

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: P952440

Luminaire Tested: **GALN-SB6B-750-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952440
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-750-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 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: 35308 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

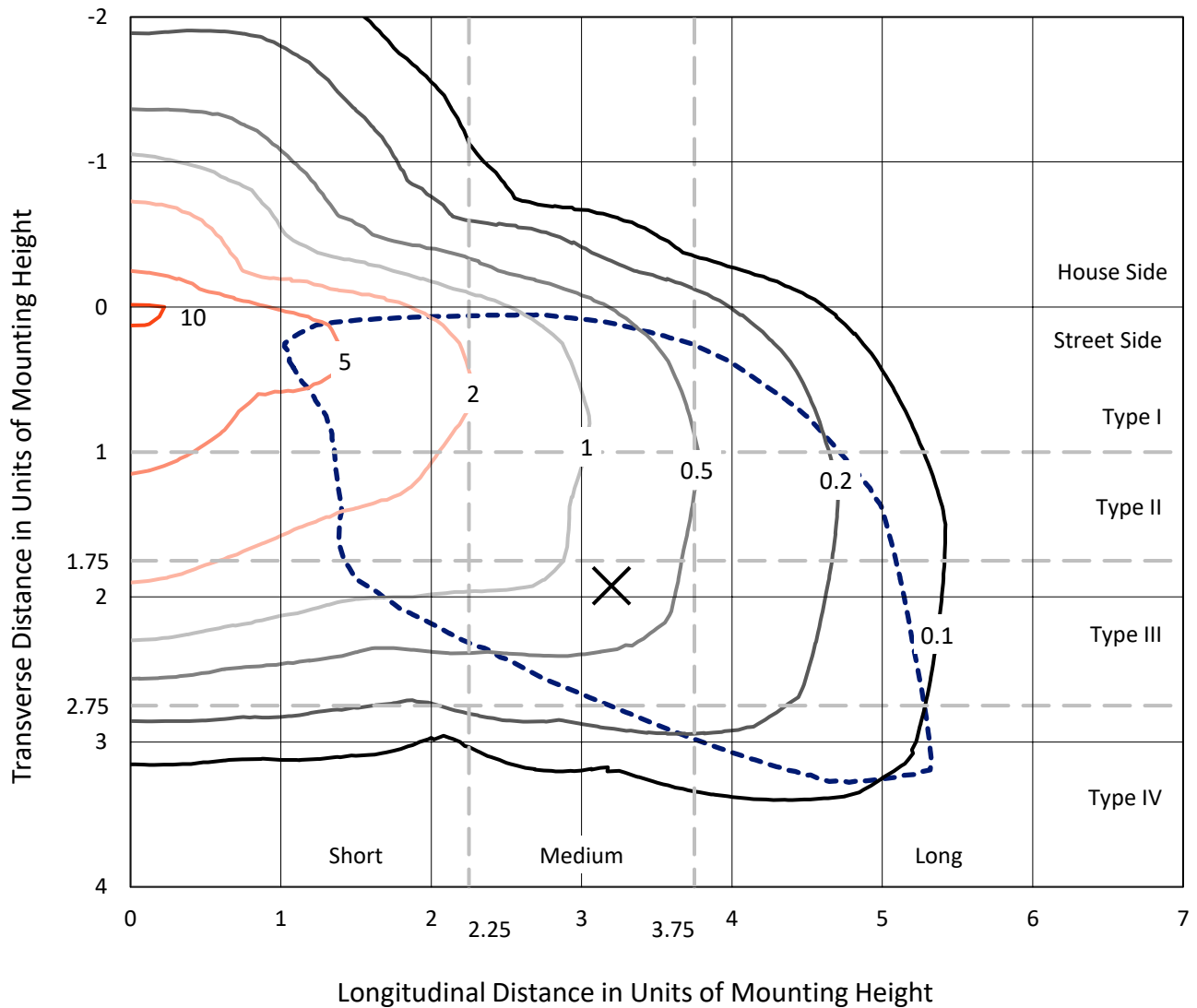
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

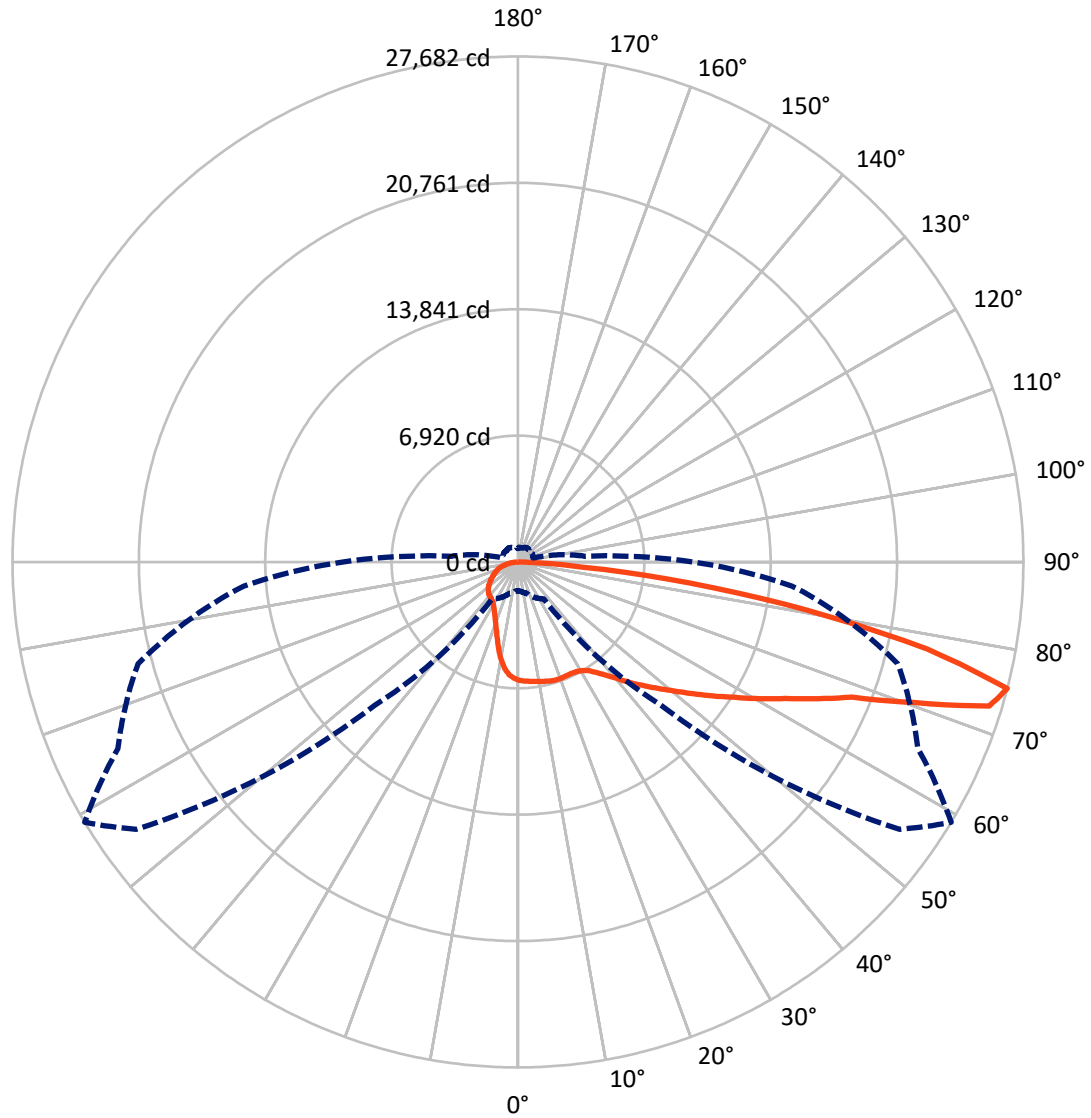
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	6622.3	0.0	6622.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	28685.7	0.0	28685.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	35308.0	0.0	35308.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.1	1.6
10°-20°	1485.3	4.2
20°-30°	2256.1	6.4
30°-40°	3353.6	9.5
40°-50°	4987.4	14.1
50°-60°	6769.8	19.2
60°-70°	8264.9	23.4
70°-80°	6486.2	18.4
80°-90°	1123.6	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°	35308.0	100.0
0°-180°	35308.0	100.0

Coefficient of Utilization



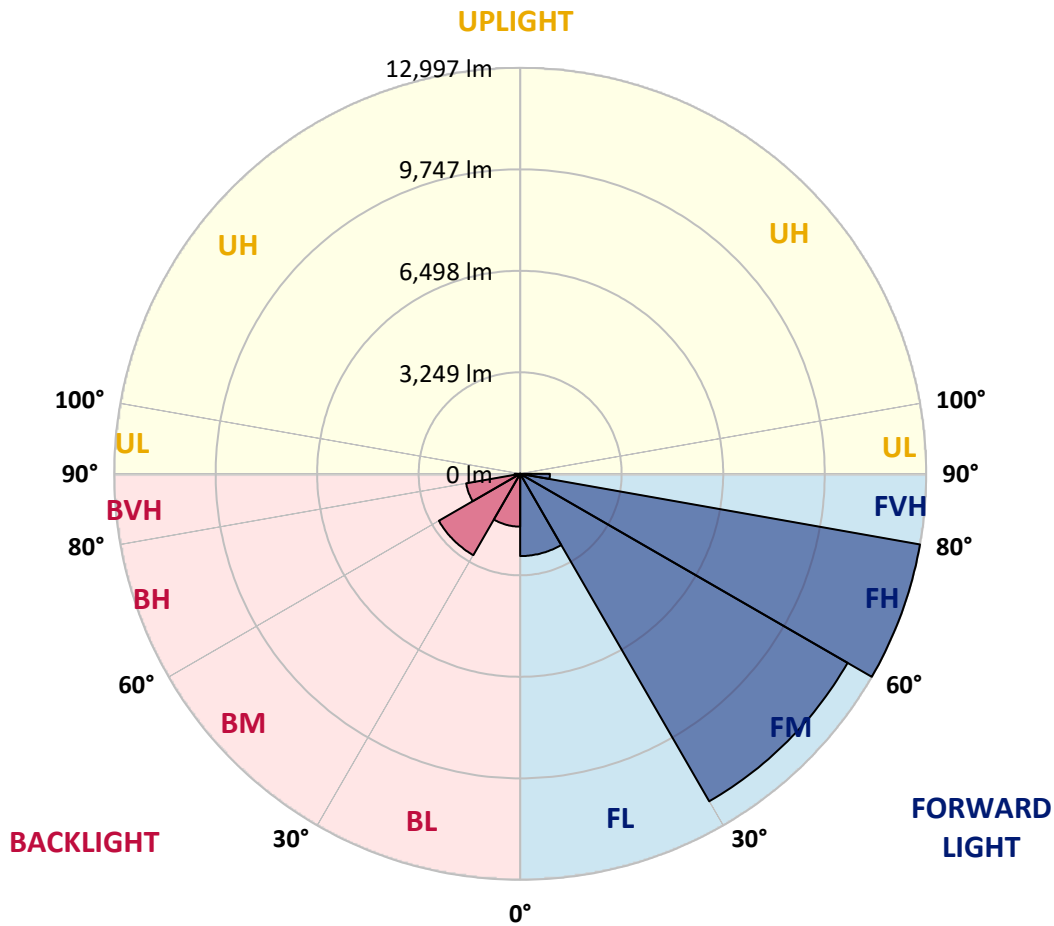
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2632.6	7.5			
FM (30°-60°)	12105.0	34.3			
FH (60°-80°)	12996.5	36.8			G5
FVH (80°-90°)	951.6	2.7			G5
BL (0°-30°)	1689.9	4.8	B3/2500		
BM (30°-60°)	3005.8	8.5	B3/5000		
BH (60°-80°)	1754.5	5.0	B3/2500		G3/2500
BVH (80°-90°)	172.0	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°	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7
2.5°	6535.8	6513.0	6535.8	6526.3	6522.5	6514.9	6516.8	6530.1	6522.5	6532.0
5°	6492.1	6478.8	6501.6	6495.9	6520.6	6524.4	6549.1	6564.3	6573.8	6575.7
7.5°	6419.9	6406.6	6438.9	6465.5	6518.7	6533.9	6585.2	6609.9	6623.2	6646.0
10°	6155.9	6150.2	6230.0	6330.7	6456.0	6533.9	6611.8	6653.5	6674.4	6735.2
12.5°	5688.7	5696.3	5800.7	5994.5	6245.2	6495.9	6642.2	6702.9	6735.2	6811.2
15°	5242.3	5240.4	5354.4	5561.4	5912.8	6328.8	6657.3	6761.8	6816.9	6929.0
17.5°	4984.0	4976.4	5056.2	5213.8	5540.5	6072.3	6619.4	6794.1	6911.9	7052.4
20°	4936.5	4921.3	4963.1	5041.0	5272.7	5791.2	6520.6	6794.1	6987.8	7170.2
22.5°	5109.3	5084.7	5067.6	5058.1	5160.6	5559.5	6408.5	6771.3	7099.9	7339.2
25°	5456.9	5418.9	5331.6	5246.1	5215.7	5455.0	6309.8	6765.6	7267.1	7567.2
27.5°	6019.2	5971.7	5795.0	5589.9	5405.7	5508.2	6266.1	6799.8	7451.3	7808.4
30°	6716.2	6664.9	6442.7	6127.4	5796.9	5705.8	6321.2	6900.5	7686.8	8129.4
32.5°	7341.1	7284.1	7094.2	6773.2	6326.9	6047.6	6495.9	7092.3	8057.2	8575.7
35°	7895.7	7829.3	7658.3	7362.0	6976.4	6528.2	6811.2	7432.3	8583.3	9301.3
37.5°	8439.0	8361.1	8175.0	7861.6	7591.8	7168.3	7246.2	7869.2	9282.3	10182.6
40°	9046.8	8934.7	8708.7	8399.1	8137.0	7918.5	7817.9	8404.8	9992.7	11166.5
42.5°	9635.6	9529.2	9259.5	8995.5	8666.9	8604.2	8480.8	9031.6	10769.5	12247.2
45°	10270.0	10142.7	9816.0	9481.7	9274.7	9060.1	9122.8	9658.4	11531.2	13348.9
47.5°	10864.5	10722.0	10336.5	9964.2	9850.2	9443.7	9711.6	10347.9	12323.2	14465.7
50°	11185.5	11044.9	10723.9	10387.7	10298.5	9916.7	10349.8	11105.7	13153.2	15578.8
52.5°	11453.3	11301.3	10881.6	10695.4	10668.9	10431.4	11136.1	11971.8	13983.3	16562.6
55°	11738.2	11569.2	11033.5	10866.4	10987.9	11008.8	12068.7	12953.8	14860.8	17521.8
57.5°	12066.8	11852.2	11179.8	11010.7	11299.4	11685.0	13140.0	13971.9	15723.1	18410.7
60°	12376.4	12159.9	11460.9	11240.6	11635.6	12469.5	14368.9	15204.6	16699.4	19202.8
62.5°	12437.2	12258.6	11685.0	11683.1	12091.5	13385.0	15823.8	16448.7	17552.2	19985.3
65°	11384.9	11272.9	10932.9	11666.0	12744.9	14703.1	17444.0	18040.4	18636.8	20669.1
67.5°	8665.0	8680.2	8655.5	10070.5	12216.9	16596.8	19789.7	19744.1	19975.8	21436.5
70°	3962.1	4051.4	4632.6	6951.8	9787.5	16815.3	23668.2	23077.5	21656.8	22429.8
72.5°	2140.6	2209.0	2446.4	3367.6	5884.3	14950.1	26566.7	26986.5	23892.4	23098.4
75°	1570.8	1608.8	1774.0	2140.6	2471.1	11111.4	25527.7	27681.7	24171.6	21539.0
77.5°	1175.7	1192.8	1327.7	1696.2	1265.0	5857.7	20397.5	22925.6	20691.9	17696.6
80°	852.8	871.8	972.5	1272.6	887.0	2142.5	14006.1	16091.6	14171.3	11280.5
82.5°	588.8	596.4	640.1	866.1	619.2	831.9	7947.0	9436.1	7910.9	3958.3
85°	355.2	364.7	383.7	505.2	351.4	395.1	3430.3	3548.1	2364.7	945.9
87.5°	146.3	155.7	170.9	212.7	138.7	110.2	566.0	710.4	442.6	277.3
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°
6480.7	0°	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7	6480.7
6499.7	2.5°	6490.2	6476.9	6440.8	6391.4	6345.8	6288.9	6264.2	6243.3	6224.3	6188.2
6551.0	5°	6530.1	6494.0	6397.1	6271.8	6129.3	5973.6	5821.6	5717.2	5627.9	5561.4
6609.9	7.5°	6590.9	6522.5	6345.8	6089.4	5762.7	5428.4	5126.4	4911.8	4750.4	4691.5
6693.4	10°	6653.5	6571.9	6264.2	5812.1	5248.0	4733.3	4332.5	4112.2	3983.0	3941.2
6792.2	12.5°	6727.6	6608.0	6136.9	5426.5	4672.5	4108.4	3758.9	3629.7	3563.2	3540.5
6913.8	15°	6835.9	6638.4	5945.1	4944.1	4123.6	3652.5	3426.5	3337.2	3303.0	3301.1
7039.1	17.5°	6917.6	6644.1	5646.9	4427.5	3701.9	3377.1	3191.0	3156.8	3179.6	3213.8
7162.6	20°	7008.7	6592.8	5255.6	3956.4	3405.6	3135.9	3058.0	3080.8	3135.9	3185.3
7325.9	22.5°	7073.3	6499.7	4782.7	3589.8	3149.2	2997.2	2993.4	3040.9	3071.3	3096.0
7517.8	25°	7130.3	6342.0	4281.2	3282.1	2938.4	2913.7	2955.4	2940.2	2919.4	2940.2
7709.6	27.5°	7172.1	6093.2	3833.0	3012.4	2790.2	2856.7	2832.0	2797.8	2795.9	2807.3
7935.6	30°	7158.8	5760.8	3464.5	2756.0	2685.7	2750.3	2691.4	2685.7	2680.0	2685.7
8275.6	32.5°	7158.8	5382.9	3181.5	2579.4	2619.3	2594.6	2588.9	2575.6	2552.8	2550.9
8737.2	35°	7198.7	5004.9	2938.4	2484.4	2564.2	2505.3	2509.1	2476.8	2429.3	2406.5
9348.8	37.5°	7280.3	4701.0	2697.1	2438.8	2467.3	2465.4	2450.2	2395.1	2311.6	2239.4
10112.3	40°	7477.9	4611.7	2531.9	2417.9	2421.7	2444.5	2404.6	2298.3	2108.3	1990.6
10887.3	42.5°	7787.5	4761.8	2495.8	2366.6	2391.3	2414.1	2336.2	2089.3	1954.5	1884.2
11700.2	45°	8180.7	5023.9	2573.7	2292.6	2319.2	2359.0	2127.3	2009.6	1948.8	1950.7
12505.6	47.5°	8678.3	5299.3	2718.0	2228.0	2214.7	2237.5	1988.7	1916.5	1832.9	1853.8
13278.6	50°	9253.8	5578.5	2854.8	2140.6	2098.8	2024.7	1899.4	1831.0	1724.6	1675.3
14025.1	52.5°	9876.8	5848.2	2909.9	2034.2	1973.5	1888.0	1838.6	1755.0	1625.9	1544.2
14729.7	55°	10467.5	6093.2	2849.1	1907.0	1848.1	1781.6	1774.0	1722.7	1584.1	1470.1
15356.5	57.5°	11025.9	6298.4	2697.1	1777.8	1720.8	1681.0	1732.2	1707.5	1532.8	1386.6
15949.1	60°	11498.9	6438.9	2476.8	1646.8	1606.9	1586.0	1663.9	1656.3	1460.6	1297.3
16481.0	62.5°	11875.0	6494.0	2233.7	1521.4	1511.9	1473.9	1568.9	1568.9	1369.5	1209.9
16948.2	65°	12169.4	6440.8	1986.8	1397.9	1416.9	1360.0	1453.0	1441.6	1272.6	1132.0
17485.7	67.5°	12429.6	6266.1	1713.2	1276.4	1320.1	1247.9	1331.5	1304.9	1166.2	1054.2
17951.1	70°	12545.4	5859.6	1401.7	1154.8	1208.0	1137.7	1209.9	1160.5	1046.6	970.6
17440.2	72.5°	11614.7	4870.0	1103.5	1027.6	1073.2	1016.2	1078.9	1021.9	917.4	883.2
15060.2	75°	9609.0	3654.4	849.0	888.9	923.1	879.4	921.2	879.4	784.4	809.1
11124.7	77.5°	6978.3	2467.3	649.6	742.7	757.9	735.1	771.2	723.7	638.2	632.5
5544.3	80°	3470.2	1445.4	509.0	586.9	581.2	566.0	607.8	585.0	512.8	543.2
1496.7	82.5°	1004.8	619.2	370.4	412.2	400.8	404.6	435.0	446.4	668.6	662.9
465.3	85°	315.3	243.1	222.2	229.8	218.4	224.1	256.4	509.0	471.0	275.4
144.4	87.5°	81.7	83.6	55.1	58.9	60.8	72.2	81.7	309.6	148.2	96.9
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>
6480.7
6171.1
5506.3
4588.9
3876.6
3546.2
3308.7
3227.1
3202.4
3109.3
2953.5
2826.3
2706.6
2575.6
2429.3
2264.1
2005.8
1884.2
1960.2
1907.0
1688.6
1542.3
1470.1
1379.0
1291.6
1204.2
1124.4
1046.6
955.4
854.7
738.9
604.0
537.5
678.1
298.2
102.6
0.0

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