

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: P940456

Luminaire Tested: **GALN-SB3C-740-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940456  
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-SB3C-740-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

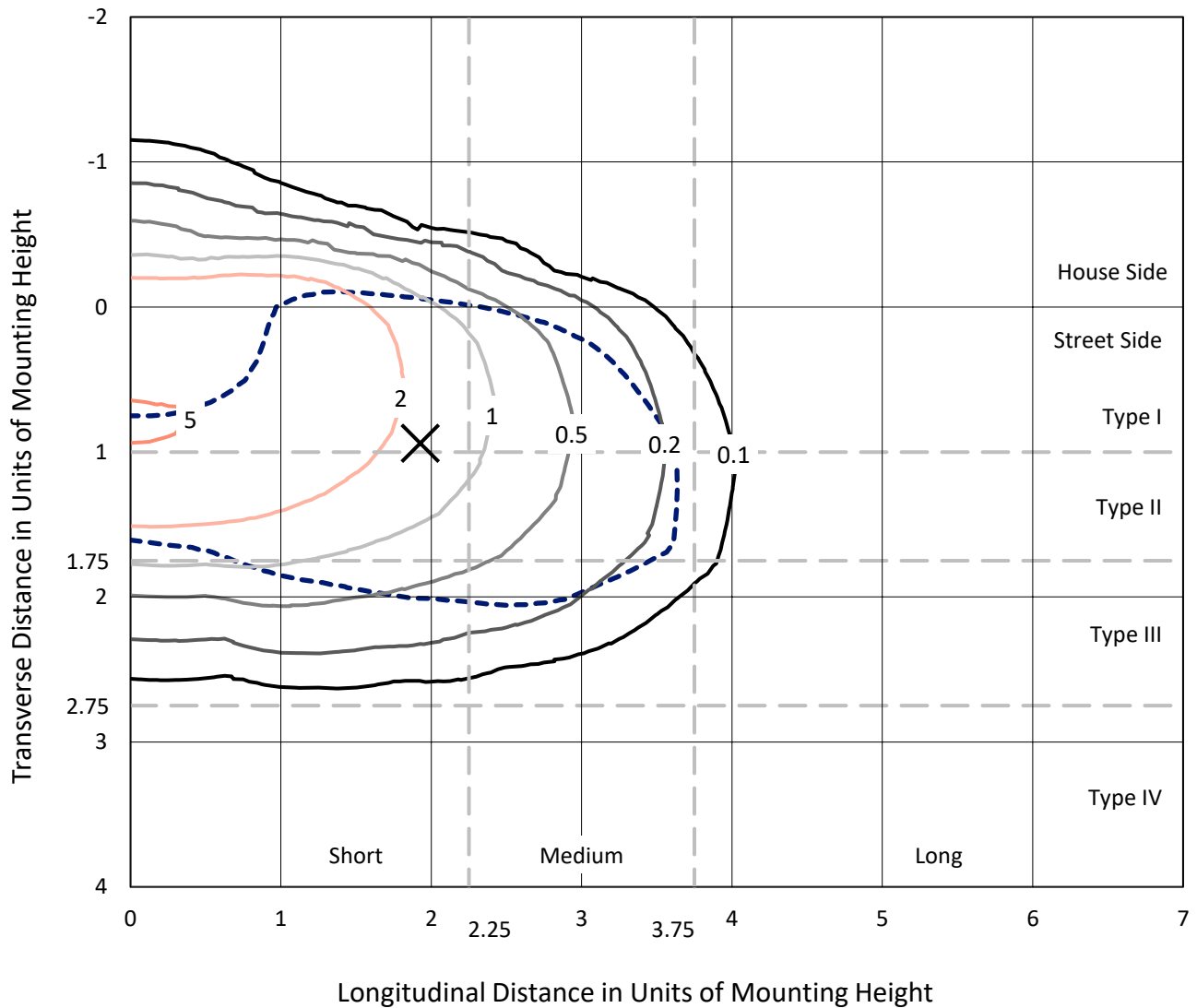
Lumens per Lamp: N/A  
Luminaire Lumens: 18644 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

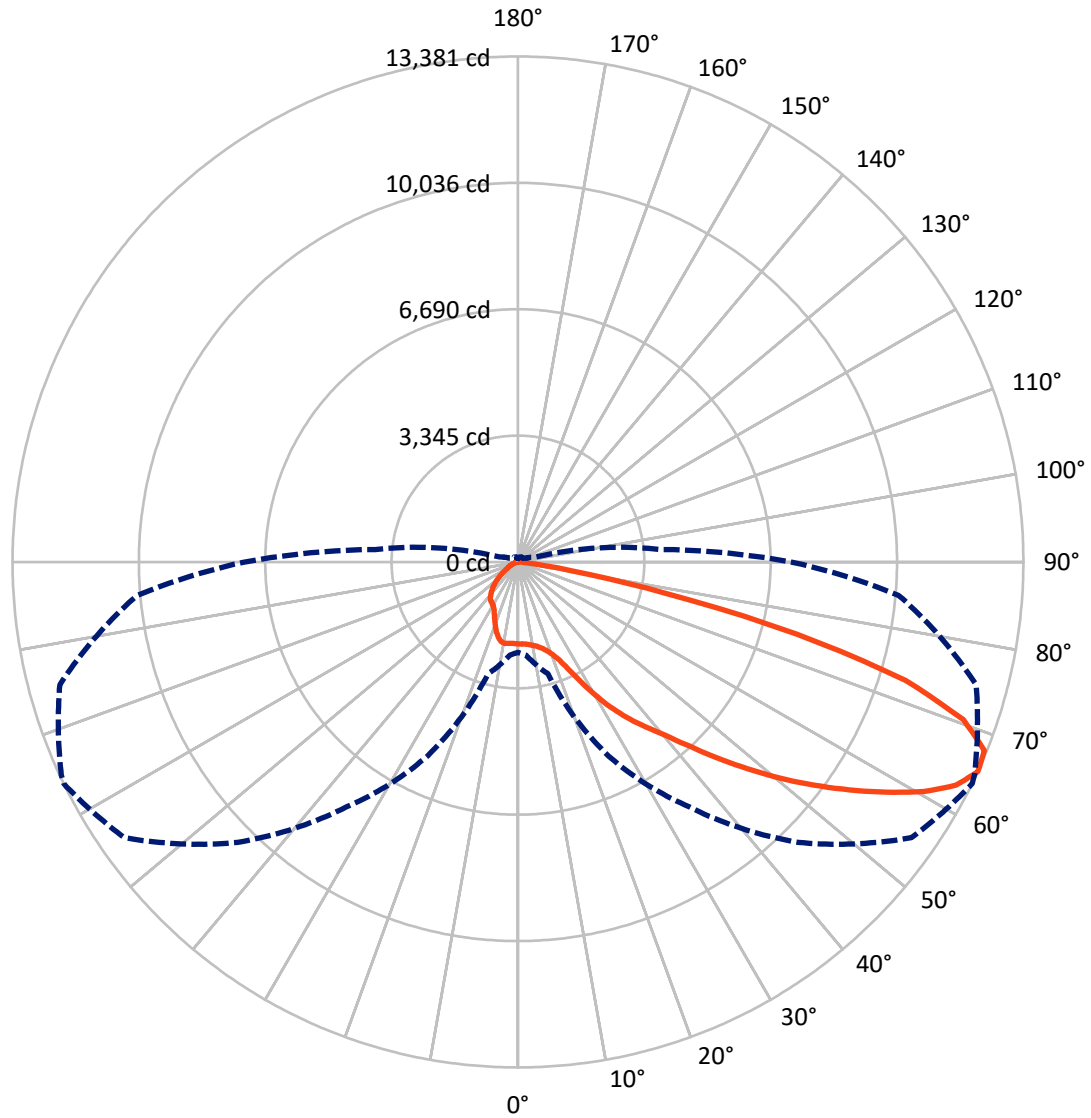
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	2493.3	0.0	2493.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	16150.7	0.0	16150.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	18644.0	0.0	18644.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.1	1.1
10°-20°	542.6	2.9
20°-30°	1028.2	5.5
30°-40°	2080.7	11.2
40°-50°	3544.5	19.0
50°-60°	4820.2	25.9
60°-70°	4526.4	24.3
70°-80°	1813.5	9.7
80°-90°	87.8	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°	18644.0	100.0
0°-180°	18644.0	100.0

**Coefficient of Utilization**



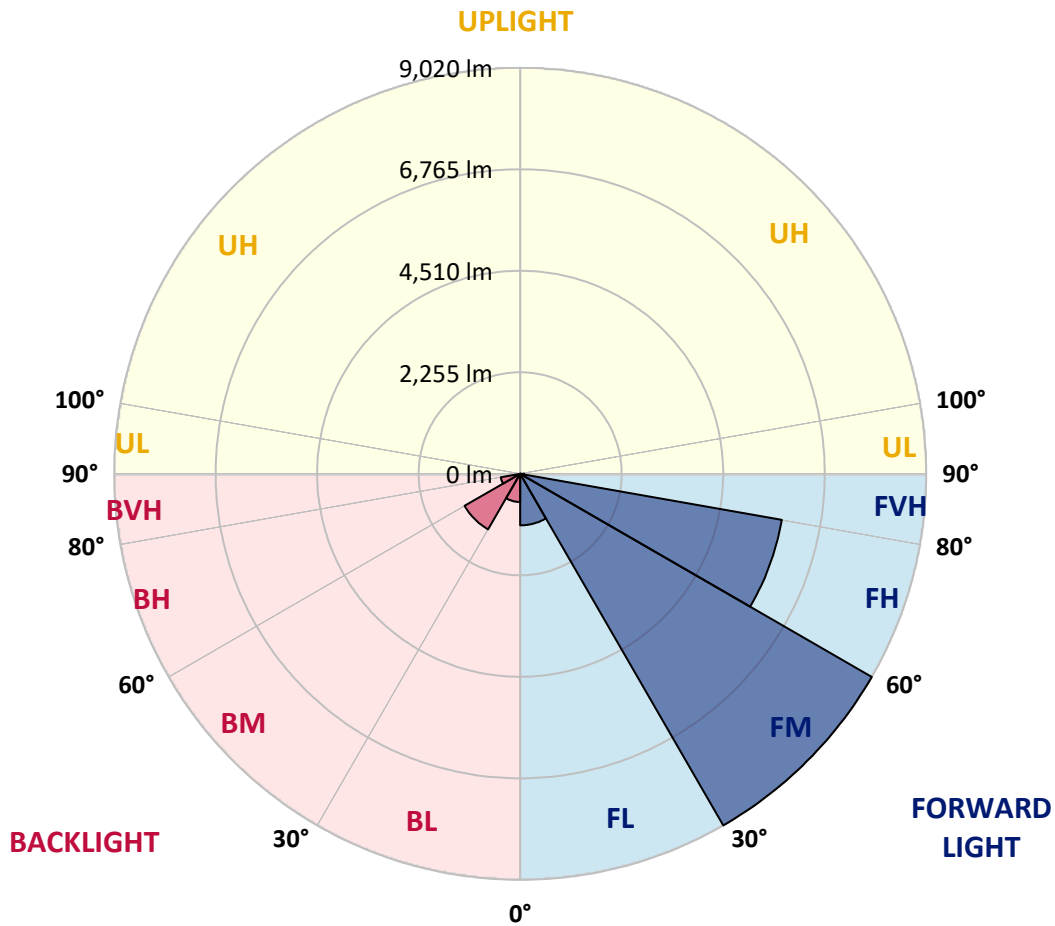
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1145.0	6.1			
FM (30°-60°)	9019.9	48.4			
FH (60°-80°)	5902.3	31.7			G3/7500
FVH (80°-90°)	83.6	0.4			G1/100
BL (0°-30°)	626.0	3.4	B2/1000		
BM (30°-60°)	1425.4	7.6	B2/2500		
BH (60°-80°)	437.6	2.3	B1/500		G1/500
BVH (80°-90°)	4.3	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5
2.5°	2161.0	2176.0	2172.2	2168.5	2167.2	2169.7	2171.0	2169.7	2169.7	2169.7
5°	2119.7	2132.2	2132.2	2141.0	2153.5	2168.5	2179.7	2182.2	2184.7	2188.5
7.5°	2041.0	2051.0	2058.5	2087.3	2118.5	2158.5	2192.2	2209.7	2212.2	2226.0
10°	1987.3	1999.8	2012.3	2042.3	2087.3	2147.2	2204.7	2247.2	2253.5	2286.0
12.5°	1984.8	1997.3	2013.5	2046.0	2098.5	2162.2	2232.2	2293.5	2304.7	2352.2
15°	2011.0	2026.0	2041.0	2081.0	2137.2	2214.7	2289.7	2366.0	2377.2	2444.7
17.5°	2064.8	2084.8	2096.0	2136.0	2196.0	2282.2	2381.0	2468.5	2478.5	2557.2
20°	2171.0	2194.7	2198.5	2231.0	2289.7	2382.2	2499.7	2608.4	2620.9	2710.9
22.5°	2391.0	2424.7	2394.7	2411.0	2463.5	2555.9	2683.4	2820.9	2838.4	2940.9
25°	2778.4	2825.9	2748.4	2720.9	2743.4	2839.7	2999.6	3173.4	3193.4	3275.9
27.5°	3539.6	3478.3	3360.8	3245.9	3178.4	3233.4	3413.3	3628.3	3653.3	3733.3
30°	4375.7	4322.0	4163.3	3908.3	3748.3	3739.6	3905.8	4145.8	4174.5	4250.7
32.5°	5213.1	5161.9	4989.4	4675.7	4398.2	4260.7	4375.7	4641.9	4656.9	4705.7
35°	6036.8	5984.3	5811.8	5490.6	5149.4	4836.9	4814.4	5114.4	5119.4	5170.6
37.5°	6865.4	6821.7	6638.0	6323.0	5986.8	5555.6	5346.9	5561.8	5568.1	5618.1
40°	7456.6	7475.4	7349.1	7105.4	6816.7	6345.5	5944.3	6038.0	6000.5	6084.3
42.5°	7964.0	8001.5	7891.6	7769.1	7601.6	7186.6	6684.2	6668.0	6608.0	6653.0
45°	8402.7	8434.0	8335.3	8306.5	8302.8	8011.5	7492.9	7395.4	7311.6	7302.9
47.5°	8564.0	8624.0	8666.5	8762.7	8950.2	8827.7	8329.0	8177.8	8084.0	8015.3
50°	8625.2	8689.0	8833.9	9113.9	9557.6	9610.1	9161.4	8991.4	8876.4	8751.5
52.5°	8542.7	8656.5	8851.4	9322.6	9966.3	10237.5	9960.1	9811.3	9680.1	9476.4
55°	8056.5	8170.3	8569.0	9320.1	10170.0	10677.5	10715.0	10648.7	10501.2	10180.0
57.5°	7031.7	7200.4	7831.6	9002.7	10166.3	11056.2	11454.9	11502.4	11337.4	10877.4
60°	5611.8	5840.6	6610.5	8299.0	9852.6	11261.2	12103.6	12341.0	12166.0	11564.9
62.5°	3915.8	4180.8	4909.4	7196.6	9135.2	11113.7	12577.2	13015.9	12883.5	12179.8
65°	2388.5	2473.5	3060.9	5663.1	7915.3	10496.2	12723.5	13380.9	13337.2	12556.0
67.5°	1591.1	1662.3	1831.0	3883.3	6144.3	9262.6	12373.5	13317.2	13329.7	12494.8
70°	958.6	1019.9	1129.9	2258.5	3982.0	7331.6	11289.9	12504.8	12577.2	11676.1
72.5°	395.0	436.2	536.2	1023.6	2062.3	4653.2	8990.2	10736.2	10904.9	9817.6
75°	223.7	245.0	315.0	513.7	894.9	2168.5	5445.6	7621.6	7870.3	6766.7
77.5°	148.7	158.7	203.7	332.5	503.7	739.9	2327.2	3970.8	4445.7	3695.8
80°	100.0	108.7	140.0	222.5	327.5	317.5	741.2	1471.1	1809.8	1269.8
82.5°	67.5	68.7	100.0	146.2	207.5	153.7	218.7	457.4	574.9	367.5
85°	38.7	37.5	73.7	85.0	92.5	63.7	66.2	137.5	180.0	155.0
87.5°	5.0	7.5	28.7	22.5	12.5	13.7	13.7	23.7	35.0	37.5
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°
2168.5	0°	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5	2168.5
2171.0	2.5°	2171.0	2169.7	2166.0	2162.2	2153.5	2148.5	2151.0	2148.5	2147.2	2148.5
2187.2	5°	2187.2	2183.5	2173.5	2161.0	2143.5	2122.2	2108.5	2088.5	2069.8	2058.5
2231.0	7.5°	2231.0	2227.2	2213.5	2178.5	2122.2	2033.5	1952.3	1881.0	1827.3	1796.0
2301.0	10°	2301.0	2294.7	2273.5	2196.0	2048.5	1854.8	1693.5	1559.8	1472.3	1431.1
2383.5	12.5°	2383.5	2376.0	2338.5	2179.7	1908.5	1606.1	1383.6	1234.9	1153.6	1117.4
2478.5	15°	2481.0	2471.0	2397.2	2102.2	1704.8	1331.1	1127.4	1016.1	963.6	931.1
2599.7	17.5°	2602.2	2584.7	2441.0	1986.0	1483.6	1121.1	969.9	886.1	839.9	808.7
2758.4	20°	2759.7	2730.9	2476.0	1847.3	1279.8	988.6	863.6	793.7	758.7	731.2
2983.4	22.5°	2979.6	2938.4	2518.4	1697.3	1136.1	897.4	784.9	733.7	704.9	673.7
3297.1	25°	3252.1	3203.4	2570.9	1558.6	1037.4	818.7	727.4	684.9	651.2	614.9
3708.3	27.5°	3633.3	3545.8	2633.4	1444.8	952.4	751.2	674.9	627.4	588.7	558.7
4174.5	30°	4058.3	3914.5	2688.4	1376.1	874.9	688.7	606.2	558.7	522.4	501.2
4593.2	32.5°	4460.7	4265.7	2724.7	1346.1	804.9	617.4	531.2	479.9	452.4	446.2
5003.2	35°	4840.7	4583.2	2720.9	1317.3	742.4	546.2	457.4	405.0	383.7	387.5
5444.3	37.5°	5278.1	4921.9	2694.7	1272.3	691.2	481.2	393.7	347.5	328.7	330.0
5980.5	40°	5786.8	5313.1	2678.4	1187.4	634.9	421.2	341.2	303.7	290.0	285.0
6545.5	42.5°	6329.2	5691.8	2680.9	1091.1	564.9	367.5	305.0	273.7	261.2	257.5
7174.1	45°	6874.2	6053.0	2684.7	991.1	491.2	326.2	278.7	252.5	245.0	240.0
7811.6	47.5°	7386.6	6360.5	2614.7	883.6	418.7	295.0	257.5	240.0	233.7	227.5
8451.5	50°	7864.1	6565.5	2446.0	758.7	361.2	270.0	241.2	228.7	222.5	216.2
9031.4	52.5°	8235.3	6598.0	2167.2	629.9	321.2	251.2	231.2	220.0	212.5	206.2
9500.1	55°	8400.2	6394.2	1771.0	509.9	290.0	235.0	221.2	210.0	201.2	195.0
9868.8	57.5°	8357.8	5965.5	1381.1	410.0	260.0	218.7	208.7	201.2	191.2	181.2
10167.5	60°	8149.0	5391.9	1041.1	341.2	232.5	201.2	195.0	188.7	175.0	160.0
10282.5	62.5°	7787.8	4670.7	742.4	282.5	202.5	181.2	178.7	173.7	153.7	126.2
10112.5	65°	7235.4	3794.5	499.9	235.0	173.7	158.7	160.0	151.2	125.0	93.7
9490.1	67.5°	6428.0	2774.7	320.0	192.5	145.0	132.5	133.7	128.7	106.2	80.0
8310.3	70°	5399.4	1837.3	208.7	146.2	116.2	102.5	110.0	111.2	90.0	65.0
6378.0	72.5°	3958.3	1084.9	146.2	108.7	85.0	71.2	90.0	92.5	72.5	48.7
3837.0	75°	2256.0	514.9	110.0	78.7	52.5	50.0	70.0	70.0	50.0	32.5
1661.1	77.5°	947.4	215.0	77.5	51.2	30.0	28.7	47.5	43.7	25.0	15.0
405.0	80°	273.7	96.2	41.2	25.0	12.5	11.2	18.7	13.7	6.2	2.5
153.7	82.5°	107.5	42.5	16.2	10.0	5.0	5.0	2.5	0.0	0.0	0.0
87.5	85°	63.7	17.5	7.5	3.7	1.2	0.0	0.0	0.0	0.0	0.0
18.7	87.5°	16.2	3.7	2.5	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>
2168.5
2153.5
2061.0
1797.3
1427.3
1113.6
932.4
806.2
726.2
668.7
611.2
552.4
497.4
449.9
387.5
335.0
283.7
256.2
240.0
227.5
216.2
205.0
193.7
180.0
157.5
123.7
91.2
76.2
62.5
46.2
30.0
15.0
2.5
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