

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: P952660

Luminaire Tested: **GALN-SB6B-940-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6B-940-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

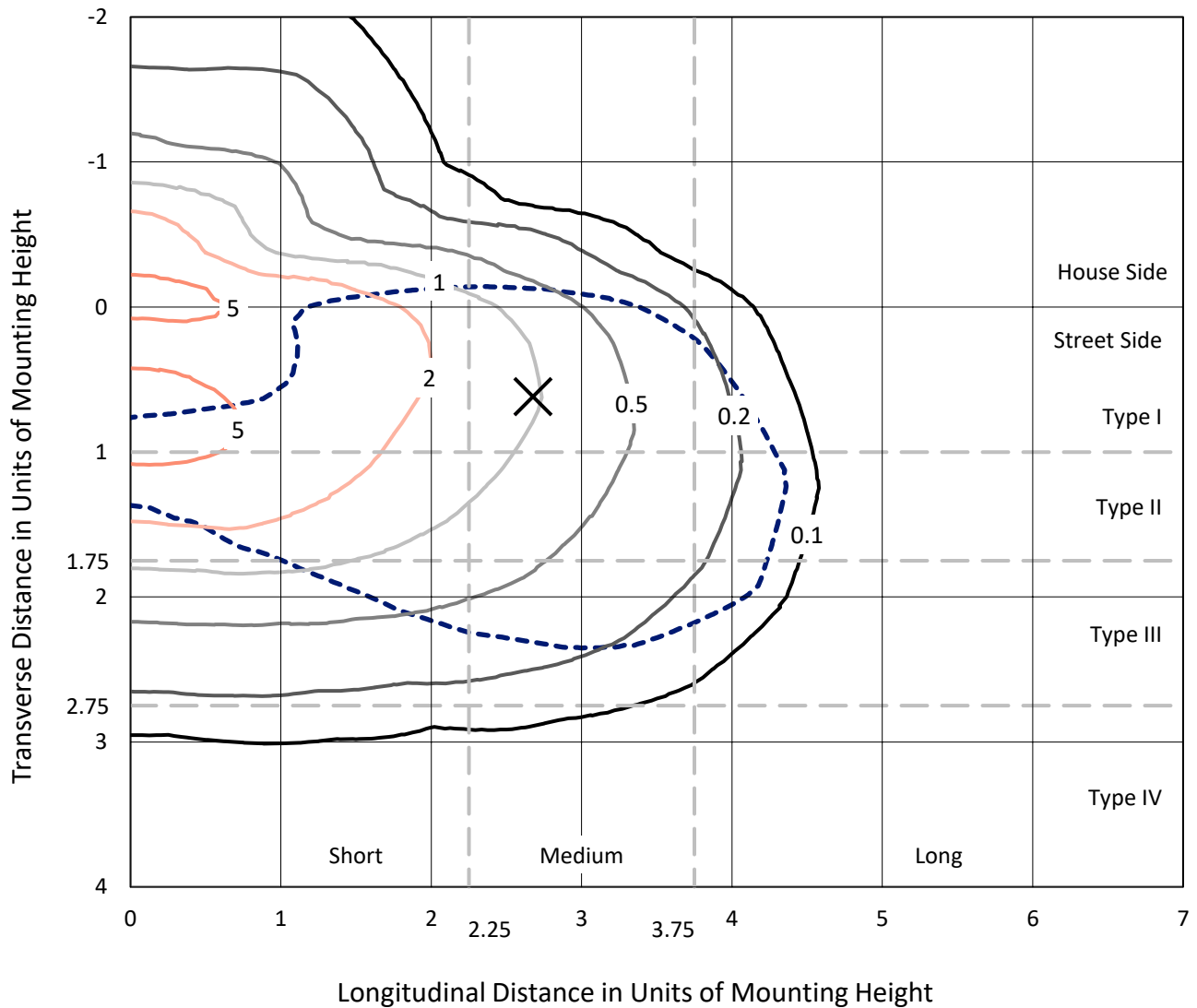
Lumens per Lamp: N/A  
Luminaire Lumens: 25402 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): 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

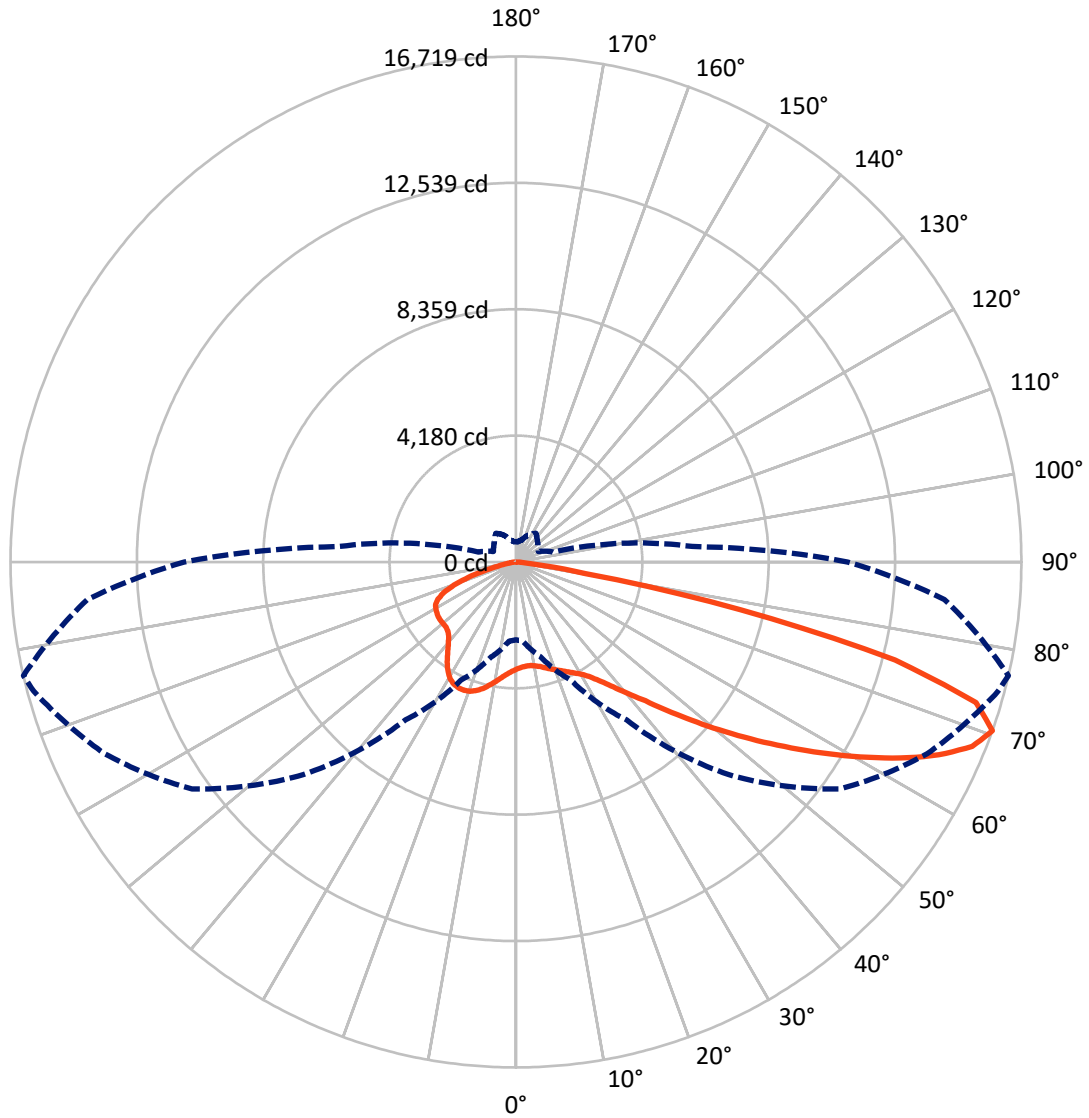
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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

REPORT NUMBER: P952660

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5562.6	0.0	5562.6
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	19839.4	0.0	19839.4
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	25402.0	0.0	25402.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.0	1.3
10°-20°	975.5	3.8
20°-30°	1668.2	6.6
30°-40°	2682.6	10.6
40°-50°	4188.2	16.5
50°-60°	5594.5	22.0
60°-70°	5962.8	23.5
70°-80°	3670.7	14.5
80°-90°	321.7	1.3
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°	25402.0	100.0
0°-180°	25402.0	100.0

**Coefficient of Utilization**



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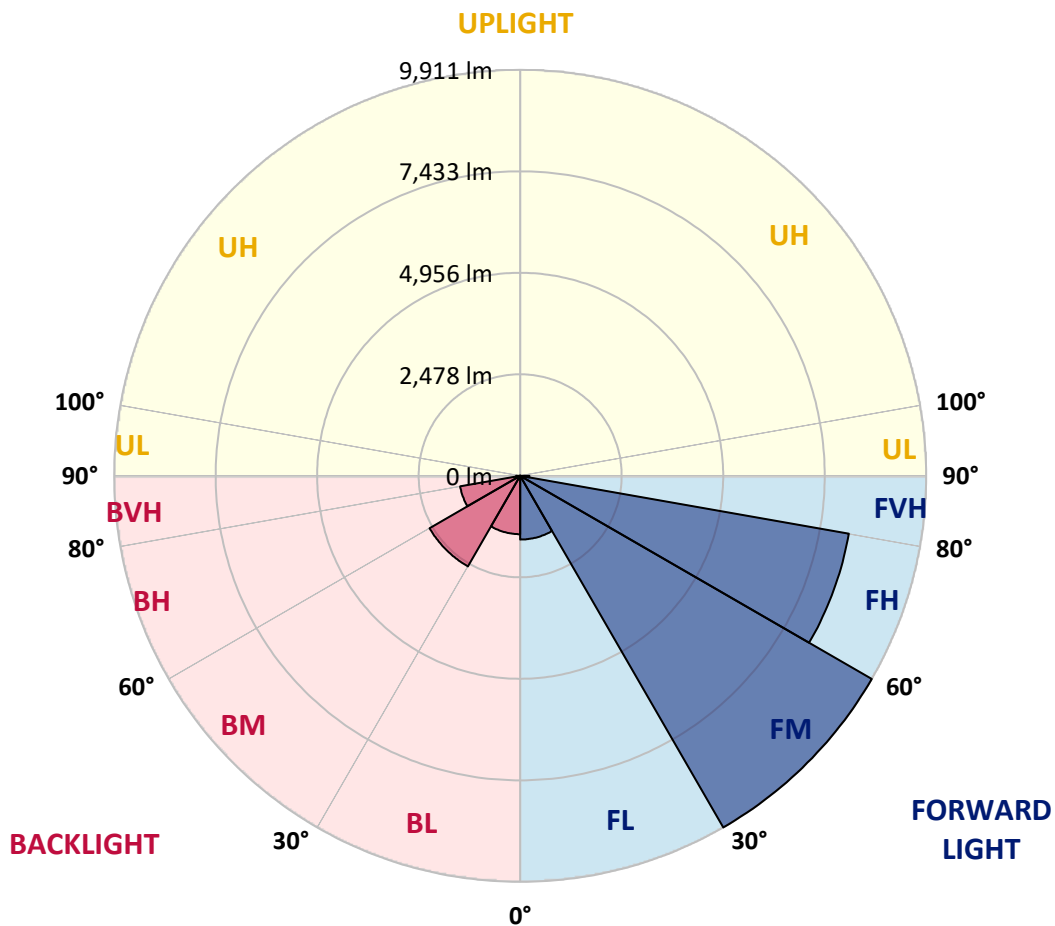
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1556.3	6.1			
FM (30°-60°)	9911.3	39.0			
FH (60°-80°)	8146.8	32.1			G4/12000
FVH (80°-90°)	224.9	0.9			G2/225
BL (0°-30°)	1425.3	5.6	B3/2500		
BM (30°-60°)	2553.9	10.1	B3/5000		
BH (60°-80°)	1486.7	5.9	B3/2500		G3/2500
BVH (80°-90°)	96.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium



REPORT NUMBER: P952660  
 CATALOG NUMBER: GALN-SB6B-940-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8
2.5°	3266.7	3265.4	3282.3	3287.5	3318.7	3340.9	3382.5	3426.7	3484.0	3490.5
5°	3078.1	3078.1	3097.6	3118.4	3158.7	3203.0	3266.7	3343.5	3442.3	3457.9
7.5°	2918.0	2928.5	2945.4	2985.7	3032.5	3096.3	3193.9	3303.1	3433.2	3457.9
10°	2789.3	2801.0	2821.8	2854.3	2924.6	3013.0	3140.5	3281.0	3455.3	3494.4
12.5°	2748.9	2760.6	2772.3	2797.1	2862.1	2966.2	3118.4	3291.4	3508.7	3547.7
15°	2842.6	2856.9	2847.8	2841.3	2875.1	2970.1	3128.8	3329.2	3575.0	3631.0
17.5°	3058.6	3063.8	3042.9	2981.8	2976.6	3027.3	3178.2	3381.2	3658.3	3719.4
20°	3407.2	3398.1	3355.2	3234.2	3165.2	3154.8	3262.8	3459.2	3744.2	3809.2
22.5°	3880.8	3870.4	3784.5	3593.2	3439.7	3338.3	3385.1	3560.7	3840.4	3913.3
25°	4471.4	4457.1	4330.9	4070.7	3832.6	3581.5	3551.6	3694.7	3958.8	4026.5
27.5°	5160.9	5149.2	5012.6	4669.1	4325.7	3914.6	3758.5	3852.1	4082.4	4159.2
30°	5902.4	5936.3	5694.3	5324.8	4890.3	4349.1	4036.9	4046.0	4242.4	4311.4
32.5°	6774.1	6832.6	6541.2	6072.9	5479.6	4821.4	4388.1	4316.6	4475.3	4532.5
35°	7637.9	7704.3	7462.3	6944.5	6261.5	5378.2	4755.0	4627.5	4784.9	4847.4
37.5°	8384.7	8473.1	8348.3	7898.1	7098.0	6049.5	5233.8	4993.1	5166.1	5244.2
40°	8974.0	9109.3	9100.2	8819.2	8084.2	6863.9	5841.3	5444.5	5639.7	5724.2
42.5°	9452.8	9569.9	9671.3	9657.0	9113.2	7788.8	6555.5	6031.2	6179.6	6277.1
45°	9783.2	9908.1	10126.7	10362.1	10103.2	8778.9	7373.8	6727.3	6862.6	7009.6
47.5°	10078.5	10220.3	10503.9	10877.3	10943.7	9772.8	8270.2	7537.8	7661.3	7813.6
50°	10104.5	10226.8	10666.6	11196.0	11540.8	10727.7	9232.9	8447.1	8562.9	8725.5
52.5°	9476.2	9668.7	10436.3	11186.9	11815.3	11526.5	10189.1	9392.9	9523.0	9718.2
55°	7355.6	7637.9	9761.1	10838.3	11717.7	12043.0	11098.5	10398.6	10565.1	10769.3
57.5°	6335.7	6459.3	7748.5	10203.4	11272.8	12177.0	11866.0	11414.6	11682.6	11906.4
60°	5694.3	5797.1	6559.4	9216.0	10687.4	11964.9	12459.3	12361.7	12824.8	13091.5
62.5°	5007.4	5105.0	5798.4	7695.2	9938.0	11612.4	12834.0	13236.0	13995.7	14287.1
65°	4325.7	4408.9	5073.7	6465.8	8985.7	11259.8	13027.8	13991.8	15079.4	15381.2
67.5°	3565.9	3634.9	4263.2	5454.9	7827.9	10777.1	13124.1	14586.3	16022.6	16281.5
70°	2573.3	2626.6	3275.8	4314.0	6374.7	9947.1	13085.0	15007.9	16511.8	16718.6
72.5°	1216.4	1264.5	2026.9	2801.0	4502.6	8331.3	12295.4	14673.5	16014.8	15912.0
75°	649.2	690.8	1164.4	1536.4	2378.2	5711.2	10061.6	12640.1	13448.0	12948.4
77.5°	439.7	472.2	720.7	922.4	1086.3	2711.2	6467.1	8751.5	8419.8	7595.0
80°	348.7	382.5	590.6	624.5	525.6	979.6	2672.2	4051.2	2910.2	2327.4
82.5°	268.0	305.7	497.0	452.7	286.2	402.0	778.0	1281.4	745.4	567.2
85°	163.9	204.3	390.3	288.8	161.3	183.4	264.1	356.5	227.7	189.9
87.5°	83.3	117.1	197.7	105.4	72.9	42.9	70.3	70.3	59.8	52.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952660  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3543.8	0°	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8	3543.8
3525.6	2.5°	3556.8	3582.8	3627.1	3668.7	3701.2	3732.4	3763.7	3780.6	3785.8	3806.6
3545.1	5°	3598.5	3646.6	3732.4	3813.1	3863.8	3895.1	3917.2	3930.2	3932.8	3939.3
3598.5	7.5°	3675.2	3752.0	3871.7	3952.3	3990.0	3987.4	3978.3	3945.8	3932.8	3921.1
3676.5	10°	3783.2	3884.7	4031.7	4087.6	4064.2	4001.7	3921.1	3826.1	3781.9	3739.0
3783.2	12.5°	3917.2	4046.0	4190.4	4187.8	4072.0	3912.0	3724.6	3578.9	3486.6	3420.2
3914.6	15°	4079.8	4228.1	4338.7	4250.2	3996.5	3709.0	3434.5	3244.6	3161.3	3088.5
4047.3	17.5°	4247.6	4406.3	4457.1	4230.7	3806.6	3408.5	3097.6	2948.0	2866.0	2827.0
4190.4	20°	4411.5	4569.0	4527.3	4118.8	3517.8	3067.7	2790.6	2708.6	2691.7	2700.8
4329.6	22.5°	4584.6	4725.1	4541.6	3902.9	3149.6	2719.0	2566.8	2569.4	2607.1	2634.4
4475.3	25°	4761.5	4856.5	4503.9	3590.6	2754.1	2462.7	2425.0	2466.6	2540.8	2594.1
4639.2	27.5°	4931.9	4973.6	4422.0	3204.3	2414.6	2279.3	2285.8	2371.6	2483.5	2557.7
4838.3	30°	5124.5	5077.6	4264.5	2769.7	2179.1	2121.9	2176.5	2276.7	2388.6	2454.9
5089.3	32.5°	5341.7	5167.4	4014.8	2367.7	2012.6	1995.7	2085.4	2150.5	2199.9	2219.4
5422.4	35°	5612.3	5293.6	3694.7	2085.4	1863.0	1903.3	1989.2	1956.6	1937.1	1926.7
5869.9	37.5°	5963.6	5464.0	3320.0	1902.0	1742.0	1837.0	1872.1	1770.6	1693.8	1656.1
6412.4	40°	6386.4	5713.8	2959.7	1760.2	1665.2	1779.7	1718.6	1596.3	1498.7	1445.4
7022.6	42.5°	6856.1	5975.3	2656.6	1653.5	1622.3	1732.9	1605.4	1459.7	1302.3	1285.3
7749.8	45°	7349.1	6244.6	2449.7	1571.6	1601.5	1692.5	1540.3	1304.9	1193.0	1261.9
8479.6	47.5°	7842.2	6491.8	2324.8	1510.4	1591.1	1647.0	1483.1	1219.0	1139.6	1239.8
9261.5	50°	8391.2	6712.9	2268.9	1466.2	1579.4	1628.8	1397.2	1196.9	1083.7	1150.0
10070.7	52.5°	8936.3	6884.7	2227.2	1421.9	1562.5	1614.5	1355.6	1170.9	1016.0	1020.0
10885.1	55°	9480.1	6996.6	2181.7	1363.4	1524.7	1583.3	1351.7	1142.2	965.3	947.1
11746.4	57.5°	10060.3	7060.3	2125.8	1298.4	1459.7	1503.9	1347.8	1120.1	949.7	919.8
12627.1	60°	10650.9	7154.0	2052.9	1219.0	1372.5	1408.9	1338.7	1112.3	940.6	889.9
13457.1	62.5°	11180.4	7186.5	1965.7	1143.5	1260.6	1315.3	1319.2	1105.8	915.9	828.7
14146.6	65°	11527.8	7046.0	1813.5	1057.7	1139.6	1219.0	1281.4	1083.7	871.6	784.5
14487.5	67.5°	11513.5	6645.3	1575.5	947.1	1022.6	1112.3	1226.8	1046.0	818.3	729.8
14229.9	70°	10977.5	5854.3	1273.6	818.3	893.8	997.8	1156.6	990.0	754.6	670.0
12653.1	72.5°	9415.0	4582.0	925.0	667.4	744.1	879.4	1065.5	922.4	689.5	616.7
9351.3	75°	6726.0	2899.8	627.1	512.6	578.9	745.4	952.3	843.0	629.7	619.3
4683.5	77.5°	3435.8	1385.5	415.0	374.7	403.3	588.0	800.1	753.3	638.8	511.3
1332.2	80°	1117.5	511.3	261.5	255.0	268.0	391.6	619.3	618.0	484.0	347.4
322.6	82.5°	356.5	219.9	170.4	163.9	157.4	245.9	431.9	489.2	326.5	219.9
115.8	85°	141.8	131.4	100.2	92.4	66.3	115.8	226.4	325.2	243.3	158.7
29.9	87.5°	52.0	52.0	27.3	19.5	14.3	39.0	61.1	97.6	139.2	82.0
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>
3543.8
3818.3
3949.7
3923.7
3725.9
3404.6
3080.7
2838.7
2696.9
2640.9
2608.4
2575.9
2470.5
2229.8
1937.1
1665.2
1449.3
1302.3
1298.4
1286.6
1199.5
1047.3
960.1
923.7
893.8
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733.7
677.8
612.8
584.1
455.3
307.0
218.6
162.6
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0.0

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