

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: P849395

Luminaire Tested: **GLAN-SB6B-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16822 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

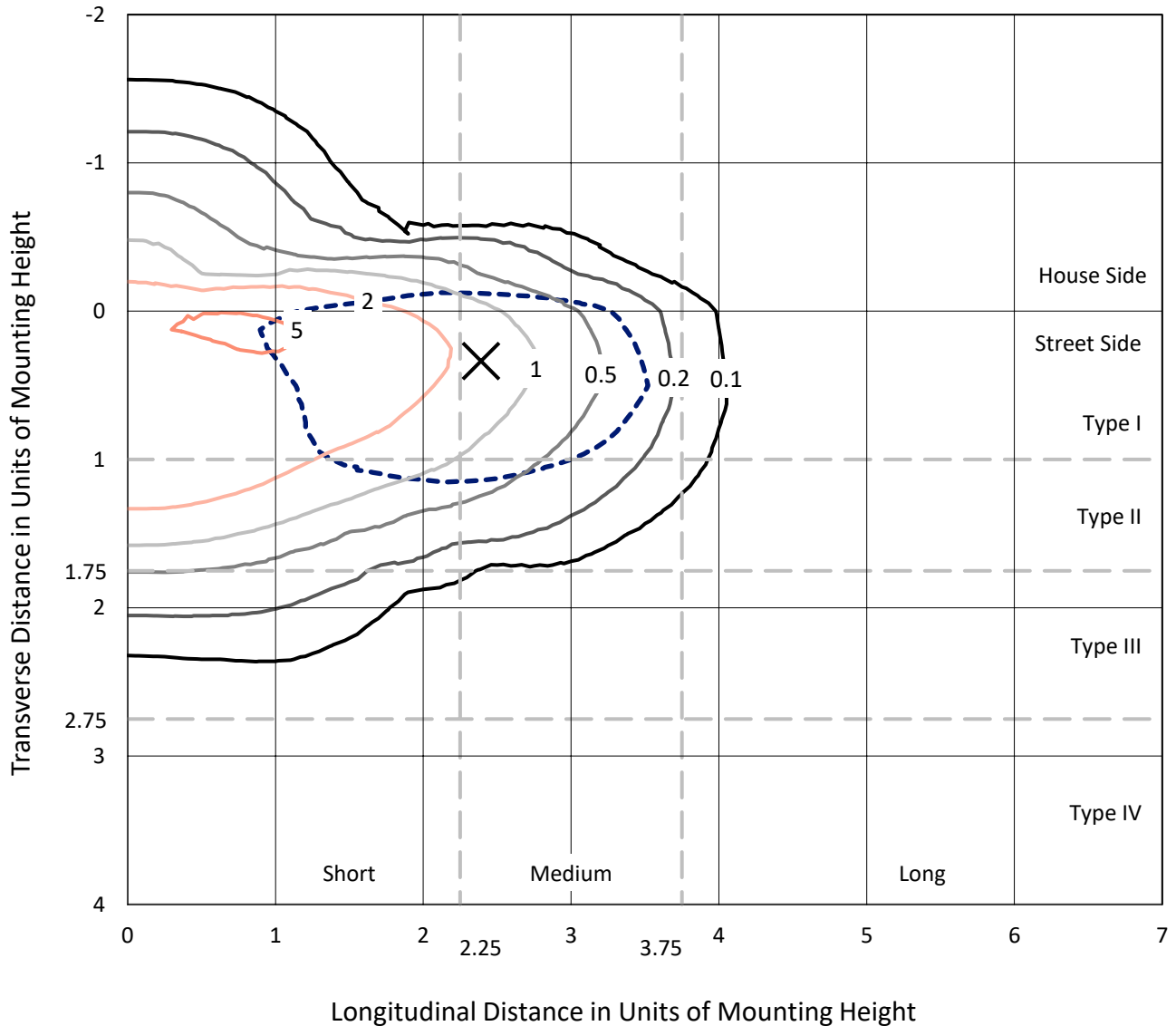
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

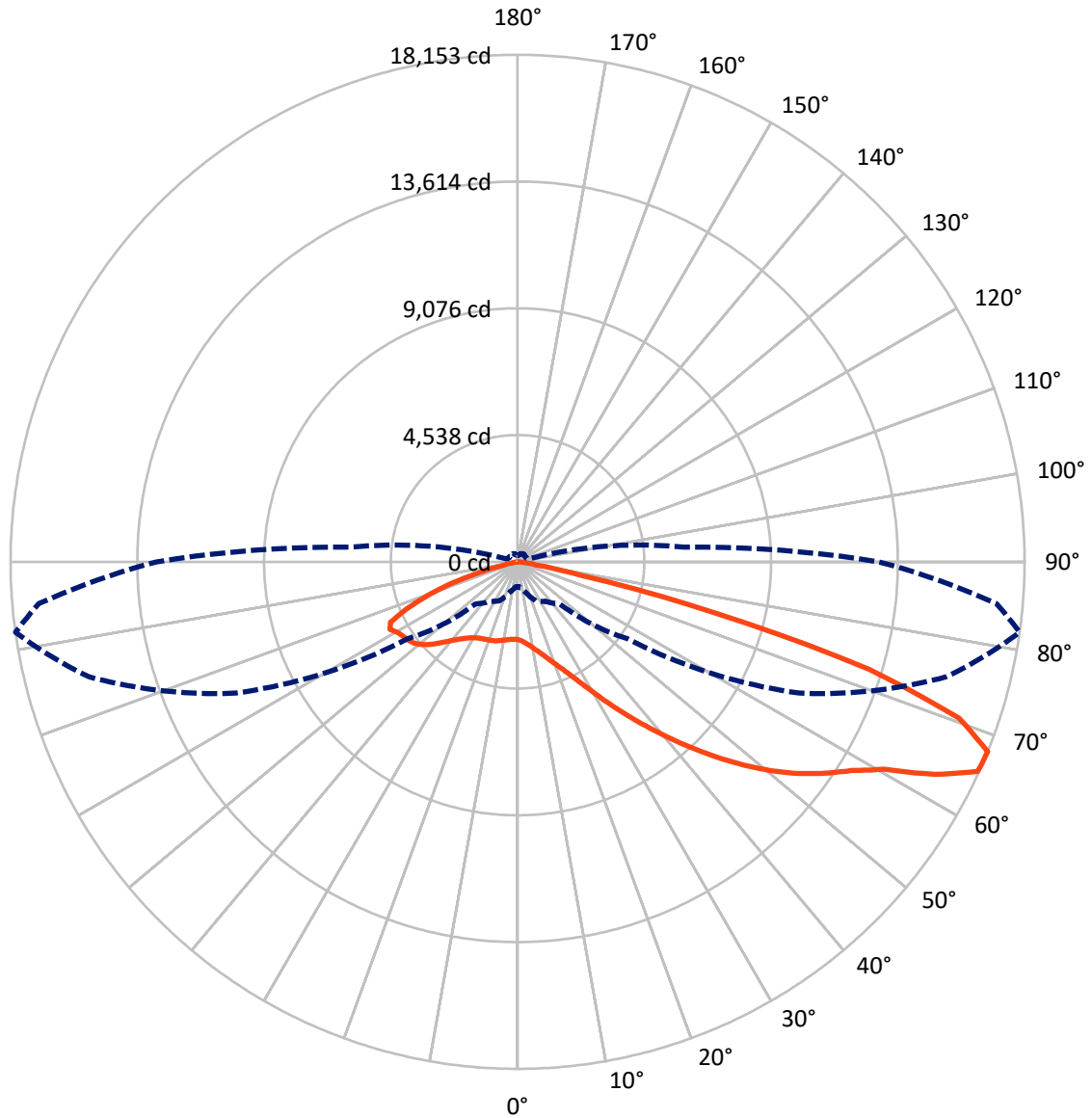
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3047.2	0.0	3047.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13774.8	0.0	13774.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	16822.0	0.0	16822.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.3	1.5
10°-20°	645.2	3.8
20°-30°	1033.4	6.1
30°-40°	1827.4	10.9
40°-50°	3201.7	19.0
50°-60°	4270.2	25.4
60°-70°	3975.3	23.6
70°-80°	1525.7	9.1
80°-90°	94.8	0.6
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°	16822.0	100.0
0°-180°	16822.0	100.0

Coefficient of Utilization



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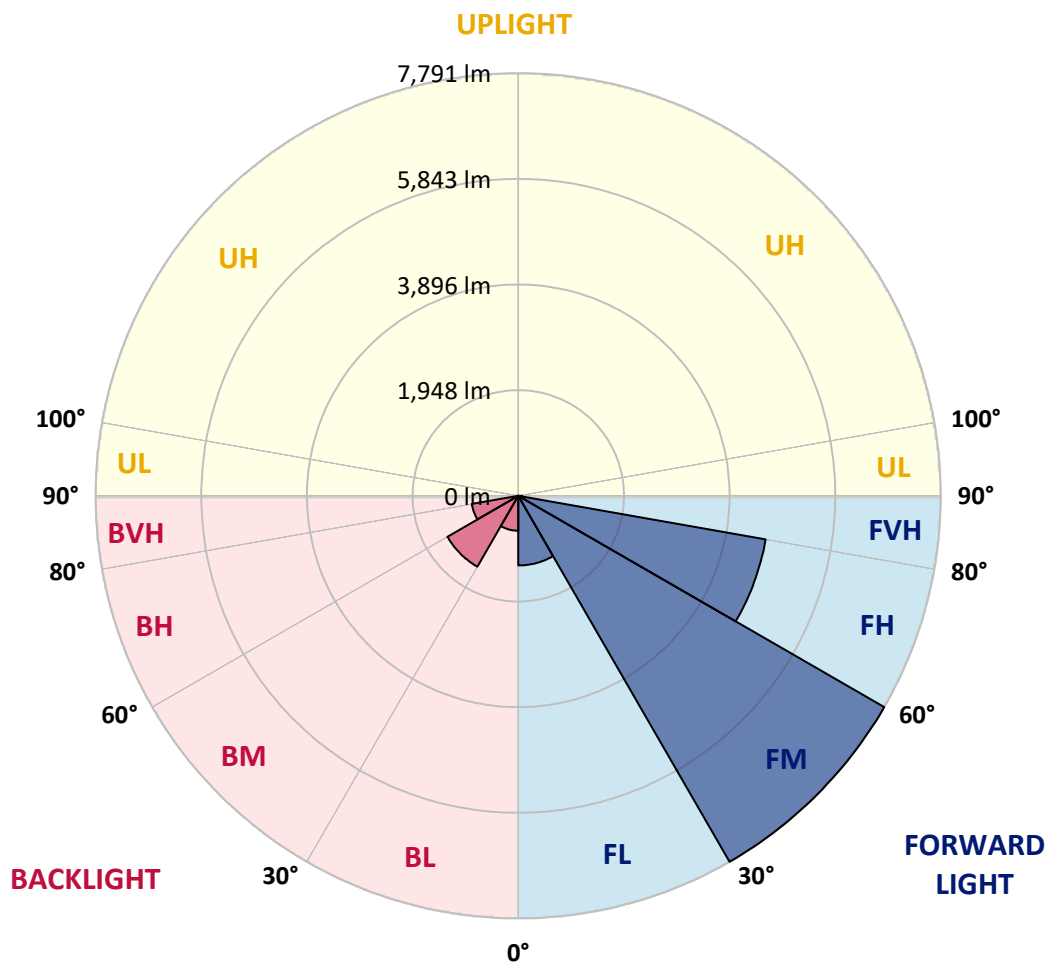
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1283.3	7.6			
FM (30°-60°)	7791.3	46.3			
FH (60°-80°)	4631.4	27.5			G2/5000
FVH (80°-90°)	68.9	0.4			G1/100
BL (0°-30°)	643.6	3.8	B2/1000		
BM (30°-60°)	1508.0	9.0	B2/2500		
BH (60°-80°)	869.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	25.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8
2.5°	2945.5	2962.5	2952.8	2947.9	2939.4	2927.3	2917.6	2887.4	2855.9	2835.3
5°	3004.8	3021.8	3020.6	3025.4	3031.5	3035.1	3032.7	2998.8	2954.0	2918.9
7.5°	2954.0	2973.4	2989.1	3013.3	3055.7	3100.5	3122.3	3115.1	3069.0	3020.6
10°	2809.8	2830.4	2868.0	2924.9	3014.5	3111.4	3192.6	3230.1	3201.0	3147.8
12.5°	2545.8	2566.4	2640.3	2763.8	2914.0	3082.4	3237.4	3337.9	3345.2	3291.9
15°	2249.1	2269.7	2348.4	2503.4	2732.3	3002.4	3261.6	3451.8	3515.9	3469.9
17.5°	2065.0	2083.2	2142.5	2267.3	2505.9	2842.5	3253.1	3572.9	3719.4	3683.1
20°	2009.3	2025.0	2052.9	2140.1	2338.7	2676.6	3197.4	3686.7	3938.6	3918.0
22.5°	2068.6	2083.2	2091.6	2130.4	2255.1	2567.6	3127.2	3803.0	4193.0	4195.4
25°	2205.5	2220.0	2210.3	2234.6	2289.1	2533.7	3100.5	3939.8	4512.7	4539.4
27.5°	2430.8	2432.0	2409.0	2407.7	2416.2	2584.6	3128.4	4086.4	4916.0	4965.7
30°	2882.5	2864.3	2775.9	2680.3	2636.7	2737.2	3205.9	4259.6	5392.0	5480.4
32.5°	3578.9	3552.3	3390.0	3161.1	2931.0	2983.0	3345.2	4457.0	5910.4	6070.2
35°	4334.7	4327.4	4157.8	3817.5	3415.4	3333.1	3571.7	4716.2	6476.0	6730.3
37.5°	5037.1	5033.5	4936.6	4535.7	4046.4	3821.2	3935.0	5055.3	7081.5	7449.7
40°	5679.0	5689.9	5593.1	5234.6	4741.6	4447.3	4429.1	5474.4	7754.9	8233.3
42.5°	6233.7	6245.9	6147.8	5882.5	5428.3	5140.1	5035.9	5987.9	8412.6	9075.1
45°	6610.4	6685.5	6671.0	6459.0	6133.2	5834.1	5765.0	6632.2	9162.3	9967.7
47.5°	6717.0	6786.0	6895.0	6924.1	6725.5	6431.2	6513.5	7408.6	9920.5	10861.5
50°	6454.2	6518.4	6744.8	7046.4	7184.5	7093.7	7241.4	8240.6	10696.8	11752.9
52.5°	5935.8	6001.2	6287.0	6764.2	7327.4	7613.2	7971.7	9060.5	11448.9	12597.1
55°	5186.1	5255.1	5622.1	6162.3	7054.9	7827.6	8580.9	9879.3	12138.1	13356.5
57.5°	4166.3	4217.2	4598.7	5354.5	6369.4	7614.4	9030.3	10773.1	12787.2	14102.5
60°	2715.4	2760.2	3203.5	4046.4	5233.3	6902.3	9119.9	11769.9	13649.6	15072.7
62.5°	1805.8	1836.1	2098.9	2717.8	3685.5	5534.9	8595.5	12565.6	14914.0	16761.0
65°	1239.0	1269.3	1532.1	1963.3	2381.1	3661.3	7087.6	12460.2	16059.7	18101.7
67.5°	884.1	909.6	1132.4	1539.4	1723.5	2126.8	4804.6	11113.4	15895.0	18152.6
70°	633.4	648.0	832.1	1199.0	1369.8	1277.8	2671.8	8499.8	13917.2	16762.2
72.5°	443.3	448.1	577.7	913.2	1103.3	932.6	1271.7	5666.9	10526.0	13156.6
75°	300.4	306.4	388.8	669.8	885.3	712.2	673.4	3038.8	6179.2	7282.6
77.5°	184.1	186.5	250.7	457.8	662.5	542.6	433.6	1287.4	2390.8	2347.2
80°	104.2	104.2	159.9	284.6	451.8	350.0	304.0	547.4	757.0	664.9
82.5°	58.1	59.3	116.3	176.8	299.2	207.1	167.1	253.1	327.0	289.5
85°	24.2	26.6	71.5	83.6	142.9	102.9	67.8	106.6	121.1	107.8
87.5°	2.4	3.6	21.8	15.7	17.0	20.6	9.7	20.6	17.0	17.0
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°
2786.8	0°	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8	2786.8
2828.0	2.5°	2805.0	2786.8	2740.8	2687.5	2617.3	2583.4	2537.3	2505.9	2479.2	2481.6
2898.3	5°	2859.5	2813.5	2710.5	2582.2	2422.3	2308.4	2187.3	2103.8	2035.9	2021.4
2995.2	7.5°	2934.6	2861.9	2681.5	2450.1	2180.1	1975.4	1792.5	1675.0	1591.4	1564.8
3112.6	10°	3031.5	2926.1	2643.9	2284.2	1895.4	1635.0	1438.8	1346.8	1289.9	1270.5
3250.7	12.5°	3144.1	3000.0	2594.3	2082.0	1602.3	1351.6	1226.9	1180.9	1162.7	1156.6
3420.3	15°	3285.8	3092.0	2519.2	1842.1	1354.1	1178.4	1125.2	1119.1	1121.5	1119.1
3623.7	17.5°	3454.2	3192.6	2396.8	1595.1	1186.9	1090.0	1070.6	1075.5	1081.5	1080.3
3851.4	20°	3638.3	3291.9	2240.6	1375.9	1073.1	1027.0	1016.1	1021.0	1025.8	1023.4
4114.2	22.5°	3847.8	3398.5	2067.4	1205.1	996.8	968.9	956.8	958.0	958.0	953.2
4447.3	25°	4098.5	3515.9	1885.7	1084.0	938.6	916.8	902.3	897.5	890.2	875.7
4851.8	27.5°	4397.7	3640.7	1711.3	999.2	892.6	872.0	855.1	843.0	824.8	800.6
5337.5	30°	4734.4	3792.1	1563.6	945.9	856.3	835.7	816.3	798.1	771.5	741.2
5895.8	32.5°	5130.4	3954.4	1455.8	910.8	823.6	801.8	778.8	757.0	727.9	697.6
6523.2	35°	5602.7	4150.6	1392.8	886.6	798.1	769.1	743.6	719.4	697.6	671.0
7205.1	37.5°	6115.1	4358.9	1373.4	874.4	781.2	736.4	707.3	690.4	687.9	672.2
7942.7	40°	6675.8	4606.0	1388.0	867.2	763.0	704.9	673.4	669.8	675.8	648.0
8731.1	42.5°	7269.3	4899.1	1412.2	858.7	737.6	673.4	643.1	643.1	638.3	599.5
9564.4	45°	7911.2	5237.0	1436.4	838.1	707.3	641.9	618.9	610.4	589.8	552.3
10402.5	47.5°	8557.9	5580.9	1454.6	800.6	671.0	615.3	594.7	575.3	545.0	511.1
11224.9	50°	9172.0	5889.8	1435.2	744.9	629.8	589.8	568.0	541.4	508.7	485.7
12003.6	52.5°	9720.6	6157.4	1352.8	679.5	586.2	563.2	543.8	515.9	489.3	465.1
12706.1	55°	10197.8	6374.2	1207.5	617.7	547.4	540.2	520.8	485.7	449.3	428.7
13402.5	57.5°	10655.6	6539.0	1025.8	566.8	512.3	514.7	485.7	454.2	420.3	398.5
14341.1	60°	11264.8	6759.4	841.7	519.6	474.8	482.0	450.5	427.5	385.1	357.3
15950.7	62.5°	12238.6	7102.1	668.5	461.4	431.2	433.6	420.3	392.4	341.5	308.8
17143.7	65°	13011.3	6976.2	526.8	398.5	381.5	385.1	385.1	354.9	300.4	262.8
17207.9	67.5°	12924.1	5973.3	420.3	336.7	334.3	336.7	345.2	319.7	266.5	236.2
15897.4	70°	11905.5	4751.3	336.7	279.8	290.7	284.6	308.8	291.9	239.8	209.5
12324.6	72.5°	9714.6	3422.7	256.8	231.3	222.8	232.5	278.6	262.8	199.8	165.9
6528.1	75°	5676.6	1826.4	191.4	182.9	161.1	193.8	247.1	224.1	152.6	122.3
2000.8	77.5°	1848.2	637.1	140.5	134.4	119.9	156.2	210.7	188.9	124.7	96.9
586.2	80°	495.4	192.6	95.7	88.4	77.5	116.3	167.1	150.2	89.6	63.0
251.9	82.5°	198.6	81.1	55.7	49.7	42.4	79.9	132.0	121.1	66.6	40.0
78.7	85°	64.2	26.6	20.6	15.7	19.4	49.7	78.7	82.4	47.2	20.6
12.1	87.5°	8.5	3.6	3.6	4.8	3.6	8.5	24.2	23.0	13.3	2.4
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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2786.8
2457.4
1988.7
1538.1
1256.0
1153.0
1117.9
1077.9
1022.2
950.7
873.2
798.1
738.8
698.8
668.5
671.0
649.2
599.5
551.1
509.9
482.0
462.7
426.3
396.0
353.7
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259.2
231.3
205.9
162.3
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