

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: McGRAW-EDISON

Report Number: P952153

Luminaire Tested: **GALN-SB6A-830-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-830-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18680 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

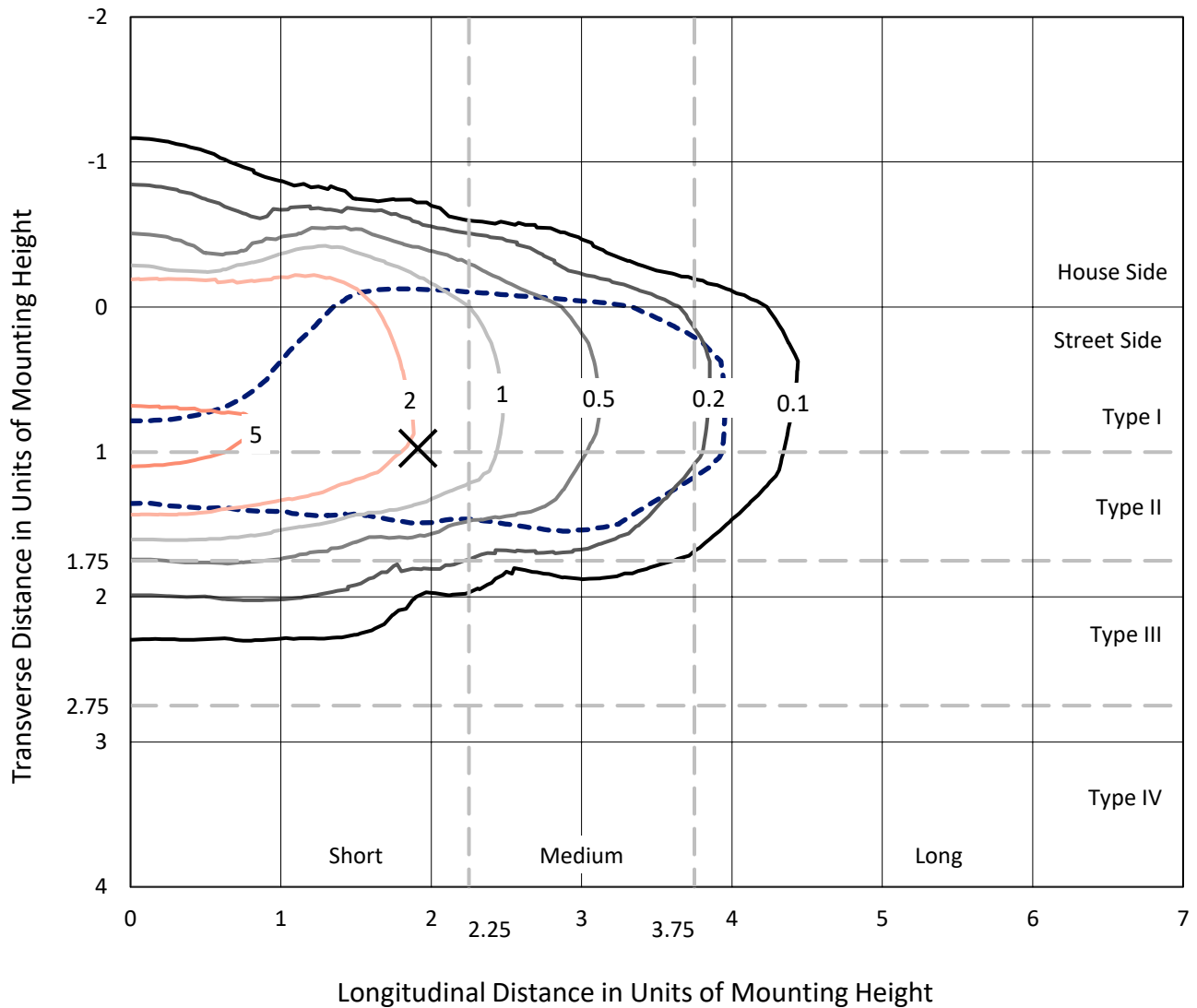
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

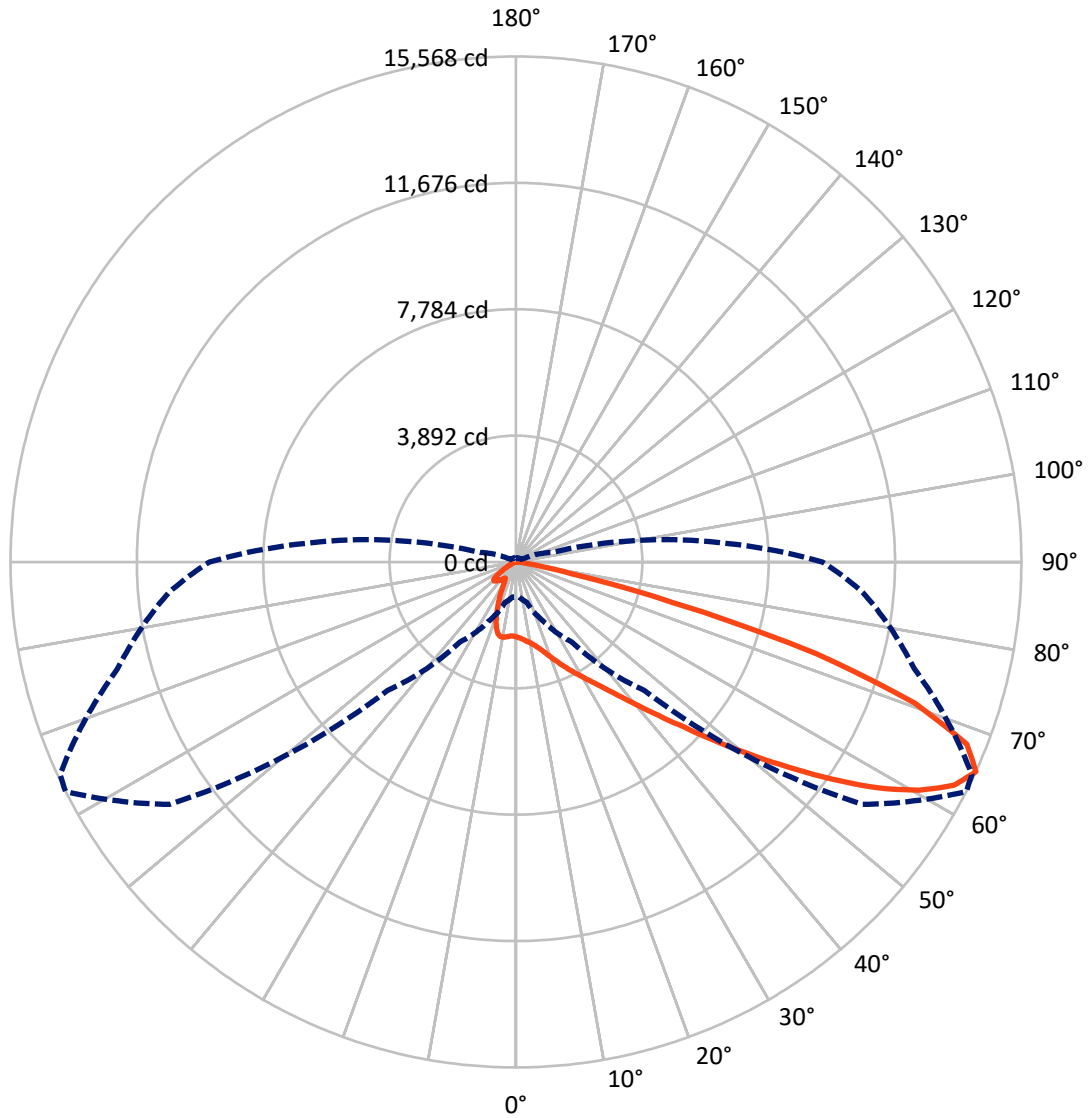
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2745.8	0.0	2745.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	15934.2	0.0	15934.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	18680.0	0.0	18680.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	1.2
10°-20°	602.7	3.2
20°-30°	1049.5	5.6
30°-40°	1891.5	10.1
40°-50°	3751.5	20.1
50°-60°	5110.2	27.4
60°-70°	4078.9	21.8
70°-80°	1845.8	9.9
80°-90°	132.7	0.7
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°	18680.0	100.0
0°-180°	18680.0	100.0

Coefficient of Utilization



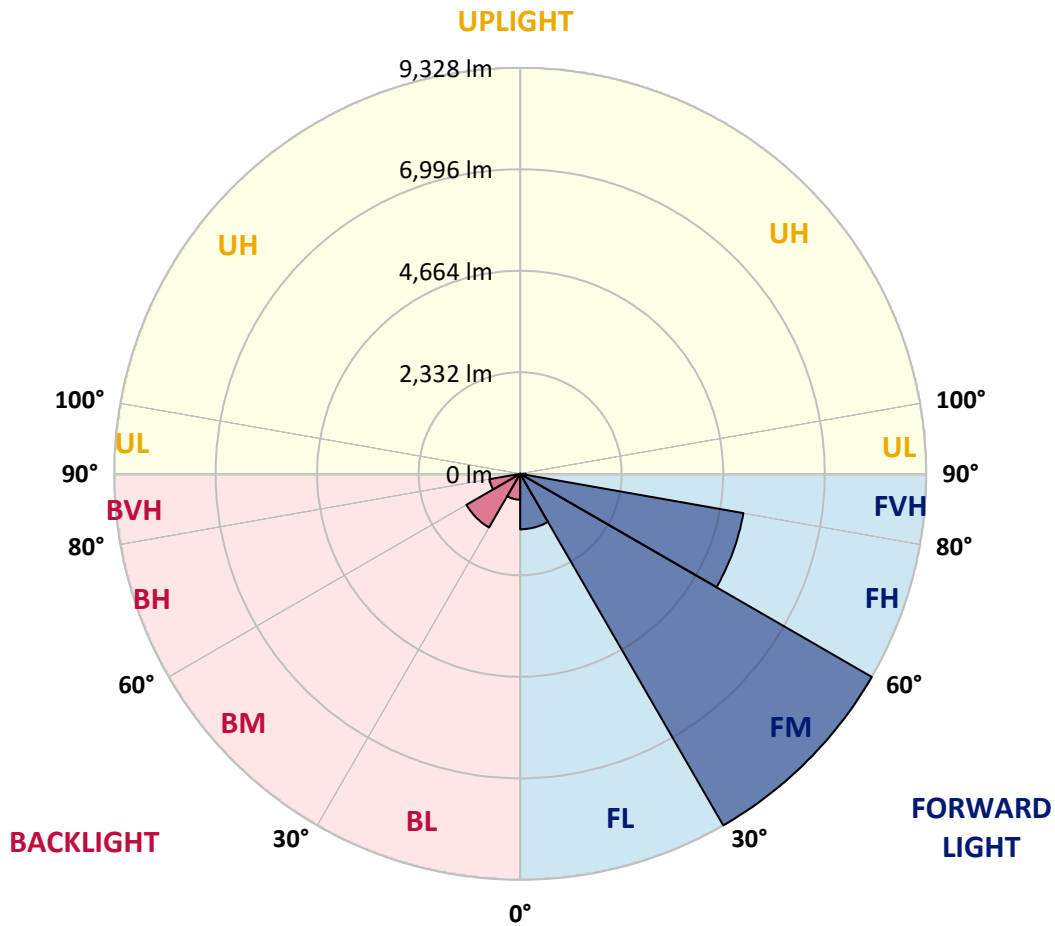
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.1	6.8			
FM (30°-60°)	9328.3	49.9			
FH (60°-80°)	5207.9	27.9			G3/7500
FVH (80°-90°)	122.8	0.7			G2/225
BL (0°-30°)	594.2	3.2	B2/1000		
BM (30°-60°)	1424.9	7.6	B2/2500		
BH (60°-80°)	716.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	9.8	0.1			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5
2.5°	2359.4	2353.0	2362.0	2358.2	2355.6	2350.4	2347.9	2345.3	2340.2	2336.3
5°	2365.9	2362.0	2371.0	2378.7	2386.4	2394.1	2398.0	2403.1	2398.0	2387.7
7.5°	2311.9	2309.3	2328.6	2351.7	2386.4	2416.0	2448.1	2466.1	2467.4	2463.5
10°	2308.0	2301.6	2320.9	2349.2	2394.1	2446.8	2503.4	2541.9	2547.1	2563.8
12.5°	2368.4	2362.0	2389.0	2419.8	2466.1	2521.4	2590.8	2644.7	2652.4	2675.6
15°	2470.0	2461.0	2491.8	2531.6	2590.8	2653.7	2727.0	2775.8	2782.2	2810.5
17.5°	2588.2	2579.2	2615.2	2657.6	2721.8	2807.9	2892.8	2946.7	2954.4	2972.4
20°	2739.8	2728.3	2756.5	2795.1	2863.2	2966.0	3067.5	3144.6	3143.3	3143.3
22.5°	2915.9	2897.9	2922.3	2953.2	3017.4	3142.1	3277.0	3368.2	3368.2	3332.3
25°	3104.8	3086.8	3113.8	3142.1	3198.6	3340.0	3498.0	3611.1	3616.3	3554.6
27.5°	3341.3	3318.1	3338.7	3372.1	3405.5	3549.4	3737.1	3868.1	3870.7	3775.6
30°	3796.2	3730.6	3666.4	3630.4	3645.8	3788.5	3988.9	4134.2	4147.0	4015.9
32.5°	4628.9	4616.1	4389.9	4094.3	3940.1	4045.5	4270.4	4445.2	4452.9	4284.5
35°	5923.0	5907.6	5543.9	4981.0	4478.6	4389.9	4612.2	4819.1	4814.0	4623.8
37.5°	7467.7	7453.6	6974.2	6221.2	5407.7	4910.4	5053.0	5270.2	5302.3	5053.0
40°	8787.5	8734.8	8431.5	7705.4	6641.4	5773.9	5680.1	5824.1	5857.5	5561.9
42.5°	9787.3	9742.3	9588.1	9134.5	8134.7	7051.3	6419.1	6474.3	6511.6	6156.9
45°	10305.2	10294.9	10356.6	10314.2	9656.2	8619.1	7475.4	7245.4	7259.5	6816.2
47.5°	10378.4	10373.3	10654.7	11053.1	10964.5	10387.4	8831.2	8206.6	8156.5	7560.2
50°	9946.7	9936.4	10476.1	11222.8	11838.3	11873.0	10370.7	9290.0	9179.5	8330.0
52.5°	8567.7	8565.2	9451.9	10694.6	12145.5	13173.5	11892.3	10480.0	10294.9	9144.8
55°	6592.6	6640.1	7656.6	9125.5	11585.2	13799.4	13258.4	11801.1	11517.0	9964.6
57.5°	4670.0	4739.4	5744.4	7052.6	9847.7	13429.3	14182.3	13124.7	12818.8	10782.0
60°	2508.5	2570.2	3576.4	5137.8	7326.3	12049.1	14669.4	14273.6	13984.4	11558.2
62.5°	1494.6	1515.1	1931.5	3316.8	4955.3	9205.2	14462.5	15148.7	14911.0	12209.7
65°	1073.1	1076.9	1286.4	2025.3	3008.4	5592.7	13011.6	15567.7	15494.4	12700.6
67.5°	903.4	900.9	988.2	1345.5	2049.7	2801.5	9972.4	14975.2	15286.2	13011.6
70°	774.9	778.8	881.6	985.7	1540.8	1585.8	4957.9	13038.6	13701.7	13093.9
72.5°	577.0	589.9	685.0	898.3	1163.0	1091.0	1711.7	9667.8	10866.8	12336.9
75°	407.4	413.8	481.9	755.6	867.4	794.2	873.9	4997.7	6534.7	9458.3
77.5°	313.6	325.1	365.0	528.2	854.6	557.7	534.6	1729.7	2657.6	5713.5
80°	169.6	190.2	263.4	381.7	600.1	394.5	264.7	688.8	900.9	2671.7
82.5°	87.4	97.7	183.8	275.0	341.8	344.4	131.1	286.6	371.4	825.0
85°	34.7	42.4	123.4	151.6	176.1	169.6	59.1	115.7	133.7	228.7
87.5°	7.7	12.9	45.0	34.7	33.4	36.0	14.1	27.0	25.7	27.0
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°
2305.5	0°	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5	2305.5
2320.9	2.5°	2319.6	2314.5	2300.3	2284.9	2266.9	2256.6	2250.2	2248.9	2239.9	2233.5
2372.3	5°	2358.2	2353.0	2326.0	2293.9	2259.2	2232.2	2206.5	2183.4	2150.0	2143.5
2446.8	7.5°	2435.3	2421.1	2377.4	2333.7	2268.2	2189.8	2094.7	1985.5	1887.8	1858.3
2545.8	10°	2530.4	2511.1	2455.8	2378.7	2233.5	2020.2	1790.1	1576.8	1407.2	1359.6
2662.7	12.5°	2638.3	2621.6	2548.3	2405.7	2088.3	1701.5	1349.4	1084.6	920.1	879.0
2787.4	15°	2766.8	2742.4	2640.9	2364.6	1828.7	1292.8	926.6	769.8	710.7	702.9
2930.0	17.5°	2903.0	2863.2	2723.1	2216.8	1479.1	918.8	715.8	670.8	645.1	637.4
3074.0	20°	3027.7	2976.3	2772.0	1993.2	1105.2	715.8	641.3	611.7	588.6	579.6
3217.9	22.5°	3152.3	3079.1	2772.0	1688.6	828.9	634.8	588.6	561.6	534.6	523.0
3372.1	25°	3282.1	3184.5	2723.1	1349.4	667.0	582.1	538.5	508.9	485.8	471.6
3518.6	27.5°	3408.1	3273.1	2611.3	1028.1	593.7	535.9	492.2	463.9	442.1	431.8
3677.9	30°	3527.6	3360.5	2454.5	780.1	546.2	490.9	449.8	425.4	403.5	393.2
3884.8	32.5°	3689.5	3471.0	2287.5	640.0	505.0	448.5	411.2	388.1	368.8	361.1
4153.4	35°	3914.4	3634.3	2143.5	628.4	470.3	413.8	376.5	354.7	335.4	329.0
4500.4	37.5°	4233.1	3897.7	2067.7	705.5	442.1	383.0	348.3	325.1	307.1	302.0
4941.2	40°	4626.4	4255.0	2108.8	782.6	422.8	356.0	322.6	299.4	284.0	277.6
5447.5	42.5°	5092.8	4695.7	2336.3	841.7	409.9	332.8	298.1	272.4	262.2	259.6
6022.0	45°	5628.7	5180.2	2684.6	904.7	389.4	311.0	273.7	254.4	246.7	245.5
6646.5	47.5°	6237.9	5712.3	3088.1	983.1	368.8	290.4	254.4	241.6	235.2	232.6
7298.1	50°	6841.9	6248.1	3503.2	1026.8	352.1	271.2	239.0	228.7	223.6	222.3
7986.9	52.5°	7474.1	6799.5	3838.6	985.7	338.0	255.7	226.2	218.5	213.3	212.0
8621.7	55°	8076.8	7245.4	3896.4	836.6	309.7	240.3	212.0	208.2	201.8	201.8
9265.6	57.5°	8596.0	7469.0	3487.8	614.3	281.4	217.2	197.9	194.0	188.9	187.6
9846.4	60°	9072.8	7404.7	2692.3	413.8	250.6	194.0	179.9	177.3	172.2	165.8
10351.5	62.5°	9341.4	7122.0	1841.5	269.9	219.8	169.6	159.4	158.1	146.5	133.7
10725.4	65°	9442.9	6541.1	1148.9	196.6	183.8	145.2	137.5	134.9	118.2	104.1
10937.5	67.5°	9354.2	5585.0	579.6	155.5	145.2	120.8	113.1	113.1	101.5	88.7
10924.6	70°	8999.5	4186.8	244.2	124.7	111.8	92.5	92.5	97.7	86.1	72.0
10357.9	72.5°	8229.8	2816.9	129.8	95.1	83.5	65.5	75.8	79.7	68.1	54.0
8477.8	75°	6542.4	1718.2	90.0	70.7	52.7	46.3	57.8	60.4	46.3	36.0
5812.5	77.5°	4474.7	987.0	60.4	45.0	33.4	27.0	39.8	37.3	24.4	16.7
2241.2	80°	1964.9	411.2	34.7	20.6	12.9	10.3	14.1	10.3	7.7	5.1
307.1	82.5°	230.0	96.4	12.9	7.7	5.1	2.6	1.3	0.0	0.0	0.0
93.8	85°	47.5	11.6	6.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0
16.7	87.5°	9.0	2.6	1.3	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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<u>180°</u>
2305.5
2239.9
2141.0
1844.1
1341.6
867.4
695.2
633.6
574.4
516.6
466.5
431.8
394.5
361.1
329.0
300.7
276.3
259.6
244.2
232.6
222.3
212.0
200.5
186.3
164.5
131.1
<i>102.8</i>
87.4
70.7
54.0
34.7
18.0
5.1
0.0
0.0
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0.0

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