

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: P952417

Luminaire Tested: **GALN-SB6B-740-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952417
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-SB6B-740-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35908 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

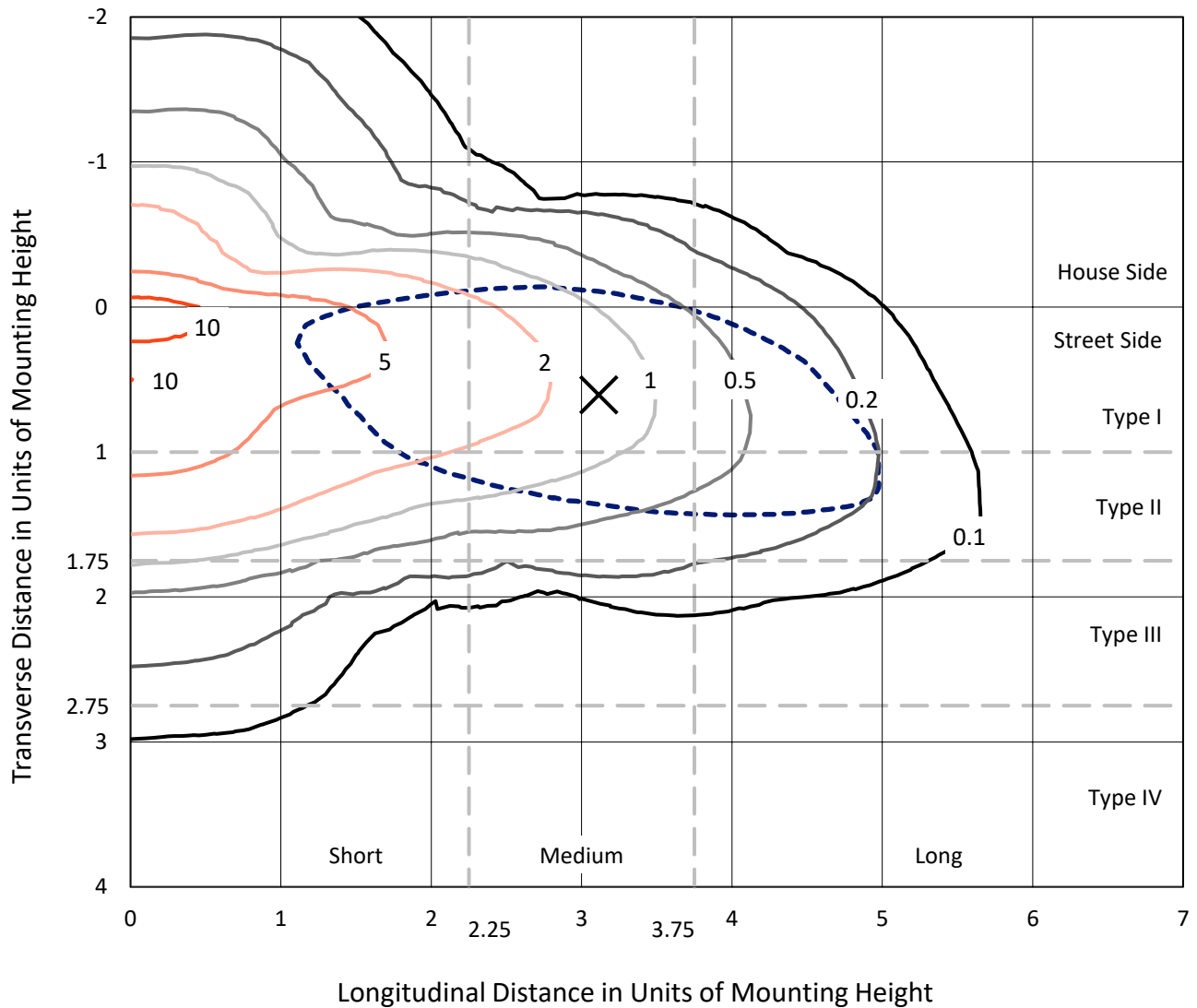
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

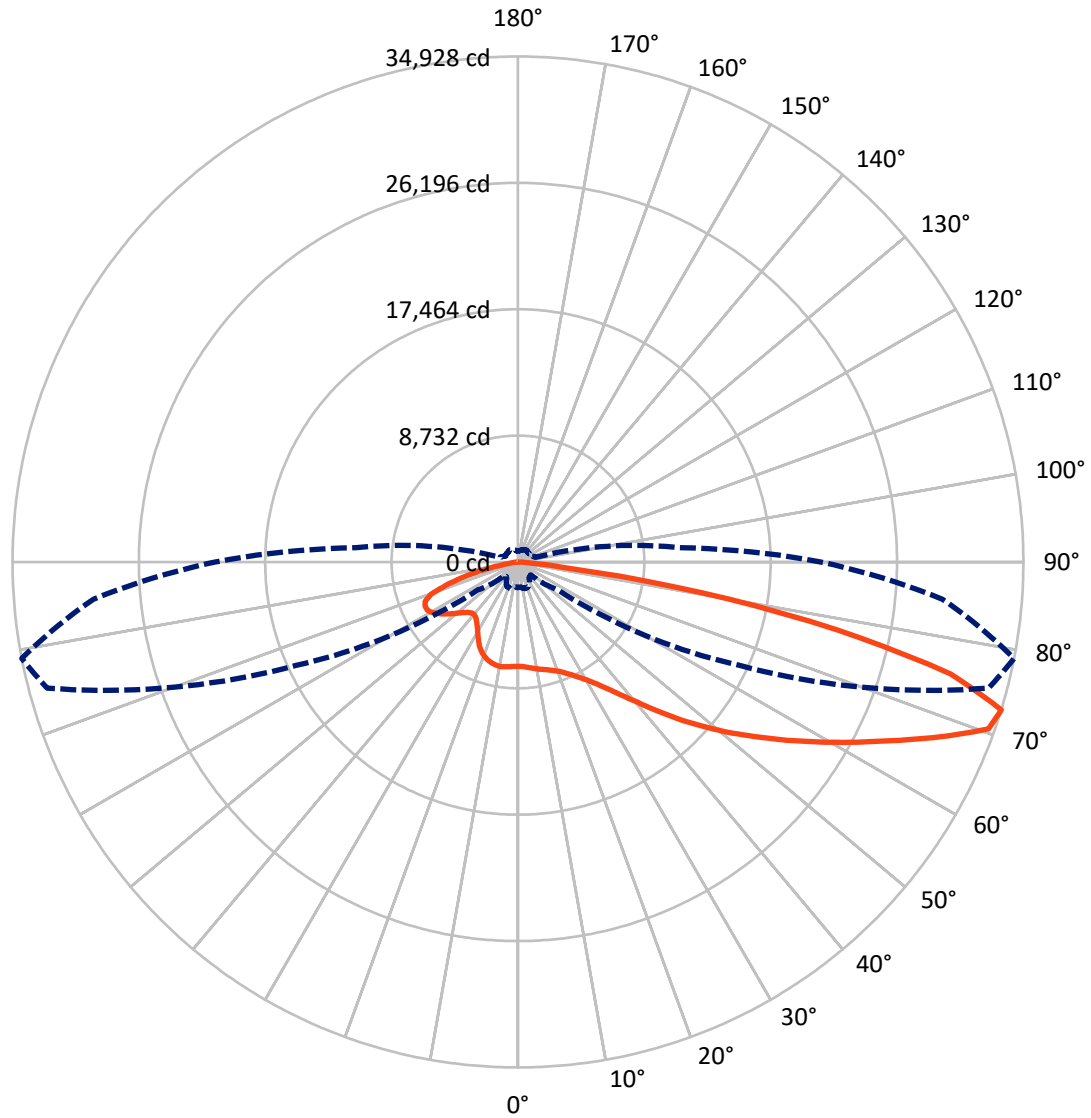
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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
House Side	Lumens	7901.7	0.0	7901.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	28006.3	0.0	28006.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	35908.0	0.0	35908.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.3	1.8
10°-20°	1710.7	4.8
20°-30°	2760.3	7.7
30°-40°	4142.8	11.5
40°-50°	5876.8	16.4
50°-60°	7421.6	20.7
60°-70°	7537.7	21.0
70°-80°	5137.3	14.3
80°-90°	666.5	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°	35908.0	100.0
0°-180°	35908.0	100.0



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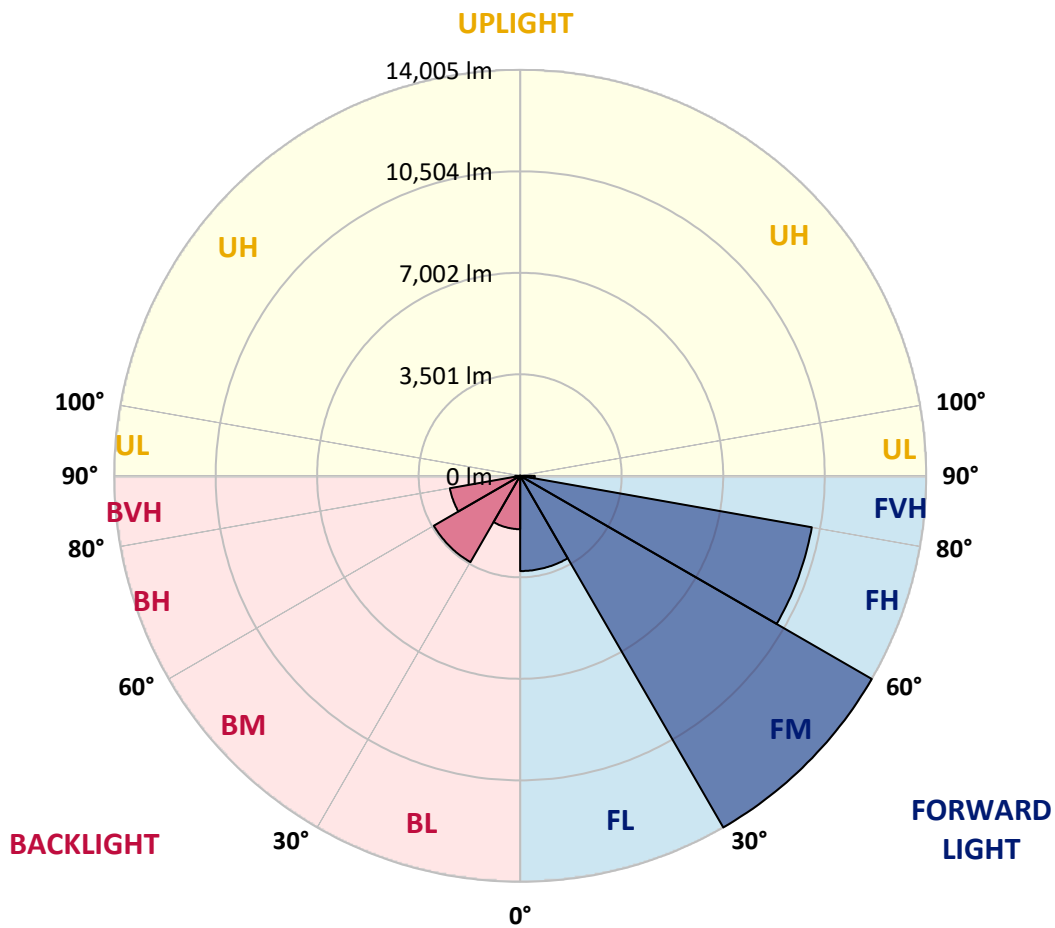
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3284.7	9.1			
FM (30°-60°)	14004.9	39.0			
FH (60°-80°)	10214.6	28.4			G4/12000
FVH (80°-90°)	502.1	1.4			G4/750
BL (0°-30°)	1840.5	5.1	B3/2500		
BM (30°-60°)	3436.4	9.6	B3/5000		
BH (60°-80°)	2460.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	164.4	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2
2.5°	7212.0	7177.8	7198.7	7191.1	7200.6	7212.0	7215.8	7221.5	7240.5	7238.6
5°	7196.8	7162.6	7191.1	7181.6	7206.3	7232.9	7255.7	7276.6	7307.0	7320.3
7.5°	7164.5	7141.7	7170.2	7198.7	7244.3	7284.2	7316.5	7363.9	7407.6	7415.2
10°	6976.5	6959.4	7025.8	7099.9	7225.3	7333.5	7403.8	7458.9	7506.4	7514.0
12.5°	6780.8	6759.9	6834.0	6934.7	7137.9	7333.5	7481.7	7553.9	7595.7	7620.4
15°	6748.5	6731.4	6773.2	6860.6	7029.6	7282.3	7534.9	7667.8	7703.9	7732.4
17.5°	6904.3	6872.0	6889.1	6919.5	7018.3	7234.8	7576.7	7797.0	7852.1	7882.5
20°	7265.2	7219.6	7193.0	7132.2	7115.1	7242.4	7572.9	7952.8	8024.9	8062.9
22.5°	7745.7	7715.3	7658.3	7504.5	7337.3	7335.4	7645.0	8152.2	8287.0	8323.1
25°	8326.9	8281.3	8209.2	8000.2	7679.2	7519.7	7766.6	8406.7	8632.7	8642.2
27.5°	8995.5	8927.1	8828.4	8553.0	8119.9	7808.4	7952.8	8699.2	9029.7	9025.9
30°	9700.2	9631.8	9527.3	9193.1	8647.9	8197.8	8211.1	9014.5	9500.8	9479.9
32.5°	10214.9	10163.6	10142.7	9884.4	9255.7	8657.4	8507.4	9364.0	10082.0	10063.0
35°	10610.0	10543.5	10568.2	10437.2	9918.6	9172.2	8870.2	9780.0	10788.5	10786.6
37.5°	11001.3	10942.4	10963.3	10875.9	10532.1	9825.6	9312.7	10289.0	11664.2	11705.9
40°	11358.4	11295.7	11379.3	11297.6	11008.9	10520.7	9816.1	10864.5	12678.4	12758.2
42.5°	11573.0	11523.6	11662.3	11664.2	11422.9	11107.6	10368.8	11498.9	13852.3	14030.8
45°	11647.1	11630.0	11838.9	11882.6	11789.5	11447.6	10866.4	12190.3	15117.3	15436.4
47.5°	11567.3	11535.0	11823.7	11985.2	12059.2	11607.2	11278.6	12938.7	16408.8	16876.1
50°	11164.6	11101.9	11531.2	11871.2	12135.2	11711.6	11694.6	13802.9	17877.1	18388.0
52.5°	10441.0	10393.5	10881.6	11472.3	11968.1	11762.9	12161.8	14746.9	19271.2	19932.2
55°	9515.9	9453.3	9990.8	10762.0	11552.1	11745.8	12629.1	15802.9	20916.1	21586.6
57.5°	8049.6	7924.3	8604.2	9515.9	10874.0	11724.9	13115.3	16853.3	22587.6	23391.0
60°	5910.9	5724.8	6558.6	7639.4	9548.2	11521.7	13717.4	18030.9	24593.3	25317.0
62.5°	3441.7	3333.4	3878.6	4887.1	7196.8	10325.1	14055.5	19400.4	26564.9	27324.6
65°	2672.4	2642.1	2689.5	2767.4	4005.8	7730.5	13012.7	20735.7	29072.1	29603.9
67.5°	2444.5	2421.7	2442.6	2296.4	2032.3	4305.9	10294.7	21073.7	31757.8	32080.7
70°	2172.9	2146.3	2214.7	2089.3	1599.3	1958.3	6651.7	19846.7	33894.6	34500.5
72.5°	1770.2	1739.8	1899.4	1842.4	1346.7	1257.4	3341.0	16931.2	33670.5	34927.9
75°	1360.0	1342.9	1532.8	1580.3	1097.8	989.6	1603.1	12585.4	29630.5	30897.4
77.5°	1056.1	1042.8	1139.6	1312.5	885.1	767.4	985.8	7983.1	22329.2	22551.5
80°	792.0	754.1	843.3	1016.2	689.5	560.3	668.6	4655.4	14114.4	12794.3
82.5°	495.7	476.7	550.8	678.1	486.2	385.6	435.0	2571.8	5656.4	3331.5
85°	283.0	275.4	300.1	387.5	264.0	222.2	248.8	1135.8	1033.3	710.4
87.5°	114.0	110.2	136.8	172.8	96.9	81.7	87.4	273.5	227.9	210.8
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°
7208.2	0°	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2	7208.2
7236.7	2.5°	7229.1	7229.1	7202.5	7160.7	7113.2	7082.8	7033.4	7020.1	6968.9	6953.7
7301.3	5°	7316.5	7301.3	7219.6	7101.8	6940.4	6792.2	6628.9	6526.3	6382.0	6330.7
7428.5	7.5°	7426.6	7384.8	7244.3	6986.0	6647.9	6315.5	5969.8	5707.7	5457.0	5367.7
7533.0	10°	7527.3	7468.4	7229.1	6777.0	6192.0	5616.5	5065.7	4680.1	4387.6	4267.9
7648.8	12.5°	7628.0	7519.7	7128.4	6429.4	5544.3	4763.7	4176.8	3876.7	3696.2	3551.9
7743.8	15°	7722.9	7571.0	6972.7	5964.1	4834.0	4041.9	3608.8	3369.5	3225.2	3130.2
7882.5	17.5°	7833.1	7614.7	6739.0	5373.4	4157.8	3542.4	3189.1	3044.7	3016.2	3004.8
8072.4	20°	7986.9	7654.5	6431.3	4712.4	3660.1	3143.5	2961.2	2947.9	2946.0	2940.3
8300.3	22.5°	8152.2	7702.0	6024.9	4112.2	3236.6	2894.7	2862.4	2835.8	2818.7	2816.8
8575.8	25°	8347.8	7717.2	5515.8	3620.2	2875.7	2776.9	2738.9	2699.0	2687.6	2687.6
8889.2	27.5°	8537.8	7665.9	4923.2	3192.9	2672.4	2668.6	2619.3	2606.0	2604.1	2609.8
9246.2	30°	8727.7	7569.1	4334.4	2797.8	2554.7	2554.7	2537.6	2547.1	2554.7	2573.7
9736.3	32.5°	8984.1	7466.5	3842.5	2505.3	2452.1	2433.1	2450.2	2469.2	2476.8	2501.5
10380.2	35°	9360.2	7394.3	3451.2	2345.7	2345.7	2321.1	2330.6	2326.8	2309.7	2298.3
11158.9	37.5°	9857.8	7390.5	3128.3	2271.7	2256.5	2252.7	2254.6	2229.9	2163.4	2083.6
12101.0	40°	10456.1	7493.1	2879.5	2220.4	2209.0	2231.8	2220.4	2153.9	1971.6	1832.9
13259.6	42.5°	11259.6	7785.6	2719.9	2157.7	2191.9	2220.4	2174.8	1945.0	1821.5	1728.4
14579.7	45°	12205.5	8260.5	2638.3	2091.2	2159.6	2193.8	1973.5	1872.8	1774.0	1662.0
16019.5	47.5°	13276.7	8858.8	2619.3	2028.5	2087.4	2108.3	1888.0	1842.4	1730.3	1608.8
17466.8	50°	14443.0	9567.2	2670.5	1954.5	1983.0	1910.8	1859.5	1817.7	1701.9	1582.2
18950.2	52.5°	15649.1	10347.9	2773.1	1853.8	1878.5	1798.7	1848.1	1812.0	1684.8	1523.3
20483.0	55°	16834.3	11134.2	2871.9	1736.0	1772.1	1698.1	1815.8	1789.2	1606.9	1424.5
22118.4	57.5°	18038.5	11916.8	2968.7	1631.6	1669.6	1601.2	1764.5	1728.4	1519.5	1333.4
23903.8	60°	19290.2	12676.5	3014.3	1530.9	1557.5	1511.9	1686.7	1624.0	1420.7	1240.3
25658.9	62.5°	20462.1	13309.0	2940.3	1430.2	1447.3	1428.3	1584.1	1500.5	1322.0	1135.8
27488.0	65°	21637.9	13685.1	2712.3	1331.5	1335.3	1325.8	1439.7	1367.6	1206.1	1044.7
29089.2	67.5°	22703.4	13895.9	2349.5	1225.1	1215.6	1211.8	1304.9	1223.2	1094.0	953.5
30306.7	70°	22929.5	13360.3	1794.9	1099.7	1099.7	1090.3	1156.7	1073.2	970.6	856.6
29434.9	72.5°	20942.7	11238.7	1274.5	957.3	972.5	953.5	1008.6	938.3	845.2	769.3
25368.3	75°	16887.5	8241.5	926.9	811.0	837.6	805.3	856.6	807.2	727.5	725.6
17482.0	77.5°	11603.4	5096.1	672.4	668.6	687.6	645.8	704.7	678.1	605.9	573.6
7609.0	80°	4951.7	2032.3	490.0	516.6	516.6	478.6	547.0	554.6	491.9	476.7
1468.2	82.5°	985.8	577.4	343.8	355.2	334.3	322.9	387.5	429.3	592.6	659.1
442.6	85°	296.3	212.7	207.0	193.7	170.9	172.8	227.9	431.2	531.8	303.9
146.3	87.5°	81.7	53.2	55.1	43.7	36.1	47.5	77.9	326.7	178.5	76.0
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>
7208.2
6978.4
6368.7
5379.1
4294.5
3599.3
3147.3
3012.4
2959.3
2837.7
2699.0
2625.0
2587.0
2522.4
2324.9
2085.5
1829.1
1724.6
1654.4
1599.3
1568.9
1511.9
1415.0
1329.6
1234.6
1133.9
1033.3
942.1
852.8
746.5
653.4
537.5
476.7
661.0
262.1
64.6
0.0

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