

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: P952157

Luminaire Tested: **GLAN-SB6A-830-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952157
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-SB6A-830-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA 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: 18828 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

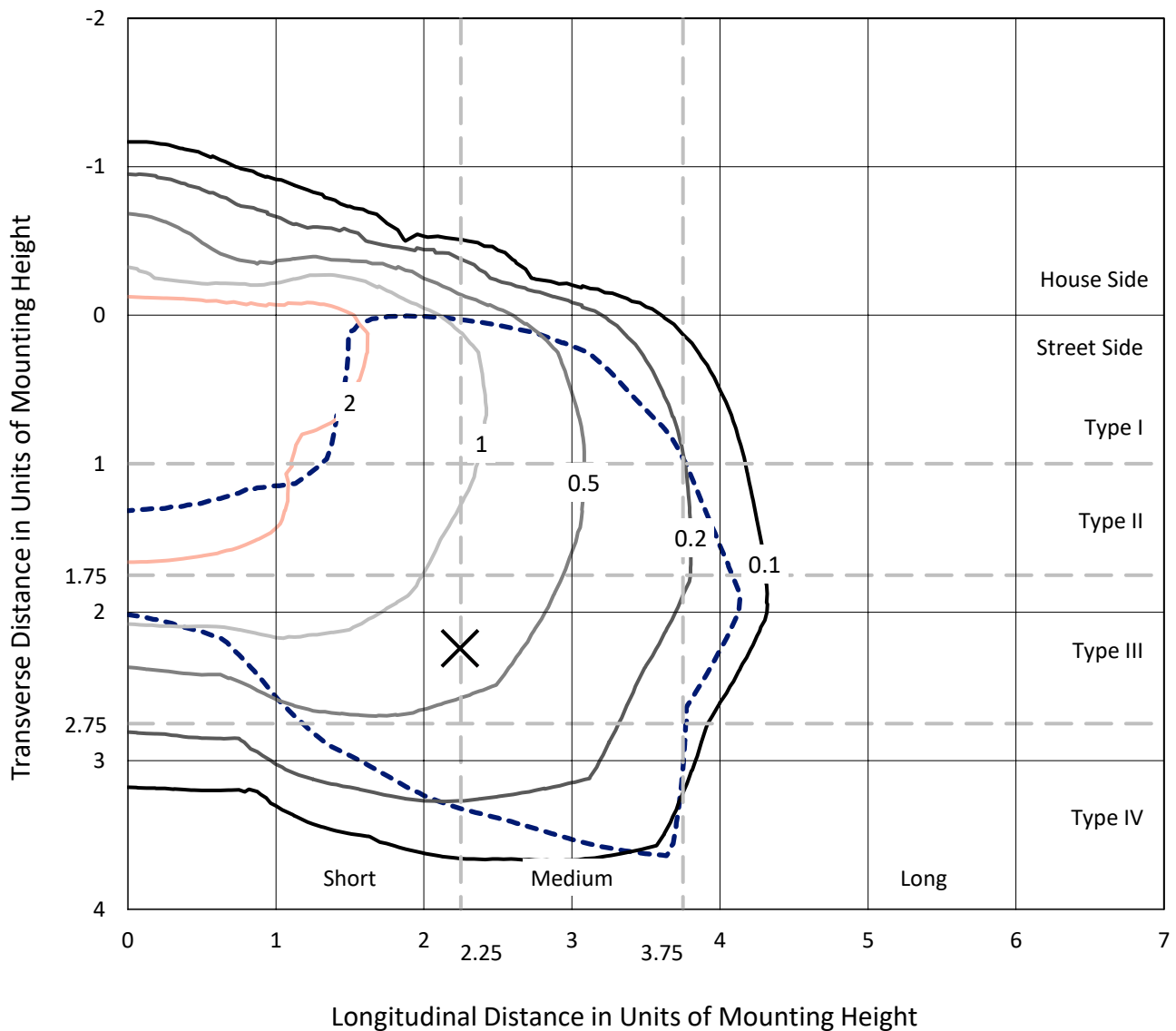
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952157
CATALOG NUMBER: GLAN-SB6A-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

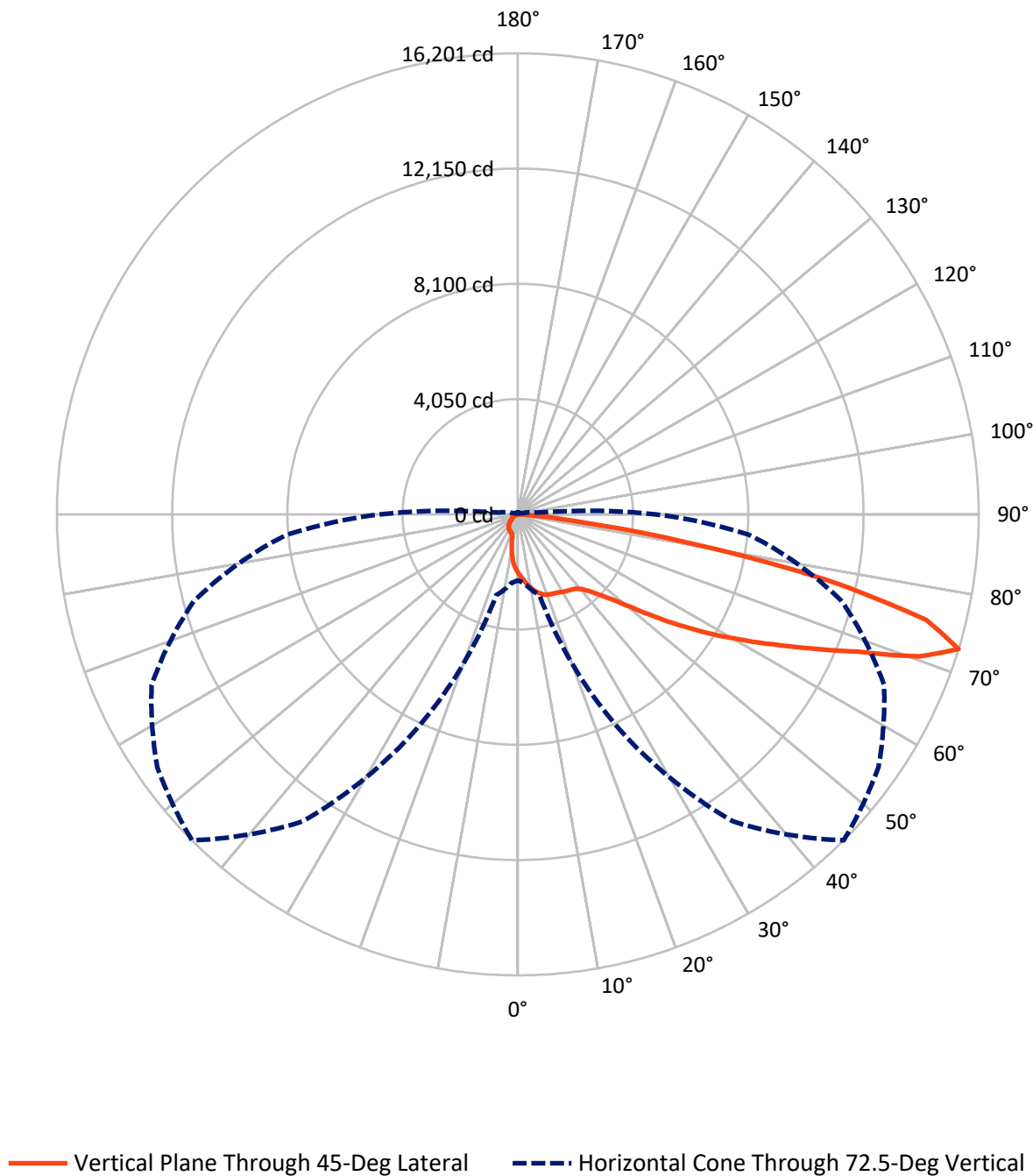
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type IV - Short - N/A

REPORT NUMBER: P952157
CATALOG NUMBER: GLAN-SB6A-830-U-T4W-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1978.3	0.0	1978.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	16849.7	0.0	16849.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	18828.0	0.0	18828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	1.0
10°-20°	568.0	3.0
20°-30°	932.7	5.0
30°-40°	1322.8	7.0
40°-50°	2186.5	11.6
50°-60°	3927.7	20.9
60°-70°	5453.9	29.0
70°-80°	3956.1	21.0
80°-90°	286.0	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°	18828.0	100.0
0°-180°	18828.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952157

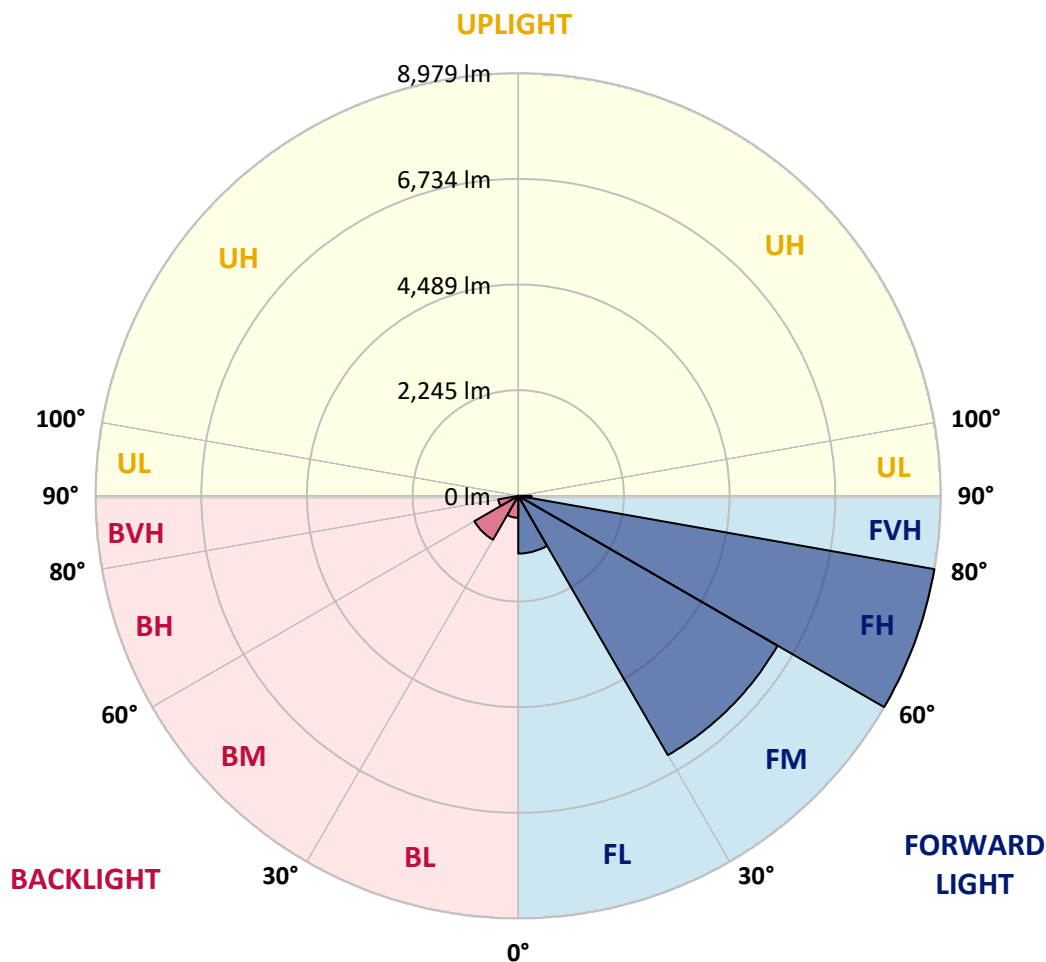
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1226.5	6.5			
FM	(30°-60°)	6361.1	33.8			
FH	(60°-80°)	8978.5	47.7			G4/12000
FVH	(80°-90°)	283.6	1.5			G3/500
BL	(0°-30°)	468.6	2.5	B1/500		
BM	(30°-60°)	1075.9	5.7	B2/2500		
BH	(60°-80°)	431.4	2.3	B1/500		G1/500
BVH	(80°-90°)	2.4	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



REPORT NUMBER: P952157

CATALOG NUMBER: GLAN-SB6A-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6
2.5°	2252.8	2256.7	2254.1	2238.7	2213.0	2198.9	2191.2	2165.5	2148.8	2119.2
5°	2459.8	2475.2	2466.2	2435.3	2386.5	2351.8	2341.5	2288.8	2241.3	2186.0
7.5°	2679.5	2687.2	2670.5	2630.7	2565.1	2506.0	2497.0	2423.8	2347.9	2263.1
10°	2869.7	2878.7	2853.0	2795.2	2720.6	2647.4	2634.5	2553.6	2463.6	2359.5
12.5°	3029.1	3038.1	3004.7	2935.3	2853.0	2777.2	2764.3	2679.5	2580.6	2464.9
15°	3149.9	3166.6	3121.6	3047.1	2958.4	2882.6	2876.1	2792.6	2696.2	2567.7
17.5°	3220.6	3237.3	3194.9	3104.9	3029.1	2964.8	2957.1	2887.7	2797.7	2674.4
20°	3232.1	3247.5	3202.6	3124.2	3061.2	3009.8	3005.9	2955.8	2890.3	2772.0
22.5°	3197.4	3216.7	3175.6	3112.6	3068.9	3041.9	3036.8	3008.5	2971.2	2871.0
25°	3161.4	3176.9	3146.0	3090.8	3067.6	3065.1	3068.9	3063.8	3056.1	2971.2
27.5°	3158.9	3175.6	3140.9	3088.2	3075.3	3102.3	3106.2	3130.6	3137.0	3062.5
30°	3180.7	3192.3	3158.9	3103.6	3097.2	3158.9	3160.2	3203.9	3214.1	3139.6
32.5°	3228.3	3241.1	3207.7	3126.7	3117.7	3203.9	3207.7	3265.5	3282.2	3221.8
35°	3340.1	3355.5	3316.9	3191.0	3158.9	3246.3	3257.8	3325.9	3359.4	3309.2
37.5°	3619.0	3574.0	3521.3	3320.8	3252.7	3313.1	3332.4	3412.0	3471.2	3413.3
40°	4311.6	4170.3	4005.8	3541.8	3417.2	3455.7	3471.2	3550.8	3631.8	3575.3
42.5°	5351.3	5184.2	4919.5	4050.8	3665.2	3684.5	3696.1	3765.5	3879.8	3834.9
45°	6277.9	6217.5	5947.6	4919.5	4129.2	4034.1	4048.2	4084.2	4252.5	4235.8
47.5°	6989.9	6955.2	6747.0	5916.8	4913.1	4462.0	4501.8	4518.5	4761.4	4820.6
50°	7537.3	7524.5	7338.1	6803.5	5937.3	5093.0	5107.1	5071.2	5434.9	5581.4
52.5°	8054.0	8097.7	7960.1	7627.3	7031.0	5919.3	5916.8	5747.1	6238.1	6459.1
55°	8520.5	8535.9	8550.0	8467.8	8131.1	6860.1	6835.7	6558.1	7169.8	7398.5
57.5°	8958.7	8965.1	9091.1	9259.4	9276.1	7870.2	7825.2	7492.4	8187.6	8350.8
60°	9253.0	9282.6	9548.6	10016.4	10220.7	8912.4	8888.0	8548.7	9223.4	9299.3
62.5°	8828.9	9008.8	9679.7	10607.5	11112.6	10067.8	10056.2	9737.5	10313.2	10251.6
65°	7146.7	7451.2	8631.0	11007.2	11987.8	11358.1	11374.8	11035.5	11432.6	11232.1
67.5°	4999.2	5320.5	6716.1	11039.3	12965.8	12873.2	12969.6	12437.6	12621.3	12171.5
70°	3457.0	3622.8	4531.4	10347.9	13727.9	14960.3	14957.7	14159.7	13803.7	12599.5
72.5°	2324.8	2410.9	2943.0	8209.5	13167.5	16200.5	16125.9	15475.6	14202.1	11783.4
75°	980.6	1043.5	1362.2	4613.6	10417.3	14821.5	14619.7	13676.4	12618.8	9278.7
77.5°	311.0	338.0	537.2	1651.4	5738.1	11140.9	10927.5	8541.0	8457.5	4654.8
80°	147.8	172.2	302.0	663.1	2258.0	6059.4	6029.9	3874.7	3638.2	1256.9
82.5°	64.3	75.8	167.1	354.7	1010.1	2161.6	2205.3	1318.6	1091.1	476.8
85°	20.6	27.0	77.1	163.2	426.7	537.2	530.8	313.6	439.5	259.6
87.5°	0.0	0.0	25.7	37.3	43.7	30.8	34.7	27.0	122.1	72.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952157

CATALOG NUMBER: GLAN-SB6A-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2062.6	0°	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6
2088.4	2.5°	2072.9	2052.4	2016.4	1983.0	1953.4	1923.9	1905.9	1880.2	1877.6	1877.6
2121.8	5°	2087.1	2053.7	1989.4	1921.3	1842.9	1768.4	1693.8	1621.8	1598.7	1582.0
2175.7	7.5°	2128.2	2075.5	1974.0	1844.2	1695.1	1531.9	1417.5	1294.1	1246.6	1220.9
2247.7	10°	2187.3	2115.3	1961.1	1733.7	1492.0	1269.7	1106.5	972.8	921.4	899.6
2326.1	12.5°	2252.8	2164.2	1938.0	1596.1	1269.7	1003.7	844.3	782.6	774.9	774.9
2419.9	15°	2331.2	2223.3	1898.1	1434.2	1037.1	794.2	737.7	740.2	748.0	753.1
2511.2	17.5°	2412.2	2286.3	1835.2	1253.0	831.5	714.5	715.8	719.7	726.1	731.2
2610.1	20°	2499.6	2349.2	1751.6	1060.2	713.3	691.4	695.3	699.1	704.3	706.8
2702.6	22.5°	2593.4	2408.3	1652.7	871.3	673.4	672.1	673.4	677.3	683.7	683.7
2810.6	25°	2693.7	2473.9	1539.6	733.8	652.9	652.9	655.4	658.0	663.1	663.1
2914.7	27.5°	2796.5	2534.3	1420.1	661.8	634.9	633.6	633.6	637.4	640.0	641.3
3017.5	30°	2909.6	2605.0	1300.6	646.4	620.7	614.3	610.4	613.0	615.6	616.9
3125.5	32.5°	3025.2	2673.1	1193.9	652.9	606.6	595.0	582.2	579.6	579.6	584.7
3237.3	35°	3153.7	2747.6	1111.6	674.7	598.9	566.7	546.2	534.6	535.9	543.6
3370.9	37.5°	3307.9	2837.6	1051.2	694.0	593.7	534.6	501.2	487.1	478.1	487.1
3554.7	40°	3509.7	2970.0	1007.5	709.4	587.3	497.3	452.4	429.2	412.5	417.7
3840.0	42.5°	3806.6	3178.1	990.8	710.7	573.2	453.7	402.2	371.4	347.0	348.3
4269.2	45°	4223.0	3507.1	1076.9	694.0	542.3	406.1	349.6	308.4	293.0	289.2
4910.5	47.5°	4793.6	3986.5	1276.1	659.3	497.3	359.8	298.2	263.5	251.9	245.5
5752.3	50°	5558.2	4602.1	1497.2	620.7	452.4	316.1	255.7	233.9	226.2	219.8
6750.8	52.5°	6445.0	5226.7	1678.4	582.2	407.4	277.6	228.8	215.9	209.5	204.3
7714.7	55°	7258.5	5657.2	1668.1	541.0	363.7	246.7	209.5	201.8	194.1	188.9
8544.9	57.5°	7764.8	5717.6	1375.1	496.1	313.6	222.3	191.5	186.3	177.3	170.9
9263.3	60°	7997.4	5373.2	963.9	436.9	263.5	199.2	172.2	169.6	158.1	149.1
9943.1	62.5°	8039.8	4733.2	642.6	363.7	219.8	177.3	152.9	149.1	133.7	118.2
10495.7	65°	7867.6	3818.1	444.7	284.0	187.6	154.2	131.1	123.4	106.7	91.2
10626.8	67.5°	7322.7	2680.8	309.7	204.3	159.4	122.1	104.1	101.5	88.7	75.8
9958.5	70°	6324.2	1528.0	206.9	152.9	125.9	83.5	82.2	84.8	72.0	61.7
8136.2	72.5°	4848.8	699.1	128.5	111.8	86.1	56.5	65.5	66.8	55.3	46.3
5076.3	75°	2854.3	299.4	81.0	72.0	43.7	37.3	47.6	48.8	37.3	29.6
1855.7	77.5°	971.6	113.1	51.4	42.4	21.8	20.6	30.8	30.8	20.6	11.6
372.7	80°	221.0	42.4	25.7	16.7	10.3	9.0	10.3	9.0	5.1	1.3
114.4	82.5°	63.0	16.7	10.3	6.4	3.9	3.9	1.3	0.0	0.0	0.0
39.8	85°	18.0	7.7	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
14.1	87.5°	7.7	1.3	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°
2062.6
1884.0
1589.7
1224.7
899.6
774.9
753.1
731.2
708.1
686.3
664.4
642.6
619.4
588.6
547.5
484.5
415.1
343.1
284.0
241.6
218.5
203.1
186.3
169.6
146.5
110.5
86.1
72.0
56.5
41.1
25.7
9.0
0.0
0.0
0.0
0.0
0.0
0.0