

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: P942336

Luminaire Tested: **GALN-SB6B-750-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942336  
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-SB6B-750-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

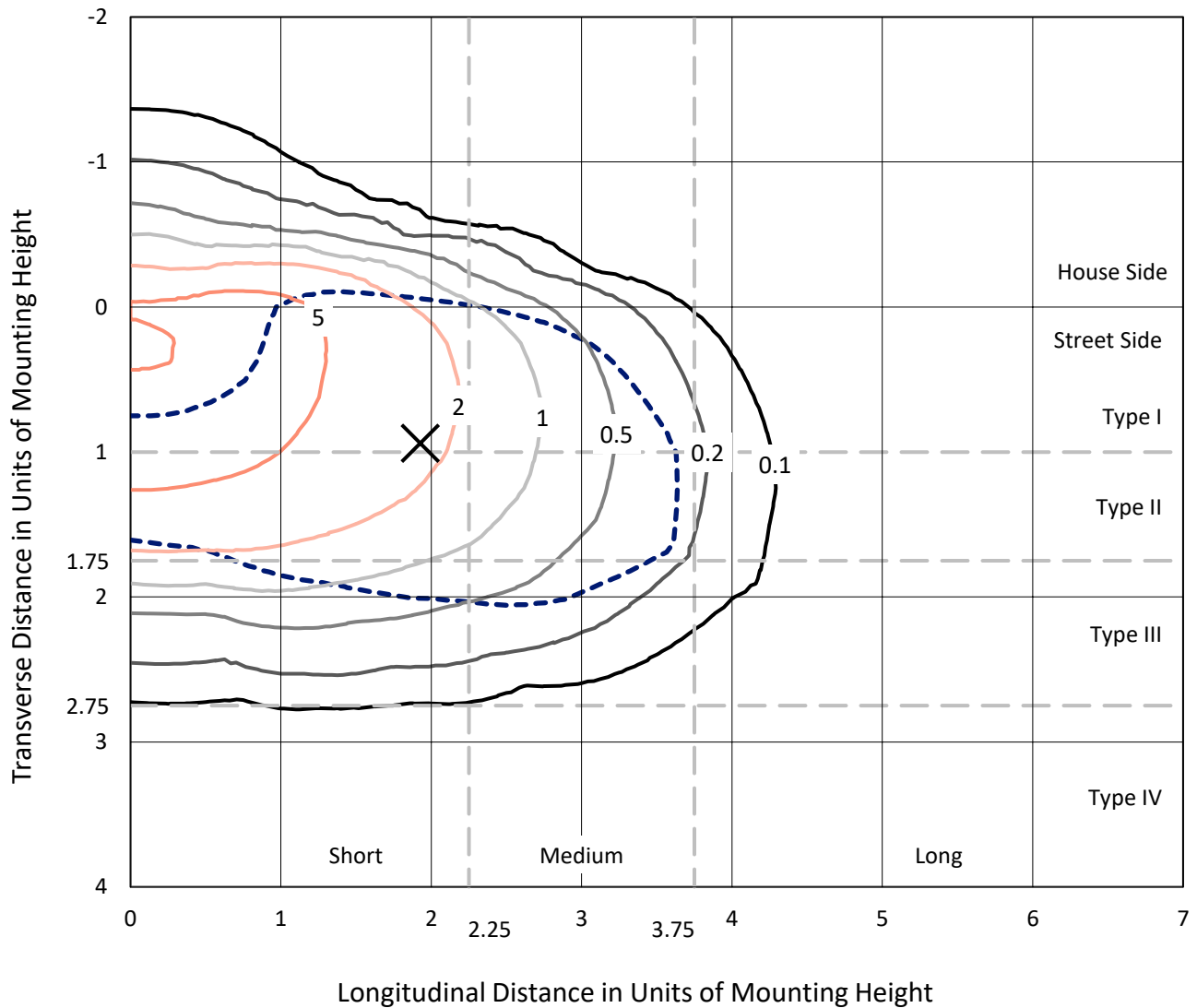
Lumens per Lamp: N/A  
Luminaire Lumens: 28333 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

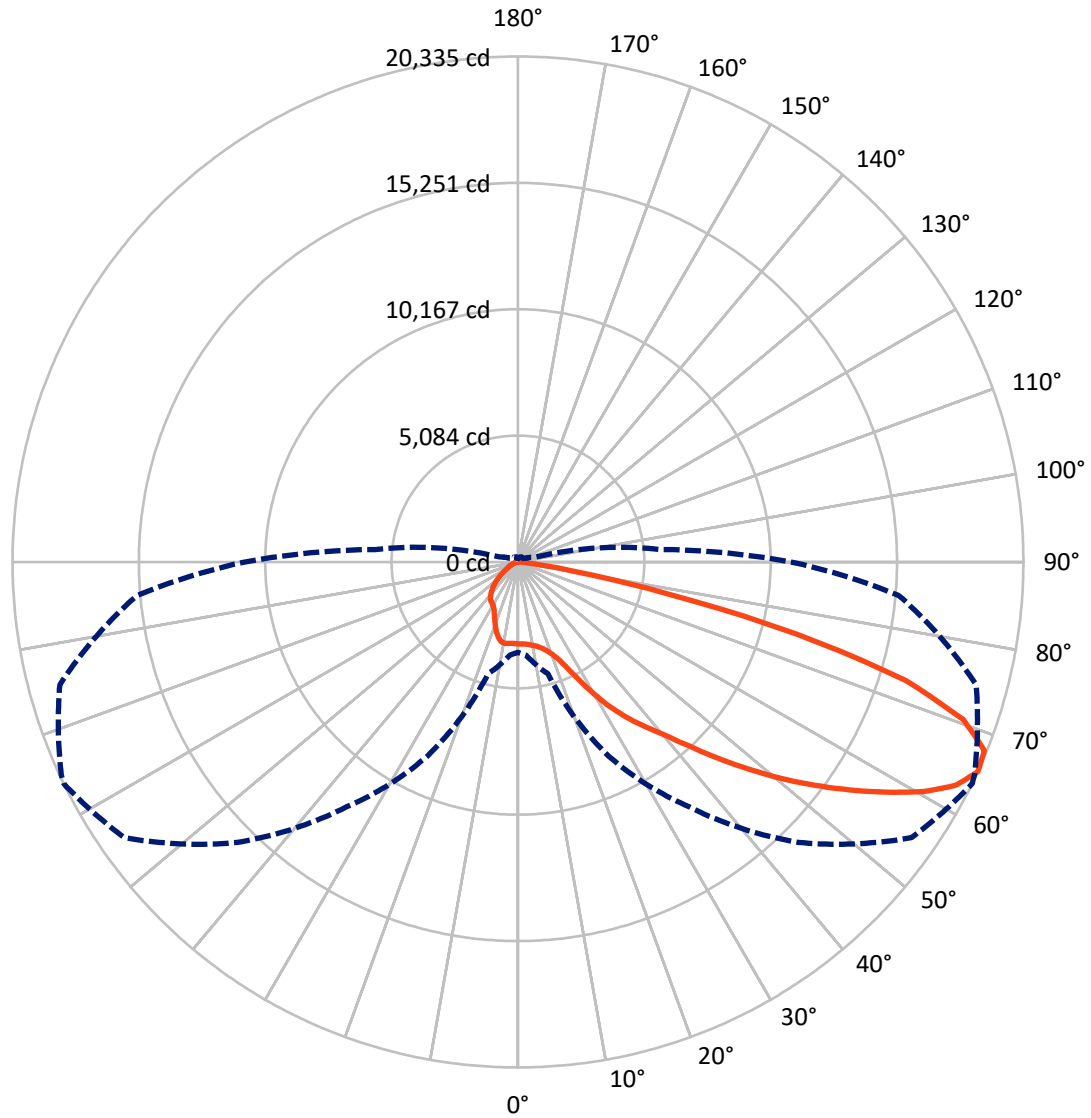
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	3789.0	0.0	3789.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	24544.0	0.0	24544.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	28333.0	0.0	28333.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.0	1.1
10°-20°	824.6	2.9
20°-30°	1562.6	5.5
30°-40°	3162.0	11.2
40°-50°	5386.5	19.0
50°-60°	7325.2	25.9
60°-70°	6878.7	24.3
70°-80°	2755.9	9.7
80°-90°	133.5	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°	28333.0	100.0
0°-180°	28333.0	100.0

**Coefficient of Utilization**



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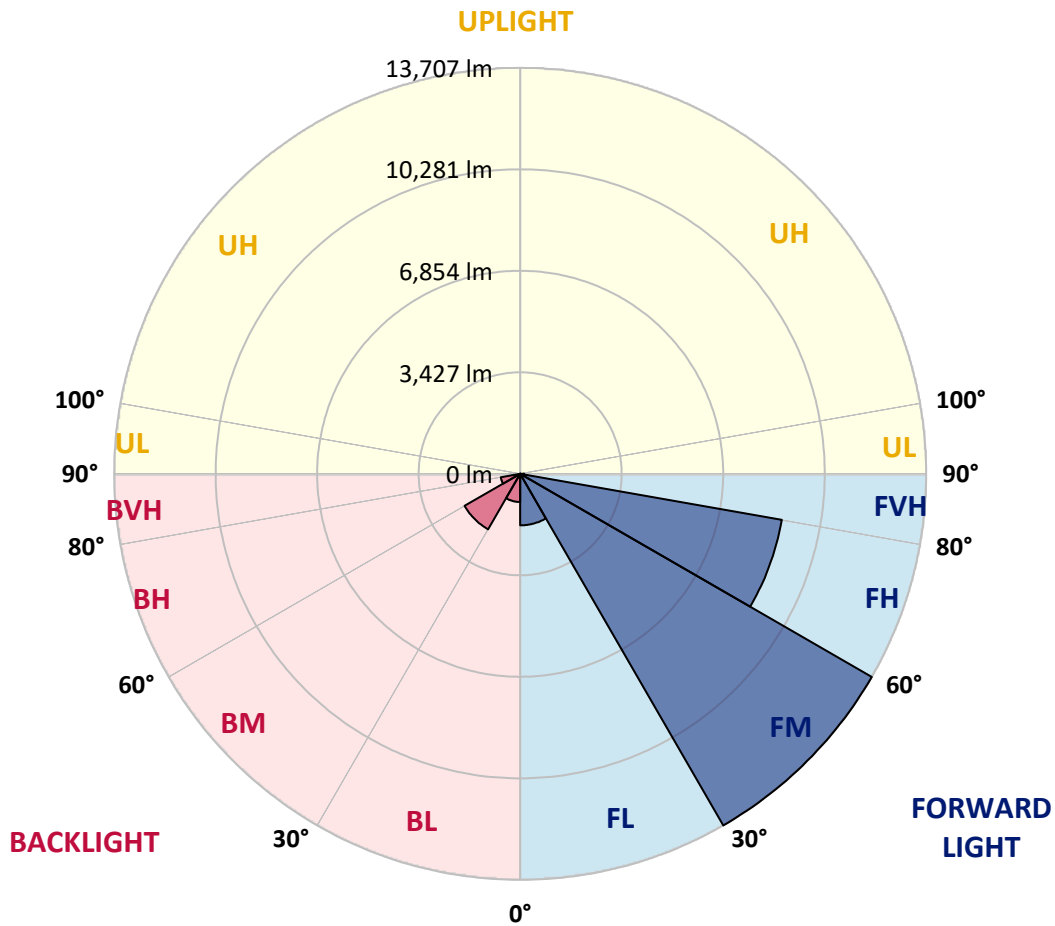
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1740.0	6.1			
FM (30°-60°)	13707.5	48.4			
FH (60°-80°)	8969.6	31.7			G4/12000
FVH (80°-90°)	127.0	0.4			G2/225
BL (0°-30°)	951.3	3.4	B2/1000		
BM (30°-60°)	2166.1	7.6	B2/2500		
BH (60°-80°)	665.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.5	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°	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4
2.5°	3284.0	3306.8	3301.1	3295.4	3293.5	3297.3	3299.2	3297.3	3297.3	3297.3
5°	3221.3	3240.3	3240.3	3253.6	3272.6	3295.4	3312.5	3316.3	3320.1	3325.8
7.5°	3101.7	3116.9	3128.3	3172.0	3219.4	3280.2	3331.5	3358.1	3361.9	3382.8
10°	3020.0	3039.0	3058.0	3103.6	3172.0	3263.1	3350.5	3415.1	3424.6	3474.0
12.5°	3016.2	3035.2	3059.9	3109.3	3189.1	3285.9	3392.3	3485.4	3502.5	3574.6
15°	3056.1	3078.9	3101.7	3162.5	3247.9	3365.7	3479.7	3595.5	3612.6	3715.2
17.5°	3137.8	3168.2	3185.3	3246.0	3337.2	3468.3	3618.3	3751.3	3766.5	3886.1
20°	3299.2	3335.3	3341.0	3390.4	3479.7	3620.2	3798.8	3964.0	3983.0	4119.8
22.5°	3633.5	3684.8	3639.2	3663.9	3743.7	3884.2	4078.0	4286.9	4313.5	4469.2
25°	4222.3	4294.5	4176.7	4134.9	4169.1	4315.4	4558.5	4822.5	4852.9	4978.3
27.5°	5379.0	5286.0	5107.4	4932.7	4830.1	4913.7	5187.2	5513.9	5551.9	5673.4
30°	6649.7	6568.1	6326.8	5939.4	5696.2	5682.9	5935.6	6300.2	6343.9	6459.8
32.5°	7922.3	7844.4	7582.3	7105.6	6683.9	6475.0	6649.7	7054.3	7077.1	7151.2
35°	9174.0	9094.2	8832.1	8344.0	7825.4	7350.6	7316.4	7772.3	7779.9	7857.7
37.5°	10433.3	10366.8	10087.6	9609.0	9098.0	8442.7	8125.5	8452.2	8461.7	8537.7
40°	11331.7	11360.2	11168.3	10798.0	10359.2	9643.1	9033.4	9175.9	9118.9	9246.2
42.5°	12102.8	12159.8	11992.7	11806.5	11552.0	10921.4	10157.9	10133.2	10042.0	10110.4
45°	12769.5	12817.0	12667.0	12623.3	12617.6	12175.0	11386.8	11238.6	11111.4	11098.1
47.5°	13014.5	13105.7	13170.3	13316.5	13601.5	13415.3	12657.5	12427.6	12285.2	12180.7
50°	13107.6	13204.5	13424.8	13850.3	14524.5	14604.3	13922.4	13664.1	13489.4	13299.4
52.5°	12982.3	13155.1	13451.4	14167.5	15145.6	15557.8	15136.1	14910.1	14710.7	14401.1
55°	12243.4	12416.2	13022.1	14163.7	15455.2	16226.4	16283.4	16182.7	15958.6	15470.4
57.5°	10685.9	10942.3	11901.5	13681.2	15449.5	16801.9	17407.8	17480.0	17229.3	16530.3
60°	8528.2	8875.8	10045.8	12611.9	14972.8	17113.4	18393.6	18754.5	18488.6	17575.0
62.5°	5950.8	6353.4	7460.8	10936.6	13882.6	16889.3	19113.4	19780.1	19578.8	18509.4
65°	3629.7	3758.9	4651.6	8606.1	12028.8	15951.0	19335.7	20334.7	20268.3	19081.2
67.5°	2417.9	2526.2	2782.6	5901.4	9337.3	14076.3	18803.8	20237.9	20256.9	18988.1
70°	1456.8	1549.9	1717.0	3432.2	6051.4	11141.8	17157.1	19003.3	19113.4	17744.0
72.5°	600.2	662.9	814.8	1555.6	3134.0	7071.4	13662.2	16315.7	16572.1	14919.6
75°	340.0	372.3	478.6	780.6	1360.0	3295.4	8275.6	11582.4	11960.4	10283.2
77.5°	226.0	241.2	309.6	505.2	765.4	1124.4	3536.6	6034.3	6756.1	5616.5
80°	152.0	165.2	212.7	338.1	497.6	482.4	1126.3	2235.6	2750.3	1929.8
82.5°	102.6	104.5	152.0	222.2	315.3	233.6	332.4	695.2	873.7	558.4
85°	58.9	57.0	112.1	129.2	140.6	96.9	100.7	208.9	273.5	235.5
87.5°	7.6	11.4	43.7	34.2	19.0	20.9	20.9	36.1	53.2	57.0
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°
3295.4	0°	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4	3295.4
3299.2	2.5°	3299.2	3297.3	3291.6	3285.9	3272.6	3265.0	3268.8	3265.0	3263.1	3265.0
3323.9	5°	3323.9	3318.2	3303.0	3284.0	3257.4	3225.1	3204.3	3173.9	3145.4	3128.3
3390.4	7.5°	3390.4	3384.7	3363.8	3310.6	3225.1	3090.3	2966.8	2858.6	2776.9	2729.4
3496.8	10°	3496.8	3487.3	3455.0	3337.2	3113.1	2818.7	2573.7	2370.4	2237.5	2174.8
3622.1	12.5°	3622.1	3610.7	3553.7	3312.5	2900.4	2440.7	2102.6	1876.6	1753.1	1698.0
3766.5	15°	3770.3	3755.1	3643.0	3194.8	2590.8	2022.8	1713.2	1544.2	1464.4	1415.0
3950.7	17.5°	3954.5	3927.9	3709.5	3018.1	2254.6	1703.7	1473.9	1346.7	1276.4	1228.9
4191.9	20°	4193.8	4150.1	3762.7	2807.3	1945.0	1502.4	1312.5	1206.1	1152.9	1111.1
4533.8	22.5°	4528.1	4465.4	3827.2	2579.4	1726.5	1363.8	1192.8	1114.9	1071.2	1023.8
5010.6	25°	4942.2	4868.1	3907.0	2368.5	1576.5	1244.1	1105.4	1040.9	989.6	934.5
5635.5	27.5°	5521.5	5388.5	4002.0	2195.7	1447.3	1141.5	1025.7	953.5	894.6	849.0
6343.9	30°	6167.3	5948.9	4085.6	2091.2	1329.6	1046.6	921.2	849.0	793.9	761.7
6980.2	32.5°	6778.9	6482.6	4140.6	2045.6	1223.2	938.3	807.2	729.4	687.6	678.1
7603.2	35°	7356.3	6965.0	4134.9	2001.9	1128.2	830.0	695.2	615.4	583.1	588.8
8273.7	37.5°	8021.1	7479.8	4095.1	1933.6	1050.4	731.3	598.3	528.0	499.5	501.4
9088.5	40°	8794.1	8074.3	4070.4	1804.4	964.9	640.1	518.5	461.5	440.7	433.1
9947.0	42.5°	9618.5	8649.8	4074.2	1658.2	858.5	558.4	463.4	416.0	397.0	391.3
10902.4	45°	10446.6	9198.7	4079.9	1506.2	746.5	495.7	423.6	383.7	372.3	364.7
11871.1	47.5°	11225.3	9665.9	3973.5	1342.9	636.3	448.3	391.3	364.7	355.2	345.7
12843.6	50°	11950.9	9977.4	3717.1	1152.9	548.9	410.3	366.6	347.6	338.1	328.6
13724.9	52.5°	12515.0	10026.8	3293.5	957.3	488.1	381.8	351.4	334.3	322.9	313.4
14437.2	55°	12765.7	9717.2	2691.4	774.9	440.7	357.1	336.2	319.1	305.8	296.3
14997.5	57.5°	12701.1	9065.7	2098.8	623.0	395.1	332.4	317.2	305.8	290.6	275.4
15451.4	60°	12383.9	8193.9	1582.2	518.5	353.3	305.8	296.3	286.8	265.9	243.1
15626.2	62.5°	11835.0	7098.0	1128.2	429.3	307.7	275.4	271.6	264.0	233.6	191.8
15367.9	65°	10995.5	5766.5	759.8	357.1	264.0	241.2	243.1	229.8	189.9	142.5
14422.0	67.5°	9768.5	4216.6	486.2	292.5	220.3	201.3	203.2	195.6	161.4	121.6
12629.0	70°	8205.3	2792.1	317.2	222.2	176.6	155.7	167.1	169.0	136.8	98.8
9692.5	72.5°	6015.3	1648.7	222.2	165.2	129.2	108.3	136.8	140.6	110.2	74.1
5831.1	75°	3428.4	782.5	167.1	119.7	79.8	76.0	106.4	106.4	76.0	49.4
2524.3	77.5°	1439.7	326.7	117.8	77.9	45.6	43.7	72.2	66.5	38.0	22.8
615.4	80°	416.0	146.3	62.7	38.0	19.0	17.1	28.5	20.9	9.5	3.8
233.6	82.5°	163.3	64.6	24.7	15.2	7.6	7.6	3.8	0.0	0.0	0.0
133.0	85°	96.9	26.6	11.4	5.7	1.9	0.0	0.0	0.0	0.0	0.0
28.5	87.5°	24.7	5.7	3.8	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>
3295.4
3272.6
3132.1
2731.3
2169.1
1692.3
1416.9
1225.1
1103.5
1016.2
928.8
839.5
756.0
683.8
588.8
509.0
431.2
389.4
364.7
345.7
328.6
311.5
294.4
273.5
239.3
188.0
138.7
115.9
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