

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: P943106

Luminaire Tested: **GALN-SB7B-935-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-935-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21848 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

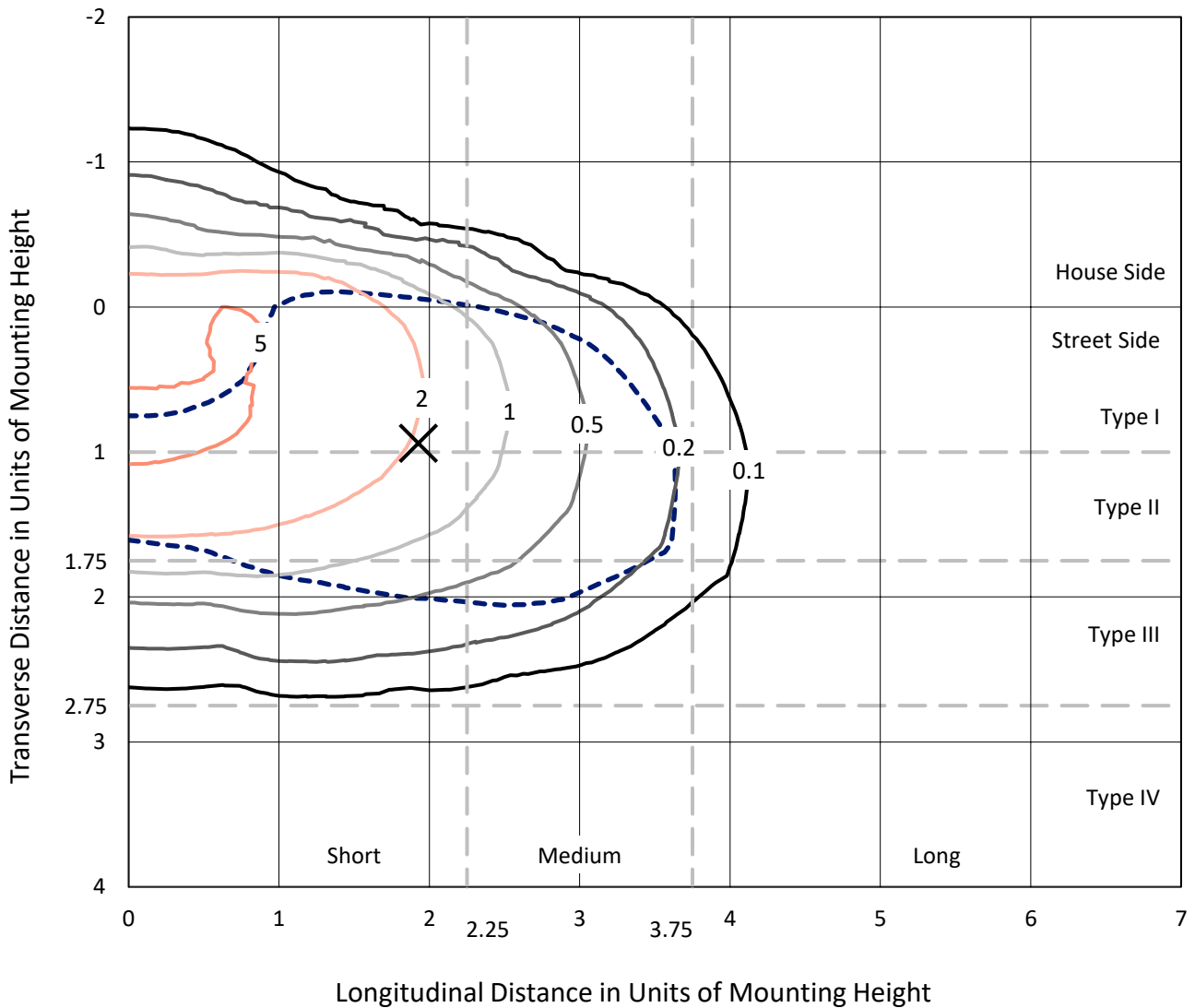
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

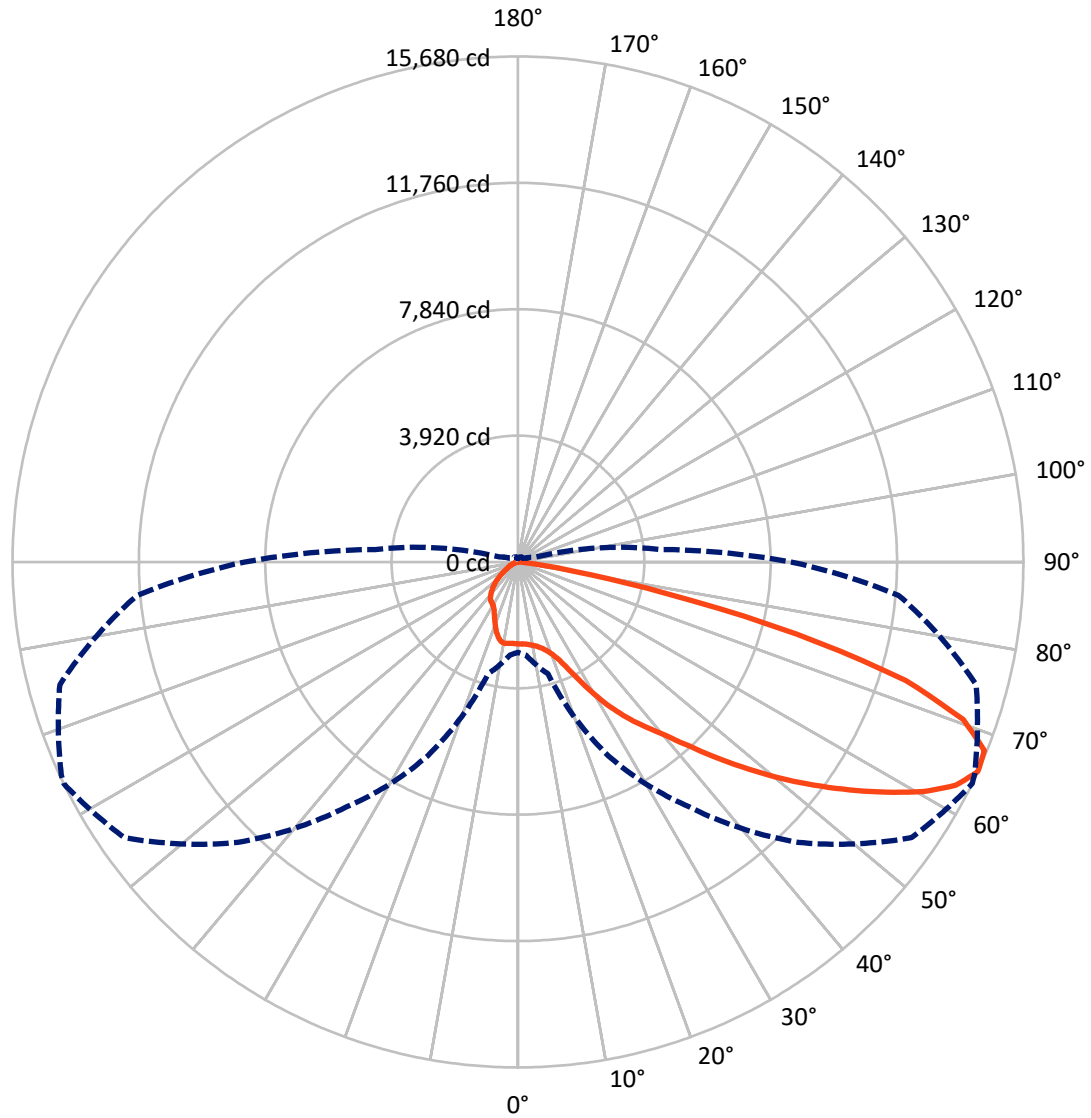
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2921.7	0.0	2921.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	18926.3	0.0	18926.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	21848.0	0.0	21848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.4	1.1
10°-20°	635.9	2.9
20°-30°	1204.9	5.5
30°-40°	2438.2	11.2
40°-50°	4153.6	19.0
50°-60°	5648.6	25.9
60°-70°	5304.3	24.3
70°-80°	2125.1	9.7
80°-90°	103.0	0.5
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°	21848.0	100.0
0°-180°	21848.0	100.0

Coefficient of Utilization



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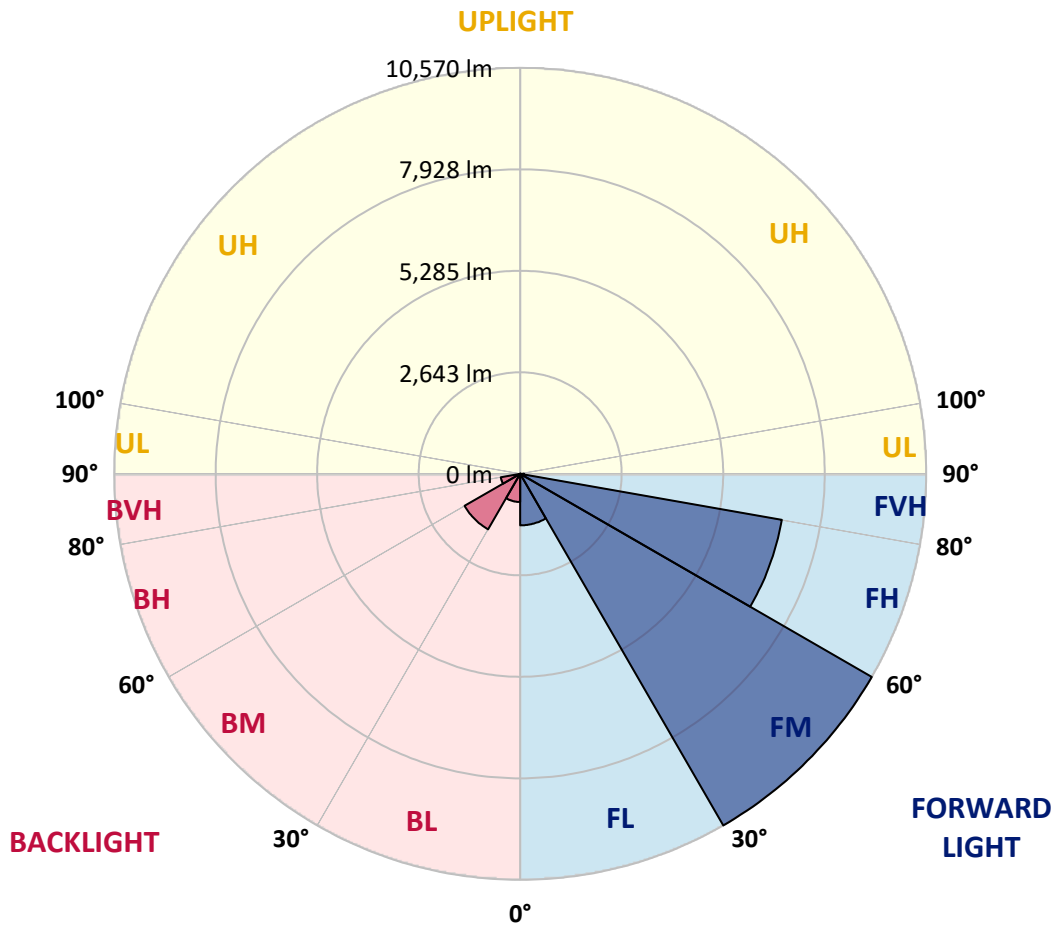
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1341.7	6.1			
FM (30°-60°)	10570.0	48.4			
FH (60°-80°)	6916.6	31.7			G3/7500
FVH (80°-90°)	97.9	0.4			G1/100
BL (0°-30°)	733.6	3.4	B2/1000		
BM (30°-60°)	1670.3	7.6	B2/2500		
BH (60°-80°)	512.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.0	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1
2.5°	2532.4	2549.9	2545.5	2541.1	2539.7	2542.6	2544.1	2542.6	2542.6	2542.6
5°	2484.0	2498.7	2498.7	2508.9	2523.6	2541.1	2554.3	2557.3	2560.2	2564.6
7.5°	2391.8	2403.5	2412.3	2445.9	2482.6	2529.4	2569.0	2589.5	2592.4	2608.5
10°	2328.8	2343.4	2358.1	2393.2	2445.9	2516.3	2583.6	2633.4	2640.7	2678.8
12.5°	2325.8	2340.5	2359.5	2397.6	2459.1	2533.8	2615.8	2687.6	2700.8	2756.5
15°	2356.6	2374.2	2391.8	2438.6	2504.5	2595.3	2683.2	2772.6	2785.7	2864.8
17.5°	2419.6	2443.0	2456.2	2503.1	2573.4	2674.4	2790.1	2892.7	2904.4	2996.7
20°	2544.1	2571.9	2576.3	2614.4	2683.2	2791.6	2929.3	3056.7	3071.3	3176.8
22.5°	2801.9	2841.4	2806.2	2825.3	2886.8	2995.2	3144.6	3305.7	3326.2	3446.3
25°	3255.9	3311.5	3220.7	3188.5	3214.9	3327.7	3515.1	3718.7	3742.2	3838.8
27.5°	4147.9	4076.1	3938.4	3803.7	3724.6	3789.0	3999.9	4251.8	4281.1	4374.9
30°	5127.7	5064.7	4878.7	4579.9	4392.5	4382.2	4577.0	4858.2	4891.9	4981.2
32.5°	6109.0	6049.0	5846.8	5479.2	5154.1	4993.0	5127.7	5439.7	5457.2	5514.4
35°	7074.2	7012.7	6810.6	6434.2	6034.3	5668.2	5641.8	5993.3	5999.2	6059.2
37.5°	8045.3	7994.0	7778.7	7409.6	7015.6	6510.3	6265.7	6517.6	6525.0	6583.6
40°	8738.0	8760.0	8612.1	8326.5	7988.1	7436.0	6965.8	7075.7	7031.7	7129.9
42.5°	9332.7	9376.6	9247.7	9104.2	8907.9	8421.7	7832.9	7813.9	7743.5	7796.3
45°	9846.8	9883.4	9767.7	9734.0	9729.6	9388.3	8780.5	8666.3	8568.1	8557.9
47.5°	10035.7	10106.0	10155.8	10268.6	10488.3	10344.7	9760.4	9583.1	9473.3	9392.7
50°	10107.5	10182.2	10352.1	10680.2	11200.1	11261.6	10735.8	10536.6	10401.9	10255.4
52.5°	10010.8	10144.1	10372.6	10924.7	11679.0	11996.9	11671.7	11497.4	11343.6	11104.9
55°	9441.1	9574.3	10041.6	10921.8	11917.8	12512.4	12556.4	12478.7	12305.9	11929.5
57.5°	8240.1	8437.8	9177.4	10549.8	11913.4	12956.2	13423.4	13479.1	13285.7	12746.8
60°	6576.2	6844.3	7746.5	9725.2	11545.8	13196.4	14183.6	14461.8	14256.8	13552.3
62.5°	4588.7	4899.2	5753.1	8433.4	10705.0	13023.6	14738.7	15252.8	15097.5	14272.9
65°	2798.9	2898.5	3586.9	6636.3	9275.6	12300.0	14910.0	15680.4	15629.2	14713.8
67.5°	1864.5	1948.0	2145.7	4550.6	7200.2	10854.4	14499.9	15605.7	15620.4	14642.0
70°	1123.4	1195.1	1324.0	2646.6	4666.3	8591.6	13230.1	14653.7	14738.7	13682.7
72.5°	462.8	511.2	628.3	1199.5	2416.7	5452.9	10535.2	12581.3	12779.0	11504.7
75°	262.2	287.1	369.1	602.0	1048.7	2541.1	6381.4	8931.4	9222.8	7929.6
77.5°	174.3	186.0	238.7	389.6	590.2	867.1	2727.2	4653.2	5209.7	4330.9
80°	117.2	127.4	164.0	260.7	383.7	372.0	868.5	1723.9	2120.8	1488.1
82.5°	79.1	80.6	117.2	171.4	243.1	180.2	256.3	536.1	673.7	430.6
85°	45.4	43.9	86.4	99.6	108.4	74.7	77.6	161.1	210.9	181.6
87.5°	5.9	8.8	33.7	26.4	14.6	16.1	16.1	27.8	41.0	43.9
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°
2541.1	0°	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1
2544.1	2.5°	2544.1	2542.6	2538.2	2533.8	2523.6	2517.7	2520.6	2517.7	2516.3	2517.7
2563.1	5°	2563.1	2558.7	2547.0	2532.4	2511.9	2487.0	2470.8	2447.4	2425.4	2412.3
2614.4	7.5°	2614.4	2610.0	2593.9	2552.9	2487.0	2383.0	2287.8	2204.3	2141.3	2104.7
2696.4	10°	2696.4	2689.1	2664.2	2573.4	2400.5	2173.5	1984.6	1827.9	1725.3	1677.0
2793.1	12.5°	2793.1	2784.3	2740.3	2554.3	2236.5	1882.1	1621.4	1447.1	1351.9	1309.4
2904.4	15°	2907.3	2895.6	2809.2	2463.5	1997.8	1559.8	1321.1	1190.8	1129.2	1091.2
3046.4	17.5°	3049.4	3028.9	2860.4	2327.3	1738.5	1313.8	1136.6	1038.4	984.2	947.6
3232.5	20°	3233.9	3200.2	2901.5	2164.7	1499.8	1158.5	1012.1	930.0	889.0	856.8
3496.1	22.5°	3491.7	3443.4	2951.2	1989.0	1331.4	1051.6	919.8	859.7	826.1	789.4
3863.7	25°	3811.0	3753.9	3012.8	1826.4	1215.7	959.3	852.4	802.6	763.1	720.6
4345.6	27.5°	4257.7	4155.2	3086.0	1693.1	1116.1	880.2	790.9	735.2	689.8	654.7
4891.9	30°	4755.7	4587.3	3150.4	1612.6	1025.2	807.0	710.4	654.7	612.2	587.3
5382.5	32.5°	5227.3	4998.8	3192.9	1577.4	943.2	723.5	622.5	562.4	530.2	522.9
5863.0	35°	5672.5	5370.8	3188.5	1543.7	870.0	640.0	536.1	474.5	449.6	454.0
6380.0	37.5°	6185.2	5767.7	3157.8	1491.0	809.9	563.9	461.4	407.2	385.2	386.7
7008.3	40°	6781.3	6226.2	3138.7	1391.4	744.0	493.6	399.8	355.9	339.8	333.9
7670.3	42.5°	7416.9	6670.0	3141.7	1278.6	662.0	430.6	357.4	320.8	306.1	301.7
8407.0	45°	8055.5	7093.2	3146.0	1161.5	575.6	382.3	326.6	295.9	287.1	281.2
9154.0	47.5°	8656.0	7453.5	3064.0	1035.5	490.7	345.7	301.7	281.2	273.9	266.6
9903.9	50°	9215.5	7693.8	2866.3	889.0	423.3	316.4	282.7	268.0	260.7	253.4
10583.5	52.5°	9650.5	7731.8	2539.7	738.2	376.4	294.4	271.0	257.8	249.0	241.7
11132.7	55°	9843.8	7493.1	2075.4	597.6	339.8	275.4	259.2	246.1	235.8	228.5
11564.8	57.5°	9794.0	6990.7	1618.4	480.4	304.6	256.3	244.6	235.8	224.1	212.4
11914.8	60°	9549.4	6318.5	1220.0	399.8	272.4	235.8	228.5	221.2	205.0	187.5
12049.6	62.5°	9126.2	5473.4	870.0	331.0	237.3	212.4	209.4	203.6	180.2	147.9
11850.4	65°	8478.8	4446.6	585.9	275.4	203.6	186.0	187.5	177.2	146.5	109.8
11121.0	67.5°	7532.6	3251.5	374.9	225.6	169.9	155.3	156.7	150.9	124.5	93.7
9738.4	70°	6327.2	2153.0	244.6	171.4	136.2	120.1	128.9	130.4	105.5	76.2
7474.1	72.5°	4638.5	1271.3	171.4	127.4	99.6	83.5	105.5	108.4	84.9	57.1
4496.4	75°	2643.7	603.4	128.9	92.3	61.5	58.6	82.0	82.0	58.6	38.1
1946.5	77.5°	1110.2	251.9	90.8	60.1	35.2	33.7	55.7	51.3	29.3	17.6
474.5	80°	320.8	112.8	48.3	29.3	14.6	13.2	22.0	16.1	7.3	2.9
180.2	82.5°	126.0	49.8	19.0	11.7	5.9	5.9	2.9	0.0	0.0	0.0
102.5	85°	74.7	20.5	8.8	4.4	1.5	0.0	0.0	0.0	0.0	0.0
22.0	87.5°	19.0	4.4	2.9	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>
2541.1
2523.6
2415.2
2106.2
1672.6
1305.0
1092.6
944.7
851.0
783.6
716.2
647.4
582.9
527.3
454.0
392.5
332.5
300.3
281.2
266.6
253.4
240.2
227.0
210.9
184.5
145.0
106.9
89.3
73.2
54.2
35.2
17.6
2.9
0.0
0.0
0.0
0.0

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