

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: P942746

Luminaire Tested: **GALN-SB6D-927-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942746  
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-SB6D-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

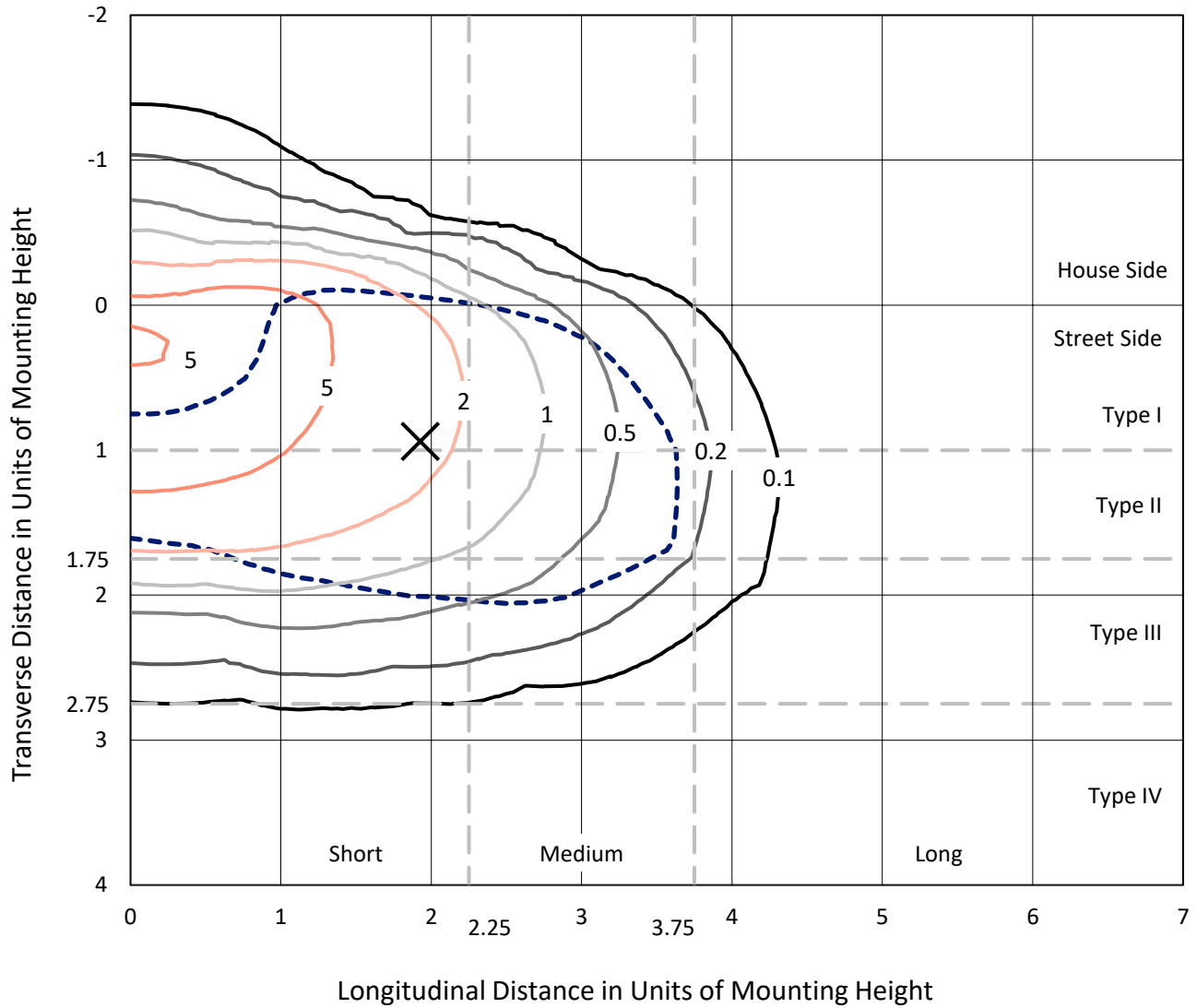
Lumens per Lamp: N/A  
Luminaire Lumens: 29458 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

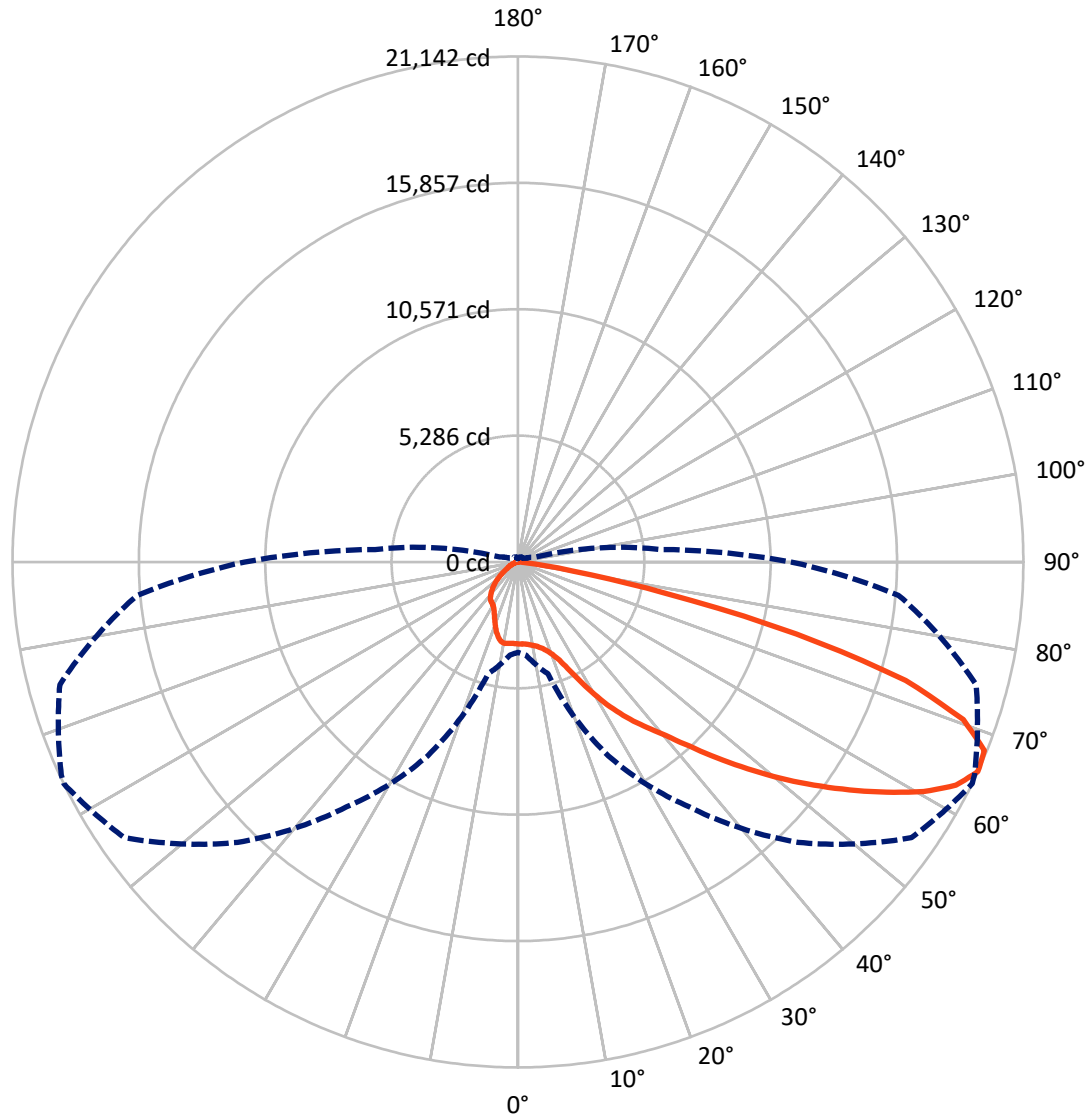
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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
<b>House Side</b>	Lumens	3939.4	0.0	3939.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	25518.6	0.0	25518.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	29458.0	0.0	29458.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.1	1.1
10°-20°	857.4	2.9
20°-30°	1624.6	5.5
30°-40°	3287.5	11.2
40°-50°	5600.3	19.0
50°-60°	7616.0	25.9
60°-70°	7151.8	24.3
70°-80°	2865.3	9.7
80°-90°	138.8	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°	29458.0	100.0
0°-180°	29458.0	100.0

**Coefficient of Utilization**



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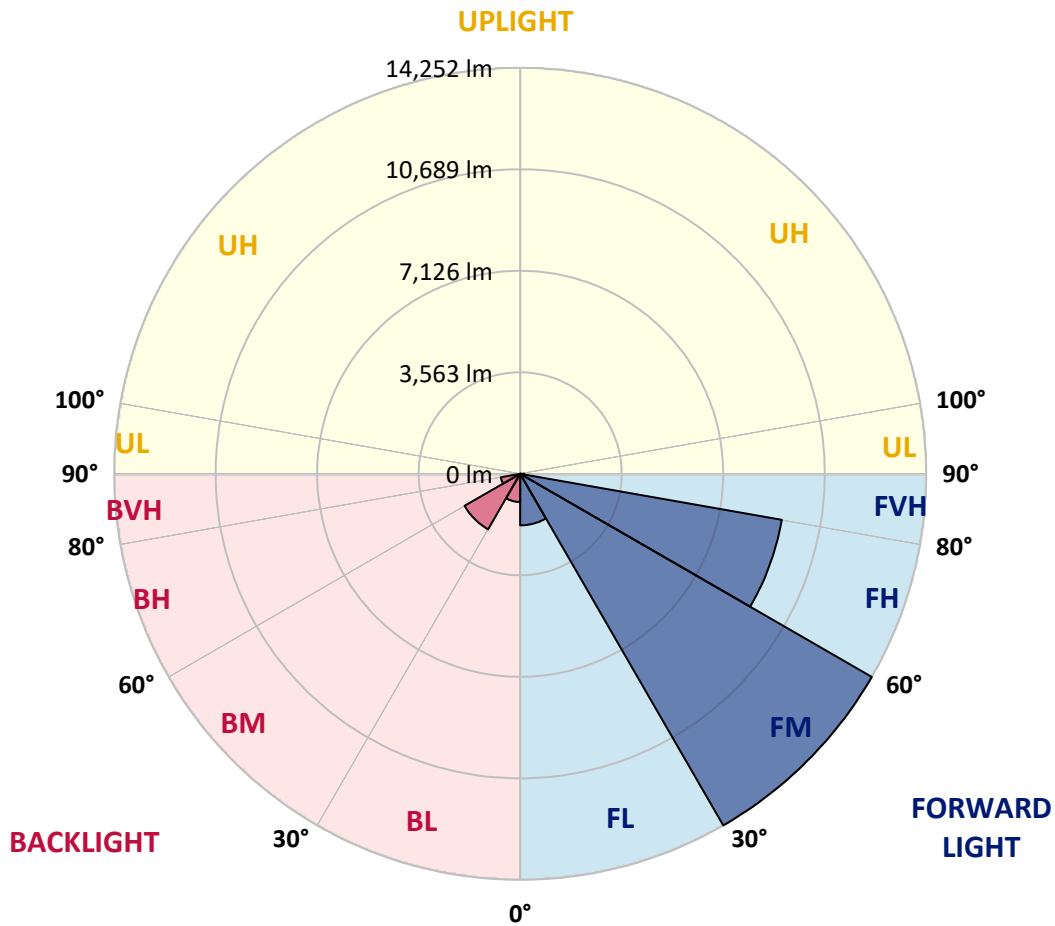
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1809.1	6.1			
FM (30°-60°)	14251.7	48.4			
FH (60°-80°)	9325.7	31.7			G4/12000
FVH (80°-90°)	132.0	0.4			G2/225
BL (0°-30°)	989.1	3.4	B2/1000		
BM (30°-60°)	2252.1	7.6	B2/2500		
BH (60°-80°)	691.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.8	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3
2.5°	3414.4	3438.1	3432.2	3426.3	3424.3	3428.2	3430.2	3428.2	3428.2	3428.2
5°	3349.3	3369.0	3369.0	3382.8	3402.6	3426.3	3444.0	3448.0	3451.9	3457.9
7.5°	3224.8	3240.6	3252.5	3297.9	3347.3	3410.5	3463.8	3491.4	3495.4	3517.1
10°	3139.9	3159.7	3179.4	3226.8	3297.9	3392.7	3483.5	3550.7	3560.6	3611.9
12.5°	3136.0	3155.7	3181.4	3232.7	3315.7	3416.4	3527.0	3623.8	3641.5	3716.6
15°	3177.4	3201.1	3224.8	3288.0	3376.9	3499.3	3617.8	3738.3	3756.1	3862.7
17.5°	3262.4	3294.0	3311.7	3374.9	3469.7	3606.0	3762.0	3900.2	3916.0	4040.4
20°	3430.2	3467.7	3473.7	3525.0	3617.8	3764.0	3949.6	4121.4	4141.1	4283.3
22.5°	3777.8	3831.1	3783.7	3809.4	3892.3	4038.5	4239.9	4457.1	4484.8	4646.7
25°	4390.0	4465.0	4342.6	4299.1	4334.7	4486.7	4739.5	5014.0	5045.6	5175.9
27.5°	5592.6	5495.9	5310.2	5128.5	5021.9	5108.8	5393.2	5732.8	5772.3	5898.7
30°	6913.8	6828.8	6578.0	6175.2	5922.4	5908.6	6171.2	6550.4	6595.8	6716.3
32.5°	8236.9	8155.9	7883.4	7387.7	6949.3	6732.1	6913.8	7334.4	7358.1	7435.1
35°	9538.3	9455.3	9182.8	8675.3	8136.2	7642.5	7606.9	8080.9	8088.8	8169.7
37.5°	10847.6	10778.4	10488.1	9990.5	9459.3	8778.0	8448.2	8787.8	8797.7	8876.7
40°	11781.6	11811.3	11611.8	11226.7	10770.5	10026.0	9392.1	9540.2	9481.0	9613.3
42.5°	12583.4	12642.6	12468.9	12275.3	12010.7	11355.1	10561.2	10535.5	10440.7	10511.8
45°	13276.6	13325.9	13169.9	13124.5	13118.6	12658.4	11838.9	11684.9	11552.6	11538.7
47.5°	13531.3	13626.1	13693.2	13845.3	14141.5	13948.0	13160.0	12921.1	12773.0	12664.4
50°	13628.1	13728.8	13957.9	14400.2	15101.3	15184.2	14475.3	14206.7	14025.0	13827.5
52.5°	13497.7	13677.4	13985.5	14730.0	15747.0	16175.6	15737.2	15502.1	15294.8	14972.9
55°	12729.5	12909.2	13539.2	14726.1	16068.9	16870.7	16929.9	16825.3	16592.2	16084.7
57.5°	11110.2	11376.8	12374.1	14224.5	16063.0	17469.0	18099.0	18174.0	17913.4	17186.7
60°	8866.8	9228.2	10444.7	13112.6	15567.3	17792.9	19123.9	19499.1	19222.7	18272.8
62.5°	6187.0	6605.7	7757.0	11370.9	14433.8	17559.9	19872.4	20565.5	20356.2	19244.4
65°	3773.8	3908.1	4836.3	8947.8	12506.4	16584.3	20103.4	21142.2	21073.0	19838.8
67.5°	2513.9	2626.5	2893.1	6135.7	9708.1	14635.2	19550.5	21041.5	21061.2	19742.0
70°	1514.7	1611.4	1785.2	3568.5	6291.7	11584.2	17838.3	19757.8	19872.4	18448.5
72.5°	624.0	689.2	847.2	1617.4	3258.4	7352.2	14204.7	16963.5	17230.1	15512.0
75°	353.5	387.1	497.6	811.6	1414.0	3426.3	8604.2	12042.3	12435.3	10691.5
77.5°	235.0	250.8	321.9	525.3	795.8	1169.1	3677.1	6273.9	7024.3	5839.5
80°	158.0	171.8	221.2	351.5	517.4	501.6	1171.1	2324.3	2859.5	2006.4
82.5°	106.6	108.6	158.0	231.1	327.8	242.9	345.6	722.8	908.4	580.6
85°	61.2	59.2	116.5	134.3	146.1	100.7	104.7	217.2	284.4	244.9
87.5°	7.9	11.8	45.4	35.5	19.7	21.7	21.7	37.5	55.3	59.2
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°
3426.3	0°	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3	3426.3
3430.2	2.5°	3430.2	3428.2	3422.3	3416.4	3402.6	3394.7	3398.6	3394.7	3392.7	3394.7
3455.9	5°	3455.9	3450.0	3434.2	3414.4	3386.8	3353.2	3331.5	3299.9	3270.3	3252.5
3525.0	7.5°	3525.0	3519.1	3497.4	3442.1	3353.2	3213.0	3084.6	2972.1	2887.2	2837.8
3635.6	10°	3635.6	3625.7	3592.2	3469.7	3236.7	2930.6	2675.8	2464.5	2326.3	2261.1
3765.9	12.5°	3765.9	3754.1	3694.8	3444.0	3015.5	2537.6	2186.1	1951.1	1822.7	1765.5
3916.0	15°	3920.0	3904.2	3787.7	3321.6	2693.6	2103.2	1781.3	1605.5	1522.6	1471.2
4107.6	17.5°	4111.5	4083.9	3856.8	3138.0	2344.1	1771.4	1532.4	1400.1	1327.1	1277.7
4358.4	20°	4360.3	4314.9	3912.1	2918.7	2022.2	1562.1	1364.6	1254.0	1198.7	1155.3
4713.8	22.5°	4707.9	4642.7	3979.2	2681.8	1795.1	1417.9	1240.2	1159.2	1113.8	1064.4
5209.5	25°	5138.4	5061.4	4062.2	2462.6	1639.1	1293.5	1149.3	1082.2	1028.9	971.6
5859.2	27.5°	5740.7	5602.5	4160.9	2282.9	1504.8	1186.9	1066.4	991.3	930.1	882.7
6595.8	30°	6412.2	6185.1	4247.8	2174.3	1382.4	1088.1	957.8	882.7	825.5	791.9
7257.4	32.5°	7048.0	6740.0	4305.1	2126.9	1271.8	975.5	839.3	758.3	714.9	705.0
7905.1	35°	7648.4	7241.6	4299.1	2081.4	1173.0	863.0	722.8	639.8	606.3	612.2
8602.2	37.5°	8339.6	7776.7	4257.7	2010.3	1092.1	760.3	622.1	549.0	519.4	521.3
9449.4	40°	9143.3	8394.9	4232.0	1876.1	1003.2	665.5	539.1	479.9	458.2	450.3
10342.0	42.5°	10000.4	8993.2	4235.9	1724.0	892.6	580.6	481.9	432.5	412.7	406.8
11335.3	45°	10861.4	9563.9	4241.9	1566.0	776.1	515.4	440.4	398.9	387.1	379.2
12342.5	47.5°	11671.0	10049.7	4131.3	1396.2	661.6	466.1	406.8	379.2	369.3	359.4
13353.6	50°	12425.4	10373.6	3864.7	1198.7	570.7	426.6	381.1	361.4	351.5	341.6
14269.9	52.5°	13011.9	10424.9	3424.3	995.3	507.5	396.9	365.3	347.6	335.7	325.8
15010.4	55°	13272.6	10103.1	2798.3	805.7	458.2	371.3	349.5	331.8	317.9	308.1
15593.0	57.5°	13205.5	9425.7	2182.1	647.7	410.8	345.6	329.8	317.9	302.1	286.3
16065.0	60°	12875.7	8519.3	1645.0	539.1	367.3	317.9	308.1	298.2	276.5	252.8
16246.6	62.5°	12305.0	7379.8	1173.0	446.3	319.9	286.3	282.4	274.5	242.9	199.5
15978.1	65°	11432.1	5995.5	789.9	371.3	274.5	250.8	252.8	239.0	197.5	148.1
14994.6	67.5°	10156.4	4384.0	505.5	304.1	229.1	209.3	211.3	203.4	167.9	126.4
13130.4	70°	8531.1	2903.0	329.8	231.1	183.7	161.9	173.8	175.8	142.2	102.7
10077.4	72.5°	6254.2	1714.1	231.1	171.8	134.3	112.6	142.2	146.1	114.5	77.0
6062.6	75°	3564.5	813.6	173.8	124.4	82.9	79.0	110.6	110.6	79.0	51.3
2624.5	77.5°	1496.9	339.7	122.4	81.0	47.4	45.4	75.0	69.1	39.5	23.7
639.8	80°	432.5	152.1	65.2	39.5	19.7	17.8	29.6	21.7	9.9	3.9
242.9	82.5°	169.8	67.1	25.7	15.8	7.9	7.9	3.9	0.0	0.0	0.0
138.2	85°	100.7	27.6	11.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0
29.6	87.5°	25.7	5.9	3.9	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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180°  
3426.3  
3402.6  
3256.4  
2839.8  
2255.2  
1759.5  
1473.2  
1273.7  
1147.4  
1056.5  
965.7  
872.9  
786.0  
710.9  
612.2  
529.2  
448.3  
404.8  
379.2  
359.4  
341.6  
323.9  
306.1  
284.4  
248.8  
195.5  
*144.2*  
120.5  
98.7  
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