

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: P948499

Luminaire Tested: **GALN-SB3C-740-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948499
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-SB3C-740-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA 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: 18168 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

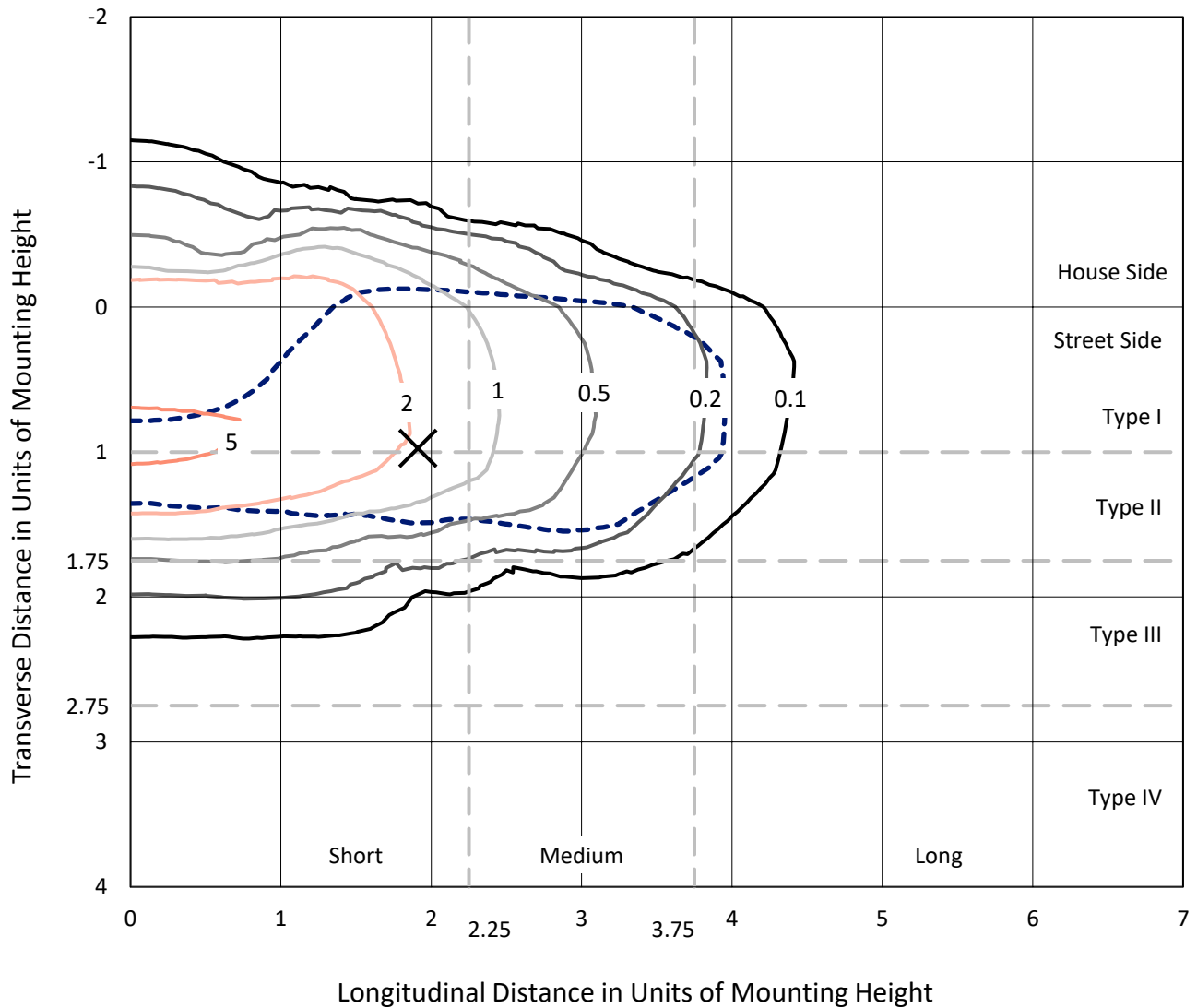
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

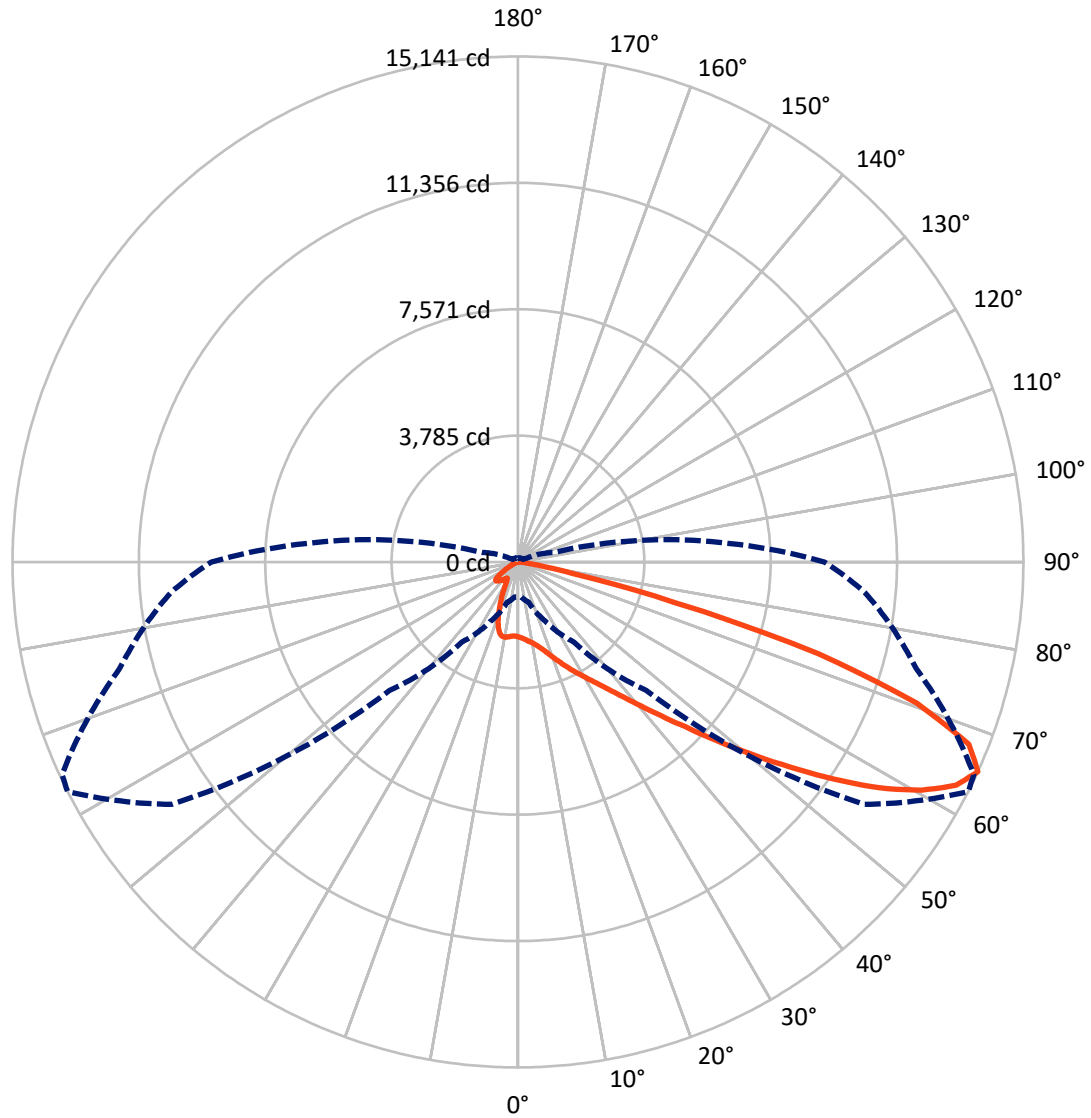
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type 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	2670.5	0.0	2670.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	15497.4	0.0	15497.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	18168.0	0.0	18168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.3	1.2
10°-20°	586.2	3.2
20°-30°	1020.7	5.6
30°-40°	1839.7	10.1
40°-50°	3648.7	20.1
50°-60°	4970.1	27.4
60°-70°	3967.1	21.8
70°-80°	1795.2	9.9
80°-90°	129.0	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°	18168.0	100.0
0°-180°	18168.0	100.0

Coefficient of Utilization



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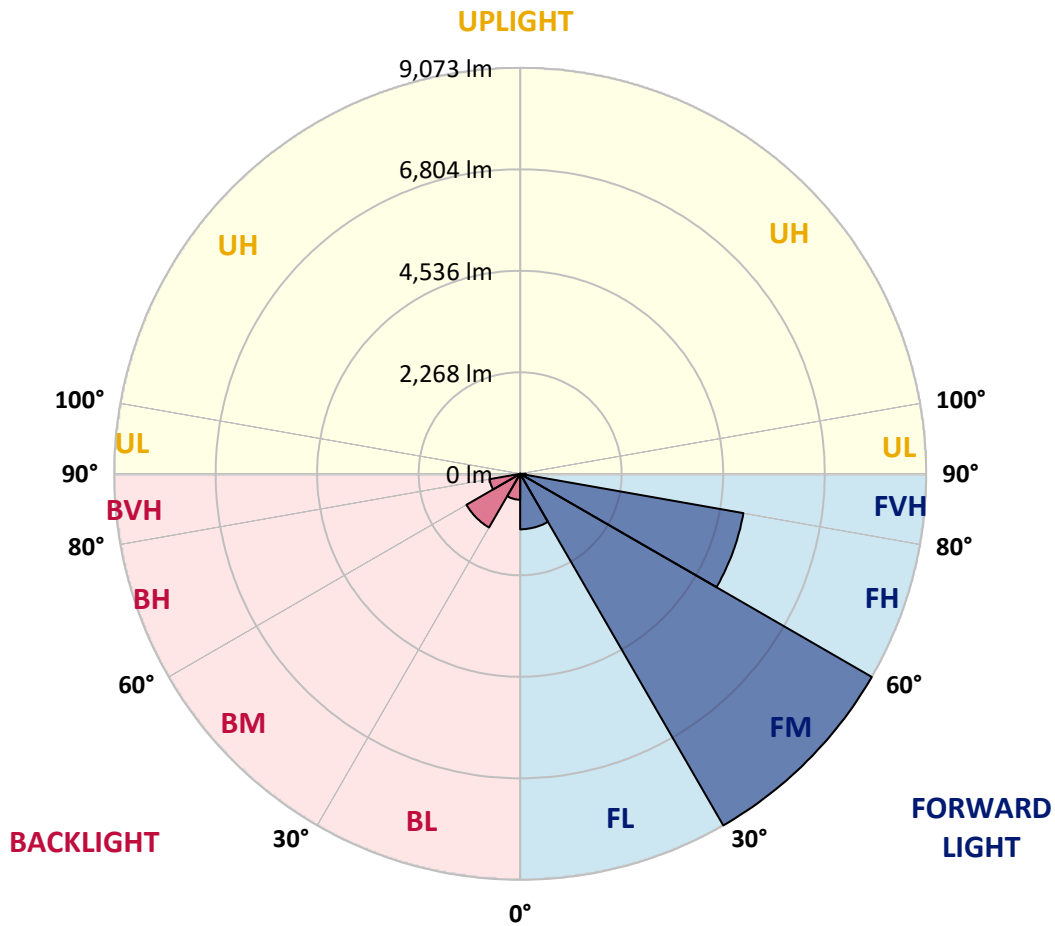
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1240.2	6.8			
FM (30°-60°)	9072.6	49.9			
FH (60°-80°)	5065.2	27.9			G3/7500
FVH (80°-90°)	119.5	0.7			G2/225
BL (0°-30°)	578.0	3.2	B2/1000		
BM (30°-60°)	1385.9	7.6	B2/2500		
BH (60°-80°)	697.2	3.8	B2/1000		G2/1000
BVH (80°-90°)	9.6	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°	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3
2.5°	2294.8	2288.5	2297.3	2293.5	2291.0	2286.0	2283.5	2281.0	2276.0	2272.3
5°	2301.0	2297.3	2306.0	2313.5	2321.0	2328.5	2332.3	2337.3	2332.3	2322.3
7.5°	2248.5	2246.0	2264.8	2287.3	2321.0	2349.8	2381.0	2398.5	2399.8	2396.0
10°	2244.8	2238.5	2257.3	2284.8	2328.5	2379.8	2434.8	2472.3	2477.3	2493.5
12.5°	2303.5	2297.3	2323.5	2353.5	2398.5	2452.3	2519.7	2572.2	2579.7	2602.2
15°	2402.3	2393.5	2423.5	2462.3	2519.7	2581.0	2652.2	2699.7	2706.0	2733.5
17.5°	2517.2	2508.5	2543.5	2584.7	2647.2	2731.0	2813.5	2866.0	2873.5	2891.0
20°	2664.7	2653.5	2681.0	2718.5	2784.7	2884.7	2983.4	3058.4	3057.2	3057.2
22.5°	2836.0	2818.5	2842.2	2872.2	2934.7	3055.9	3187.2	3275.9	3275.9	3240.9
25°	3019.7	3002.2	3028.4	3055.9	3110.9	3248.4	3402.2	3512.1	3517.1	3457.2
27.5°	3249.7	3227.2	3247.2	3279.7	3312.2	3452.2	3634.6	3762.1	3764.6	3672.1
30°	3692.1	3628.4	3565.9	3530.9	3545.9	3684.6	3879.6	4020.8	4033.3	3905.9
32.5°	4502.0	4489.5	4269.6	3982.1	3832.1	3934.6	4153.3	4323.3	4330.8	4167.1
35°	5760.7	5745.7	5392.0	4844.5	4355.8	4269.6	4485.8	4687.0	4682.0	4497.0
37.5°	7263.0	7249.3	6783.1	6050.6	5259.5	4775.8	4914.5	5125.7	5157.0	4914.5
40°	8546.6	8495.4	8200.4	7494.2	6459.4	5615.7	5524.4	5664.4	5696.9	5409.5
42.5°	9519.0	9475.3	9325.3	8884.1	7911.7	6858.1	6243.1	6296.9	6333.1	5988.1
45°	10022.7	10012.7	10072.7	10031.5	9391.6	8382.9	7270.5	7046.8	7060.5	6629.3
47.5°	10094.0	10089.0	10362.7	10750.2	10663.9	10102.7	8589.1	7981.7	7933.0	7353.0
50°	9674.0	9664.0	10189.0	10915.2	11513.8	11547.6	10086.5	9035.3	8927.9	8101.7
52.5°	8332.9	8330.4	9192.8	10401.5	11812.6	12812.5	11566.3	10192.7	10012.7	8894.1
55°	6411.9	6458.1	7446.8	8875.4	11267.6	13421.2	12895.0	11477.6	11201.4	9691.5
57.5°	4542.0	4609.5	5586.9	6859.3	9577.8	13061.2	13793.6	12765.0	12467.5	10486.4
60°	2439.8	2499.7	3478.4	4997.0	7125.5	11718.8	14267.3	13882.4	13601.1	11241.4
62.5°	1453.6	1473.6	1878.6	3225.9	4819.5	8952.8	14066.1	14733.5	14502.3	11875.1
65°	1043.6	1047.4	1251.1	1969.8	2926.0	5439.5	12655.0	15141.0	15069.7	12352.5
67.5°	878.7	876.2	961.2	1308.6	1993.5	2724.7	9699.0	14564.8	14867.3	12655.0
70°	753.7	757.4	857.4	958.7	1498.6	1542.3	4822.0	12681.2	13326.2	12735.0
72.5°	561.2	573.7	666.2	873.7	1131.1	1061.1	1664.8	9402.8	10568.9	11998.8
75°	396.2	402.5	468.7	734.9	843.7	772.4	849.9	4860.8	6355.6	9199.1
77.5°	305.0	316.2	355.0	513.7	831.2	542.4	519.9	1682.3	2584.7	5556.9
80°	165.0	185.0	256.2	371.2	583.7	383.7	257.5	669.9	876.2	2598.5
82.5°	85.0	95.0	178.7	267.5	332.5	335.0	127.5	278.7	361.2	802.4
85°	33.7	41.2	120.0	147.5	171.2	165.0	57.5	112.5	130.0	222.5
87.5°	7.5	12.5	43.7	33.7	32.5	35.0	13.7	26.2	25.0	26.2
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°
2242.3	0°	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3	2242.3
2257.3	2.5°	2256.0	2251.0	2237.3	2222.3	2204.8	2194.8	2188.5	2187.3	2178.5	2172.3
2307.3	5°	2293.5	2288.5	2262.3	2231.0	2197.3	2171.0	2146.0	2123.5	2091.0	2084.8
2379.8	7.5°	2368.5	2354.8	2312.3	2269.8	2206.0	2129.8	2037.3	1931.1	1836.1	1807.3
2476.0	10°	2461.0	2442.3	2388.5	2313.5	2172.3	1964.8	1741.1	1533.6	1368.6	1322.4
2589.7	12.5°	2566.0	2549.7	2478.5	2339.8	2031.0	1654.8	1312.4	1054.9	894.9	854.9
2711.0	15°	2691.0	2667.2	2568.5	2299.8	1778.6	1257.4	901.2	748.7	691.2	683.7
2849.7	17.5°	2823.5	2784.7	2648.5	2156.0	1438.6	893.7	696.2	652.4	627.4	619.9
2989.7	20°	2944.7	2894.7	2696.0	1938.6	1074.9	696.2	623.7	594.9	572.4	563.7
3129.7	22.5°	3065.9	2994.7	2696.0	1642.3	806.2	617.4	572.4	546.2	519.9	508.7
3279.7	25°	3192.2	3097.2	2648.5	1312.4	648.7	566.2	523.7	495.0	472.5	458.7
3422.2	27.5°	3314.7	3183.4	2539.7	999.9	577.4	521.2	478.7	451.2	430.0	420.0
3577.1	30°	3430.9	3268.4	2387.3	758.7	531.2	477.5	437.5	413.7	392.5	382.5
3778.4	32.5°	3588.4	3375.9	2224.8	622.4	491.2	436.2	400.0	377.5	358.7	351.2
4039.6	35°	3807.1	3534.6	2084.8	611.2	457.5	402.5	366.2	345.0	326.2	320.0
4377.1	37.5°	4117.1	3790.9	2011.0	686.2	430.0	372.5	338.7	316.2	298.7	293.7
4805.8	40°	4499.5	4138.3	2051.0	761.2	411.2	346.2	313.7	291.2	276.2	270.0
5298.2	42.5°	4953.3	4567.0	2272.3	818.7	398.7	323.7	290.0	265.0	255.0	252.5
5856.9	45°	5474.4	5038.2	2611.0	879.9	378.7	302.5	266.2	247.5	240.0	238.7
6464.3	47.5°	6066.9	5555.7	3003.4	956.2	358.7	282.5	247.5	235.0	228.7	226.2
7098.0	50°	6654.3	6076.9	3407.2	998.6	342.5	263.7	232.5	222.5	217.5	216.2
7768.0	52.5°	7269.3	6613.1	3733.4	958.7	328.7	248.7	220.0	212.5	207.5	206.2
8385.4	55°	7855.5	7046.8	3789.6	813.7	301.2	233.7	206.2	202.5	196.2	196.2
9011.6	57.5°	8360.4	7264.3	3392.2	597.4	273.7	211.2	192.5	188.7	183.7	182.5
9576.5	60°	8824.1	7201.8	2618.5	402.5	243.7	188.7	175.0	172.5	167.5	161.2
10067.7	62.5°	9085.3	6926.8	1791.1	262.5	213.7	165.0	155.0	153.7	142.5	130.0
10431.5	65°	9184.1	6361.9	1117.4	191.2	178.7	141.2	133.7	131.2	115.0	101.2
10637.7	67.5°	9097.8	5432.0	563.7	151.2	141.2	117.5	110.0	110.0	98.7	86.2
10625.2	70°	8752.9	4072.1	237.5	121.2	108.7	90.0	90.0	95.0	83.7	70.0
10074.0	72.5°	8004.2	2739.7	126.2	92.5	81.2	63.7	73.7	77.5	66.2	52.5
8245.4	75°	6363.1	1671.1	87.5	68.7	51.2	45.0	56.2	58.7	45.0	35.0
5653.2	77.5°	4352.1	959.9	58.7	43.7	32.5	26.2	38.7	36.2	23.7	16.2
2179.8	80°	1911.1	400.0	33.7	20.0	12.5	10.0	13.7	10.0	7.5	5.0
298.7	82.5°	223.7	93.7	12.5	7.5	5.0	2.5	1.2	0.0	0.0	0.0
91.2	85°	46.2	11.2	6.2	2.5	1.2	0.0	0.0	0.0	0.0	0.0
16.2	87.5°	8.7	2.5	1.2	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>
2242.3
2178.5
2082.3
1793.6
1304.9
843.7
676.2
616.2
558.7
502.4
453.7
420.0
383.7
351.2
320.0
292.5
268.7
252.5
237.5
226.2
216.2
206.2
195.0
181.2
160.0
127.5
100.0
85.0
68.7
52.5
33.7
17.5
5.0
0.0
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