

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: P953362

Luminaire Tested: **GALN-SB6D-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953362
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-SB6D-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44445 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

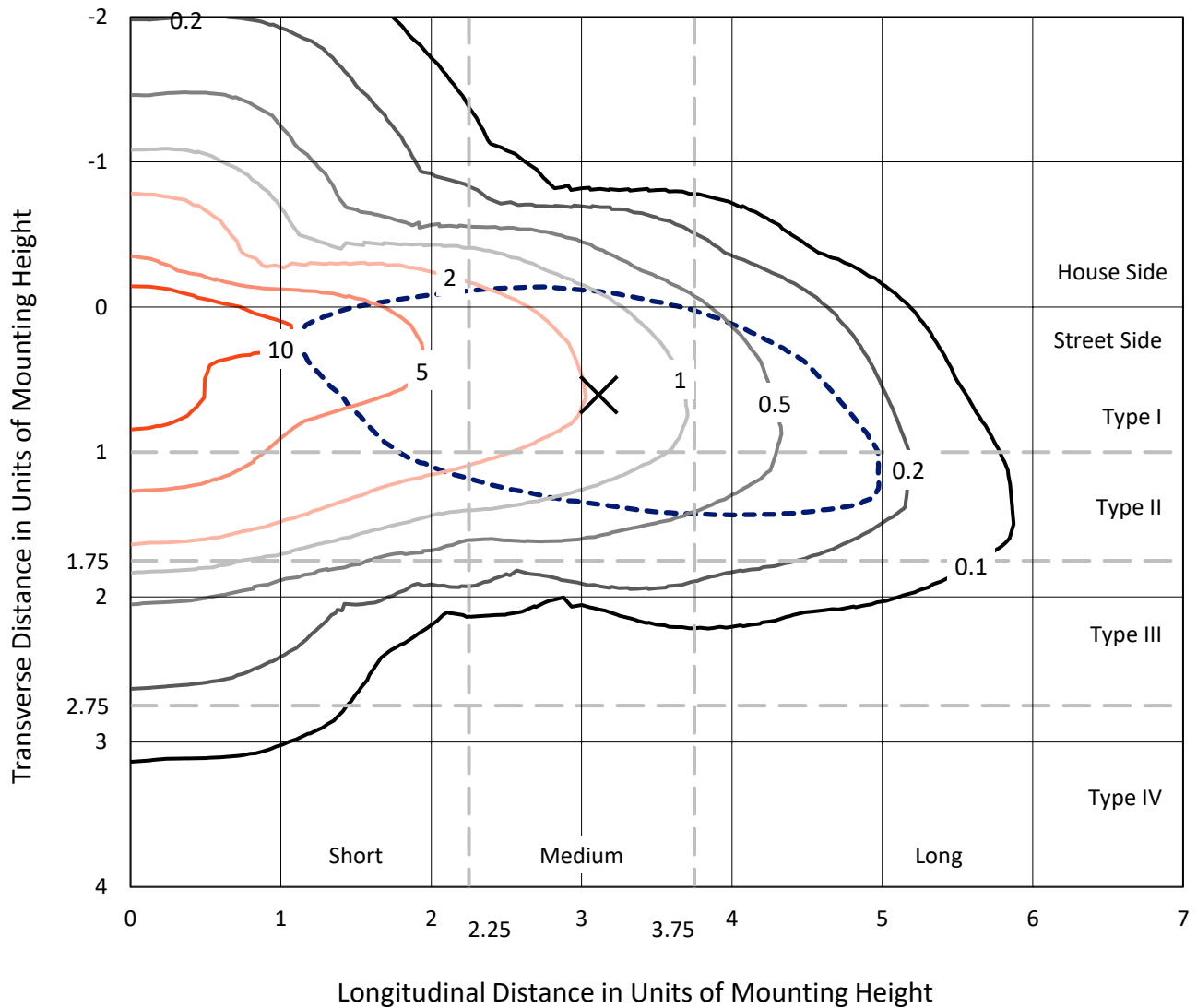
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

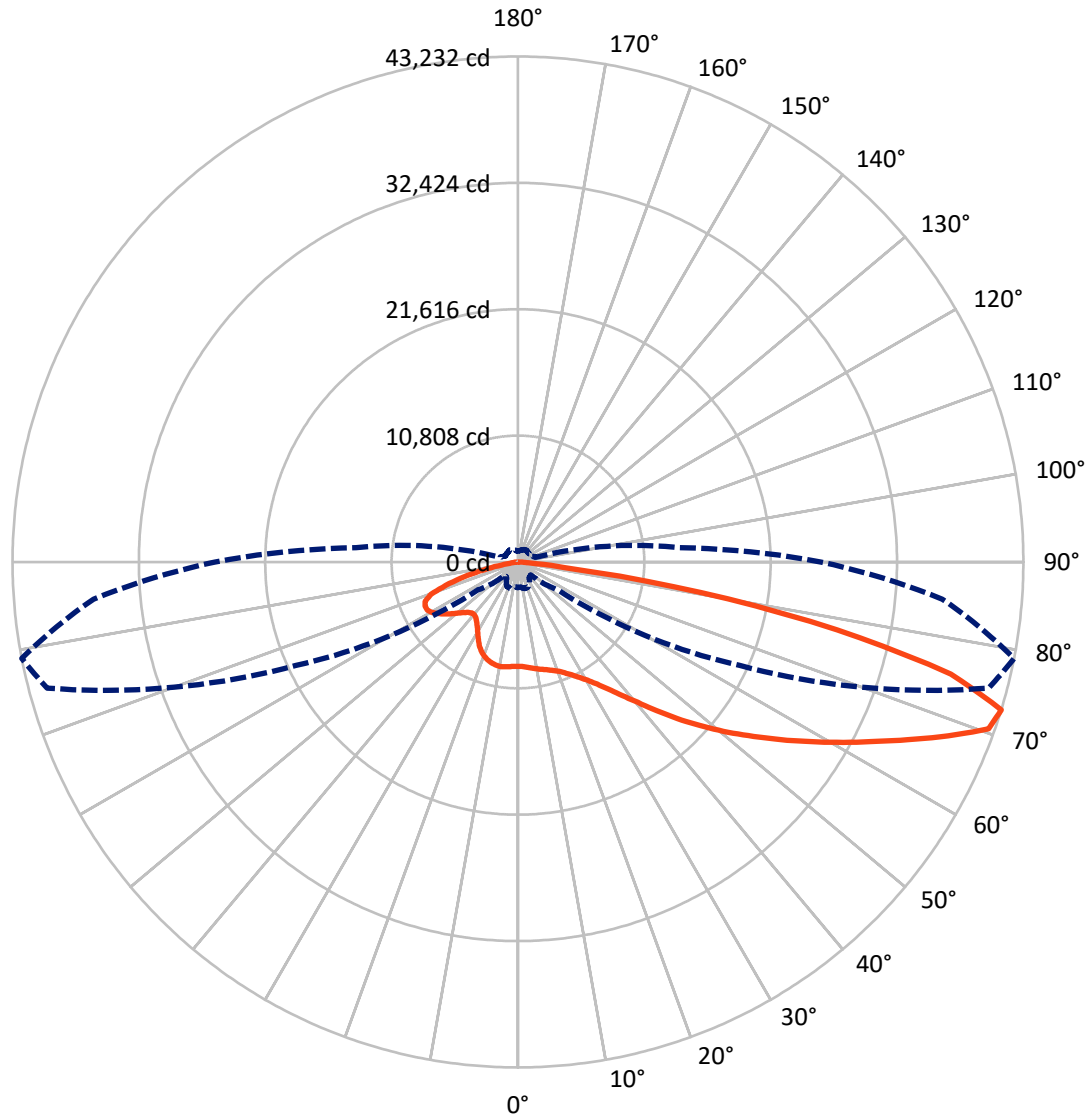
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 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	9780.4	0.0	9780.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	34664.7	0.0	34664.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	44445.0	0.0	44445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	809.9	1.8
10°-20°	2117.4	4.8
20°-30°	3416.5	7.7
30°-40°	5127.8	11.5
40°-50°	7274.0	16.4
50°-60°	9186.1	20.7
60°-70°	9329.7	21.0
70°-80°	6358.6	14.3
80°-90°	825.0	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°	44445.0	100.0
0°-180°	44445.0	100.0

Coefficient of Utilization



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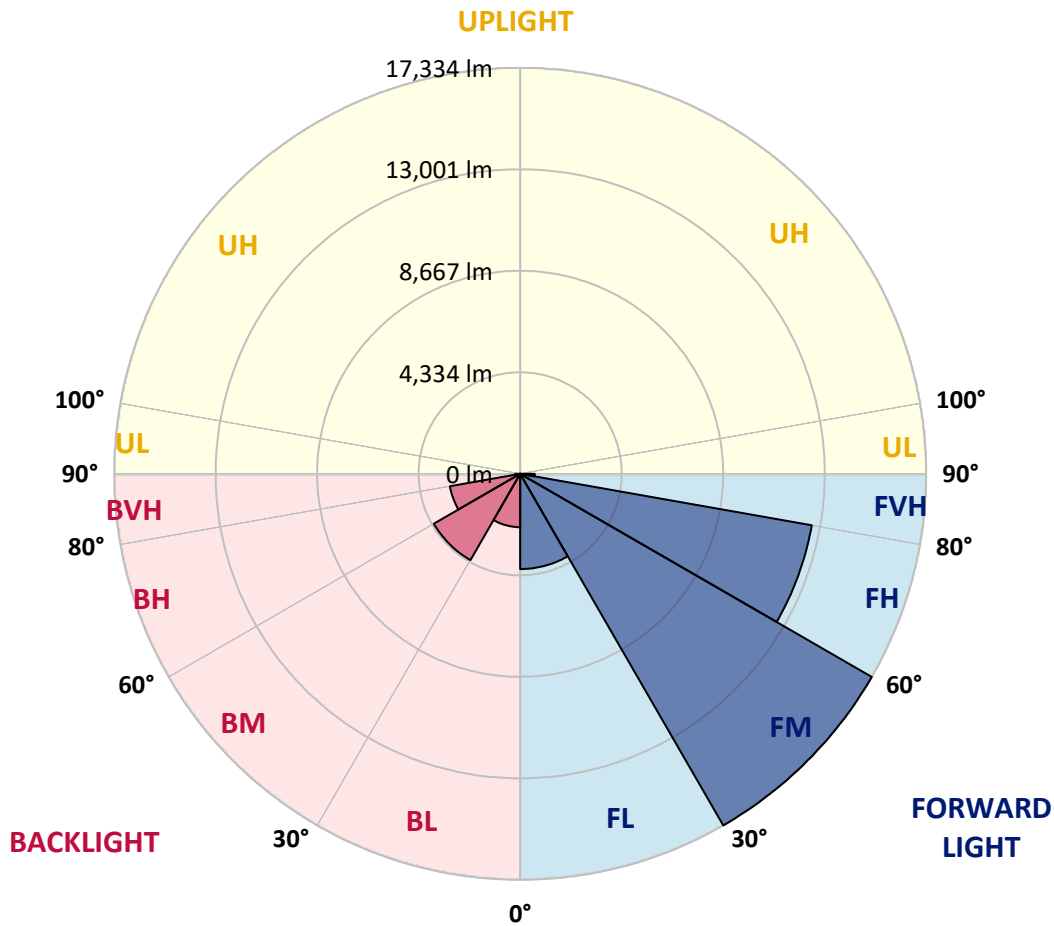
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4065.6	9.1			
FM (30°-60°)	17334.5	39.0			
FH (60°-80°)	12643.1	28.4			G5
FVH (80°-90°)	621.5	1.4			G4/750
BL (0°-30°)	2278.1	5.1	B3/2500		
BM (30°-60°)	4253.4	9.6	B3/5000		
BH (60°-80°)	3045.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	203.5	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-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9
2.5°	8926.6	8884.3	8910.2	8900.8	8912.5	8926.6	8931.3	8938.4	8961.9	8959.5
5°	8907.8	8865.5	8900.8	8889.0	8919.6	8952.5	8980.7	9006.5	9044.2	9060.6
7.5°	8867.8	8839.6	8874.9	8910.2	8966.6	9015.9	9055.9	9114.7	9168.8	9178.2
10°	8635.1	8613.9	8696.2	8787.9	8943.1	9077.1	9164.1	9232.2	9291.0	9300.4
12.5°	8392.9	8367.1	8458.8	8583.4	8834.9	9077.1	9260.5	9349.8	9401.5	9432.1
15°	8353.0	8331.8	8383.5	8491.7	8700.9	9013.6	9326.3	9490.8	9535.5	9570.8
17.5°	8545.8	8505.8	8526.9	8564.6	8686.8	8954.8	9378.0	9650.7	9718.9	9756.5
20°	8992.4	8936.0	8903.1	8827.9	8806.7	8964.2	9373.3	9843.5	9932.8	9979.8
22.5°	9587.2	9549.6	9479.1	9288.7	9081.8	9079.4	9462.6	10090.3	10257.3	10301.9
25°	10306.6	10250.2	10160.9	9902.3	9505.0	9307.5	9613.1	10405.4	10685.1	10696.9
27.5°	11134.2	11049.5	10927.3	10586.4	10050.4	9664.8	9843.5	10767.4	11176.5	11171.8
30°	12006.4	11921.7	11792.4	11378.7	10703.9	10146.8	10163.2	11157.7	11759.5	11733.7
32.5°	12643.5	12580.0	12554.2	12234.4	11456.3	10715.7	10530.0	11590.3	12478.9	12455.4
35°	13132.5	13050.2	13080.8	12918.6	12276.7	11352.8	10979.0	12105.1	13353.5	13351.1
37.5°	13616.8	13543.9	13569.8	13461.6	13036.1	12161.5	11526.8	12735.2	14437.3	14489.0
40°	14058.8	13981.2	14084.6	13983.5	13626.2	13022.0	12149.8	13447.5	15692.7	15791.4
42.5°	14324.4	14263.3	14434.9	14437.3	14138.7	13748.4	12833.9	14232.7	17145.6	17366.6
45°	14416.1	14395.0	14653.6	14707.6	14592.4	14169.3	13449.9	15088.5	18711.3	19106.3
47.5°	14317.4	14277.4	14634.8	14834.6	14926.3	14366.7	13960.0	16014.8	20310.0	20888.3
50°	13819.0	13741.4	14272.7	14693.5	15020.3	14496.0	14474.9	17084.5	22127.3	22759.7
52.5°	12923.3	12864.5	13468.7	14199.8	14813.4	14559.5	15053.2	18252.9	23852.9	24671.0
55°	11778.3	11700.8	12366.1	13320.6	14298.6	14538.4	15631.6	19560.0	25888.8	26718.7
57.5°	9963.4	9808.2	10649.9	11778.3	13459.3	14512.5	16233.4	20860.1	27957.7	28952.1
60°	7316.2	7085.8	8117.9	9455.6	11818.3	14261.0	16978.7	22317.7	30440.3	31336.0
62.5°	4259.9	4125.9	4800.7	6049.0	8907.8	12779.8	17397.1	24012.8	32880.6	33821.0
65°	3307.8	3270.2	3329.0	3425.4	4958.2	9568.4	16106.5	25665.5	35983.9	36642.1
67.5°	3025.7	2997.5	3023.3	2842.3	2515.5	5329.6	12742.2	26084.0	39308.1	39707.8
70°	2689.5	2656.6	2741.2	2586.1	1979.5	2423.8	8233.1	24565.2	41953.0	42702.9
72.5°	2191.1	2153.5	2351.0	2280.4	1666.8	1556.3	4135.3	20956.5	41675.6	43231.9
75°	1683.3	1662.1	1897.2	1956.0	1358.9	1224.9	1984.2	15577.5	36675.0	38243.1
77.5°	1307.1	1290.7	1410.6	1624.5	1095.5	949.8	1220.2	9881.1	27637.9	27913.0
80°	980.4	933.3	1043.8	1257.8	853.4	693.5	827.5	5762.2	17470.0	15836.1
82.5°	613.6	590.1	681.8	839.3	601.8	477.2	538.4	3183.2	7001.2	4123.6
85°	350.3	340.9	371.5	479.6	326.8	275.1	308.0	1405.9	1278.9	879.3
87.5°	141.1	136.4	169.3	213.9	119.9	101.1	108.1	338.5	282.1	261.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8921.9	0°	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9	8921.9
8957.2	2.5°	8947.8	8947.8	8914.9	8863.1	8804.4	8766.7	8705.6	8689.2	8625.7	8606.9
9037.1	5°	9055.9	9037.1	8936.0	8790.3	8590.4	8407.0	8204.9	8077.9	7899.2	7835.8
9194.6	7.5°	9192.3	9140.6	8966.6	8646.8	8228.4	7817.0	7389.1	7064.6	6754.3	6643.8
9323.9	10°	9316.9	9244.0	8947.8	8388.2	7664.1	6951.8	6270.0	5792.8	5430.7	5282.6
9467.3	12.5°	9441.5	9307.5	8823.2	7958.0	6862.5	5896.2	5169.8	4798.3	4575.0	4396.3
9584.9	15°	9559.0	9370.9	8630.4	7382.0	5983.2	5002.9	4466.8	4170.6	3991.9	3874.4
9756.5	17.5°	9695.4	9425.0	8341.2	6650.9	5146.3	4384.5	3947.3	3768.6	3733.3	3719.2
9991.6	20°	9885.8	9474.4	7960.4	5832.7	4530.3	3890.8	3665.2	3648.7	3646.3	3639.3
10273.7	22.5°	10090.3	9533.2	7457.3	5089.8	4006.0	3582.9	3542.9	3510.0	3488.8	3486.5
10614.6	25°	10332.5	9552.0	6827.2	4480.9	3559.4	3437.1	3390.1	3340.7	3326.6	3326.6
11002.5	27.5°	10567.6	9488.5	6093.7	3952.0	3307.8	3303.1	3242.0	3225.5	3223.2	3230.2
11444.5	30°	10802.7	9368.6	5364.9	3463.0	3162.0	3162.0	3140.9	3152.6	3162.0	3185.6
12051.0	32.5°	11120.1	9241.6	4756.0	3100.9	3035.1	3011.6	3032.7	3056.3	3065.7	3096.2
12848.0	35°	11585.6	9152.3	4271.7	2903.4	2903.4	2872.9	2884.6	2879.9	2858.8	2844.7
13811.9	37.5°	12201.5	9147.6	3872.0	2811.8	2792.9	2788.2	2790.6	2760.0	2677.7	2579.0
14978.0	40°	12942.1	9274.6	3564.1	2748.3	2734.2	2762.4	2748.3	2666.0	2440.3	2268.7
16412.1	42.5°	13936.5	9636.6	3366.6	2670.7	2713.0	2748.3	2691.9	2407.4	2254.6	2139.4
18046.0	45°	15107.3	10224.3	3265.5	2588.4	2673.0	2715.4	2442.7	2318.1	2195.8	2057.1
19828.0	47.5°	16433.2	10964.9	3242.0	2510.8	2583.7	2609.6	2336.9	2280.4	2141.7	1991.3
21619.5	50°	17876.7	11841.8	3305.5	2419.1	2454.4	2365.1	2301.6	2249.9	2106.5	1958.4
23455.6	52.5°	19369.6	12808.1	3432.4	2294.5	2325.1	2226.4	2287.5	2242.8	2085.3	1885.5
25352.8	55°	20836.6	13781.4	3554.7	2148.8	2193.5	2101.8	2247.5	2214.6	1988.9	1763.2
27377.0	57.5°	22327.1	14750.0	3674.6	2019.5	2066.5	1981.9	2184.0	2139.4	1880.8	1650.4
29586.9	60°	23876.4	15690.3	3731.0	1894.9	1927.8	1871.4	2087.7	2010.1	1758.5	1535.2
31759.2	62.5°	25326.9	16473.2	3639.3	1770.3	1791.4	1767.9	1960.7	1857.3	1636.3	1405.9
34023.2	65°	26782.2	16938.7	3357.2	1648.0	1652.7	1641.0	1782.0	1692.7	1492.9	1293.0
36005.0	67.5°	28101.1	17199.7	2908.1	1516.4	1504.6	1499.9	1615.1	1514.0	1354.2	1180.2
37512.0	70°	28380.8	16536.7	2221.7	1361.2	1361.2	1349.5	1431.7	1328.3	1201.3	1060.3
36432.9	72.5°	25921.7	13910.7	1577.5	1184.9	1203.7	1180.2	1248.4	1161.4	1046.2	952.1
31399.5	75°	20902.4	10200.8	1147.3	1003.9	1036.8	996.8	1060.3	999.2	900.4	898.1
21638.3	77.5°	14362.0	6307.6	832.2	827.5	851.0	799.3	872.2	839.3	750.0	710.0
9418.0	80°	6129.0	2515.5	606.5	639.5	639.5	592.4	677.1	686.5	608.9	590.1
1817.3	82.5°	1220.2	714.7	425.5	439.6	413.8	399.7	479.6	531.3	733.5	815.8
547.8	85°	366.8	263.3	256.3	239.8	211.6	213.9	282.1	533.7	658.3	376.2
181.0	87.5°	101.1	65.8	68.2	54.1	44.7	58.8	96.4	404.4	221.0	94.0
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>
8921.9
8637.4
7882.8
6657.9
5315.5
4455.1
3895.5
3728.6
3662.8
3512.3
3340.7
3249.0
3202.0
3122.1
2877.6
2581.4
2264.0
2134.7
2047.7
1979.5
1941.9
1871.4
1751.5
1645.7
1528.1
1403.5
1278.9
1166.1
1055.6
923.9
808.7
665.3
590.1
818.1
324.4
79.9
0.0

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