

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: P940576

Luminaire Tested: **GALN-SB3C-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940576
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-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 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: 12259 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

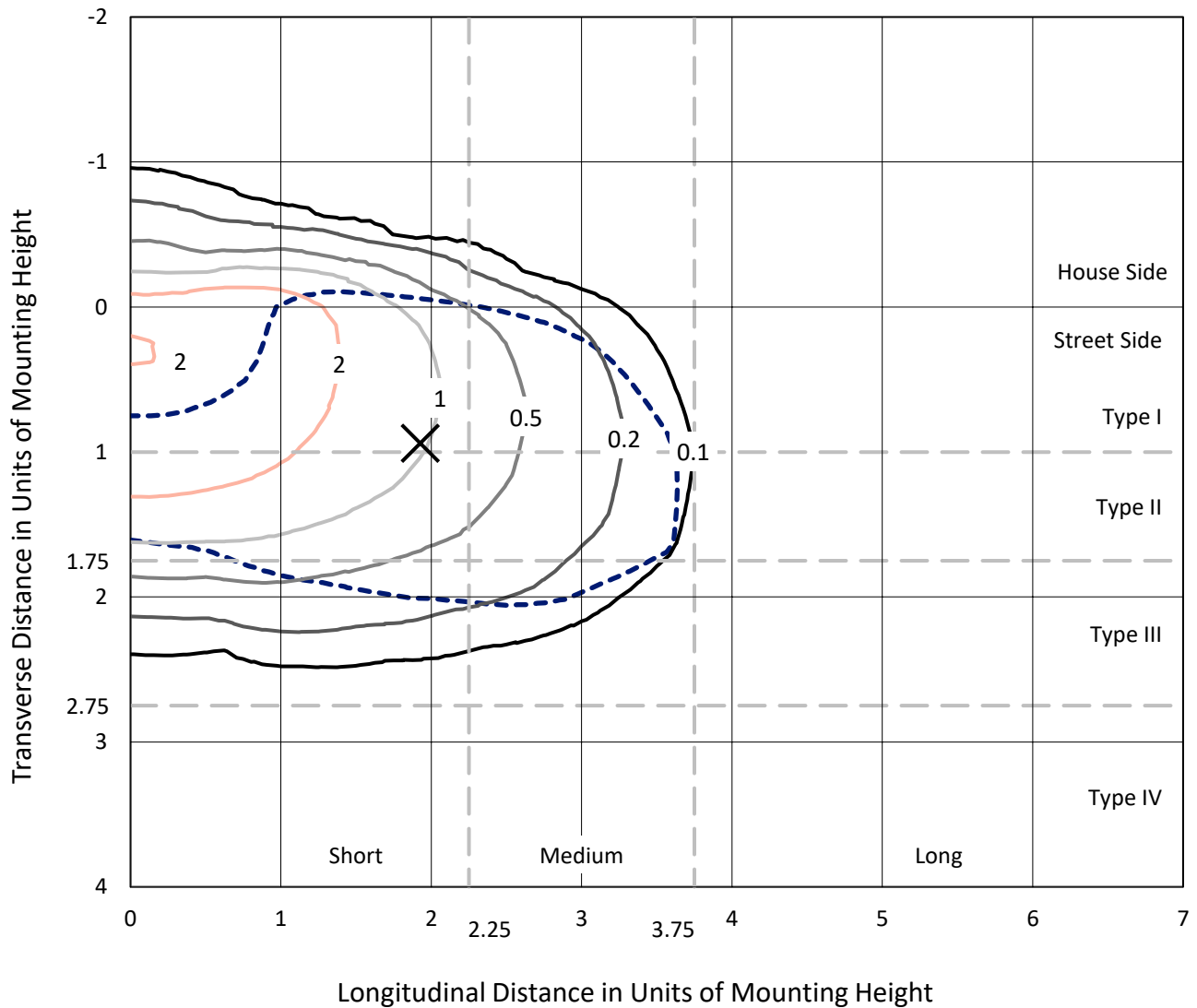
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

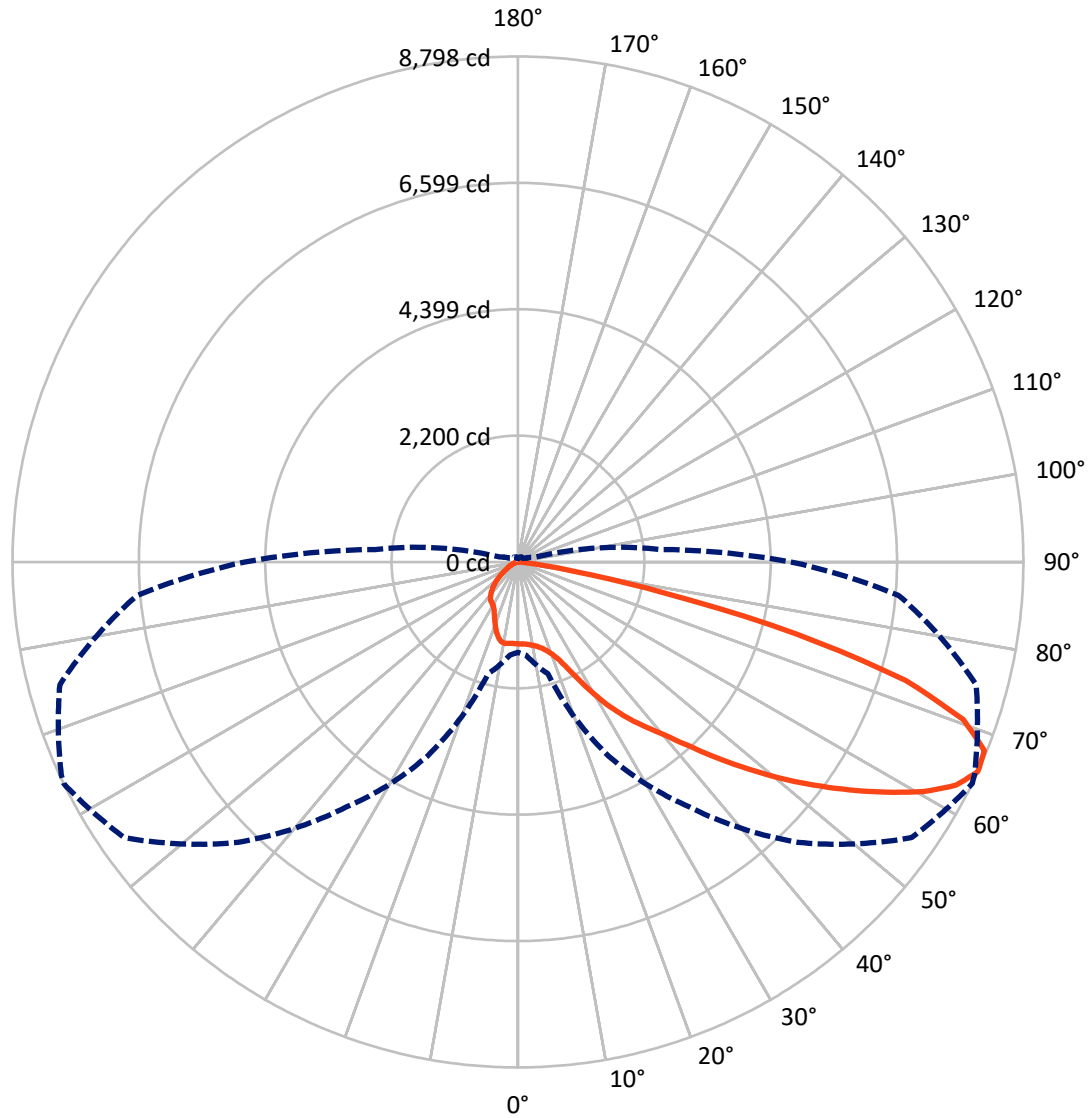
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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
House Side	Lumens	1639.4	0.0	1639.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	10619.6	0.0	10619.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	12259.0	0.0	12259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	1.1
10°-20°	356.8	2.9
20°-30°	676.1	5.5
30°-40°	1368.1	11.2
40°-50°	2330.6	19.0
50°-60°	3169.4	25.9
60°-70°	2976.2	24.3
70°-80°	1192.4	9.7
80°-90°	57.8	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°	12259.0	100.0
0°-180°	12259.0	100.0

Coefficient of Utilization



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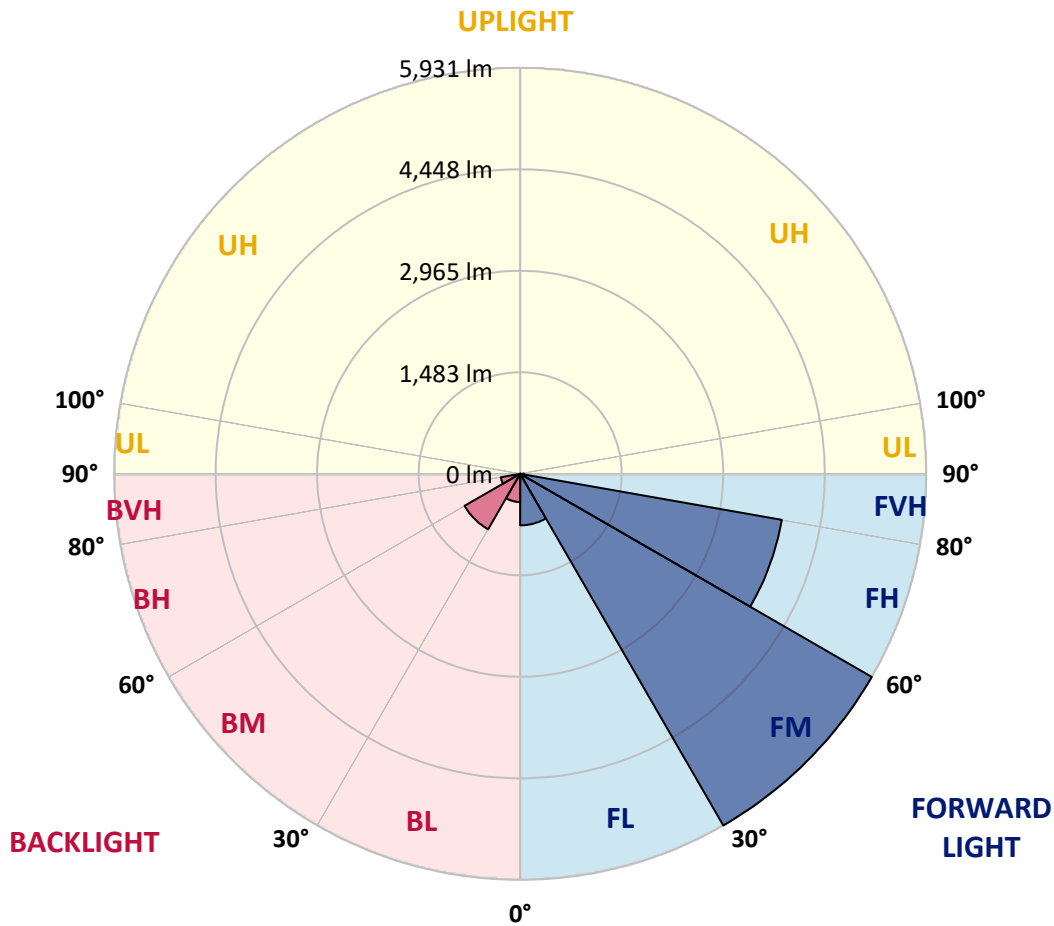
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	752.8	6.1			
FM (30°-60°)	5930.9	48.4			
FH (60°-80°)	3880.9	31.7			G2/5000
FVH (80°-90°)	54.9	0.4			G1/100
BL (0°-30°)	411.6	3.4	B1/500		
BM (30°-60°)	937.2	7.6	B1/1000		
BH (60°-80°)	287.7	2.3	B1/500		G1/500
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8
2.5°	1420.9	1430.8	1428.3	1425.8	1425.0	1426.7	1427.5	1426.7	1426.7	1426.7
5°	1393.8	1402.0	1402.0	1407.8	1416.0	1425.8	1433.2	1434.9	1436.5	1439.0
7.5°	1342.0	1348.6	1353.5	1372.4	1393.0	1419.3	1441.5	1453.0	1454.6	1463.7
10°	1306.7	1314.9	1323.1	1342.8	1372.4	1411.9	1449.7	1477.6	1481.7	1503.1
12.5°	1305.0	1313.3	1323.9	1345.3	1379.8	1421.7	1467.8	1508.0	1515.4	1546.7
15°	1322.3	1332.2	1342.0	1368.3	1405.3	1456.3	1505.6	1555.7	1563.1	1607.5
17.5°	1357.6	1370.8	1378.2	1404.5	1443.9	1500.6	1565.6	1623.1	1629.7	1681.4
20°	1427.5	1443.1	1445.6	1466.9	1505.6	1566.4	1643.6	1715.1	1723.3	1782.5
22.5°	1572.1	1594.3	1574.6	1585.3	1619.8	1680.6	1764.4	1854.8	1866.3	1933.7
25°	1826.9	1858.1	1807.2	1789.1	1803.9	1867.2	1972.4	2086.6	2099.7	2154.0
27.5°	2327.4	2287.1	2209.9	2134.3	2089.9	2126.0	2244.4	2385.7	2402.2	2454.8
30°	2877.2	2841.8	2737.5	2569.8	2464.6	2458.9	2568.2	2726.0	2744.9	2795.0
32.5°	3427.8	3394.1	3280.7	3074.4	2892.0	2801.6	2877.2	3052.2	3062.1	3094.1
35°	3969.4	3934.9	3821.4	3610.2	3385.9	3180.4	3165.6	3362.9	3366.2	3399.8
37.5°	4514.2	4485.5	4364.7	4157.6	3936.5	3653.0	3515.7	3657.1	3661.2	3694.1
40°	4902.9	4915.3	4832.3	4672.0	4482.2	4172.4	3908.6	3970.2	3945.5	4000.6
42.5°	5236.6	5261.3	5188.9	5108.4	4998.3	4725.4	4395.1	4384.4	4344.9	4374.5
45°	5525.1	5545.6	5480.7	5461.8	5459.3	5267.8	4926.8	4862.7	4807.6	4801.9
47.5°	5631.1	5670.5	5698.5	5761.7	5885.0	5804.5	5476.6	5377.1	5315.5	5270.3
50°	5671.3	5713.3	5808.6	5992.7	6284.4	6318.9	6023.9	5912.1	5836.5	5754.3
52.5°	5617.1	5691.9	5820.1	6129.9	6553.2	6731.5	6549.0	6451.2	6365.0	6231.0
55°	5297.4	5372.2	5634.4	6128.3	6687.1	7020.8	7045.4	7001.9	6904.9	6693.7
57.5°	4623.5	4734.5	5149.5	5919.5	6684.6	7269.8	7531.9	7563.2	7454.7	7152.3
60°	3689.9	3840.3	4346.6	5456.9	6478.4	7404.6	7958.5	8114.6	7999.5	7604.3
62.5°	2574.7	2749.0	3228.1	4732.0	6006.6	7307.6	8269.9	8558.4	8471.3	8008.6
65°	1570.5	1626.4	2012.6	3723.6	5204.6	6901.6	8366.1	8798.4	8769.6	8256.0
67.5°	1046.2	1093.0	1204.0	2553.4	4040.0	6090.5	8136.0	8756.4	8764.7	8215.7
70°	630.3	670.6	742.9	1485.0	2618.3	4820.8	7423.5	8222.3	8269.9	7677.4
72.5°	259.7	286.8	352.6	673.1	1356.0	3059.6	5911.3	7059.4	7170.3	6455.4
75°	147.1	161.1	207.1	337.8	588.4	1425.8	3580.6	5011.4	5175.0	4449.3
77.5°	97.8	104.4	134.0	218.6	331.2	486.5	1530.2	2610.9	2923.2	2430.1
80°	65.7	71.5	92.0	146.3	215.3	208.7	487.3	967.3	1190.0	835.0
82.5°	44.4	45.2	65.7	96.2	136.4	101.1	143.8	300.8	378.0	241.6
85°	25.5	24.7	48.5	55.9	60.8	41.9	43.6	90.4	118.3	101.9
87.5°	3.3	4.9	18.9	14.8	8.2	9.0	9.0	15.6	23.0	24.7
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°
1425.8	0°	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8	1425.8
1427.5	2.5°	1427.5	1426.7	1424.2	1421.7	1416.0	1412.7	1414.3	1412.7	1411.9	1412.7
1438.2	5°	1438.2	1435.7	1429.1	1420.9	1409.4	1395.4	1386.4	1373.3	1360.9	1353.5
1466.9	7.5°	1466.9	1464.5	1455.4	1432.4	1395.4	1337.1	1283.7	1236.8	1201.5	1180.9
1513.0	10°	1513.0	1508.9	1494.9	1443.9	1347.0	1219.6	1113.6	1025.6	968.1	941.0
1567.2	12.5°	1567.2	1562.3	1537.6	1433.2	1254.9	1056.0	909.7	812.0	758.5	734.7
1629.7	15°	1631.3	1624.7	1576.2	1382.3	1121.0	875.2	741.3	668.1	633.6	612.3
1709.4	17.5°	1711.0	1699.5	1605.0	1305.9	975.5	737.2	637.7	582.7	552.3	531.7
1813.7	20°	1814.6	1795.7	1628.0	1214.6	841.5	650.1	567.9	521.9	498.8	480.8
1961.7	22.5°	1959.2	1932.1	1656.0	1116.0	747.0	590.1	516.1	482.4	463.5	443.0
2167.9	25°	2138.4	2106.3	1690.5	1024.8	682.1	538.3	478.3	450.4	428.2	404.3
2438.3	27.5°	2389.0	2331.5	1731.6	950.0	626.2	493.9	443.8	412.6	387.1	367.4
2744.9	30°	2668.4	2573.9	1767.7	904.8	575.3	452.8	398.6	367.4	343.5	329.5
3020.2	32.5°	2933.1	2804.9	1791.6	885.1	529.2	406.0	349.3	315.6	297.5	293.4
3289.7	35°	3182.9	3013.6	1789.1	866.2	488.2	359.1	300.8	266.3	252.3	254.8
3579.8	37.5°	3470.5	3236.3	1771.8	836.6	454.5	316.4	258.9	228.5	216.1	217.0
3932.4	40°	3805.0	3493.5	1761.1	780.7	417.5	277.0	224.4	199.7	190.7	187.4
4303.8	42.5°	4161.7	3742.5	1762.8	717.4	371.5	241.6	200.5	180.0	171.8	169.3
4717.2	45°	4520.0	3980.0	1765.3	651.7	323.0	214.5	183.3	166.0	161.1	157.8
5136.3	47.5°	4856.9	4182.2	1719.2	581.0	275.3	193.9	169.3	157.8	153.7	149.6
5557.1	50°	5170.9	4317.0	1608.3	498.8	237.5	177.5	158.6	150.4	146.3	142.2
5938.4	52.5°	5414.9	4338.4	1425.0	414.2	211.2	165.2	152.0	144.6	139.7	135.6
6246.6	55°	5523.4	4204.4	1164.5	335.3	190.7	154.5	145.5	138.1	132.3	128.2
6489.1	57.5°	5495.5	3922.5	908.1	269.6	170.9	143.8	137.2	132.3	125.7	119.2
6685.5	60°	5358.2	3545.3	684.6	224.4	152.9	132.3	128.2	124.1	115.1	105.2
6761.1	62.5°	5120.7	3071.1	488.2	185.7	133.1	119.2	117.5	114.2	101.1	83.0
6649.3	65°	4757.5	2495.0	328.7	154.5	114.2	104.4	105.2	99.4	82.2	61.6
6240.0	67.5°	4226.6	1824.4	210.4	126.6	95.3	87.1	87.9	84.6	69.9	52.6
5464.2	70°	3550.2	1208.1	137.2	96.2	76.4	67.4	72.3	73.1	59.2	42.7
4193.7	72.5°	2602.7	713.3	96.2	71.5	55.9	46.8	59.2	60.8	47.7	32.1
2523.0	75°	1483.4	338.6	72.3	51.8	34.5	32.9	46.0	46.0	32.9	21.4
1092.2	77.5°	622.9	141.4	51.0	33.7	19.7	18.9	31.2	28.8	16.4	9.9
266.3	80°	180.0	63.3	27.1	16.4	8.2	7.4	12.3	9.0	4.1	1.6
101.1	82.5°	70.7	27.9	10.7	6.6	3.3	3.3	1.6	0.0	0.0	0.0
57.5	85°	41.9	11.5	4.9	2.5	0.8	0.0	0.0	0.0	0.0	0.0
12.3	87.5°	10.7	2.5	1.6	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>
1425.8
1416.0
1355.2
1181.8
938.5
732.2
613.1
530.1
477.5
439.7
401.9
363.2
327.1
295.9
254.8
220.2
186.6
168.5
157.8
149.6
142.2
134.8
127.4
118.3
103.5
81.4
60.0
50.1
41.1
30.4
19.7
9.9
1.6
0.0
0.0
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0.0

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