

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: P953039

Luminaire Tested: **GALN-SB6C-950-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953039
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: McGRAW-EDISON
Catalog Number: GALN-SB6C-950-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA 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: 24335 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

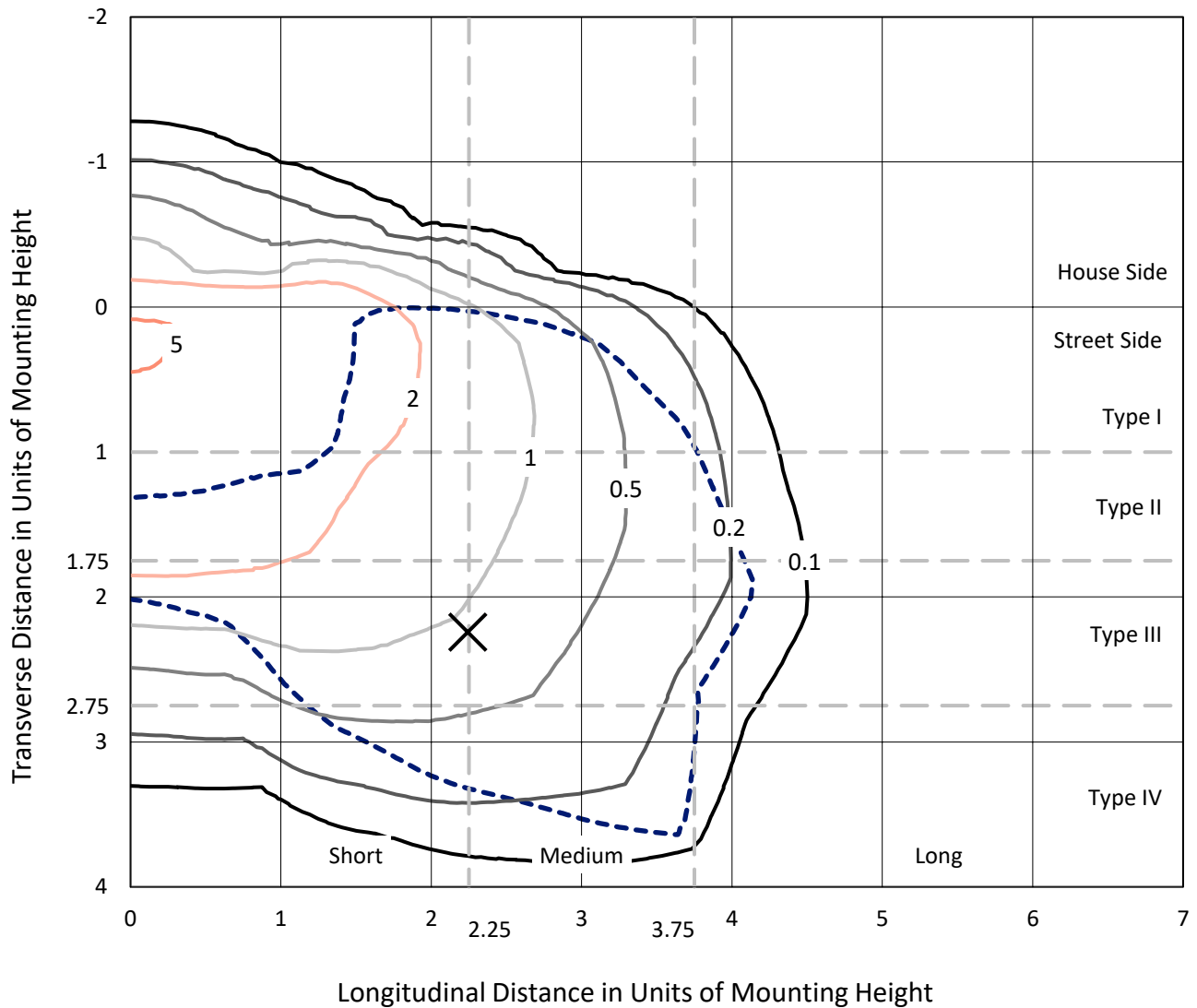
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

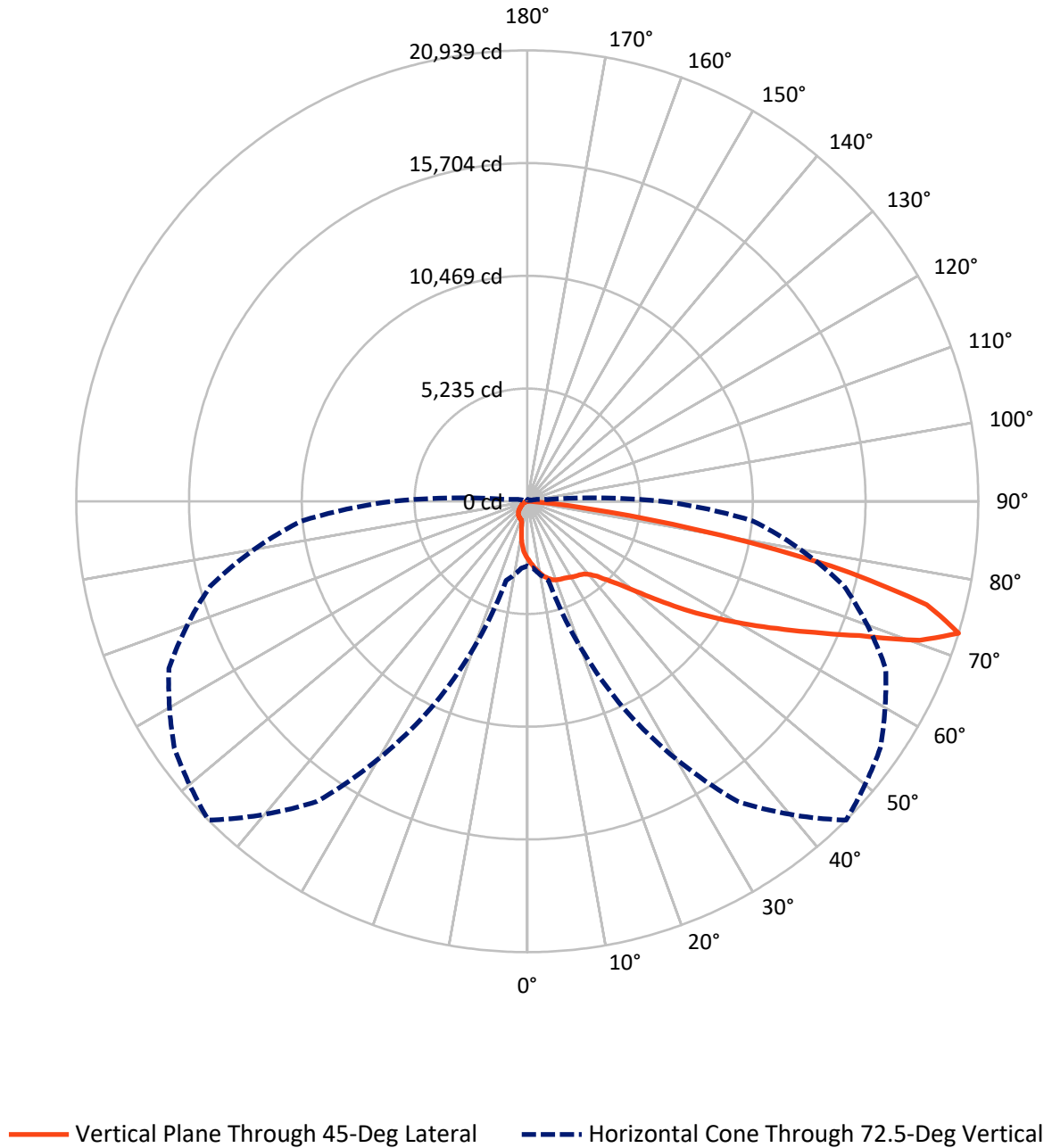
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2556.9	0.0	2556.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	21778.1	0.0	21778.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	24335.0	0.0	24335.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	1.0
10°-20°	734.1	3.0
20°-30°	1205.5	5.0
30°-40°	1709.7	7.0
40°-50°	2826.0	11.6
50°-60°	5076.6	20.9
60°-70°	7049.1	29.0
70°-80°	5113.2	21.0
80°-90°	369.7	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°	24335.0	100.0
0°-180°	24335.0	100.0

Coefficient of Utilization



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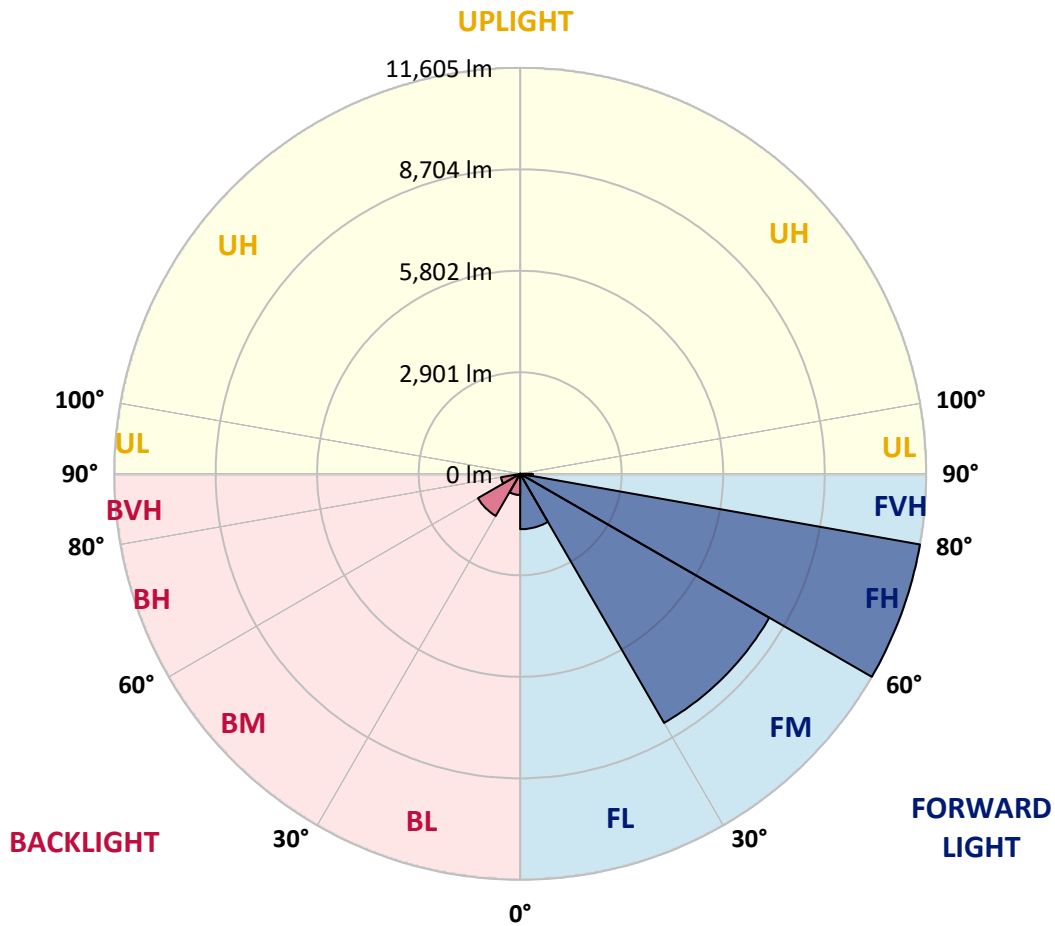
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1585.2	6.5			
FM (30°-60°)	8221.7	33.8			
FH (60°-80°)	11604.7	47.7			G4/12000
FVH (80°-90°)	366.6	1.5			G3/500
BL (0°-30°)	605.6	2.5	B2/1000		
BM (30°-60°)	1390.6	5.7	B2/2500		
BH (60°-80°)	557.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0
2.5°	2911.8	2916.8	2913.4	2893.5	2860.3	2842.0	2832.1	2798.8	2777.2	2739.0
5°	3179.2	3199.1	3187.5	3147.6	3084.5	3039.7	3026.4	2958.3	2896.8	2825.4
7.5°	3463.2	3473.2	3451.6	3400.1	3315.4	3239.0	3227.4	3132.7	3034.7	2925.1
10°	3709.1	3720.7	3687.5	3612.7	3516.4	3421.7	3405.1	3300.5	3184.2	3049.6
12.5°	3915.0	3926.7	3883.5	3793.8	3687.5	3589.5	3572.9	3463.2	3335.3	3185.9
15°	4071.2	4092.8	4034.6	3938.3	3823.7	3725.7	3717.4	3609.4	3484.8	3318.7
17.5°	4162.5	4184.1	4129.3	4013.0	3915.0	3832.0	3822.0	3732.3	3616.1	3456.6
20°	4177.5	4197.4	4139.3	4038.0	3956.6	3890.1	3885.1	3820.4	3735.7	3582.8
22.5°	4132.6	4157.6	4104.4	4023.0	3966.5	3931.7	3925.0	3888.5	3840.3	3710.7
25°	4086.1	4106.1	4066.2	3994.8	3964.9	3961.6	3966.5	3959.9	3949.9	3840.3
27.5°	4082.8	4104.4	4059.6	3991.5	3974.8	4009.7	4014.7	4046.3	4054.6	3958.2
30°	4111.0	4126.0	4082.8	4011.4	4003.1	4082.8	4084.5	4140.9	4154.2	4057.9
32.5°	4172.5	4189.1	4145.9	4041.3	4029.7	4140.9	4145.9	4220.7	4242.3	4164.2
35°	4317.0	4336.9	4287.1	4124.3	4082.8	4195.8	4210.7	4298.7	4341.9	4277.1
37.5°	4677.5	4619.3	4551.2	4292.1	4204.1	4282.1	4307.0	4410.0	4486.4	4411.7
40°	5572.8	5390.0	5177.4	4577.8	4416.7	4466.5	4486.4	4589.4	4694.1	4621.0
42.5°	6916.5	6700.6	6358.4	5235.6	4737.3	4762.2	4777.1	4866.8	5014.6	4956.5
45°	8114.1	8036.1	7687.2	6358.4	5336.9	5214.0	5232.2	5278.7	5496.3	5474.8
47.5°	9034.3	8989.5	8720.4	7647.4	6350.1	5767.1	5818.6	5840.2	6154.1	6230.5
50°	9741.9	9725.3	9484.5	8793.5	7674.0	6582.7	6600.9	6554.4	7024.5	7213.8
52.5°	10409.7	10466.1	10288.4	9858.2	9087.5	7650.7	7647.4	7428.1	8062.6	8348.3
55°	11012.6	11032.6	11050.8	10944.5	10509.3	8866.6	8835.0	8476.2	9266.9	9562.5
57.5°	11579.0	11587.3	11750.1	11967.7	11989.3	10172.1	10114.0	9683.8	10582.4	10793.4
60°	11959.4	11997.6	12341.4	12946.1	13210.2	11519.2	11487.7	11049.2	11921.2	12019.2
62.5°	11411.3	11643.8	12510.9	13710.1	14362.9	13012.5	12997.5	12585.6	13329.8	13250.0
65°	9237.0	9630.6	11155.5	14226.7	15494.1	14680.2	14701.8	14263.3	14776.5	14517.4
67.5°	6461.4	6876.7	8680.5	14268.2	16758.1	16638.5	16763.1	16075.4	16313.0	15731.6
70°	4468.2	4682.4	5856.8	13374.6	17743.1	19336.0	19332.7	18301.2	17841.1	16284.7
72.5°	3004.8	3116.1	3803.8	10610.7	17018.9	20938.9	20842.6	20002.1	18356.0	15230.0
75°	1267.4	1348.8	1760.7	5963.1	13464.3	19156.6	18895.9	17676.7	16309.6	11992.6
77.5°	402.0	436.9	694.3	2134.4	7416.5	14399.5	14123.7	11039.2	10931.2	6016.2
80°	191.0	222.6	390.3	857.1	2918.4	7831.8	7793.5	5008.0	4702.4	1624.5
82.5°	83.1	98.0	215.9	458.4	1305.6	2793.9	2850.3	1704.2	1410.2	616.2
85°	26.6	34.9	99.7	211.0	551.5	694.3	686.0	405.3	568.1	335.5
87.5°	0.0	0.0	33.2	48.2	56.5	39.9	44.8	34.9	157.8	93.0
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°
2666.0	0°	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0	2666.0
2699.2	2.5°	2679.2	2652.7	2606.2	2563.0	2524.8	2486.6	2463.3	2430.1	2426.8	2426.8
2742.4	5°	2697.5	2654.3	2571.3	2483.2	2381.9	2285.6	2189.2	2096.2	2066.3	2044.7
2812.1	7.5°	2750.7	2682.6	2551.3	2383.6	2190.9	1979.9	1832.1	1672.7	1611.2	1578.0
2905.1	10°	2827.1	2734.1	2534.7	2240.7	1928.5	1641.1	1430.1	1257.4	1191.0	1162.7
3006.5	12.5°	2911.8	2797.2	2504.8	2063.0	1641.1	1297.3	1091.3	1011.6	1001.6	1001.6
3127.7	15°	3013.1	2873.6	2453.3	1853.7	1340.5	1026.5	953.4	956.8	966.7	973.4
3245.7	17.5°	3117.8	2955.0	2371.9	1619.5	1074.7	923.5	925.2	930.2	938.5	945.1
3373.5	20°	3230.7	3036.4	2264.0	1370.3	921.9	893.6	898.6	903.6	910.2	913.6
3493.1	22.5°	3352.0	3112.8	2136.1	1126.2	870.4	868.7	870.4	875.4	883.7	883.7
3632.7	25°	3481.5	3197.5	1989.9	948.4	843.8	843.8	847.1	850.4	857.1	857.1
3767.2	27.5°	3614.4	3275.5	1835.4	855.4	820.5	818.9	818.9	823.9	827.2	828.9
3900.1	30°	3760.6	3366.9	1681.0	835.5	802.3	794.0	789.0	792.3	795.6	797.3
4039.6	32.5°	3910.1	3454.9	1543.1	843.8	784.0	769.1	752.4	749.1	749.1	755.8
4184.1	35°	4076.2	3551.3	1436.8	872.0	774.0	732.5	705.9	691.0	692.6	702.6
4356.9	37.5°	4275.5	3667.6	1358.7	897.0	767.4	691.0	647.8	629.5	617.9	629.5
4594.4	40°	4536.3	3838.6	1302.2	916.9	759.1	642.8	584.7	554.8	533.2	539.8
4963.2	42.5°	4920.0	4107.7	1280.7	918.5	740.8	586.3	519.9	480.0	448.5	450.1
5517.9	45°	5458.1	4532.9	1391.9	897.0	701.0	524.9	451.8	398.6	378.7	373.7
6346.8	47.5°	6195.6	5152.5	1649.4	852.1	642.8	465.1	385.4	340.5	325.6	317.3
7434.8	50°	7183.9	5948.1	1935.1	802.3	584.7	408.6	330.5	302.3	292.3	284.0
8725.4	52.5°	8330.1	6755.4	2169.3	752.4	526.5	358.8	295.7	279.1	270.7	264.1
9971.2	55°	9381.5	7311.8	2156.0	699.3	470.1	318.9	270.7	260.8	250.8	244.2
11044.2	57.5°	10035.9	7389.9	1777.3	641.2	405.3	287.4	247.5	240.8	229.2	220.9
11972.7	60°	10336.6	6944.8	1245.8	564.7	340.5	257.5	222.6	219.3	204.3	192.7
12851.4	62.5°	10391.4	6117.6	830.5	470.1	284.0	229.2	197.7	192.7	172.7	152.8
13565.6	65°	10168.8	4934.9	574.7	367.1	242.5	199.3	169.4	159.5	137.9	117.9
13735.0	67.5°	9464.5	3464.9	400.3	264.1	206.0	157.8	134.5	131.2	114.6	98.0
12871.3	70°	8173.9	1975.0	267.4	197.7	162.8	108.0	106.3	109.6	93.0	79.7
10516.0	72.5°	6267.1	903.6	166.1	144.5	111.3	73.1	84.7	86.4	71.4	59.8
6561.1	75°	3689.1	387.0	104.6	93.0	56.5	48.2	61.5	63.1	48.2	38.2
2398.5	77.5°	1255.7	146.2	66.4	54.8	28.2	26.6	39.9	39.9	26.6	14.9
481.7	80°	285.7	54.8	33.2	21.6	13.3	11.6	13.3	11.6	6.6	1.7
147.8	82.5°	81.4	21.6	13.3	8.3	5.0	5.0	1.7	0.0	0.0	0.0
51.5	85°	23.3	10.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
18.3	87.5°	10.0	1.7	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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<u>180°</u>
2666.0
2435.1
2054.7
1583.0
1162.7
1001.6
973.4
945.1
915.2
887.0
858.8
830.5
800.6
760.8
707.6
626.2
536.5
443.5
367.1
312.3
282.4
262.4
240.8
219.3
189.4
142.8
111.3
93.0
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