

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: P952869

Luminaire Tested: **GALN-SB6C-830-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-830-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

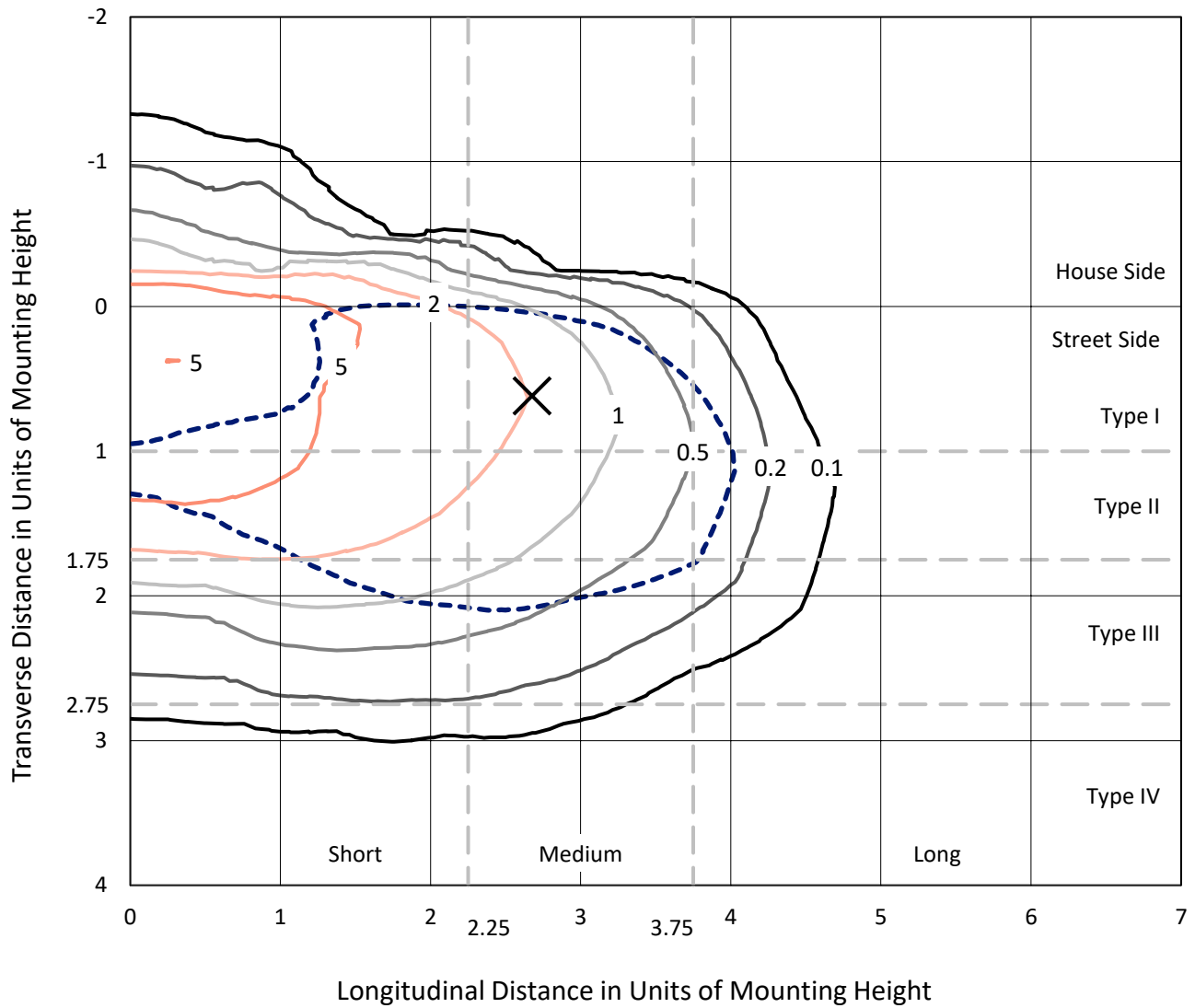
Lumens per Lamp: N/A  
Luminaire Lumens: 33973 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): 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

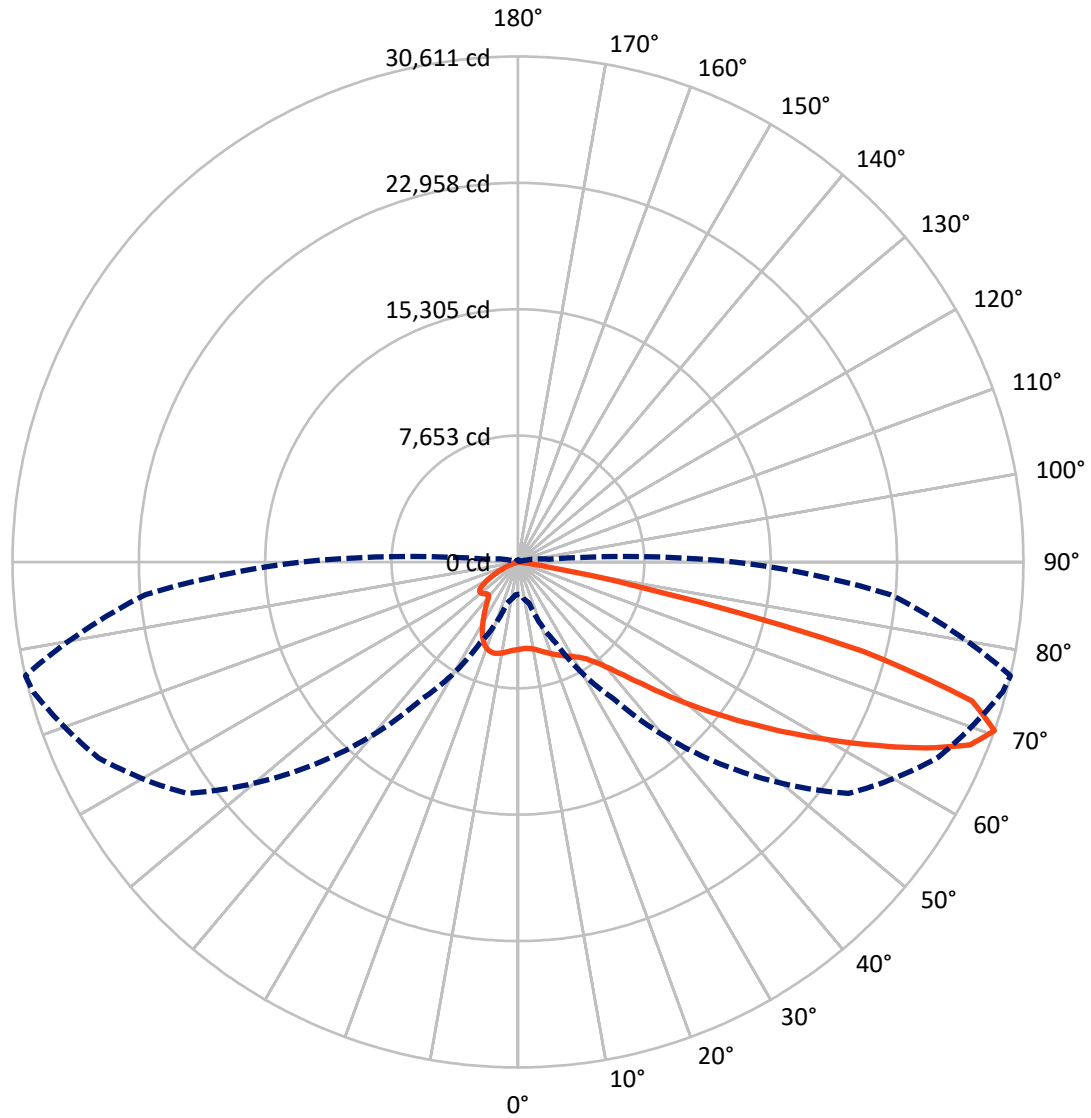
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3581.2	0.0	3581.2
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	30391.8	0.0	30391.8
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	33973.0	0.0	33973.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.7	1.3
10°-20°	1084.2	3.2
20°-30°	1676.9	4.9
30°-40°	3042.8	9.0
40°-50°	5743.7	16.9
50°-60°	8299.2	24.4
60°-70°	8834.3	26.0
70°-80°	4681.5	13.8
80°-90°	153.7	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°	33973.0	100.0
0°-180°	33973.0	100.0

**Coefficient of Utilization**



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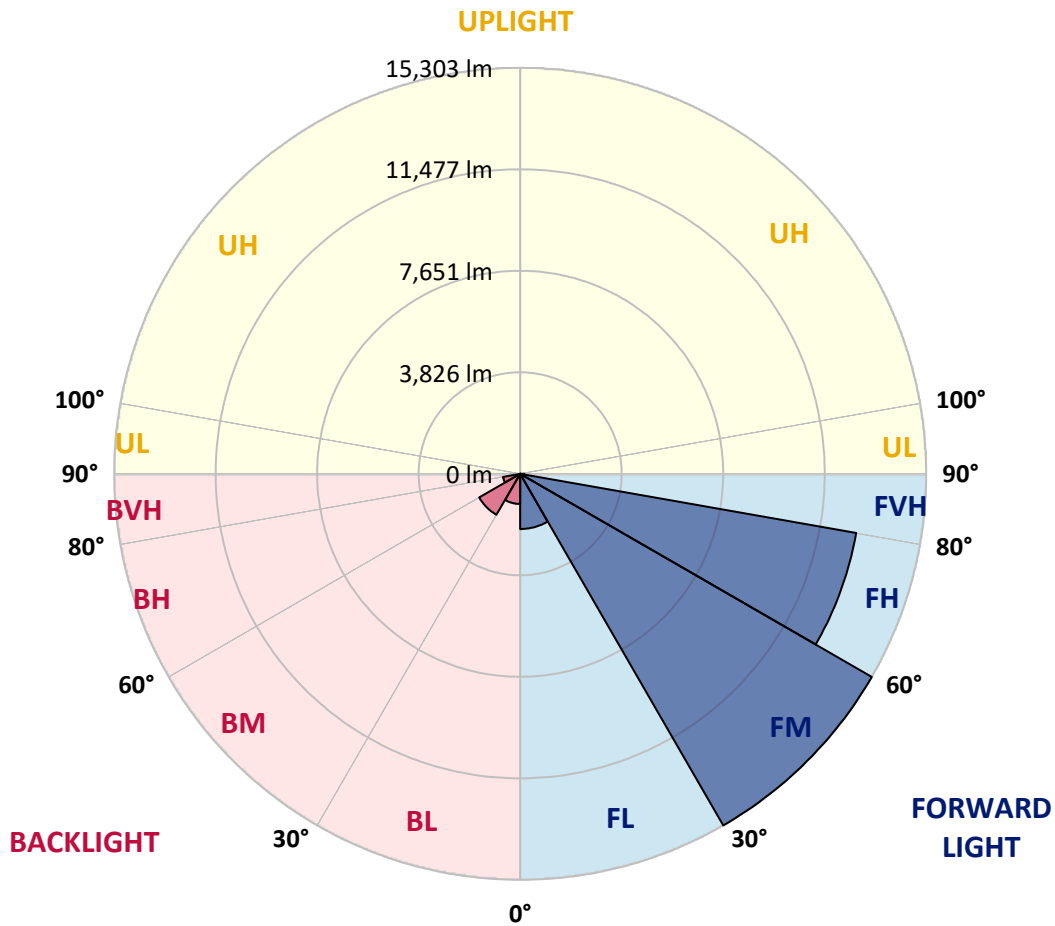
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2079.9	6.1			
FM (30°-60°)	15303.0	45.0			
FH (60°-80°)	12859.3	37.9			G5
FVH (80°-90°)	149.6	0.4			G2/225
BL (0°-30°)	1137.8	3.3	B3/2500		
BM (30°-60°)	1782.8	5.2	B2/2500		
BH (60°-80°)	656.5	1.9	B2/1000		G2/1000
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2
2.5°	4975.2	5020.3	5013.8	5043.9	5054.6	5097.5	5140.4	5198.3	5262.7	5260.6
5°	4694.2	4739.2	4749.9	4790.7	4842.2	4908.7	4996.7	5112.5	5232.7	5252.0
7.5°	4361.6	4408.8	4436.7	4518.2	4612.6	4749.9	4893.7	5063.2	5262.7	5290.6
10°	4029.1	4072.0	4108.5	4224.3	4374.5	4578.3	4812.2	5056.7	5324.9	5365.7
12.5°	3823.1	3863.9	3904.7	4005.5	4192.1	4441.0	4758.5	5086.8	5427.9	5485.8
15°	3750.2	3786.7	3818.8	3908.9	4082.7	4365.9	4747.8	5149.0	5558.8	5636.0
17.5°	3760.9	3780.2	3801.7	3870.3	4039.8	4331.6	4767.1	5256.3	5713.2	5781.9
20°	3823.1	3833.9	3836.0	3883.2	4033.4	4327.3	4805.7	5359.2	5859.1	5951.4
22.5°	3902.5	3906.8	3902.5	3934.7	4074.1	4359.5	4857.2	5483.7	6022.2	6108.0
25°	4273.7	4192.1	4089.2	4026.9	4142.8	4421.7	4934.5	5651.0	6200.2	6283.9
27.5°	5425.8	5191.9	4822.9	4408.8	4284.4	4511.8	5041.7	5820.5	6380.5	6455.6
30°	7296.6	6989.8	6363.3	5430.0	4739.2	4700.6	5181.2	5990.0	6571.4	6652.9
32.5°	9171.6	9096.6	8373.6	7082.0	5762.6	5121.1	5412.9	6219.6	6824.6	6888.9
35°	11068.2	10915.9	10323.7	9047.2	7339.5	5977.1	5799.1	6519.9	7157.1	7230.0
37.5°	12520.6	12428.4	12061.5	11010.3	9210.3	7298.7	6459.8	6985.5	7639.8	7721.3
40°	13803.6	13760.7	13636.3	12943.3	11302.0	9027.9	7487.5	7706.3	8309.2	8405.7
42.5°	14811.9	14912.8	14983.6	14790.5	13458.2	11001.7	8869.1	8719.0	9242.4	9341.1
45°	15843.9	15878.2	16163.6	16442.5	15599.3	13065.6	10426.7	9905.4	10403.1	10525.4
47.5°	16506.8	16644.1	17146.2	17637.5	17399.3	15112.3	12100.1	11306.3	11748.3	11977.9
50°	16556.2	16815.8	17506.6	18362.6	18710.2	17060.3	13919.5	12902.5	13372.4	13625.5
52.5°	15734.5	16137.8	17208.4	18461.3	19418.1	18710.2	15801.0	14498.7	15101.6	15432.0
55°	12063.7	12591.4	16086.3	17924.9	19446.0	19960.9	17633.2	16161.4	17028.2	17401.5
57.5°	10510.4	10776.4	12647.2	16993.8	18929.0	20465.1	19289.4	17744.7	19124.2	19587.6
60°	8744.7	9094.4	10606.9	15470.6	18227.4	20514.5	20752.6	19787.2	21396.2	21917.6
62.5°	5942.8	6322.5	7826.5	12853.2	17268.4	20490.9	21951.9	21889.7	23921.4	24481.3
65°	3681.5	3919.7	4910.9	10495.4	15927.6	20516.6	23207.0	24442.7	26586.0	27154.5
67.5°	2909.2	3018.6	3535.6	8058.2	13616.9	19937.3	24459.9	26843.4	29094.0	29544.5
70°	1954.5	2021.0	2572.4	5402.2	10130.6	17264.2	24436.3	28049.2	30385.5	30610.8
72.5°	1029.8	1081.3	1503.9	2501.6	6118.7	12271.8	20598.1	26607.4	29100.4	28761.4
75°	514.9	600.7	1012.6	1270.1	2613.1	6843.9	12791.0	20977.9	22904.4	21591.5
77.5°	390.5	472.0	836.7	836.7	909.7	2304.2	5417.2	11441.5	10553.3	8787.6
80°	248.9	321.8	731.6	632.9	379.7	585.7	1411.7	3205.2	2242.0	1705.6
82.5°	145.9	210.3	609.3	418.4	212.4	216.7	399.0	682.2	581.4	452.7
85°	57.9	137.3	418.4	165.2	83.7	53.6	120.1	145.9	120.1	90.1
87.5°	0.0	32.2	72.9	0.0	6.4	4.3	8.6	10.7	10.7	8.6
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°
5299.2	0°	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2
5303.5	2.5°	5322.8	5327.1	5339.9	5342.1	5312.0	5273.4	5258.4	5252.0	5226.2	5224.1
5337.8	5°	5387.1	5406.4	5387.1	5331.4	5198.3	5011.7	4870.1	4754.2	4649.1	4616.9
5455.8	7.5°	5515.9	5535.2	5477.2	5258.4	4923.7	4552.6	4217.9	3981.9	3769.5	3690.1
5599.5	10°	5700.4	5726.1	5543.8	5101.8	4509.7	3913.2	3346.8	2947.8	2636.7	2510.1
5794.8	12.5°	5932.1	5942.8	5580.2	4863.7	3971.2	3119.4	2317.0	1890.1	1613.4	1510.4
6030.8	15°	6187.4	6172.4	5584.5	4539.7	3237.4	2205.5	1512.5	1242.2	1130.6	1096.3
6266.8	17.5°	6455.6	6393.3	5498.7	4072.0	2432.9	1508.2	1122.1	1057.7	1038.4	1029.8
6500.6	20°	6719.4	6580.0	5342.1	3460.6	1746.4	1126.3	1019.1	999.8	989.0	984.7
6736.6	22.5°	6959.7	6721.6	5073.9	2750.4	1267.9	995.5	963.3	946.1	926.8	918.2
6966.2	25°	7193.6	6803.1	4696.3	2087.5	1014.8	931.1	905.4	873.2	847.4	836.7
7212.9	27.5°	7421.0	6854.6	4224.3	1544.7	905.4	871.0	823.8	778.8	759.5	755.2
7476.8	30°	7663.4	6871.8	3688.0	1152.1	838.9	795.9	727.3	675.8	665.1	667.2
7832.9	32.5°	7959.5	6897.5	3147.3	944.0	783.1	705.8	624.3	570.7	562.1	570.7
8352.1	35°	8313.5	6949.0	2626.0	868.9	733.7	613.6	525.6	480.6	472.0	478.4
9017.2	37.5°	8794.1	7032.7	2139.0	853.9	693.0	536.4	442.0	405.5	405.5	407.6
9832.4	40°	9433.4	7255.8	1703.5	843.1	671.5	478.4	373.3	358.3	364.7	369.0
10870.8	42.5°	10212.2	7729.9	1409.5	830.3	647.9	452.7	339.0	332.5	343.3	347.6
12115.2	45°	11085.4	8330.6	1306.6	808.8	626.5	469.8	324.0	315.4	328.2	330.4
13509.7	47.5°	11988.6	8918.5	1293.7	785.2	605.0	495.6	319.7	300.4	315.4	317.5
14998.6	50°	12902.5	9302.5	1306.6	748.7	570.7	495.6	321.8	285.3	298.2	304.6
16543.3	52.5°	13822.9	9478.4	1298.0	669.4	510.6	465.6	321.8	272.5	285.3	289.6
18212.4	55°	14715.4	9444.1	1167.1	551.4	433.4	411.9	313.2	261.7	270.3	272.5
19789.3	57.5°	15421.2	8965.7	924.7	429.1	351.8	343.3	285.3	248.9	255.3	253.2
21235.3	60°	15790.3	7914.4	660.8	330.4	276.8	270.3	251.0	231.7	236.0	225.3
22460.3	62.5°	15794.5	6524.2	442.0	261.7	221.0	214.5	214.5	208.1	203.8	182.4
23408.6	65°	15457.7	4981.7	293.9	208.1	178.1	167.3	180.2	178.1	163.1	133.0
23698.3	67.5°	14693.9	3265.3	223.1	163.1	137.3	130.9	143.7	150.2	139.5	111.6
22642.7	70°	13123.5	1900.8	184.5	126.6	103.0	96.5	115.9	128.7	115.9	90.1
19353.8	72.5°	10900.9	1025.5	150.2	94.4	70.8	64.4	92.3	105.1	92.3	66.5
12417.7	75°	7073.4	549.2	115.9	62.2	36.5	40.8	68.7	77.2	64.4	42.9
3645.1	77.5°	2375.0	242.4	72.9	30.0	17.2	17.2	40.8	47.2	30.0	15.0
662.9	80°	529.9	100.8	30.0	12.9	6.4	6.4	8.6	8.6	4.3	0.0
203.8	82.5°	173.8	40.8	12.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0
51.5	85°	66.5	15.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.2	87.5°	25.7	2.1	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>
5299.2
5228.4
4597.6
3657.9
2456.5
1478.2
1096.3
1027.7
980.5
916.1
832.4
750.9
667.2
568.5
476.3
405.5
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347.6
332.5
319.7
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272.5
253.2
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