

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: P952405

Luminaire Tested: **GALN-SB6B-735-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-735-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26097 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

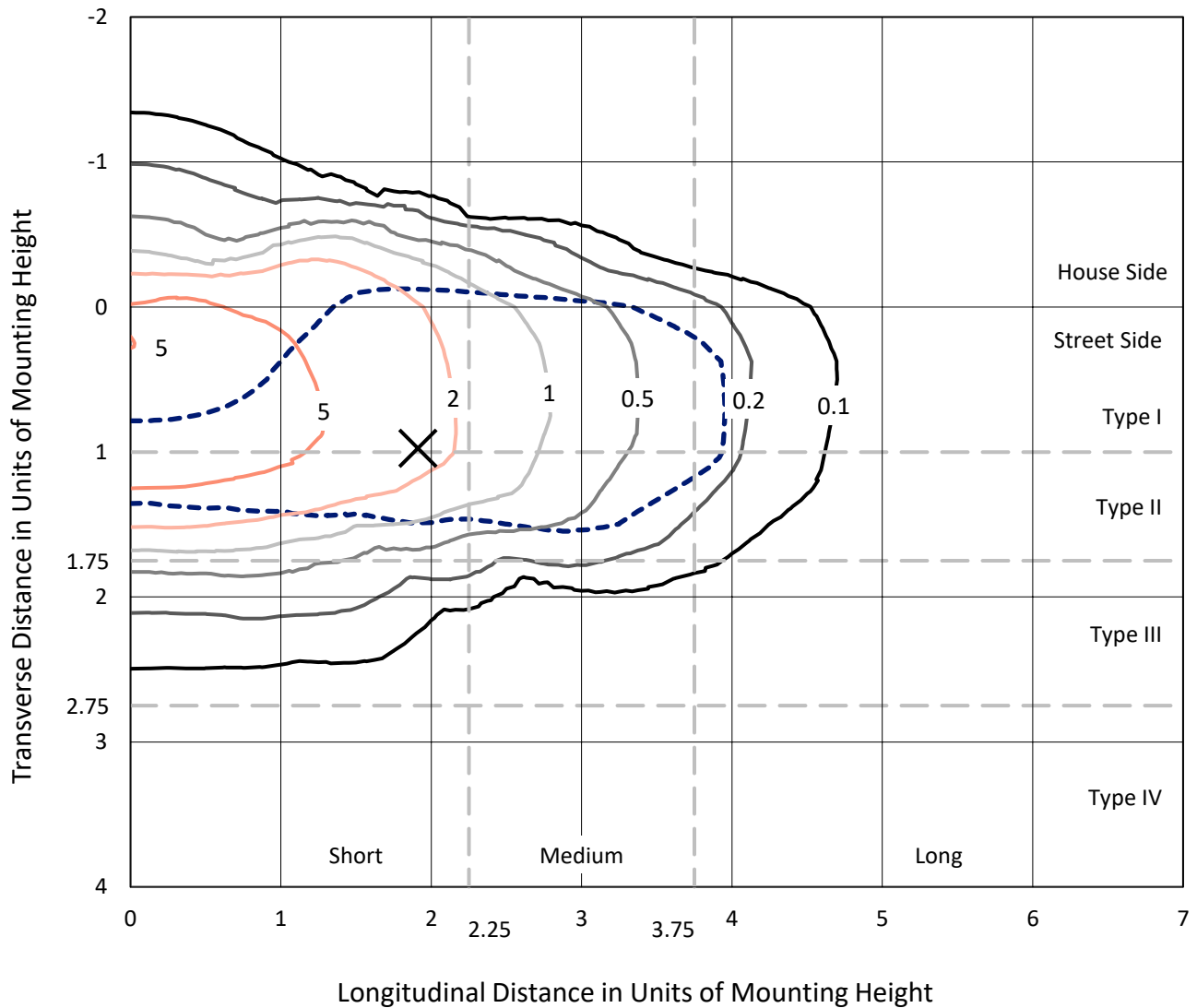
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

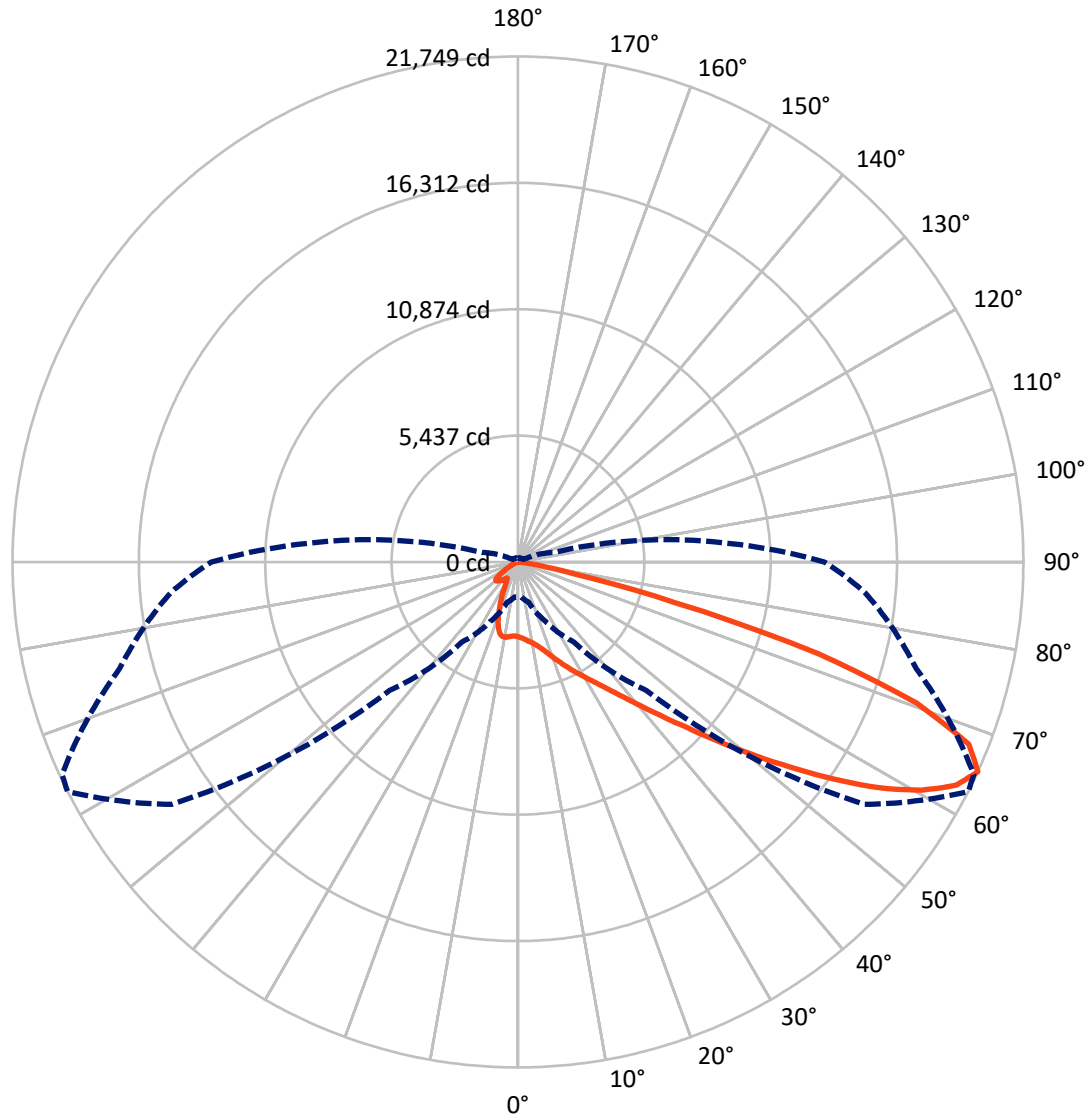
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

REPORT NUMBER: P952405
CATALOG NUMBER: GALN-SB6B-735-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3836.1	0.0	3836.1
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	22260.9	0.0	22260.9
	% Fixture	85.3	0.0	85.3
Total	Lumens	26097.0	0.0	26097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.5	1.2
10°-20°	842.0	3.2
20°-30°	1466.1	5.6
30°-40°	2642.6	10.1
40°-50°	5241.1	20.1
50°-60°	7139.2	27.4
60°-70°	5698.5	21.8
70°-80°	2578.7	9.9
80°-90°	185.4	0.7
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°	26097.0	100.0
0°-180°	26097.0	100.0

Coefficient of Utilization



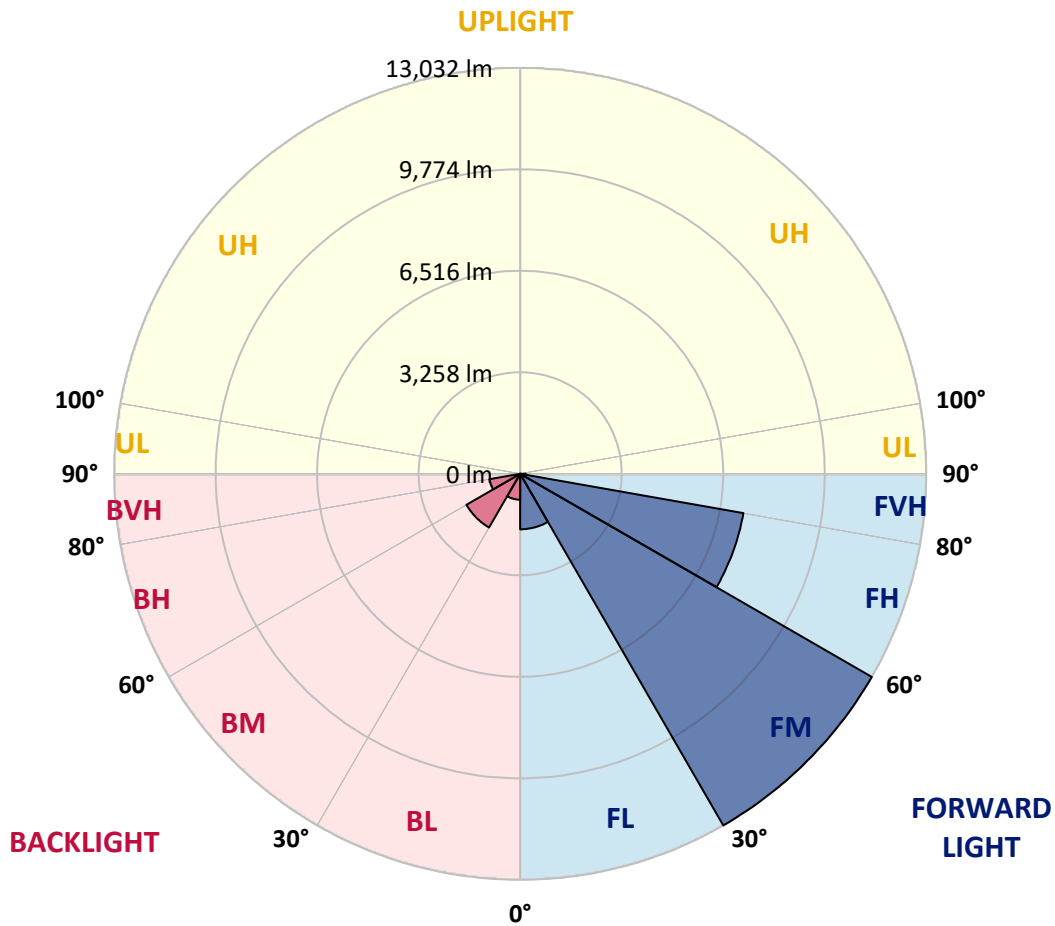
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1781.4	6.8			
FM (30°-60°)	13032.2	49.9			
FH (60°-80°)	7275.7	27.9			G3/7500
FVH (80°-90°)	171.6	0.7			G2/225
BL (0°-30°)	830.2	3.2	B2/1000		
BM (30°-60°)	1990.7	7.6	B2/2500		
BH (60°-80°)	1001.4	3.8	B3/2500		G3/2500
BVH (80°-90°)	13.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



REPORT NUMBER: P952405

CATALOG NUMBER: GALN-SB6B-735-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9
2.5°	3296.3	3287.3	3299.9	3294.5	3290.9	3283.7	3280.1	3276.5	3269.3	3264.0
5°	3305.2	3299.9	3312.4	3323.2	3334.0	3344.7	3350.1	3357.3	3350.1	3335.8
7.5°	3229.8	3226.2	3253.2	3285.5	3334.0	3375.3	3420.1	3445.3	3447.1	3441.7
10°	3224.5	3215.5	3242.4	3281.9	3344.7	3418.4	3497.3	3551.2	3558.4	3581.7
12.5°	3308.8	3299.9	3337.6	3380.6	3445.3	3522.5	3619.4	3694.8	3705.6	3737.9
15°	3450.7	3438.1	3481.2	3536.8	3619.4	3707.4	3809.7	3878.0	3886.9	3926.4
17.5°	3615.8	3603.3	3653.5	3712.8	3802.6	3922.8	4041.3	4116.7	4127.5	4152.7
20°	3827.7	3811.5	3851.0	3904.9	4000.0	4143.7	4285.5	4393.2	4391.4	4391.4
22.5°	4073.7	4048.5	4082.6	4125.7	4215.5	4389.6	4578.1	4705.6	4705.6	4655.3
25°	4337.6	4312.4	4350.1	4389.6	4468.6	4666.1	4887.0	5044.9	5052.1	4965.9
27.5°	4667.9	4635.6	4664.3	4711.0	4757.7	4958.8	5220.9	5404.0	5407.6	5274.7
30°	5303.5	5211.9	5122.1	5071.9	5093.4	5292.7	5572.8	5775.6	5793.6	5610.5
32.5°	6466.9	6448.9	6132.9	5720.0	5504.6	5651.8	5966.0	6210.1	6220.9	5985.7
35°	8274.8	8253.2	7745.2	6958.8	6256.8	6132.9	6443.5	6732.6	6725.4	6459.7
37.5°	10432.8	10413.0	9743.4	8691.3	7554.8	6860.0	7059.3	7362.7	7407.6	7059.3
40°	12276.6	12203.0	11779.3	10764.9	9278.4	8066.5	7935.5	8136.5	8183.2	7770.3
42.5°	13673.4	13610.6	13395.1	12761.4	11364.6	9851.1	8967.8	9045.0	9097.1	8601.5
45°	14396.9	14382.6	14468.7	14409.5	13490.3	12041.4	10443.6	10122.2	10141.9	9522.6
47.5°	14499.3	14492.1	14885.3	15441.8	15317.9	14511.8	12337.7	11465.1	11395.1	10562.1
50°	13896.0	13881.7	14635.7	15678.8	16538.8	16587.3	14488.5	12978.6	12824.2	11637.5
52.5°	11969.6	11966.0	13204.8	14940.9	16967.9	18404.2	16614.2	14641.1	14382.6	12775.7
55°	9210.2	9276.6	10696.7	12748.8	16185.1	19278.5	18522.7	16486.7	16090.0	13921.2
57.5°	6524.3	6621.3	8025.2	9852.9	13757.8	18761.4	19813.5	18335.9	17908.6	15063.0
60°	3504.5	3590.7	4996.5	7177.8	10235.3	16833.2	20494.0	19941.0	19537.0	16147.4
62.5°	2088.0	2116.7	2698.4	4633.8	6922.9	12860.1	20204.9	21163.6	20831.5	17057.6
65°	1499.1	1504.5	1797.1	2829.5	4202.9	7813.4	18177.9	21748.9	21646.6	17743.5
67.5°	1262.1	1258.5	1380.6	1879.7	2863.6	3913.9	13931.9	20921.2	21355.7	18177.9
70°	1082.6	1088.0	1231.6	1377.0	2152.6	2215.5	6926.5	18215.6	19142.1	18292.8
72.5°	806.1	824.1	956.9	1255.0	1624.8	1524.3	2391.4	13506.4	15181.5	17235.4
75°	569.1	578.1	673.3	1055.7	1211.9	1109.5	1220.8	6982.1	9129.4	13213.8
77.5°	438.1	454.2	509.9	737.9	1193.9	779.2	746.9	2416.5	3712.8	7982.1
80°	237.0	265.7	368.0	533.2	838.4	551.2	369.8	962.3	1258.5	3732.5
82.5°	122.1	136.4	256.7	384.2	477.6	481.2	183.1	400.4	518.9	1152.6
85°	48.5	59.2	172.4	211.9	246.0	237.0	82.6	161.6	186.7	319.6
87.5°	10.8	18.0	62.8	48.5	46.7	50.3	19.7	37.7	35.9	37.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952405
 CATALOG NUMBER: GALN-SB6B-735-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3220.9	0°	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9	3220.9
3242.4	2.5°	3240.6	3233.4	3213.7	3192.1	3167.0	3152.6	3143.7	3141.9	3129.3	3120.3
3314.2	5°	3294.5	3287.3	3249.6	3204.7	3156.2	3118.5	3082.6	3050.3	3003.6	2994.6
3418.4	7.5°	3402.2	3382.4	3321.4	3260.4	3168.8	3059.3	2926.4	2773.8	2637.4	2596.1
3556.6	10°	3535.0	3508.1	3430.9	3323.2	3120.3	2822.3	2500.9	2202.9	1965.9	1899.5
3720.0	12.5°	3685.9	3662.5	3560.2	3360.9	2917.4	2377.0	1885.1	1515.3	1285.5	1228.0
3894.1	15°	3865.4	3831.3	3689.4	3303.4	2554.8	1806.1	1294.4	1075.4	992.8	982.1
4093.4	17.5°	4055.7	4000.0	3804.4	3097.0	2066.5	1283.7	1000.0	937.2	901.3	890.5
4294.5	20°	4229.9	4158.0	3872.6	2784.6	1544.0	1000.0	895.9	854.6	822.3	809.7
4495.6	22.5°	4404.0	4301.7	3872.6	2359.1	1158.0	886.9	822.3	784.6	746.9	730.7
4711.0	25°	4585.3	4448.9	3804.4	1885.1	931.8	813.3	752.3	711.0	678.6	658.9
4915.7	27.5°	4761.3	4572.8	3648.2	1436.3	829.5	748.7	687.6	648.1	617.6	603.2
5138.3	30°	4928.2	4694.8	3429.1	1089.8	763.0	685.8	628.4	594.3	563.7	549.4
5427.4	32.5°	5154.5	4849.2	3195.7	894.1	705.6	626.6	574.5	542.2	515.3	504.5
5802.6	35°	5468.6	5077.3	2994.6	877.9	657.1	578.1	526.0	495.5	468.6	459.6
6287.3	37.5°	5913.9	5445.3	2888.7	985.6	617.6	535.0	486.5	454.2	429.1	421.9
6903.1	40°	6463.3	5944.4	2946.2	1093.4	590.7	497.3	450.6	418.3	396.8	387.8
7610.5	42.5°	7115.0	6560.2	3264.0	1176.0	572.7	465.0	416.5	380.6	366.3	362.7
8413.0	45°	7863.6	7237.1	3750.5	1263.9	544.0	434.5	382.4	355.5	344.7	342.9
9285.6	47.5°	8714.6	7980.3	4314.2	1373.4	515.3	405.7	355.5	337.5	328.5	325.0
10195.8	50°	9558.5	8729.0	4894.1	1434.5	491.9	378.8	333.9	319.6	312.4	310.6
11158.1	52.5°	10441.8	9499.2	5362.7	1377.0	472.2	357.3	316.0	305.2	298.0	296.2
12045.0	55°	11283.8	10122.2	5443.5	1168.8	432.7	335.7	296.2	290.8	281.9	281.9
12944.5	57.5°	12009.1	10434.6	4872.6	858.2	393.2	303.4	276.5	271.1	263.9	262.1
13756.0	60°	12675.2	10344.8	3761.3	578.1	350.1	271.1	251.3	247.8	240.6	231.6
14461.6	62.5°	13050.4	9949.8	2572.7	377.0	307.0	237.0	222.6	220.8	204.7	186.7
14984.0	65°	13192.3	9138.3	1605.0	274.7	256.7	202.9	192.1	188.5	165.2	145.4
15280.2	67.5°	13068.4	7802.6	809.7	217.2	202.9	168.8	158.0	158.0	141.8	123.9
15262.3	70°	12572.9	5849.3	341.1	174.1	156.2	129.3	129.3	136.4	120.3	100.5
14470.5	72.5°	11497.4	3935.4	181.3	132.9	116.7	91.6	105.9	111.3	95.2	75.4
11843.9	75°	9140.1	2400.4	125.7	98.7	73.6	64.6	80.8	84.4	64.6	50.3
8120.4	77.5°	6251.4	1378.8	84.4	62.8	46.7	37.7	55.7	52.1	34.1	23.3
3131.1	80°	2745.1	574.5	48.5	28.7	18.0	14.4	19.7	14.4	10.8	7.2
429.1	82.5°	321.4	134.7	18.0	10.8	7.2	3.6	1.8	0.0	0.0	0.0
131.1	85°	66.4	16.2	9.0	3.6	1.8	0.0	0.0	0.0	0.0	0.0
23.3	87.5°	12.6	3.6	1.8	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>
3220.9
3129.3
2991.1
2576.3
1874.3
1211.9
971.3
885.1
802.5
721.7
651.7
603.2
551.2
504.5
459.6
420.1
386.0
362.7
341.1
325.0
310.6
296.2
280.1
260.3
229.8
183.1
143.6
122.1
98.7
75.4
48.5
25.1
7.2
0.0
0.0
0.0
0.0

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