

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: P942578

Luminaire Tested: **GALN-SB6C-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20930 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

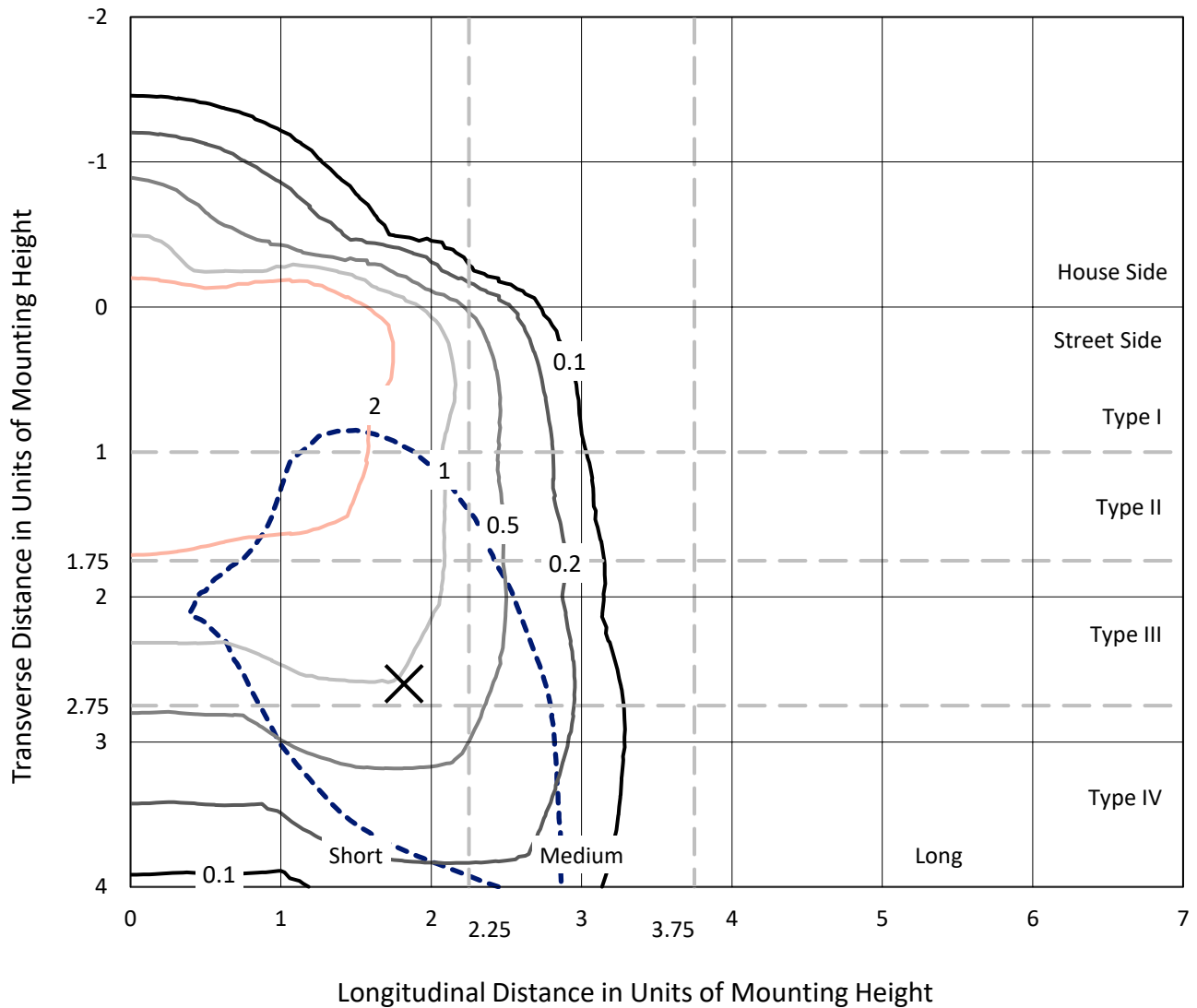
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

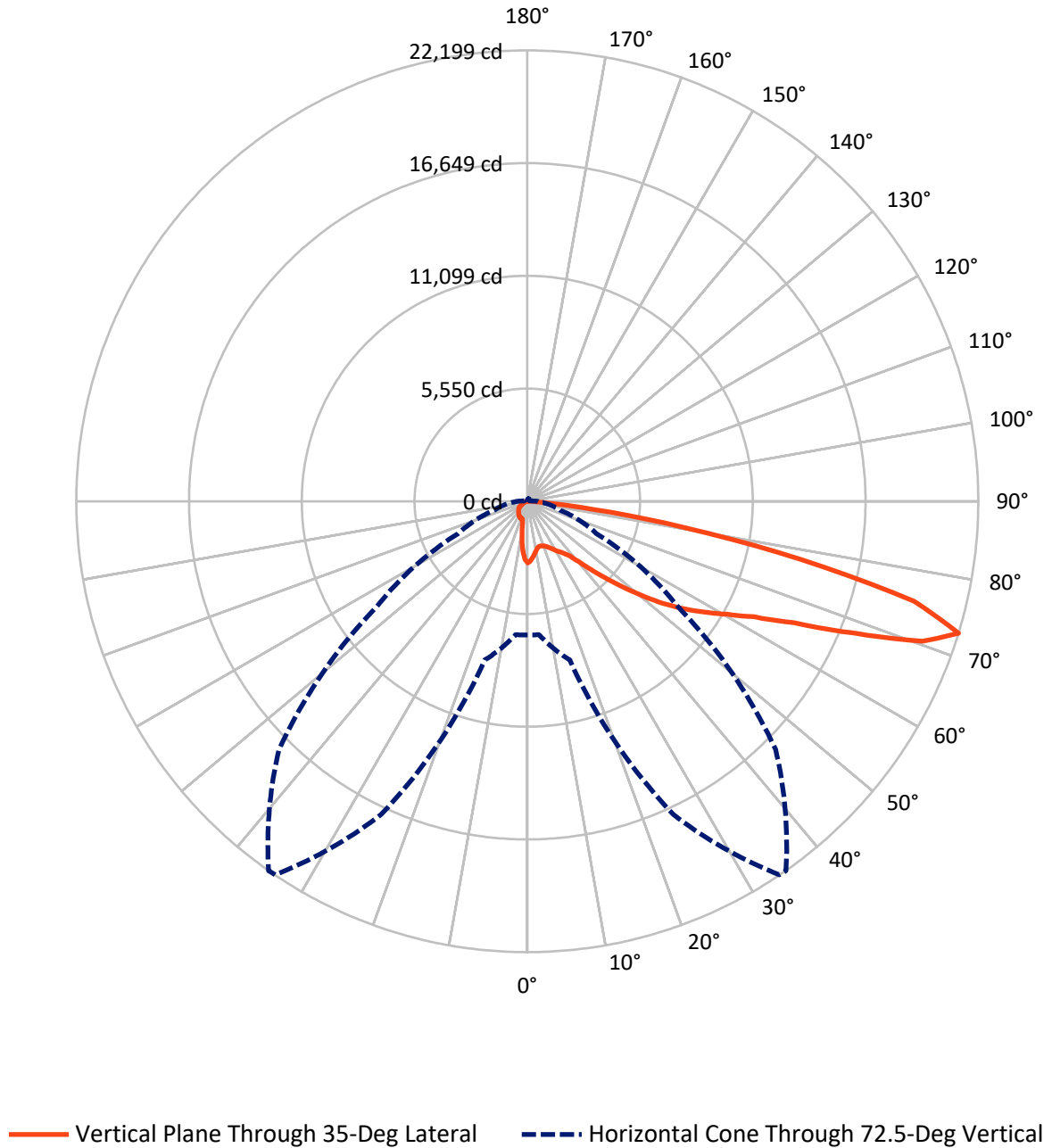
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P942578
CATALOG NUMBER: GALN-SB6C-927-U-T4FT-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2355.6	0.0	2355.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18574.4	0.0	18574.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	20930.0	0.0	20930.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.3	1.2
10°-20°	583.1	2.8
20°-30°	947.3	4.5
30°-40°	1580.5	7.6
40°-50°	2990.4	14.3
50°-60°	4751.8	22.7
60°-70°	5878.3	28.1
70°-80°	3654.0	17.5
80°-90°	295.3	1.4
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°	20930.0	100.0
0°-180°	20930.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942578

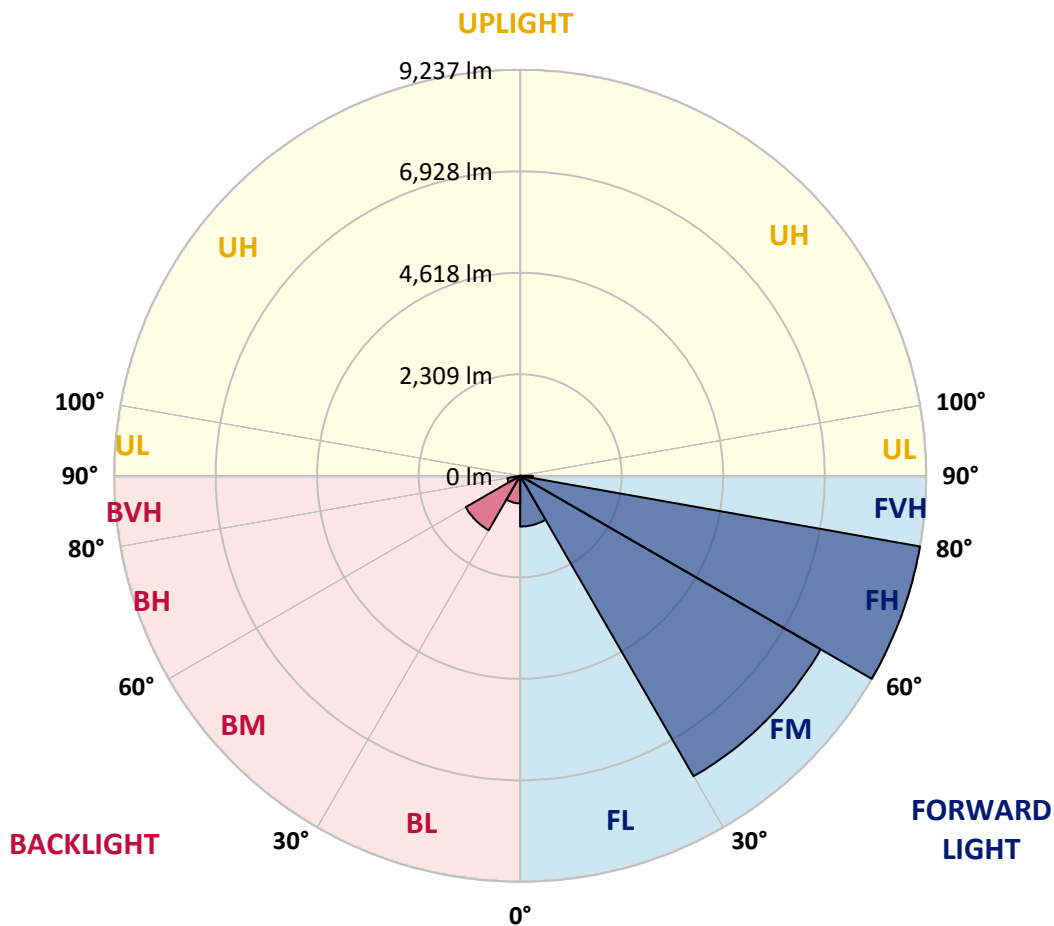
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1153.8	5.5			
FM (30°-60°)	7892.7	37.7			
FH (60°-80°)	9236.7	44.1			G4/12000
FVH (80°-90°)	291.3	1.4			G3/500
BL (0°-30°)	625.9	3.0	B2/1000		
BM (30°-60°)	1430.0	6.8	B2/2500		
BH (60°-80°)	295.6	1.4	B1/500		G1/500
BVH (80°-90°)	4.0	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-G4

Type IV Short



REPORT NUMBER: P942578
 CATALOG NUMBER: GALN-SB6C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5
2.5°	2898.5	2923.0	2927.6	2935.3	2935.3	2944.5	2959.8	2981.3	3016.6	3035.0
5°	2671.5	2689.9	2712.9	2731.3	2766.6	2771.2	2831.0	2889.3	2970.6	3031.9
7.5°	2443.0	2464.5	2495.2	2539.6	2585.6	2599.5	2689.9	2788.1	2916.9	3031.9
10°	2282.0	2283.5	2311.1	2355.6	2429.2	2446.1	2556.5	2696.1	2857.1	3013.5
12.5°	2191.5	2202.2	2214.5	2248.3	2318.8	2329.5	2447.6	2611.7	2797.3	3002.8
15°	2191.5	2199.2	2206.8	2223.7	2280.5	2289.7	2393.9	2558.0	2766.6	3007.4
17.5°	2214.5	2226.8	2220.7	2240.6	2300.4	2306.5	2398.5	2542.7	2765.1	3036.5
20°	2269.7	2278.9	2266.7	2278.9	2338.7	2351.0	2446.1	2571.8	2791.2	3087.1
22.5°	2357.1	2361.7	2332.6	2341.8	2403.1	2418.5	2528.9	2654.7	2854.0	3168.4
25°	2467.6	2476.8	2432.3	2443.0	2501.3	2519.7	2647.0	2778.9	2953.7	3280.4
27.5°	2594.8	2599.5	2561.1	2559.6	2634.7	2660.8	2789.6	2932.2	3087.1	3421.5
30°	2740.5	2754.3	2717.5	2711.4	2806.5	2828.0	2955.2	3120.9	3283.4	3633.1
32.5°	2855.6	2866.3	2844.8	2860.2	2956.8	2973.6	3156.1	3387.7	3591.7	3933.7
35°	3021.2	3027.3	2978.2	3005.9	3116.3	3159.2	3430.7	3761.9	3979.7	4310.9
37.5°	3620.8	3620.8	3412.3	3275.8	3381.6	3419.9	3806.4	4232.7	4458.2	4817.0
40°	4450.5	4436.7	4131.5	3852.4	3838.6	3913.7	4341.6	4826.2	5076.2	5424.3
42.5°	5335.4	5313.9	4898.3	4622.3	4576.3	4602.3	4959.7	5557.8	5812.3	6165.1
45°	6120.6	6114.5	5734.1	5363.0	5280.2	5363.0	5731.1	6413.5	6596.0	6967.1
47.5°	6778.5	6778.5	6500.9	6258.6	6215.7	6264.8	6775.4	7362.8	7345.9	7821.4
50°	7536.1	7530.0	7266.2	7161.9	7206.4	7275.4	7977.8	8362.7	8121.9	8660.2
52.5°	8066.7	8103.5	8013.1	7996.2	8223.2	8342.8	9198.5	9341.2	8816.7	9456.2
55°	8486.9	8529.9	8634.2	8752.2	9189.3	9345.8	10380.9	10269.0	9397.9	10146.3
57.5°	9082.0	9020.6	9181.7	9414.8	10121.8	10310.4	11526.5	11144.7	9865.6	10706.1
60°	9804.3	9813.5	9841.1	10135.6	11052.6	11295.0	12655.3	11972.8	10166.2	11049.6
62.5°	10672.3	10686.1	10742.9	11195.3	12302.5	12531.0	13857.6	12650.7	10304.3	10953.0
65°	10612.5	10670.8	11304.2	12851.6	14202.7	14428.1	15260.8	13126.1	10095.7	10069.6
67.5°	9667.8	9762.9	10822.6	14829.9	17067.4	17318.9	16957.0	13219.6	9195.5	7830.6
70°	8428.7	8462.4	9736.8	16608.9	20384.6	20639.2	18475.3	12190.6	6977.9	4367.7
72.5°	6582.2	6589.9	8085.1	17021.4	22185.0	22198.8	17283.7	9049.8	3752.7	1677.8
75°	4702.0	4656.0	5415.1	13803.9	19518.1	19674.5	12957.4	4245.0	1433.9	792.9
77.5°	2521.2	2571.8	3064.1	8186.4	13483.4	13750.2	7069.9	1223.8	730.0	539.8
80°	779.1	822.0	1256.0	3748.1	7637.3	7798.4	2620.9	544.4	509.2	384.9
82.5°	245.4	254.6	585.8	1575.0	3169.9	3243.6	759.1	308.3	348.1	254.6
85°	70.5	72.1	260.7	587.4	783.7	799.0	213.2	119.6	199.4	158.0
87.5°	7.7	24.5	98.2	98.2	69.0	67.5	23.0	26.1	56.7	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942578
 CATALOG NUMBER: GALN-SB6C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3033.5	0°	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5	3033.5
3047.3	2.5°	3039.6	3041.1	3021.2	2987.5	2950.6	2920.0	2881.6	2851.0	2829.5	2823.4
3074.9	5°	3061.1	3050.3	2993.6	2890.8	2768.1	2662.3	2544.2	2450.7	2389.3	2363.3
3104.0	7.5°	3093.3	3062.6	2938.4	2735.9	2501.3	2292.7	2081.1	1917.0	1812.7	1760.6
3131.6	10°	3120.9	3059.5	2846.4	2512.0	2153.2	1837.3	1552.0	1354.2	1243.7	1191.6
3163.8	12.5°	3146.9	3058.0	2726.7	2246.7	1760.6	1374.1	1108.8	1010.6	980.0	969.2
3216.0	15°	3196.0	3062.6	2576.4	1943.1	1369.5	1038.2	941.6	940.1	946.2	943.2
3295.7	17.5°	3263.5	3067.2	2406.2	1621.0	1056.6	915.6	911.0	924.8	934.0	929.4
3395.4	20°	3350.9	3085.6	2225.3	1302.0	907.9	884.9	895.6	907.9	915.6	907.9
3528.8	22.5°	3473.6	3117.8	2027.4	1045.9	860.3	866.5	875.7	889.5	897.2	886.4
3699.0	25°	3623.9	3168.4	1832.7	909.4	837.3	845.0	858.8	874.2	883.4	872.6
3913.7	27.5°	3818.7	3249.7	1653.2	878.8	814.3	818.9	838.9	861.9	874.2	860.3
4218.9	30°	4100.8	3383.1	1498.3	892.6	800.5	789.8	817.4	849.6	863.4	851.1
4634.5	32.5°	4475.0	3571.8	1403.2	914.0	794.4	756.1	782.1	823.5	846.5	838.9
5177.4	35°	4965.8	3858.5	1366.4	938.6	789.8	720.8	739.2	783.7	823.5	831.2
5861.4	37.5°	5560.8	4257.3	1377.2	949.3	776.0	691.7	700.9	739.2	791.3	815.9
6631.3	40°	6237.1	4722.0	1438.5	938.6	760.7	667.1	668.6	697.8	743.8	780.6
7459.4	42.5°	6934.9	5264.8	1552.0	898.7	746.9	645.6	641.0	661.0	691.7	717.7
8286.0	45°	7599.0	5823.1	1664.0	843.5	730.0	624.2	613.4	621.1	627.2	638.0
9091.2	47.5°	8178.7	6215.7	1631.7	792.9	707.0	599.6	581.2	578.2	559.8	558.2
9810.4	50°	8579.0	6301.6	1449.3	742.3	673.2	572.0	542.9	524.5	492.3	476.9
10348.7	52.5°	8706.2	5962.6	1183.9	691.7	618.0	535.2	493.8	464.7	424.8	411.0
10658.5	55°	8537.5	5298.6	946.2	630.3	541.4	486.2	440.1	401.8	369.6	352.7
10692.3	57.5°	8125.0	4453.6	748.4	558.2	460.1	430.9	384.9	346.6	319.0	302.1
10318.1	60°	7441.0	3536.5	592.0	472.3	392.6	371.1	323.6	299.1	274.5	254.6
9351.9	62.5°	6402.8	2524.3	464.7	374.2	328.2	303.7	276.0	257.6	228.5	200.9
7614.3	65°	4996.5	1544.3	358.9	274.5	263.8	251.5	234.6	217.8	182.5	154.9
4967.3	67.5°	3151.5	731.5	256.1	207.0	208.6	202.4	194.8	181.0	154.9	130.4
2225.3	70°	1387.9	354.3	168.7	158.0	154.9	154.9	161.0	156.4	131.9	108.9
772.9	72.5°	472.3	190.2	125.8	119.6	112.0	110.4	135.0	130.4	105.8	84.3
384.9	75°	246.9	127.3	92.0	85.9	67.5	81.3	107.4	101.2	75.1	55.2
254.6	77.5°	161.0	90.5	62.9	55.2	38.3	53.7	79.7	70.5	44.5	27.6
167.2	80°	101.2	59.8	36.8	26.1	18.4	29.1	42.9	30.7	16.9	6.1
98.2	82.5°	53.7	30.7	13.8	9.2	7.7	9.2	10.7	7.7	3.1	0.0
50.6	85°	21.5	10.7	4.6	3.1	1.5	0.0	3.1	1.5	0.0	0.0
9.2	87.5°	7.7	1.5	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°
3033.5
2834.1
2372.5
1768.2
1193.1
966.2
941.6
927.8
906.4
884.9
871.1
860.3
849.6
838.9
831.2
822.0
792.9
728.5
644.1
556.7
478.5
409.5
352.7
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