

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: P940297

Luminaire Tested: **GALN-SB3B-750-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-750-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17887 lumens
Efficiency: N/A
Efficacy: 163.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

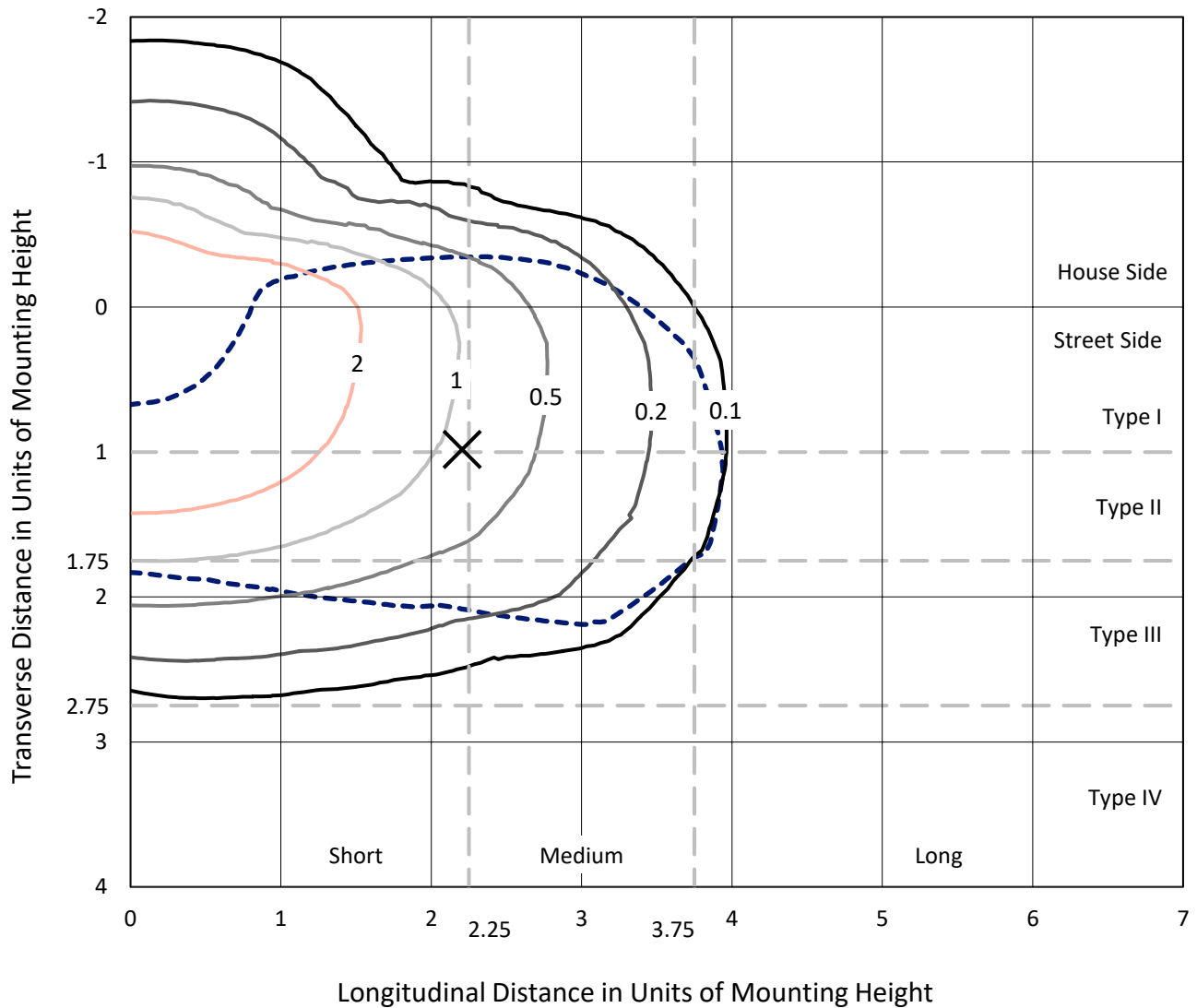
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

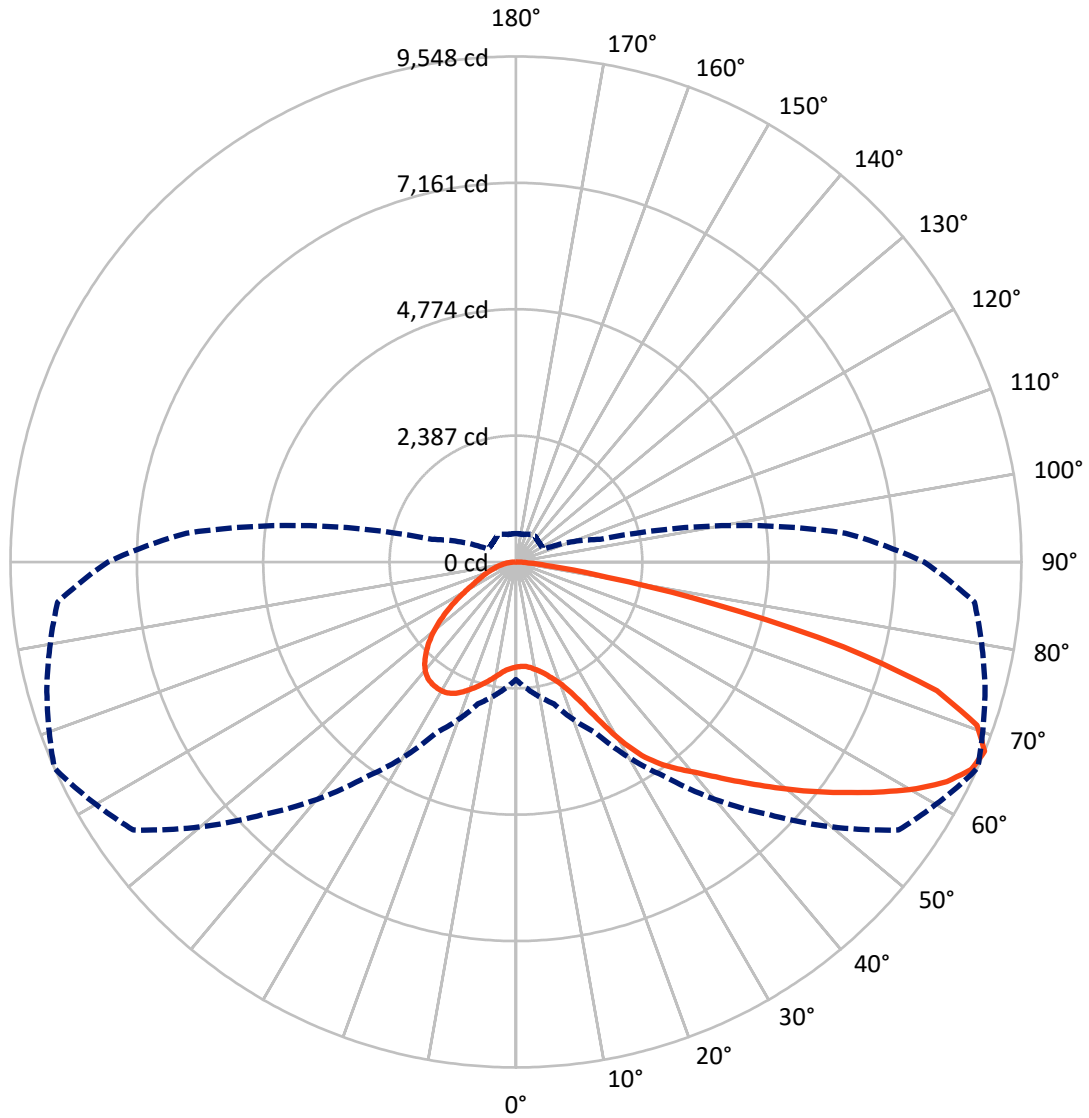
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4447.6	0.0	4447.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13439.5	0.0	13439.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	17887.0	0.0	17887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.7	1.1
10°-20°	649.9	3.6
20°-30°	1252.6	7.0
30°-40°	2196.2	12.3
40°-50°	3265.0	18.3
50°-60°	4138.8	23.1
60°-70°	4049.7	22.6
70°-80°	1931.7	10.8
80°-90°	206.4	1.2
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°	17887.0	100.0
0°-180°	17887.0	100.0

Coefficient of Utilization



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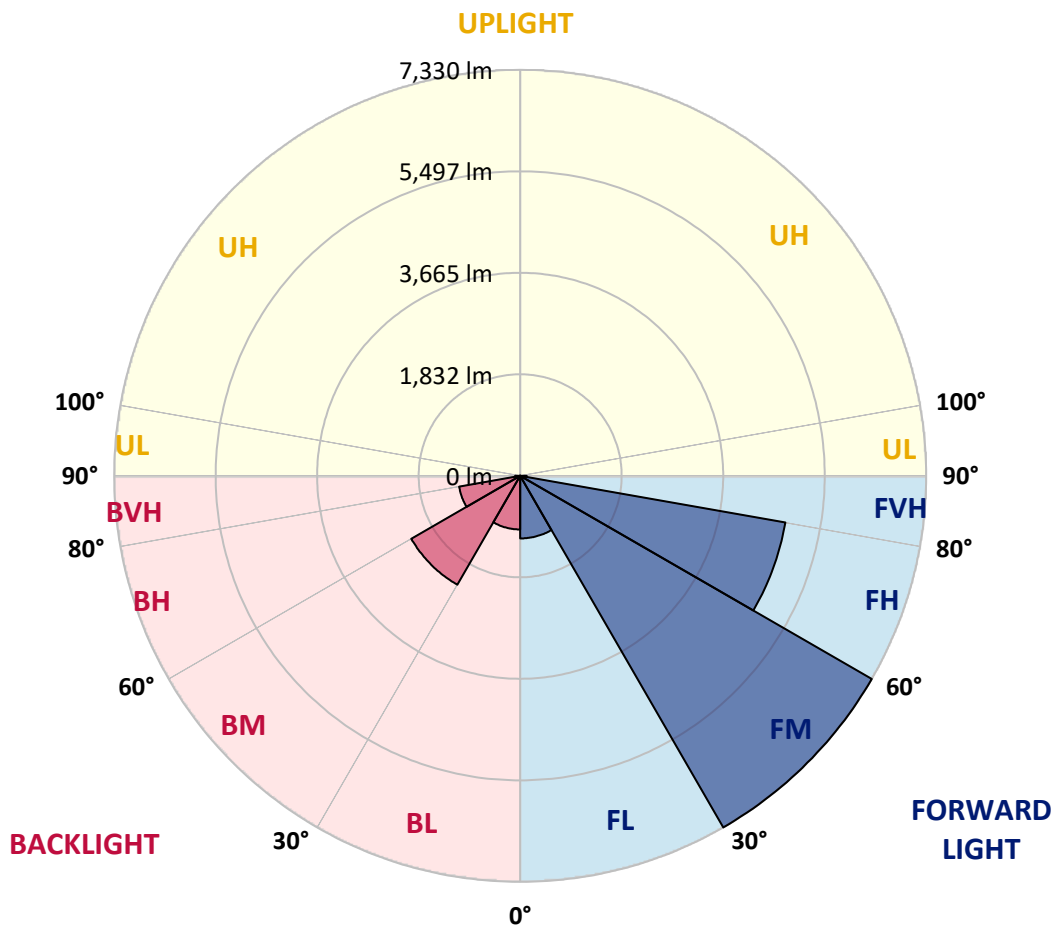
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.3	6.3			
FM (30°-60°)	7329.9	41.0			
FH (60°-80°)	4862.2	27.2			G2/5000
FVH (80°-90°)	117.0	0.7			G2/225
BL (0°-30°)	968.8	5.4	B2/1000		
BM (30°-60°)	2270.1	12.7	B2/2500		
BH (60°-80°)	1119.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	89.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9
2.5°	1963.2	1974.5	1971.7	1967.0	1966.0	1967.9	1970.7	1973.6	1972.6	1977.3
5°	1957.6	1968.9	1967.9	1967.9	1971.7	1979.2	1983.9	1988.6	1983.9	1989.5
7.5°	1961.3	1969.8	1973.6	1977.3	1986.7	2000.8	2012.1	2022.4	2016.8	2023.4
10°	2009.3	2015.9	2019.6	2019.6	2026.2	2042.2	2053.4	2072.2	2067.5	2077.9
12.5°	2096.7	2103.3	2103.3	2099.5	2104.2	2114.5	2118.3	2139.0	2130.5	2147.4
15°	2203.8	2217.0	2206.6	2200.1	2201.9	2212.3	2211.3	2227.3	2218.9	2233.0
17.5°	2322.2	2339.1	2322.2	2321.3	2317.5	2328.8	2329.7	2343.8	2328.8	2339.1
20°	2462.3	2485.8	2471.7	2476.4	2467.9	2472.6	2477.3	2498.0	2474.5	2482.0
22.5°	2659.6	2687.8	2672.8	2690.6	2685.0	2681.2	2680.3	2716.9	2680.3	2683.1
25°	2947.2	2981.0	2954.7	2979.1	2979.1	2991.4	3005.5	3052.5	2991.4	2973.5
27.5°	3372.0	3405.8	3354.1	3369.2	3364.5	3394.5	3379.5	3496.0	3430.2	3401.1
30°	3883.2	3943.4	3845.6	3841.9	3837.2	3885.1	3906.7	3983.8	3917.1	3887.9
32.5°	4435.8	4498.8	4382.3	4348.4	4330.6	4359.7	4341.8	4403.9	4357.8	4312.7
35°	5020.4	5082.4	4971.5	4905.7	4834.3	4773.2	4709.3	4725.3	4682.1	4613.4
37.5°	5573.0	5686.7	5569.2	5498.7	5367.2	5247.8	5069.2	4995.0	4954.6	4891.6
40°	6135.9	6200.8	6111.5	6051.3	5908.5	5721.5	5435.8	5278.8	5224.3	5163.2
42.5°	6550.4	6612.4	6564.5	6523.1	6411.3	6194.2	5824.8	5628.4	5549.5	5480.9
45°	6879.3	6925.3	6895.3	6910.3	6862.4	6651.9	6228.0	6003.4	5921.6	5838.0
47.5°	7011.8	7060.7	7108.6	7197.9	7279.6	7124.6	6661.3	6409.4	6322.9	6237.4
50°	6996.8	7046.6	7185.7	7375.5	7629.2	7577.6	7118.0	6841.7	6761.8	6664.1
52.5°	6876.5	6932.9	7111.4	7427.2	7831.3	7916.8	7583.2	7288.1	7212.9	7096.4
55°	6560.7	6594.5	6862.4	7309.7	7879.2	8153.7	8039.0	7763.6	7688.5	7525.9
57.5°	5975.2	6024.1	6414.1	6993.0	7758.9	8314.4	8439.3	8263.6	8191.2	7957.2
60°	5211.2	5289.2	5735.6	6461.1	7452.6	8313.4	8803.0	8755.1	8695.0	8382.0
62.5°	4346.5	4436.8	4866.3	5709.2	6916.9	8077.5	9030.5	9166.7	9135.7	8773.9
65°	3338.1	3400.2	3827.8	4736.6	6083.3	7571.0	9056.8	9447.7	9453.4	9071.8
67.5°	2222.6	2401.2	2772.4	3554.3	4966.8	6743.0	8825.6	9493.8	9548.3	9174.3
70°	1084.5	1319.5	1683.2	2310.0	3554.3	5473.4	8221.3	9116.0	9237.2	8875.4
72.5°	450.2	526.3	724.6	1140.0	2040.3	3693.4	7007.1	8091.6	8316.2	7864.2
75°	303.6	328.9	414.4	584.6	929.5	1821.3	5053.3	6033.5	6395.3	5939.5
77.5°	234.0	250.0	301.7	408.8	552.6	688.9	2704.7	3636.1	3823.1	3539.3
80°	184.2	196.4	225.6	297.9	391.9	368.4	921.9	1647.5	1755.5	1472.7
82.5°	159.8	164.5	161.6	202.1	260.3	215.2	302.6	608.0	671.0	486.8
85°	115.6	128.8	134.4	125.0	138.1	109.0	124.1	215.2	236.8	211.5
87.5°	47.0	69.5	85.5	80.8	50.7	31.0	38.5	63.0	72.4	78.9
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°
1983.9	0°	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9	1983.9
1984.8	2.5°	1985.8	1992.4	1997.1	2002.7	2006.5	2012.1	2023.4	2030.0	2030.9	2035.6
1999.9	5°	2003.6	2013.0	2023.4	2038.4	2055.3	2069.4	2091.0	2106.1	2111.7	2116.4
2036.5	7.5°	2042.2	2055.3	2074.1	2100.4	2124.9	2143.7	2170.0	2187.8	2205.7	2212.3
2094.8	10°	2099.5	2118.3	2145.5	2181.3	2207.6	2232.0	2259.3	2274.3	2292.2	2299.7
2164.3	12.5°	2170.9	2190.7	2226.4	2276.2	2300.6	2317.5	2326.9	2323.2	2326.9	2333.5
2248.0	15°	2252.7	2274.3	2314.7	2368.3	2385.2	2370.2	2349.5	2330.7	2327.9	2329.7
2349.5	17.5°	2349.5	2365.5	2412.5	2457.6	2445.3	2383.3	2338.2	2308.1	2293.1	2288.4
2479.2	20°	2484.8	2484.8	2523.3	2551.5	2469.8	2364.5	2294.0	2245.2	2214.2	2201.0
2655.9	22.5°	2649.3	2634.2	2658.7	2638.9	2465.1	2311.9	2214.2	2129.6	2082.6	2063.8
2903.0	25°	2857.9	2840.1	2833.5	2711.3	2431.2	2228.3	2069.4	1967.0	1925.6	1915.3
3259.2	27.5°	3172.7	3127.6	3042.1	2750.8	2369.2	2096.7	1900.3	1805.3	1781.8	1782.8
3716.9	30°	3591.9	3501.7	3292.1	2757.4	2267.7	1910.6	1727.3	1659.7	1648.4	1653.1
4101.3	32.5°	3980.0	3894.5	3547.7	2727.3	2111.7	1728.3	1572.3	1527.2	1510.2	1515.9
4394.5	35°	4284.5	4261.0	3784.5	2685.0	1920.0	1557.2	1433.2	1394.7	1361.8	1354.2
4670.8	37.5°	4572.1	4562.7	3962.2	2625.8	1730.2	1436.0	1321.4	1270.6	1222.7	1196.4
4976.2	40°	4887.9	4878.5	4078.7	2534.6	1561.9	1330.7	1220.8	1154.1	1094.9	1046.9
5322.1	42.5°	5243.1	5187.7	4134.2	2404.0	1419.1	1241.5	1139.0	1048.8	970.8	926.6
5713.0	45°	5631.2	5506.3	4133.2	2237.6	1298.8	1159.7	1051.6	923.8	851.5	810.1
6114.3	47.5°	6042.9	5810.7	4082.5	2053.4	1182.3	1069.5	916.3	818.6	770.6	745.3
6550.4	50°	6467.7	6095.5	3996.0	1842.0	1062.9	967.0	831.7	765.0	728.3	704.8
6982.7	52.5°	6867.1	6353.9	3891.7	1602.3	941.7	867.4	794.1	742.4	703.9	677.6
7401.8	55°	7238.3	6576.7	3744.1	1357.1	843.0	800.7	776.3	733.0	688.9	657.9
7827.5	57.5°	7568.2	6721.4	3489.5	1126.8	772.5	754.7	757.5	717.1	666.3	640.0
8246.7	60°	7842.6	6827.6	3112.6	913.5	715.2	709.5	728.3	687.0	627.8	597.7
8601.0	62.5°	8007.0	6825.7	2650.2	748.1	666.3	668.2	689.8	649.4	589.3	561.1
8786.1	65°	7992.9	6658.4	2142.7	640.0	619.3	621.2	649.4	608.0	557.3	540.4
8693.1	67.5°	7710.1	6250.6	1643.7	569.5	567.6	576.1	609.0	579.9	537.6	535.7
8138.6	70°	6944.1	5403.8	1184.1	513.1	514.1	526.3	569.5	562.0	527.2	531.0
6842.6	72.5°	5568.3	4120.1	795.1	453.9	454.9	474.6	531.9	547.9	516.9	566.7
4855.0	75°	3708.4	2569.4	511.2	391.0	391.9	417.3	499.0	520.6	488.7	564.8
2526.2	77.5°	1781.8	1155.0	370.3	328.9	328.9	352.4	431.4	466.1	416.3	438.9
812.0	80°	615.6	434.2	291.3	265.0	259.4	275.4	363.7	404.1	359.0	330.8
265.0	82.5°	242.5	225.6	234.0	205.8	187.0	197.4	282.9	333.6	264.1	238.7
149.4	85°	139.1	146.6	165.4	136.3	108.1	121.2	207.7	239.6	199.2	175.7
48.9	87.5°	37.6	51.7	76.1	70.5	48.9	51.7	98.7	132.5	114.7	88.3
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>
1983.9
2034.7
2115.5
2213.2
2303.4
2335.4
2336.3
2295.0
2198.2
2061.0
1917.2
1785.6
1669.1
1523.4
1359.9
1197.3
1051.6
929.5
808.2
739.6
696.4
666.3
645.6
623.1
584.6
552.6
539.4
538.5
530.0
574.2
569.5
402.2
310.1
237.8
179.5
91.2
0.0

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