

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: P954454

Luminaire Tested: **GALN-SB7C-950-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7C-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

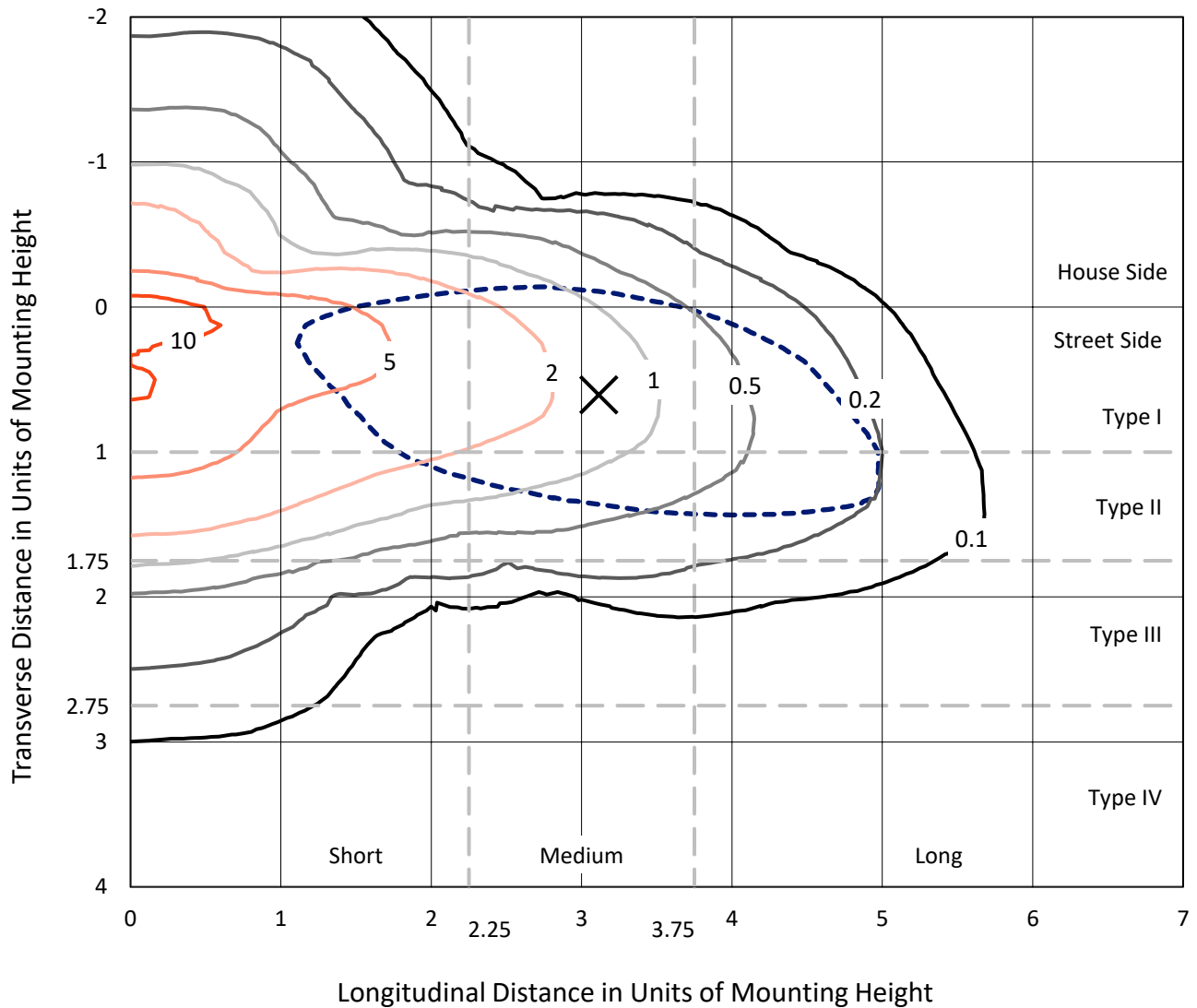
Lumens per Lamp: N/A  
Luminaire Lumens: 36826 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

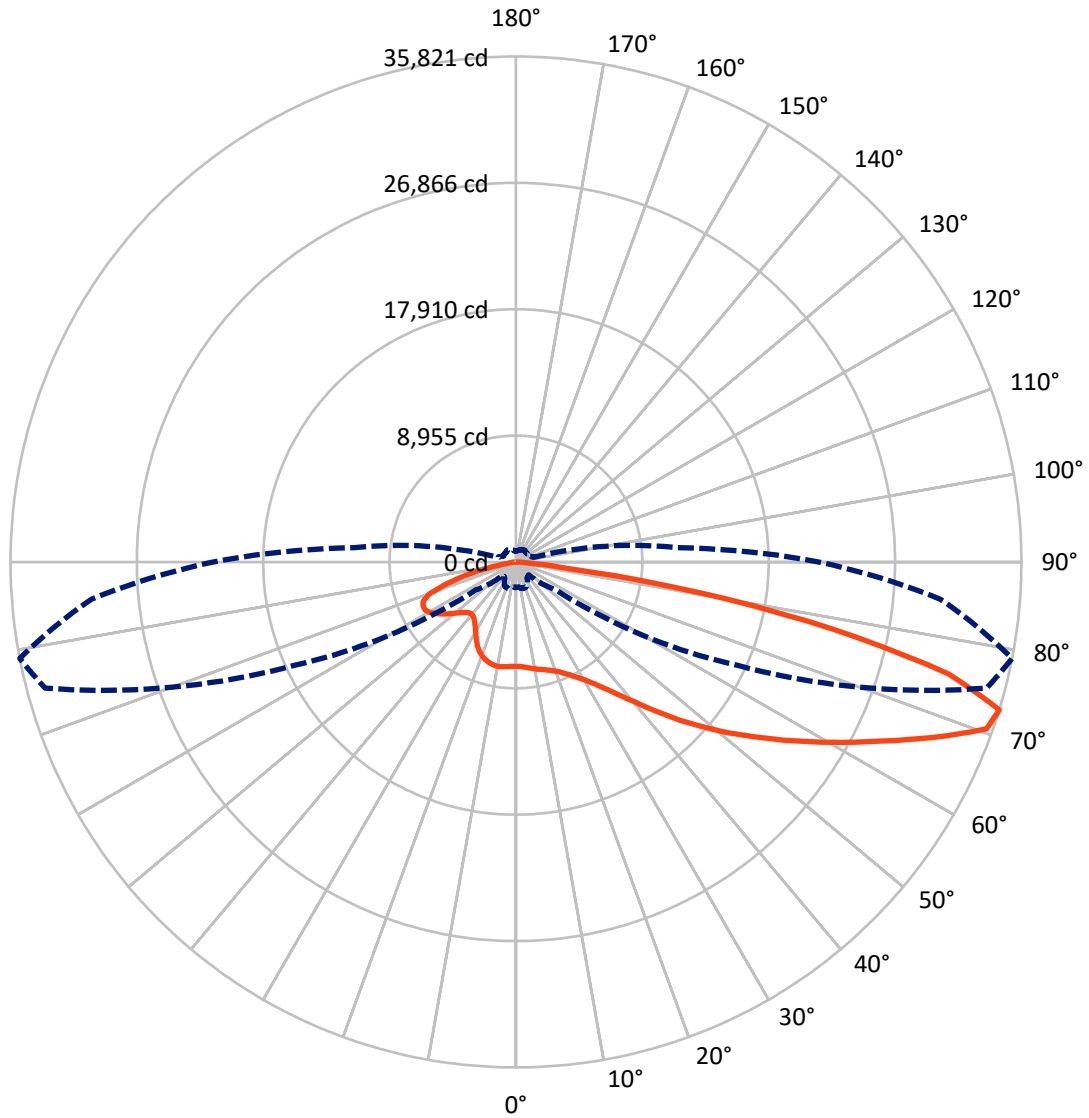
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8103.7	0.0	8103.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	28722.3	0.0	28722.3
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	36826.0	0.0	36826.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	671.0	1.8
10°-20°	1754.4	4.8
20°-30°	2830.9	7.7
30°-40°	4248.7	11.5
40°-50°	6027.1	16.4
50°-60°	7611.4	20.7
60°-70°	7730.4	21.0
70°-80°	5268.6	14.3
80°-90°	683.6	1.9
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°	36826.0	100.0
0°-180°	36826.0	100.0

**Coefficient of Utilization**



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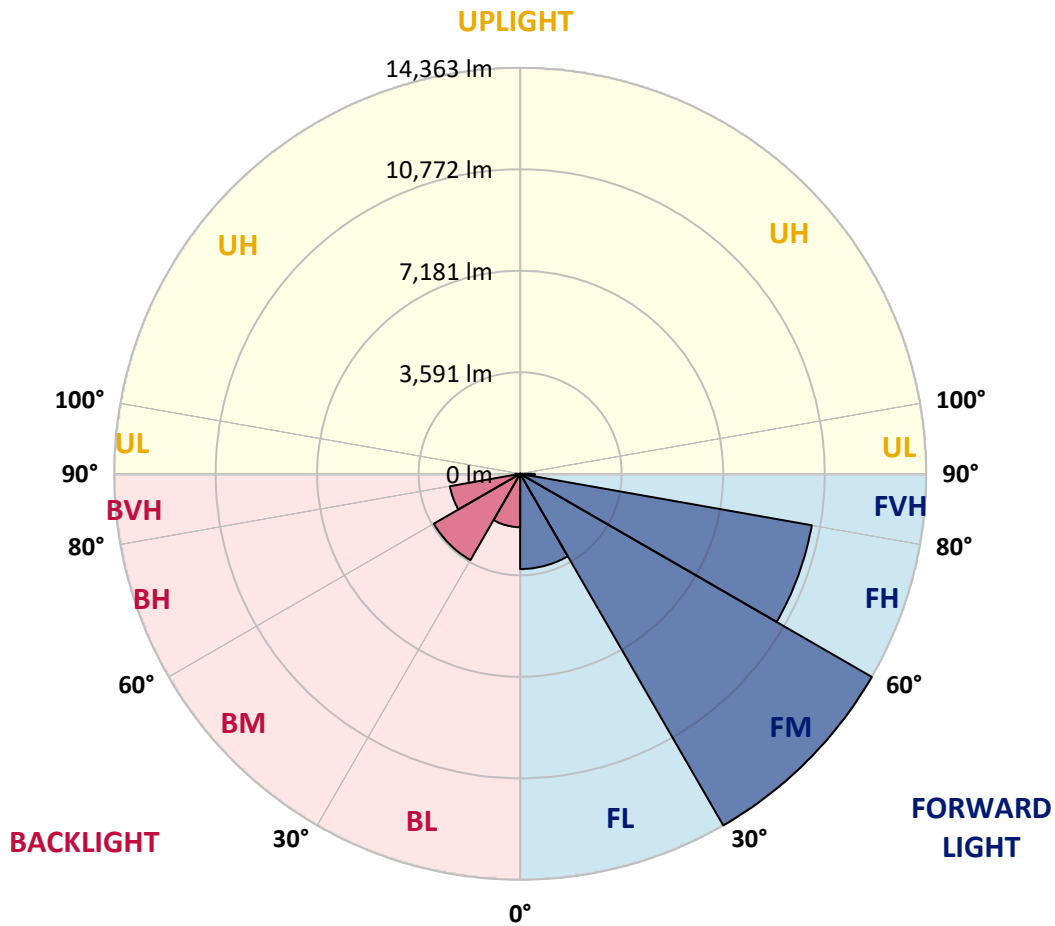
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3368.7	9.1			
FM (30°-60°)	14362.9	39.0			
FH (60°-80°)	10475.7	28.4			G4/12000
FVH (80°-90°)	514.9	1.4			G4/750
BL (0°-30°)	1887.6	5.1	B3/2500		
BM (30°-60°)	3524.3	9.6	B3/5000		
BH (60°-80°)	2523.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	168.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5
2.5°	7396.4	7361.3	7382.7	7374.9	7384.7	7396.4	7400.3	7406.1	7425.6	7423.6
5°	7380.8	7345.7	7374.9	7365.2	7390.5	7417.8	7441.2	7462.6	7493.8	7507.4
7.5°	7347.7	7324.3	7353.5	7382.7	7429.5	7470.4	7503.5	7552.2	7597.0	7604.8
10°	7154.8	7137.3	7205.5	7281.4	7410.0	7521.0	7593.1	7649.6	7698.3	7706.1
12.5°	6954.2	6932.8	7008.7	7112.0	7320.4	7521.0	7673.0	7747.0	7789.9	7815.2
15°	6921.1	6903.5	6946.4	7036.0	7209.4	7468.4	7727.5	7863.9	7900.9	7930.1
17.5°	7080.8	7047.7	7065.2	7096.4	7197.7	7419.7	7770.4	7996.3	8052.8	8084.0
20°	7450.9	7404.2	7376.9	7314.6	7297.0	7427.5	7766.5	8156.1	8230.1	8269.0
22.5°	7943.7	7912.6	7854.1	7696.3	7524.9	7523.0	7840.5	8360.6	8498.9	8535.9
25°	8539.8	8493.1	8419.0	8204.8	7875.6	7711.9	7965.2	8621.6	8853.4	8863.2
27.5°	9225.5	9155.4	9054.1	8771.6	8327.5	8008.0	8156.1	8921.6	9260.6	9256.7
30°	9948.2	9878.1	9770.9	9428.1	8869.0	8407.4	8421.0	9245.0	9743.6	9722.2
32.5°	10476.1	10423.5	10402.1	10137.1	9492.4	8878.8	8724.9	9603.4	10339.7	10320.2
35°	10881.2	10813.1	10838.4	10704.0	10172.2	9406.6	9096.9	10030.0	11064.4	11062.4
37.5°	11282.5	11222.1	11243.6	11154.0	10801.4	10076.7	9550.8	10552.0	11962.4	12005.2
40°	11648.7	11584.5	11670.2	11586.4	11290.3	10789.7	10067.0	11142.3	13002.6	13084.4
42.5°	11868.9	11818.2	11960.4	11962.4	11715.0	11391.6	10633.9	11792.9	14206.4	14389.5
45°	11944.8	11927.3	12141.6	12186.4	12090.9	11740.3	11144.2	12501.9	15503.7	15831.0
47.5°	11863.0	11829.9	12126.0	12291.6	12367.5	11903.9	11566.9	13269.4	16828.3	17307.5
50°	11450.0	11385.8	11826.0	12174.7	12445.5	12011.1	11993.5	14155.8	18334.1	18858.1
52.5°	10707.9	10659.2	11159.8	11765.6	12274.0	12063.7	12472.7	15123.9	19763.9	20441.8
55°	9759.2	9694.9	10246.2	11037.1	11847.4	12046.1	12951.9	16206.9	21450.8	22138.4
57.5°	8255.4	8126.8	8824.2	9759.2	11152.0	12024.7	13450.6	17284.2	23165.0	23989.0
60°	6062.0	5871.1	6726.3	7834.7	9792.3	11816.3	14068.1	18491.9	25222.1	25964.2
62.5°	3529.7	3418.7	3977.7	5012.1	7380.8	10589.1	14414.8	19896.4	27244.0	28023.2
65°	2740.8	2709.6	2758.3	2838.2	4108.2	7928.2	13345.4	21265.8	29815.3	30360.7
67.5°	2507.0	2483.6	2505.1	2355.1	2084.3	4416.0	10557.9	21612.5	32569.7	32900.9
70°	2228.5	2201.2	2271.3	2142.7	1640.2	2008.3	6821.7	20354.1	34761.2	35382.6
72.5°	1815.5	1784.3	1947.9	1889.5	1381.1	1289.5	3426.4	17364.0	34531.3	35820.8
75°	1394.7	1377.2	1572.0	1620.7	1125.9	1014.9	1644.1	12907.1	30388.0	31687.3
77.5°	1083.1	1069.4	1168.8	1346.0	907.7	787.0	1011.0	8187.2	22900.1	23128.0
80°	812.3	773.3	864.9	1042.2	707.1	574.6	685.7	4774.4	14475.2	13121.4
82.5°	508.4	488.9	564.9	695.4	498.7	395.4	446.1	2637.5	5801.0	3416.7
85°	290.2	282.5	307.8	397.4	270.8	227.9	255.2	1164.9	1059.7	728.5
87.5°	116.9	113.0	140.3	177.3	99.3	83.8	89.6	280.5	233.8	216.2
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°
7392.5	0°	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5	7392.5
7421.7	2.5°	7413.9	7413.9	7386.6	7343.8	7295.1	7263.9	7213.3	7199.6	7147.0	7131.4
7487.9	5°	7503.5	7487.9	7404.2	7283.4	7117.8	6965.9	6798.3	6693.2	6545.1	6492.5
7618.4	7.5°	7616.5	7573.6	7429.5	7164.6	6817.8	6476.9	6122.4	5853.6	5596.5	5504.9
7725.6	10°	7719.7	7659.3	7413.9	6950.3	6350.3	5760.1	5195.2	4799.7	4499.8	4377.0
7844.4	12.5°	7823.0	7711.9	7310.7	6593.8	5686.1	4885.5	4283.5	3975.8	3790.7	3642.7
7941.8	15°	7920.4	7764.5	7150.9	6116.6	4957.5	4145.2	3701.1	3455.7	3307.6	3210.2
8084.0	17.5°	8033.3	7809.3	6911.3	5510.7	4264.1	3632.9	3270.6	3122.6	3093.3	3081.7
8278.8	20°	8191.1	7850.2	6595.8	4832.9	3753.7	3223.9	3036.9	3023.2	3021.3	3015.4
8512.5	22.5°	8360.6	7898.9	6178.9	4217.3	3319.3	2968.7	2935.6	2908.3	2890.8	2888.8
8795.0	25°	8561.2	7914.5	5656.8	3712.8	2949.2	2847.9	2808.9	2768.0	2756.3	2756.3
9116.4	27.5°	8756.0	7861.9	5049.1	3274.5	2740.8	2736.9	2686.2	2672.6	2670.6	2676.5
9482.6	30°	8950.8	7762.6	4445.2	2869.3	2620.0	2620.0	2602.5	2612.2	2620.0	2639.5
9985.2	32.5°	9213.8	7657.4	3940.7	2569.3	2514.8	2495.3	2512.9	2532.3	2540.1	2565.4
10645.5	35°	9599.5	7583.4	3539.4	2405.7	2405.7	2380.4	2390.1	2386.2	2368.7	2357.0
11444.2	37.5°	10109.9	7579.5	3208.3	2329.7	2314.2	2310.3	2312.2	2286.9	2218.7	2136.9
12410.4	40°	10723.5	7684.7	2953.1	2277.2	2265.5	2288.8	2277.2	2209.0	2022.0	1879.8
13598.6	42.5°	11547.4	7984.6	2789.5	2212.9	2247.9	2277.2	2230.4	1994.7	1868.1	1772.6
14952.5	45°	12517.5	8471.6	2705.7	2144.7	2214.8	2249.9	2023.9	1920.7	1819.4	1704.5
16429.0	47.5°	13616.2	9085.2	2686.2	2080.4	2140.8	2162.2	1936.3	1889.5	1774.6	1649.9
17913.3	50°	14812.2	9811.8	2738.8	2004.4	2033.7	1959.6	1907.0	1864.2	1745.4	1622.6
19434.7	52.5°	16049.2	10612.4	2844.0	1901.2	1926.5	1844.7	1895.4	1858.3	1727.8	1562.3
21006.7	55°	17264.7	11418.9	2945.3	1780.4	1817.4	1741.5	1862.2	1835.0	1648.0	1461.0
22683.9	57.5°	18499.7	12221.4	3044.6	1673.3	1712.2	1642.1	1809.6	1772.6	1558.4	1367.5
24514.9	60°	19783.4	13000.6	3091.4	1570.0	1597.3	1550.6	1729.8	1665.5	1457.1	1272.0
26314.9	62.5°	20985.3	13649.3	3015.4	1466.8	1484.3	1464.9	1624.6	1538.9	1355.8	1164.9
28190.7	65°	22191.0	14035.0	2781.7	1365.5	1369.4	1359.7	1476.5	1402.5	1236.9	1071.4
29832.9	67.5°	23283.8	14251.2	2409.6	1256.4	1246.7	1242.8	1338.2	1254.5	1122.0	977.9
31081.5	70°	23515.6	13701.9	1840.8	1127.9	1127.9	1118.1	1186.3	1100.6	995.4	878.5
30187.4	72.5°	21478.1	11526.0	1307.1	981.8	997.4	977.9	1034.4	962.3	866.8	788.9
26016.8	75°	17319.2	8452.2	950.6	831.8	859.0	825.9	878.5	827.9	746.1	744.1
17928.9	77.5°	11900.0	5226.3	689.6	685.7	705.2	662.3	722.7	695.4	621.4	588.3
7803.5	80°	5078.3	2084.3	502.6	529.8	529.8	490.9	561.0	568.8	504.5	488.9
1505.8	82.5°	1011.0	592.2	352.6	364.3	342.8	331.2	397.4	440.2	607.8	675.9
453.9	85°	303.9	218.2	212.3	198.7	175.3	177.3	233.8	442.2	545.4	311.7
150.0	87.5°	83.8	54.5	56.5	44.8	37.0	48.7	79.9	335.0	183.1	77.9
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>
7392.5
7156.8
6531.5
5516.6
4404.3
3691.4
3227.8
3089.4
3034.9
2910.2
2768.0
2692.1
2653.1
2586.9
2384.3
2138.8
1875.9
1768.7
1696.7
1640.2
1609.0
1550.6
1451.2
1363.6
1266.2
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1059.7
966.2
874.6
765.5
670.1
551.3
488.9
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268.8
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