

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: P952398

Luminaire Tested: **GALN-SB6B-735-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-735-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33373 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

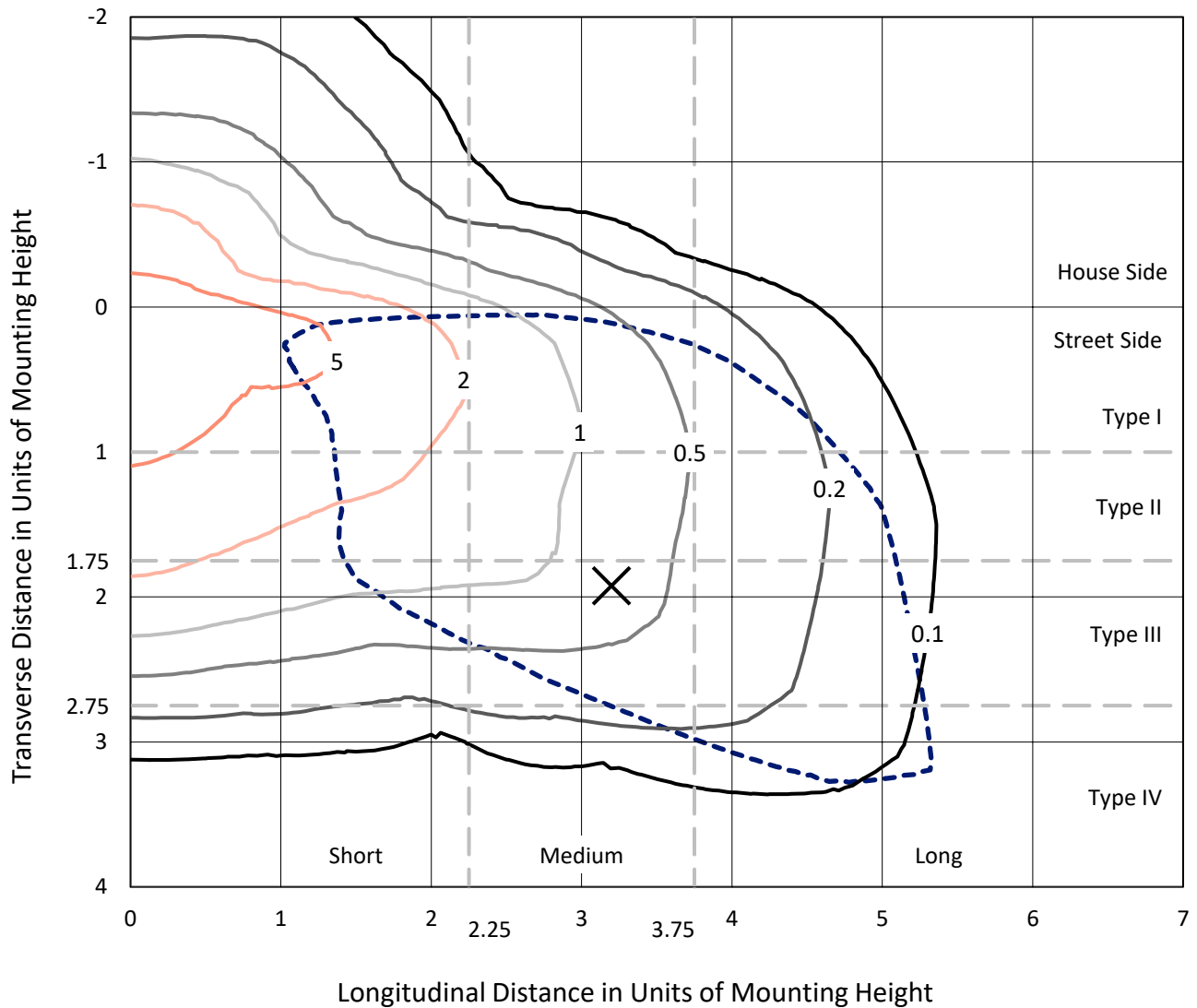
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

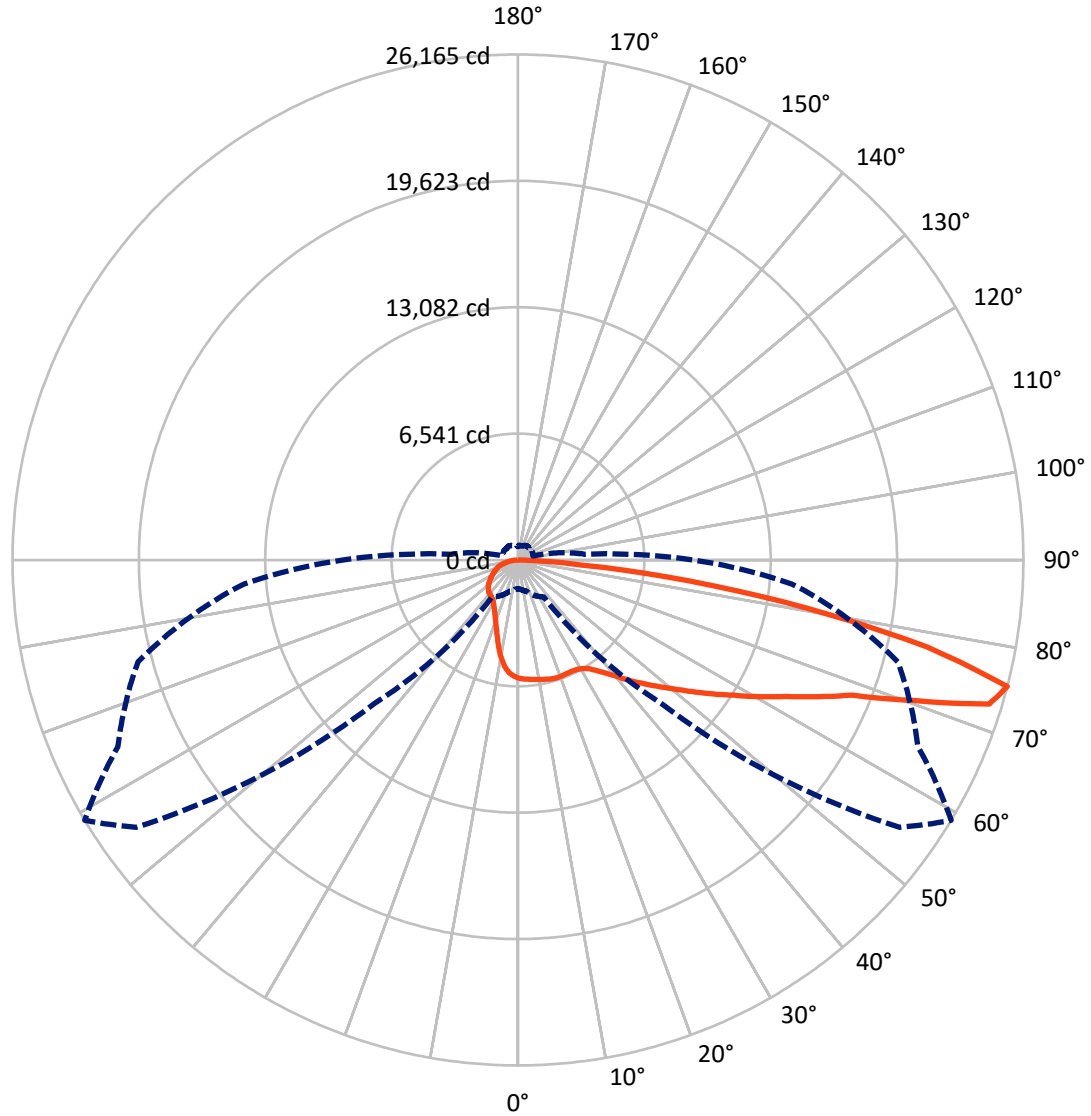
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6259.3	0.0	6259.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	27113.7	0.0	27113.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	33373.0	0.0	33373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.3	1.6
10°-20°	1403.9	4.2
20°-30°	2132.5	6.4
30°-40°	3169.8	9.5
40°-50°	4714.1	14.1
50°-60°	6398.8	19.2
60°-70°	7811.9	23.4
70°-80°	6130.7	18.4
80°-90°	1062.0	3.2
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°	33373.0	100.0
0°-180°	33373.0	100.0

Coefficient of Utilization



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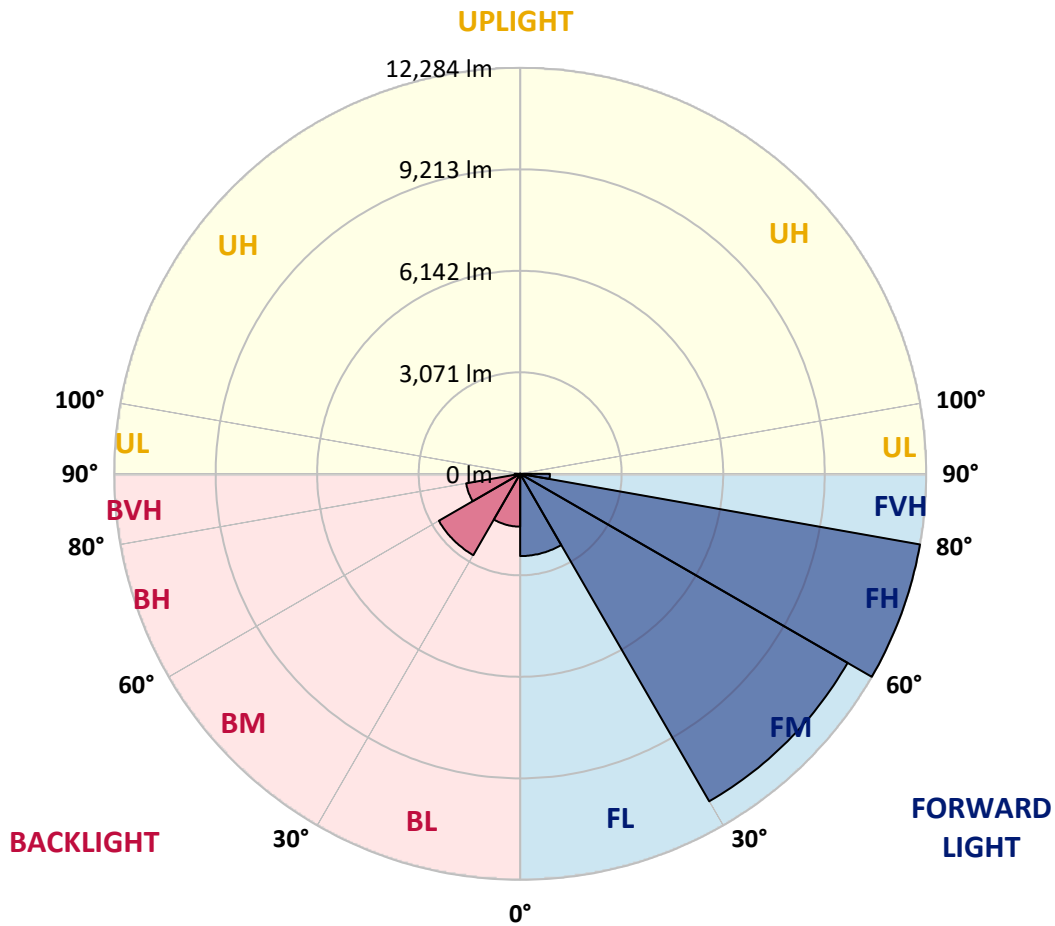
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2488.3	7.5			
FM (30°-60°)	11441.6	34.3			
FH (60°-80°)	12284.3	36.8			G5
FVH (80°-90°)	899.4	2.7			G5
BL (0°-30°)	1597.3	4.8	B3/2500		
BM (30°-60°)	2841.1	8.5	B3/5000		
BH (60°-80°)	1658.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	162.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5
2.5°	6177.6	6156.1	6177.6	6168.6	6165.0	6157.9	6159.7	6172.2	6165.0	6174.0
5°	6136.3	6123.7	6145.3	6139.9	6163.2	6166.8	6190.2	6204.5	6213.5	6215.3
7.5°	6068.1	6055.5	6086.0	6111.2	6161.4	6175.8	6224.3	6247.6	6260.2	6281.7
10°	5818.5	5813.2	5888.6	5983.7	6102.2	6175.8	6249.4	6288.9	6308.7	6366.1
12.5°	5376.9	5384.1	5482.8	5665.9	5902.9	6139.9	6278.1	6335.6	6366.1	6437.9
15°	4955.0	4953.2	5060.9	5256.6	5588.7	5981.9	6292.5	6391.2	6443.3	6549.2
17.5°	4710.8	4703.7	4779.1	4928.1	5236.9	5739.6	6256.6	6421.8	6533.1	6665.9
20°	4666.0	4651.6	4691.1	4764.7	4983.7	5473.8	6163.2	6421.8	6604.9	6777.2
22.5°	4829.3	4806.0	4789.8	4780.9	4877.8	5254.8	6057.3	6400.2	6710.8	6937.0
25°	5157.9	5122.0	5039.4	4958.6	4929.9	5156.1	5964.0	6394.8	6868.8	7152.4
27.5°	5689.3	5644.4	5477.4	5283.5	5109.4	5206.3	5922.7	6427.1	7042.9	7380.4
30°	6348.2	6299.7	6089.6	5791.6	5479.2	5393.1	5974.7	6522.3	7265.6	7683.9
32.5°	6938.8	6884.9	6705.4	6402.0	5980.1	5716.2	6139.9	6703.6	7615.6	8105.7
35°	7463.0	7400.2	7238.6	6958.6	6594.1	6170.4	6437.9	7025.0	8112.9	8791.5
37.5°	7976.5	7902.9	7726.9	7430.7	7175.8	6775.4	6849.0	7437.9	8773.6	9624.6
40°	8551.0	8445.1	8231.4	7938.8	7691.0	7484.6	7389.4	7944.2	9445.0	10554.5
42.5°	9107.5	9007.0	8752.1	8502.5	8191.9	8132.7	8016.0	8536.6	10179.3	11576.0
45°	9707.1	9586.9	9278.1	8962.1	8766.4	8563.5	8622.8	9129.1	10899.2	12617.3
47.5°	10269.1	10134.4	9770.0	9418.1	9310.4	8926.2	9179.3	9780.8	11647.9	13673.0
50°	10572.5	10439.6	10136.2	9818.5	9734.1	9373.2	9782.6	10497.1	12432.4	14725.0
52.5°	10825.6	10682.0	10285.2	10109.3	10084.2	9859.7	10525.8	11315.7	13216.9	15655.0
55°	11094.9	10935.1	10428.9	10270.9	10385.8	10405.5	11407.3	12243.9	14046.4	16561.6
57.5°	11405.5	11202.6	10567.1	10407.3	10680.2	11044.6	12419.8	13206.2	14861.4	17401.8
60°	11698.1	11493.5	10832.8	10624.5	10998.0	11786.1	13581.4	14371.3	15784.2	18150.4
62.5°	11755.6	11586.8	11044.6	11042.8	11428.8	12651.4	14956.6	15547.2	16590.3	18890.1
65°	10761.0	10655.1	10333.7	11026.7	12046.4	13897.4	16488.0	17051.7	17615.4	19536.4
67.5°	8190.1	8204.5	8181.2	9518.6	11547.3	15687.3	18705.2	18662.1	18881.1	20261.7
70°	3745.0	3829.4	4378.7	6570.8	9251.1	15893.7	22371.1	21812.8	20469.9	21200.6
72.5°	2023.3	2087.9	2312.3	3183.1	5561.8	14130.8	25110.8	25507.5	22583.0	21832.6
75°	1484.7	1520.6	1676.8	2023.3	2335.7	10502.5	24128.7	26164.6	22846.9	20358.6
77.5°	1111.3	1127.4	1254.9	1603.2	1195.7	5536.7	19279.7	21669.2	19557.9	16726.7
80°	806.1	824.0	919.2	1202.8	838.4	2025.1	13238.5	15209.7	13394.7	10662.2
82.5°	556.5	563.7	605.0	818.7	585.3	786.3	7511.5	8919.0	7477.4	3741.4
85°	335.7	344.7	362.6	477.5	332.1	373.4	3242.3	3353.6	2235.1	894.1
87.5°	138.2	147.2	161.6	201.1	131.1	104.1	535.0	671.4	418.3	262.1
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°
6125.5	0°	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5	6125.5
6143.5	2.5°	6134.5	6121.9	6087.8	6041.2	5998.1	5944.2	5920.9	5901.1	5883.2	5849.1
6192.0	5°	6172.2	6138.1	6046.5	5928.1	5793.4	5646.2	5502.6	5403.8	5319.5	5256.6
6247.6	7.5°	6229.7	6165.0	5998.1	5755.7	5446.9	5130.9	4845.5	4642.6	4490.0	4434.4
6326.6	10°	6288.9	6211.7	5920.9	5493.6	4960.4	4473.9	4095.1	3886.8	3764.7	3725.2
6420.0	12.5°	6358.9	6245.8	5800.6	5129.2	4416.4	3883.2	3552.9	3430.8	3368.0	3346.4
6534.9	15°	6461.3	6274.5	5619.3	4673.1	3897.6	3452.3	3238.7	3154.3	3122.0	3120.2
6653.4	17.5°	6538.5	6279.9	5337.4	4184.8	3499.0	3192.0	3016.1	2983.8	3005.3	3037.6
6770.0	20°	6624.6	6231.5	4967.6	3739.6	3219.0	2964.0	2890.4	2912.0	2964.0	3010.7
6924.4	22.5°	6685.7	6143.5	4520.5	3393.1	2976.6	2833.0	2829.4	2874.3	2903.0	2926.3
7105.8	25°	6739.5	5994.5	4046.6	3102.3	2777.3	2754.0	2793.5	2779.1	2759.4	2779.1
7287.1	27.5°	6779.0	5759.3	3622.9	2847.3	2637.3	2700.1	2676.8	2644.5	2642.7	2653.4
7500.7	30°	6766.5	5445.1	3274.6	2605.0	2538.5	2599.6	2543.9	2538.5	2533.2	2538.5
7822.1	32.5°	6766.5	5087.9	3007.1	2438.0	2475.7	2452.4	2447.0	2434.4	2412.9	2411.1
8258.3	35°	6804.2	4730.6	2777.3	2348.2	2423.6	2368.0	2371.6	2341.1	2296.2	2274.6
8836.4	37.5°	6881.4	4443.4	2549.3	2305.2	2332.1	2330.3	2315.9	2263.9	2184.9	2116.7
9558.1	40°	7068.1	4359.0	2393.1	2285.4	2289.0	2310.5	2272.8	2172.3	1992.8	1881.5
10290.6	42.5°	7360.7	4500.8	2359.0	2236.9	2260.3	2281.8	2208.2	1974.8	1847.4	1780.9
11059.0	45°	7732.3	4748.6	2432.6	2166.9	2192.1	2229.8	2010.7	1899.4	1842.0	1843.8
11820.2	47.5°	8202.7	5008.9	2569.1	2105.9	2093.3	2114.9	1879.7	1811.5	1732.5	1752.2
12550.9	50°	8746.7	5272.8	2698.3	2023.3	1983.8	1913.8	1795.3	1730.7	1630.1	1583.4
13256.4	52.5°	9335.5	5527.7	2750.4	1922.8	1865.3	1784.5	1737.8	1658.9	1536.8	1459.6
13922.5	55°	9893.9	5759.3	2692.9	1802.5	1746.8	1684.0	1676.8	1628.3	1497.3	1389.6
14514.9	57.5°	10421.7	5953.2	2549.3	1680.4	1626.5	1588.8	1637.3	1614.0	1448.8	1310.6
15075.1	60°	10868.7	6086.0	2341.1	1556.5	1518.8	1499.1	1572.7	1565.5	1380.6	1226.2
15577.8	62.5°	11224.2	6138.1	2111.3	1438.0	1429.1	1393.1	1482.9	1482.9	1294.4	1143.6
16019.4	65°	11502.4	6087.8	1877.9	1321.3	1339.3	1285.4	1373.4	1362.6	1202.8	1070.0
16527.5	67.5°	11748.4	5922.7	1619.4	1206.4	1247.7	1179.5	1258.5	1233.4	1102.3	996.4
16967.3	70°	11857.9	5538.5	1324.9	1091.5	1141.8	1075.4	1143.6	1096.9	989.2	917.4
16484.4	72.5°	10978.2	4603.1	1043.1	971.3	1014.3	960.5	1019.7	965.9	867.1	834.8
14234.9	75°	9082.4	3454.1	802.5	840.2	872.5	831.2	870.7	831.2	741.5	764.8
10515.0	77.5°	6595.9	2332.1	614.0	702.0	716.3	694.8	728.9	684.0	603.2	597.8
5240.5	80°	3280.0	1366.2	481.1	554.7	549.4	535.0	574.5	553.0	484.7	513.5
1414.7	82.5°	949.7	585.3	350.1	389.6	378.8	382.4	411.1	421.9	631.9	626.6
439.8	85°	298.0	229.8	210.0	217.2	206.5	211.8	242.4	481.1	445.2	260.3
136.4	87.5°	77.2	79.0	52.1	55.7	57.4	68.2	77.2	292.6	140.0	91.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
6125.5
5832.9
5204.6
4337.4
3664.2
3351.8
3127.4
3050.2
3026.9
2938.9
2791.7
2671.4
2558.3
2434.4
2296.2
2140.0
1895.8
1780.9
1852.7
1802.5
1596.0
1457.8
1389.6
1303.4
1220.8
1138.2
1062.8
989.2
903.0
807.9
698.4
570.9
508.1
640.9
281.9
96.9
0.0

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