	714.3	422.0	591.5	349.4
87.5°	0.0	0.0	34.6	50.2	58.8	41.5	46.7	36.3	164.3	96.9
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°
2776.1	0°	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1	2776.1
2810.6	2.5°	2789.9	2762.2	2713.8	2668.8	2629.0	2589.3	2565.0	2530.4	2527.0	2527.0
2855.6	5°	2808.9	2763.9	2677.5	2585.8	2480.3	2380.0	2279.6	2182.8	2151.7	2129.2
2928.3	7.5°	2864.3	2793.3	2656.7	2482.0	2281.4	2061.7	1907.8	1741.7	1677.7	1643.1
3025.1	10°	2943.8	2847.0	2639.4	2333.3	2008.1	1708.9	1489.2	1309.3	1240.1	1210.7
3130.6	12.5°	3032.0	2912.7	2608.3	2148.2	1708.9	1350.8	1136.4	1053.3	1043.0	1043.0
3256.9	15°	3137.5	2992.3	2554.7	1930.3	1395.8	1068.9	992.8	996.3	1006.6	1013.6
3379.7	17.5°	3246.5	3077.0	2469.9	1686.4	1119.1	961.7	963.4	968.6	977.2	984.2
3512.9	20°	3364.1	3161.8	2357.5	1426.9	959.9	930.5	935.7	940.9	947.8	951.3
3637.4	22.5°	3490.4	3241.3	2224.3	1172.7	906.3	904.6	906.3	911.5	920.2	920.2
3782.7	25°	3625.3	3329.5	2072.1	987.6	878.7	878.7	882.1	885.6	892.5	892.5
3922.8	27.5°	3763.7	3410.8	1911.2	890.8	854.4	852.7	852.7	857.9	861.4	863.1
4061.2	30°	3915.9	3506.0	1750.4	870.0	835.4	826.8	821.6	825.0	828.5	830.2
4206.5	32.5°	4071.5	3597.6	1606.8	878.7	816.4	800.8	783.5	780.1	780.1	787.0
4356.9	35°	4244.5	3697.9	1496.1	908.1	806.0	762.8	735.1	719.5	721.3	731.6
4536.8	37.5°	4452.1	3819.0	1414.8	934.0	799.1	719.5	674.6	655.5	643.4	655.5
4784.1	40°	4723.6	3997.2	1356.0	954.8	790.4	669.4	608.8	577.7	555.2	562.1
5168.1	42.5°	5123.2	4277.4	1333.5	956.5	771.4	610.6	541.4	499.9	467.0	468.7
5745.8	45°	5683.6	4720.2	1449.4	934.0	729.9	546.6	470.5	415.1	394.4	389.2
6608.9	47.5°	6451.5	5365.3	1717.5	887.3	669.4	484.3	401.3	354.6	339.0	330.4
7741.8	50°	7480.6	6193.8	2015.0	835.4	608.8	425.5	344.2	314.8	304.4	295.8
9085.7	52.5°	8674.1	7034.4	2258.9	783.5	548.3	373.6	307.9	290.6	281.9	275.0
10382.9	55°	9768.9	7613.8	2245.1	728.2	489.5	332.1	281.9	271.6	261.2	254.3
11500.3	57.5°	10450.4	7695.1	1850.7	667.6	422.0	299.2	257.7	250.8	238.7	230.0
12467.1	60°	10763.5	7231.6	1297.2	588.1	354.6	268.1	231.8	228.3	212.7	200.6
13382.1	62.5°	10820.5	6370.2	864.8	489.5	295.8	238.7	205.8	200.6	179.9	159.1
14125.9	65°	10588.8	5138.7	598.5	382.2	252.5	207.6	176.4	166.0	143.6	122.8
14302.3	67.5°	9855.4	3608.0	416.8	275.0	214.5	164.3	140.1	136.6	119.3	102.0
13402.9	70°	8511.5	2056.5	278.5	205.8	169.5	112.4	110.7	114.2	96.9	83.0
10950.3	72.5°	6525.9	940.9	173.0	150.5	115.9	76.1	88.2	89.9	74.4	62.3
6832.0	75°	3841.5	403.0	109.0	96.9	58.8	50.2	64.0	65.7	50.2	39.8
2497.6	77.5°	1307.6	152.2	69.2	57.1	29.4	27.7	41.5	41.5	27.7	15.6
501.6	80°	297.5	57.1	34.6	22.5	13.8	12.1	13.8	12.1	6.9	1.7
153.9	82.5°	84.8	22.5	13.8	8.6	5.2	5.2	1.7	0.0	0.0	0.0
53.6	85°	24.2	10.4	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
19.0	87.5°	10.4	1.7	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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180°
2776.1
2535.6
2139.5
1648.3
1210.7
1043.0
1013.6
984.2
953.0
923.6
894.2
864.8
833.7
792.2
736.8
652.1
558.7
461.8
382.2
325.2
294.0
273.3
250.8
228.3
197.2
148.7
115.9
96.9
76.1
55.3
34.6
12.1
0.0
0.0
0.0
0.0
0.0