

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: P953037

Luminaire Tested: **GALN-SB6C-950-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953037
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-950-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 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: 26302 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

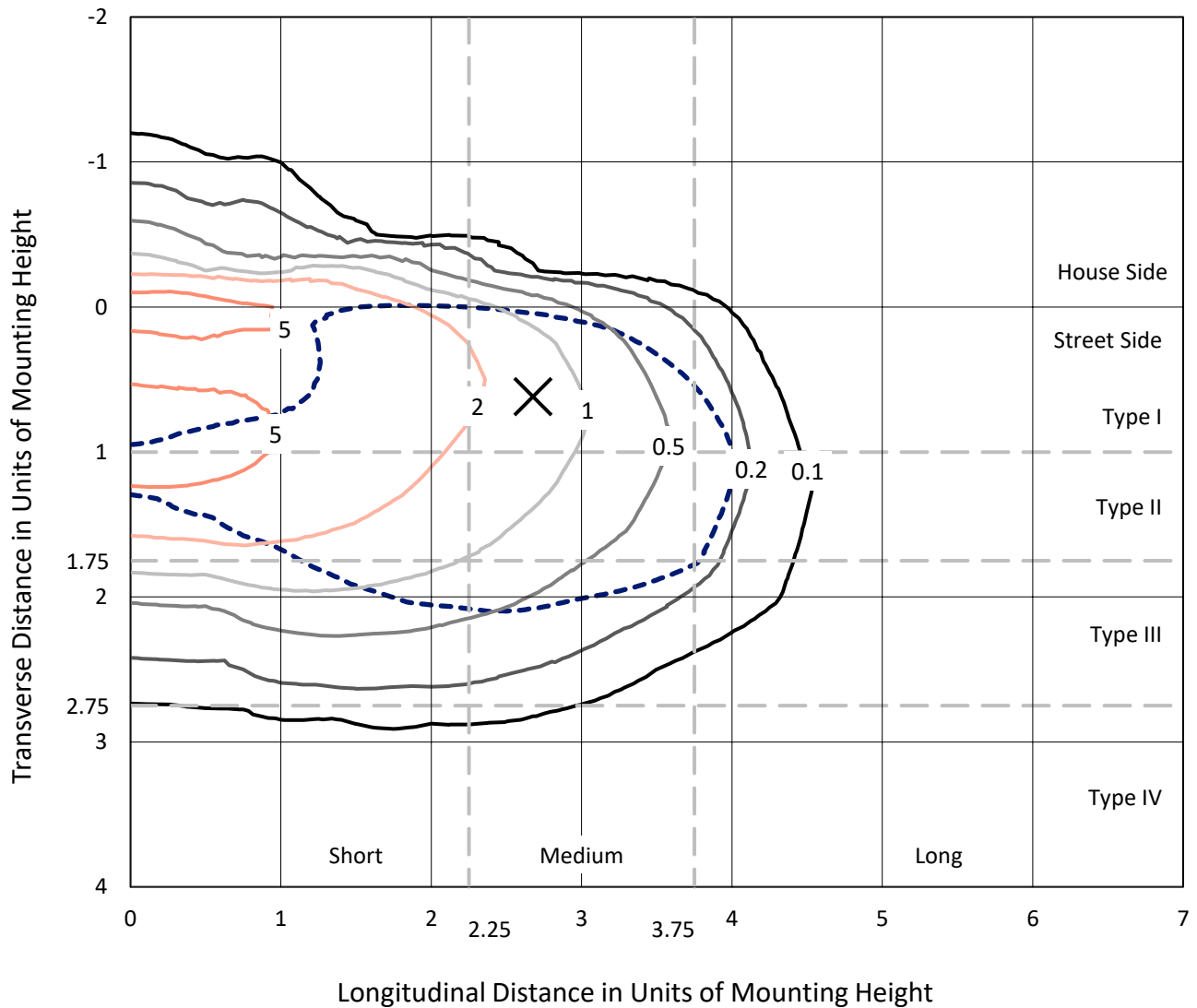
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

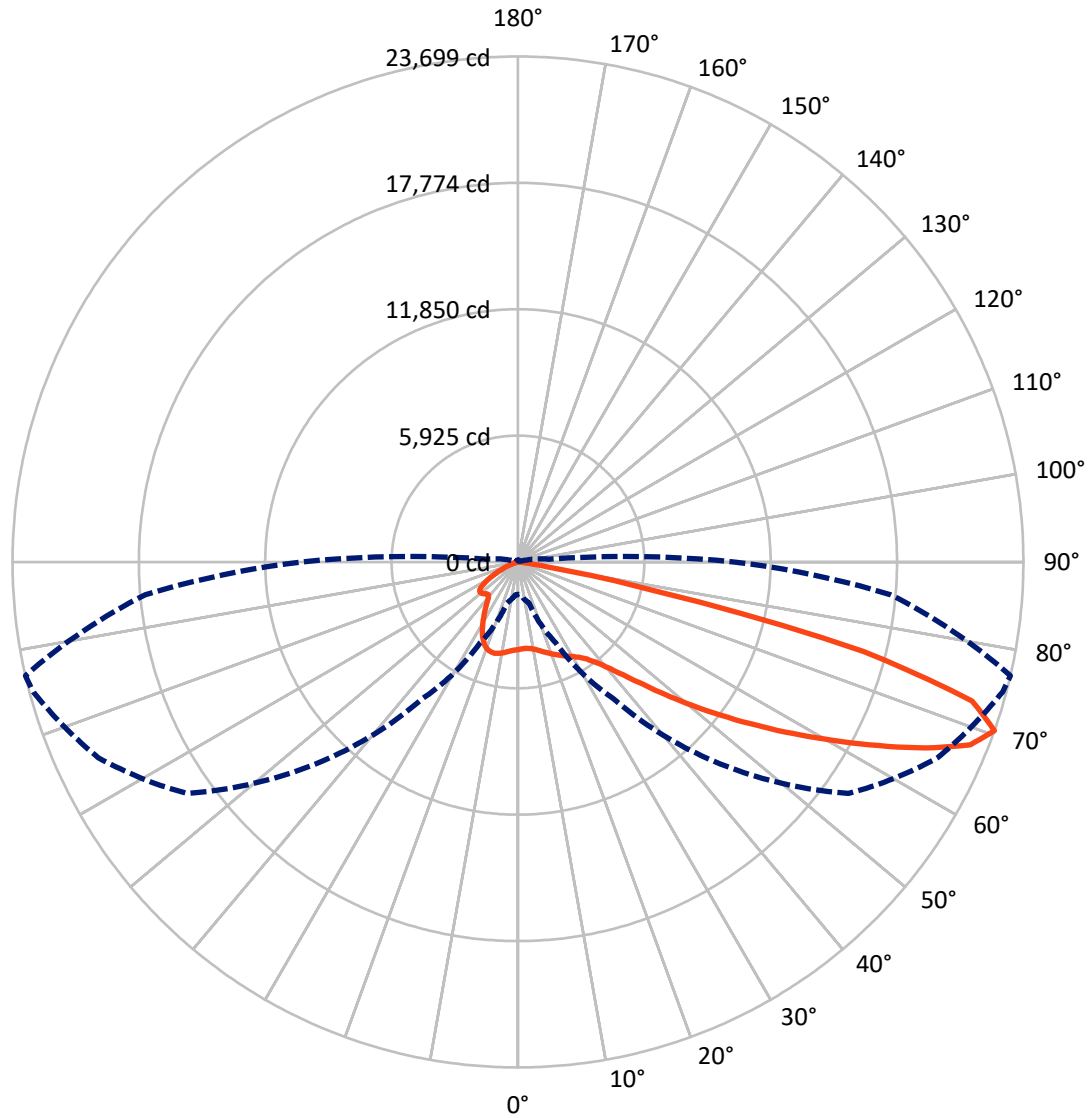
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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
House Side	Lumens	2772.6	0.0	2772.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	23529.4	0.0	23529.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	26302.0	0.0	26302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.6	1.3
10°-20°	839.4	3.2
20°-30°	1298.3	4.9
30°-40°	2355.8	9.0
40°-50°	4446.8	16.9
50°-60°	6425.2	24.4
60°-70°	6839.5	26.0
70°-80°	3624.5	13.8
80°-90°	119.0	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°	26302.0	100.0
0°-180°	26302.0	100.0

Coefficient of Utilization



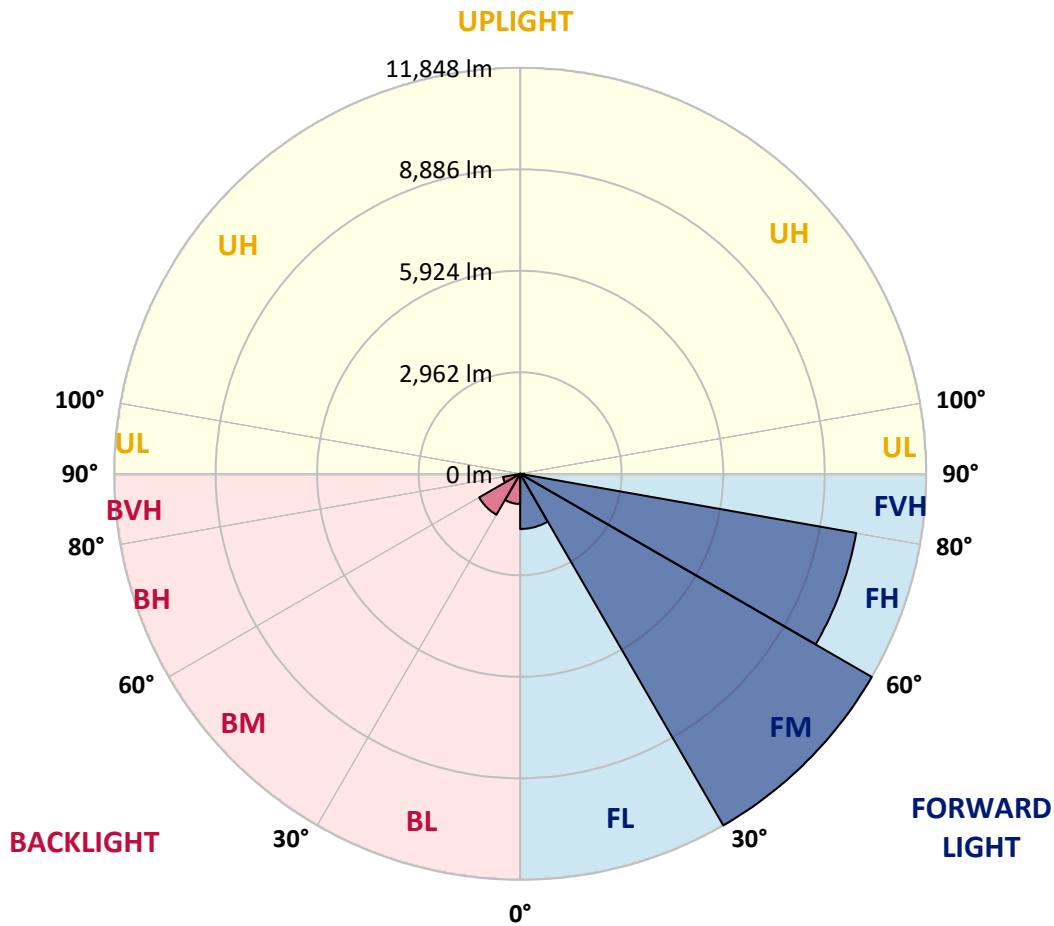
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.3	6.1			
FM (30°-60°)	11847.6	45.0			
FH (60°-80°)	9955.7	37.9			G4/12000
FVH (80°-90°)	115.8	0.4			G2/225
BL (0°-30°)	880.9	3.3	B2/1000		
BM (30°-60°)	1380.2	5.2	B2/2500		
BH (60°-80°)	508.3	1.9	B2/1000		G2/1000
BVH (80°-90°)	3.2	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6
2.5°	3851.8	3886.7	3881.7	3905.0	3913.3	3946.5	3979.7	4024.6	4074.4	4072.7
5°	3634.2	3669.1	3677.4	3709.0	3748.8	3800.3	3868.4	3958.1	4051.1	4066.1
7.5°	3376.8	3413.3	3434.9	3498.0	3571.1	3677.4	3788.7	3919.9	4074.4	4096.0
10°	3119.3	3152.6	3180.8	3270.5	3386.8	3544.5	3725.6	3914.9	4122.6	4154.1
12.5°	2959.9	2991.4	3023.0	3101.1	3245.6	3438.2	3684.1	3938.2	4202.3	4247.1
15°	2903.4	2931.6	2956.6	3026.3	3160.9	3380.1	3675.8	3986.4	4303.6	4363.4
17.5°	2911.7	2926.7	2943.3	2996.4	3127.6	3353.5	3690.7	4069.4	4423.2	4476.4
20°	2959.9	2968.2	2969.8	3006.4	3122.7	3350.2	3720.6	4149.1	4536.2	4607.6
22.5°	3021.3	3024.7	3021.3	3046.2	3154.2	3375.1	3760.5	4245.5	4662.4	4728.8
25°	3308.7	3245.6	3165.8	3117.7	3207.4	3423.3	3820.3	4375.0	4800.3	4865.0
27.5°	4200.6	4019.6	3733.9	3413.3	3317.0	3493.1	3903.3	4506.3	4939.8	4997.9
30°	5649.0	5411.5	4926.5	4204.0	3669.1	3639.2	4011.3	4637.5	5087.6	5150.7
32.5°	7100.7	7042.6	6482.8	5482.9	4461.4	3964.8	4190.7	4815.2	5283.6	5333.4
35°	8569.0	8451.1	7992.7	7004.4	5682.2	4627.5	4489.6	5047.7	5541.1	5597.5
37.5°	9693.5	9622.1	9338.1	8524.2	7130.6	5650.7	5001.2	5408.2	5914.8	5977.9
40°	10686.8	10653.6	10557.2	10020.7	8750.1	6989.4	5796.8	5966.3	6433.0	6507.7
42.5°	11467.5	11545.5	11600.3	11450.8	10419.4	8517.5	6866.5	6750.2	7155.5	7231.9
45°	12266.4	12293.0	12513.9	12729.8	12077.0	10115.4	8072.4	7668.8	8054.1	8148.8
47.5°	12779.6	12885.9	13274.6	13655.0	13470.6	11700.0	9368.0	8753.4	9095.6	9273.3
50°	12817.8	13018.8	13553.7	14216.4	14485.5	13208.2	10776.5	9989.2	10352.9	10548.9
52.5°	12181.7	12493.9	13322.8	14292.8	15033.6	14485.5	12233.2	11224.9	11691.7	11947.5
55°	9339.7	9748.3	12454.1	13877.5	15055.2	15453.8	13651.6	12512.2	13183.3	13472.3
57.5°	8137.2	8343.1	9791.5	13156.7	14654.9	15844.2	14933.9	13738.0	14806.0	15164.8
60°	6770.2	7040.9	8211.9	11977.4	14111.7	15882.4	16066.7	15319.3	16565.0	16968.6
62.5°	4600.9	4894.9	6059.3	9951.0	13369.3	15864.1	16995.2	16947.0	18520.0	18953.5
65°	2850.3	3034.6	3802.0	8125.5	12331.2	15884.0	17966.9	18923.6	20582.9	21023.1
67.5°	2252.3	2337.0	2737.3	6238.7	10542.3	15435.5	18936.9	20782.3	22524.6	22873.4
70°	1513.2	1564.6	1991.5	4182.4	7843.2	13366.0	18918.6	21715.7	23524.6	23699.0
72.5°	797.3	837.1	1164.4	1936.7	4737.1	9500.8	15947.1	20599.6	22529.6	22267.2
75°	398.6	465.1	784.0	983.3	2023.1	5298.5	9902.8	16241.1	17732.7	16716.2
77.5°	302.3	365.4	647.8	647.8	704.3	1783.9	4194.0	8858.0	8170.4	6803.4
80°	192.7	249.1	566.4	490.0	294.0	453.4	1092.9	2481.5	1735.7	1320.5
82.5°	112.9	162.8	471.7	323.9	164.4	167.8	308.9	528.2	450.1	350.5
85°	44.8	106.3	323.9	127.9	64.8	41.5	93.0	112.9	93.0	69.8
87.5°	0.0	24.9	56.5	0.0	5.0	3.3	6.6	8.3	8.3	6.6
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°
4102.6	0°	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6	4102.6
4106.0	2.5°	4120.9	4124.2	4134.2	4135.9	4112.6	4082.7	4071.1	4066.1	4046.2	4044.5
4132.5	5°	4170.7	4185.7	4170.7	4127.6	4024.6	3880.1	3770.4	3680.7	3599.4	3574.4
4223.9	7.5°	4270.4	4285.3	4240.5	4071.1	3812.0	3524.6	3265.5	3082.8	2918.4	2856.9
4335.2	10°	4413.2	4433.2	4292.0	3949.8	3491.4	3029.6	2591.1	2282.2	2041.4	1943.4
4486.3	12.5°	4592.6	4600.9	4320.2	3765.5	3074.5	2415.1	1793.9	1463.3	1249.1	1169.3
4669.0	15°	4790.3	4778.7	4323.5	3514.6	2506.4	1707.5	1171.0	961.7	875.3	848.8
4851.7	17.5°	4997.9	4949.7	4257.1	3152.6	1883.6	1167.7	868.7	818.9	803.9	797.3
5032.8	20°	5202.2	5094.2	4135.9	2679.2	1352.0	872.0	789.0	774.0	765.7	762.4
5215.5	22.5°	5388.2	5203.9	3928.2	2129.4	981.6	770.7	745.8	732.5	717.5	710.9
5393.2	25°	5569.3	5267.0	3635.9	1616.1	785.6	720.9	700.9	676.0	656.1	647.8
5584.2	27.5°	5745.4	5306.9	3270.5	1195.9	700.9	674.4	637.8	602.9	588.0	584.7
5788.5	30°	5933.0	5320.1	2855.2	891.9	649.4	616.2	563.1	523.2	514.9	516.6
6064.3	32.5°	6162.3	5340.1	2436.7	730.8	606.3	546.5	483.3	441.8	435.2	441.8
6466.2	35°	6436.3	5379.9	2033.0	672.7	568.1	475.0	406.9	372.1	365.4	370.4
6981.1	37.5°	6808.4	5444.7	1656.0	661.1	536.5	415.2	342.2	313.9	313.9	315.6
7612.3	40°	7303.4	5617.5	1318.8	652.8	519.9	370.4	289.0	277.4	282.4	285.7
8416.2	42.5°	7906.3	5984.5	1091.3	642.8	501.6	350.5	262.4	257.5	265.8	269.1
9379.6	45°	8582.3	6449.6	1011.5	626.2	485.0	363.8	250.8	244.2	254.1	255.8
10459.2	47.5°	9281.6	6904.7	1001.6	607.9	468.4	383.7	247.5	232.5	244.2	245.8
11612.0	50°	9989.2	7202.0	1011.5	579.7	441.8	383.7	249.1	220.9	230.9	235.9
12807.9	52.5°	10701.7	7338.2	1004.9	518.2	395.3	360.4	249.1	210.9	220.9	224.2
14100.1	55°	11392.7	7311.7	903.6	426.9	335.5	318.9	242.5	202.6	209.3	210.9
15320.9	57.5°	11939.2	6941.3	715.9	332.2	272.4	265.8	220.9	192.7	197.7	196.0
16440.4	60°	12224.9	6127.4	511.6	255.8	214.3	209.3	194.3	179.4	182.7	174.4
17388.9	62.5°	12228.2	5051.1	342.2	202.6	171.1	166.1	166.1	161.1	157.8	141.2
18123.0	65°	11967.4	3856.8	227.6	161.1	137.9	129.6	139.5	137.9	126.2	103.0
18347.3	67.5°	11376.1	2528.0	172.7	126.2	106.3	101.3	111.3	116.3	108.0	86.4
17530.1	70°	10160.3	1471.6	142.8	98.0	79.7	74.7	89.7	99.7	89.7	69.8
14983.8	72.5°	8439.5	794.0	116.3	73.1	54.8	49.8	71.4	81.4	71.4	51.5
9613.8	75°	5476.3	425.2	89.7	48.2	28.2	31.6	53.2	59.8	49.8	33.2
2822.0	77.5°	1838.7	187.7	56.5	23.3	13.3	13.3	31.6	36.5	23.3	11.6
513.2	80°	410.3	78.1	23.3	10.0	5.0	5.0	6.6	6.6	3.3	0.0
157.8	82.5°	134.5	31.6	10.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
39.9	85°	51.5	11.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.3	87.5°	19.9	1.7	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>
4102.6
4047.8
3559.5
2832.0
1901.8
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848.8
795.6
759.1
709.2
644.5
581.3
516.6
440.2
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313.9
285.7
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