

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: P953012

Luminaire Tested: **GALN-SB6C-940-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-940-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27863 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

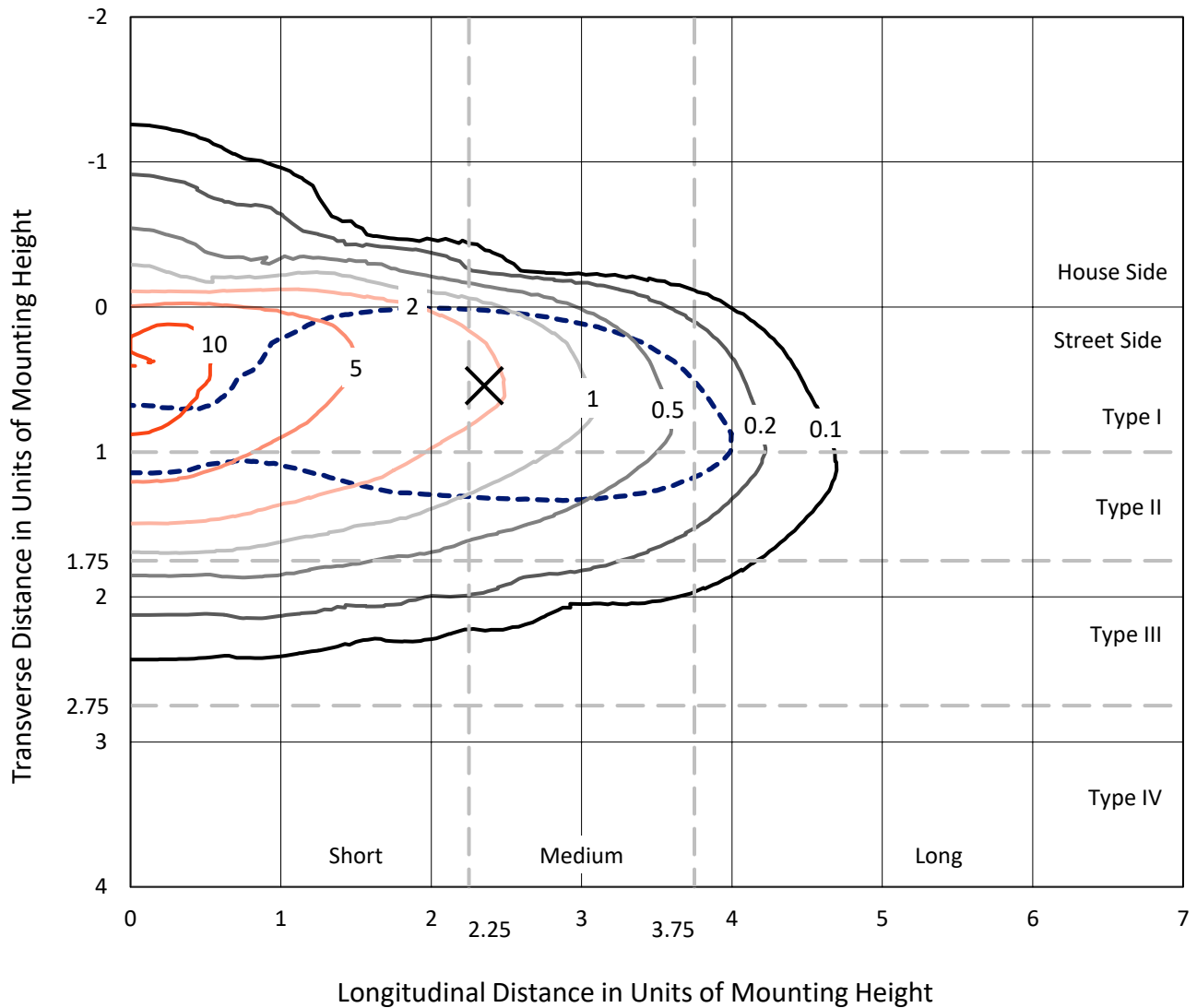
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

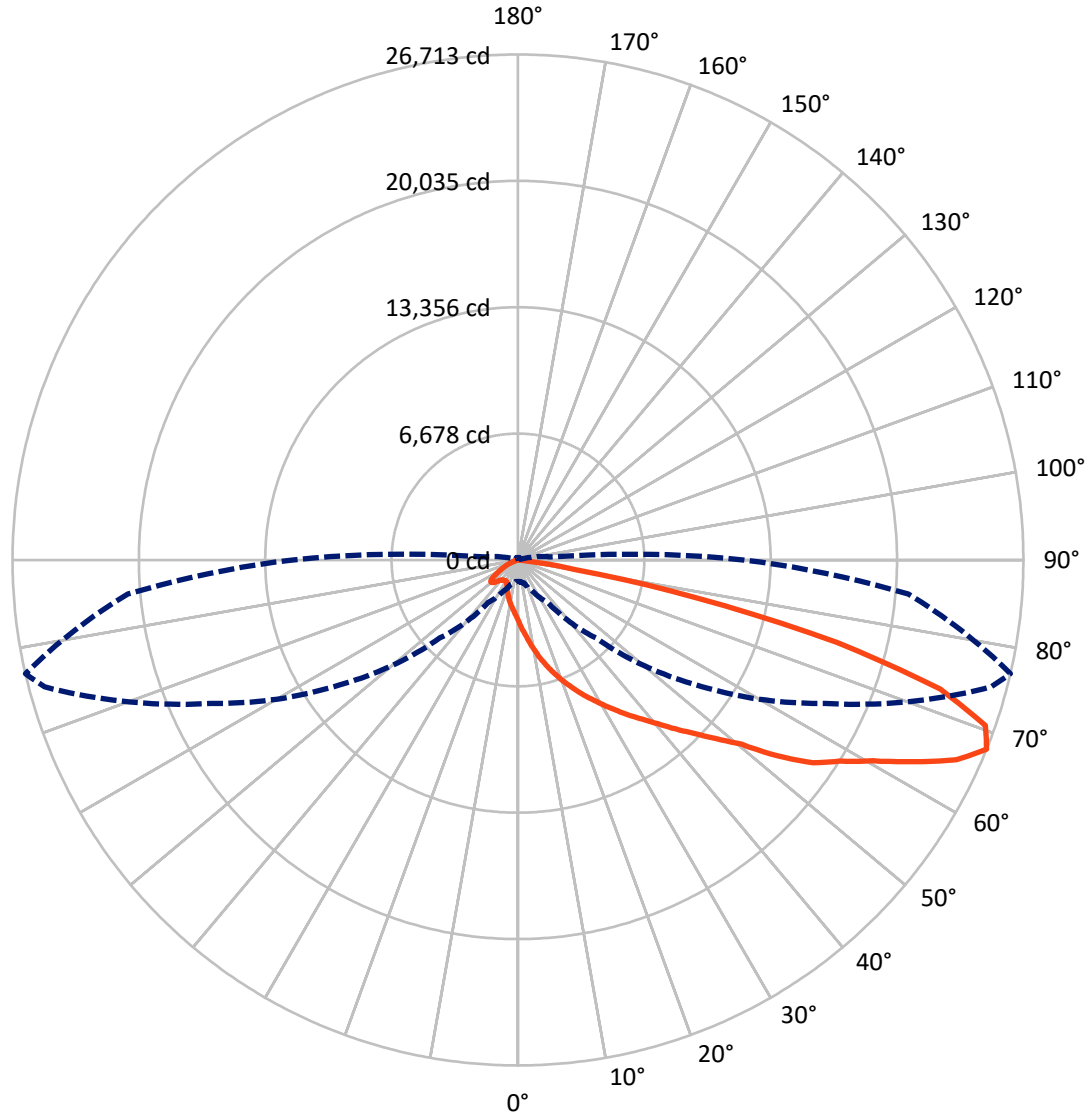
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2049.9	0.0	2049.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	25813.1	0.0	25813.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	27863.0	0.0	27863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.9	1.2
10°-20°	1148.4	4.1
20°-30°	2216.1	8.0
30°-40°	3847.3	13.8
40°-50°	5586.1	20.0
50°-60°	6414.9	23.0
60°-70°	5569.3	20.0
70°-80°	2623.2	9.4
80°-90°	129.7	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°	27863.0	100.0
0°-180°	27863.0	100.0

Coefficient of Utilization



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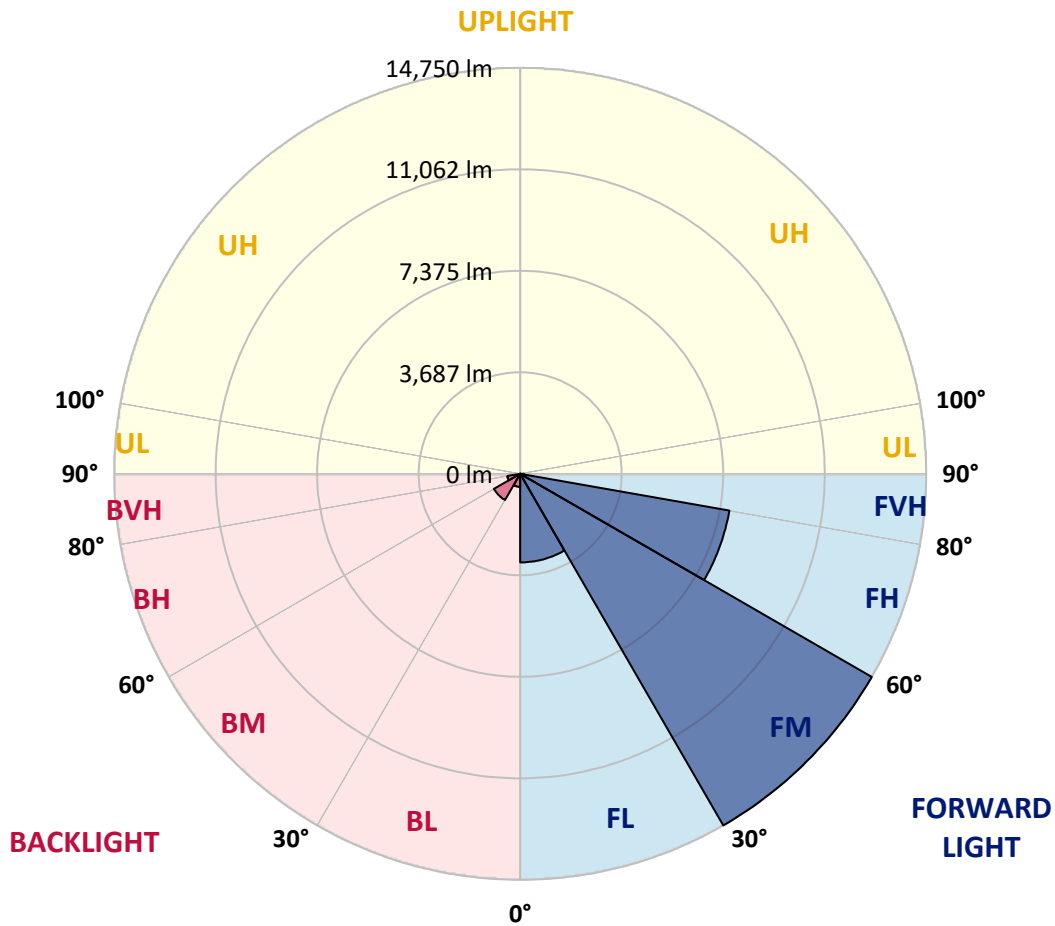
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3217.9	11.5			
FM (30°-60°)	14749.9	52.9			
FH (60°-80°)	7718.0	27.7			G4/12000
FVH (80°-90°)	127.3	0.5			G2/225
BL (0°-30°)	474.6	1.7	B1/500		
BM (30°-60°)	1098.4	3.9	B2/2500		
BH (60°-80°)	474.6	1.7	B1/500		G1/500
BVH (80°-90°)	2.4	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0
2.5°	4448.4	4476.1	4436.3	4360.1	4246.0	4171.6	3989.9	3818.6	3628.3	3567.7
5°	5422.5	5446.7	5401.7	5318.7	5166.4	5021.1	4782.3	4424.2	4052.2	3932.8
7.5°	6144.0	6157.8	6140.5	6064.4	5919.1	5754.7	5488.2	5064.3	4512.4	4380.9
10°	6663.1	6708.1	6702.9	6673.4	6576.6	6443.3	6159.6	5676.8	5028.0	4858.5
12.5°	7007.4	7057.6	7087.0	7152.7	7147.5	7062.7	6813.6	6303.2	5541.9	5342.9
15°	7107.7	7161.4	7273.8	7426.1	7561.0	7604.3	7429.6	6917.4	6107.7	5853.3
17.5°	7050.6	7133.7	7268.6	7509.1	7805.0	8000.5	7981.5	7510.9	6621.5	6330.9
20°	7176.9	7256.5	7362.1	7564.5	7908.8	8263.5	8405.4	8078.4	7132.0	6827.4
22.5°	7875.9	7862.1	7872.5	7905.4	8111.3	8462.5	8754.9	8594.0	7637.2	7325.7
25°	8983.3	8921.0	8815.5	8637.2	8585.3	8754.9	9059.4	9050.8	8170.1	7836.2
27.5°	10253.3	10242.9	9995.5	9566.4	9324.1	9258.4	9403.7	9495.4	8697.8	8341.4
30°	11469.6	11497.3	11163.4	10685.8	10241.2	9983.4	9851.9	9917.6	9234.2	8886.4
32.5°	12528.5	12557.9	12194.6	11635.7	11085.5	10774.1	10497.2	10334.6	9819.0	9440.1
35°	13423.0	13452.4	13035.5	12417.8	11831.2	11549.2	11236.0	10791.4	10407.3	10054.3
37.5°	14222.4	14213.7	13654.9	13032.0	12455.8	12232.6	12068.3	11353.7	11012.8	10672.0
40°	14694.7	14731.1	14253.5	13566.6	13007.8	12845.1	12834.8	12051.0	11711.8	11381.4
42.5°	14833.2	14897.2	14551.1	13987.1	13480.1	13303.6	13575.3	12805.3	12525.0	12203.2
45°	14584.0	14646.3	14488.8	14097.8	13801.9	13687.7	14212.0	13587.4	13393.6	13075.3
47.5°	13857.3	13935.2	13973.2	13890.2	13886.7	14002.6	14783.0	14411.0	14424.8	14099.5
50°	12450.6	12582.1	12931.6	13225.8	13680.8	14251.8	15338.4	15303.8	15587.5	15307.2
52.5°	9893.4	10080.2	11284.5	12089.0	13111.6	14205.1	15949.1	16736.4	17627.5	17217.4
55°	7950.3	7950.3	8929.7	10434.9	12000.8	13897.1	16215.6	17667.2	19016.8	18919.9
57.5°	6481.4	6559.3	7183.9	8514.4	10393.4	13163.5	16380.0	18252.1	20136.3	20065.3
60°	4000.3	4168.1	5348.1	6661.3	8564.6	11857.2	16276.2	18843.8	21494.5	21551.6
62.5°	2252.7	2315.0	2841.0	4792.7	6659.6	10101.0	15482.0	19174.3	23231.6	23473.9
65°	1555.5	1586.6	1789.0	2982.9	4616.2	8042.0	13930.0	18968.4	24972.2	25461.9
67.5°	1129.8	1145.4	1271.7	1821.9	2738.9	5830.8	11497.3	17930.2	25894.4	26712.8
70°	868.6	879.0	970.7	1197.3	1617.8	3598.9	8350.0	15866.1	25226.6	26204.1
72.5°	705.9	716.3	787.2	885.9	1072.7	2128.2	5060.9	12884.9	22278.3	23333.7
75°	595.2	609.0	673.1	737.1	840.9	1366.9	2373.9	8972.9	16753.7	17445.8
77.5°	330.5	304.5	546.7	610.8	709.4	865.1	1110.8	5280.6	9383.0	9575.0
80°	205.9	212.8	434.3	491.4	545.0	436.0	508.7	2033.0	3252.8	3090.2
82.5°	12.1	27.7	333.9	354.7	373.7	186.9	192.1	690.4	783.8	719.8
85°	0.0	0.0	152.3	122.8	129.8	53.6	55.4	160.9	105.5	114.2
87.5°	0.0	0.0	0.0	3.5	0.0	5.2	10.4	13.8	5.2	6.9
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°
3213.0	0°	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0
3377.4	2.5°	3256.3	3135.2	2889.5	2649.0	2453.4	2271.8	2142.0	2019.2	1956.9	1953.4
3595.4	5°	3354.9	3100.5	2609.2	2174.9	1825.4	1545.1	1363.4	1233.6	1167.9	1145.4
3863.6	7.5°	3493.3	3110.9	2363.5	1759.6	1347.8	1107.3	1003.5	962.0	948.2	932.6
4166.4	10°	3668.1	3135.2	2143.7	1417.0	1062.4	941.2	899.7	882.4	872.0	861.6
4507.2	12.5°	3863.6	3157.6	1925.7	1176.5	934.3	872.0	842.6	821.9	808.0	795.9
4856.7	15°	4053.9	3171.5	1699.1	1008.7	868.6	818.4	787.2	764.8	745.7	731.9
5199.3	17.5°	4242.5	3190.5	1486.3	908.4	814.9	764.8	733.6	705.9	690.4	674.8
5559.2	20°	4451.8	3187.1	1285.6	837.4	761.3	711.1	678.2	652.3	636.7	619.4
5939.8	22.5°	4645.6	3169.8	1109.1	776.9	705.9	657.5	621.1	595.2	579.6	565.8
6329.1	25°	4868.8	3155.9	962.0	721.5	654.0	605.6	565.8	541.6	524.3	512.1
6720.2	27.5°	5083.4	3135.2	854.7	671.3	603.8	557.1	519.1	491.4	475.8	467.2
7123.3	30°	5294.5	3130.0	814.9	622.9	558.9	512.1	474.1	448.1	436.0	432.6
7566.2	32.5°	5548.8	3143.8	832.2	605.6	517.3	470.6	434.3	415.3	403.1	403.1
8059.4	35°	5820.5	3140.3	858.2	621.1	489.7	429.1	401.4	389.3	377.2	377.2
8606.1	37.5°	6161.3	3145.5	879.0	647.1	479.3	394.5	378.9	363.3	356.4	356.4
9204.8	40°	6670.0	3316.8	868.6	669.6	475.8	370.3	339.1	333.9	328.7	328.7
9881.3	42.5°	7292.9	3688.8	882.4	671.3	474.1	353.0	311.4	321.8	309.7	308.0
10644.3	45°	7974.6	4095.4	970.7	635.0	472.3	344.3	297.6	309.7	290.7	290.7
11528.4	47.5°	8651.1	4498.6	1060.6	583.1	467.2	342.6	285.5	278.6	273.4	275.1
12680.8	50°	9583.7	4827.3	1095.2	512.1	455.0	339.1	263.0	264.7	261.3	264.7
14305.4	52.5°	10599.3	4896.5	1053.7	432.6	420.4	328.7	247.4	254.3	252.6	256.1
15449.1	55°	11232.6	4822.1	870.3	359.9	366.8	287.2	231.8	245.7	245.7	245.7
16566.8	57.5°	11886.6	4505.5	617.7	292.4	304.5	235.3	218.0	237.0	235.3	233.6
17912.9	60°	12357.2	3993.3	406.6	240.5	242.2	193.8	202.4	223.2	221.5	212.8
19300.6	62.5°	12708.4	3427.6	261.3	204.2	185.1	174.8	185.1	202.4	195.5	176.5
20477.1	65°	12668.7	2643.8	200.7	174.8	152.3	152.3	160.9	176.5	155.7	124.6
20702.0	67.5°	11929.8	1789.0	166.1	147.1	128.0	126.3	133.2	147.1	133.2	105.5
19549.7	70°	10609.7	1169.6	133.2	114.2	102.1	93.4	107.3	126.3	112.5	84.8
16643.0	72.5°	8611.3	712.8	100.4	83.1	74.4	60.6	84.8	103.8	90.0	62.3
11573.4	75°	5571.3	363.3	69.2	53.6	39.8	36.3	62.3	77.9	62.3	38.1
5135.3	77.5°	2131.6	152.3	38.1	24.2	20.8	17.3	34.6	46.7	26.0	8.7
994.9	80°	410.1	64.0	19.0	12.1	10.4	6.9	5.2	3.5	0.0	0.0
176.5	82.5°	70.9	20.8	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
34.6	85°	24.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.1	87.5°	8.7	0.0	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>
3213.0
1950.0
1141.9
929.1
858.2
792.4
730.2
673.1
617.7
564.1
510.4
467.2
430.8
403.1
377.2
356.4
328.7
306.2
290.7
275.1
264.7
256.1
245.7
233.6
212.8
173.0
121.1
<i>102.1</i>
81.3
58.8
32.9
6.9
0.0
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0.0

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