

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: P953152

Luminaire Tested: **GALN-SB6D-750-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953152
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-750-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 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: 64890 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

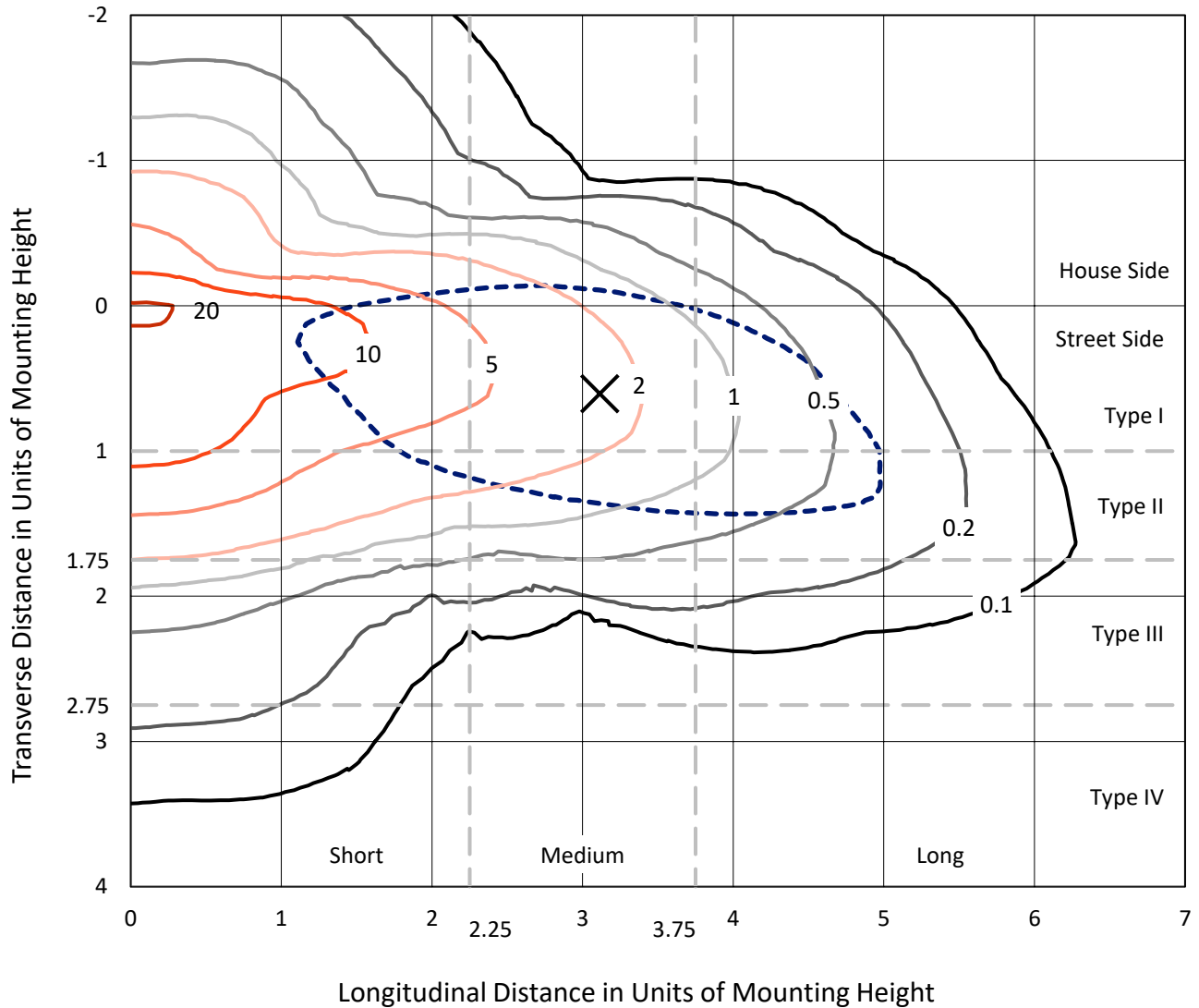
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

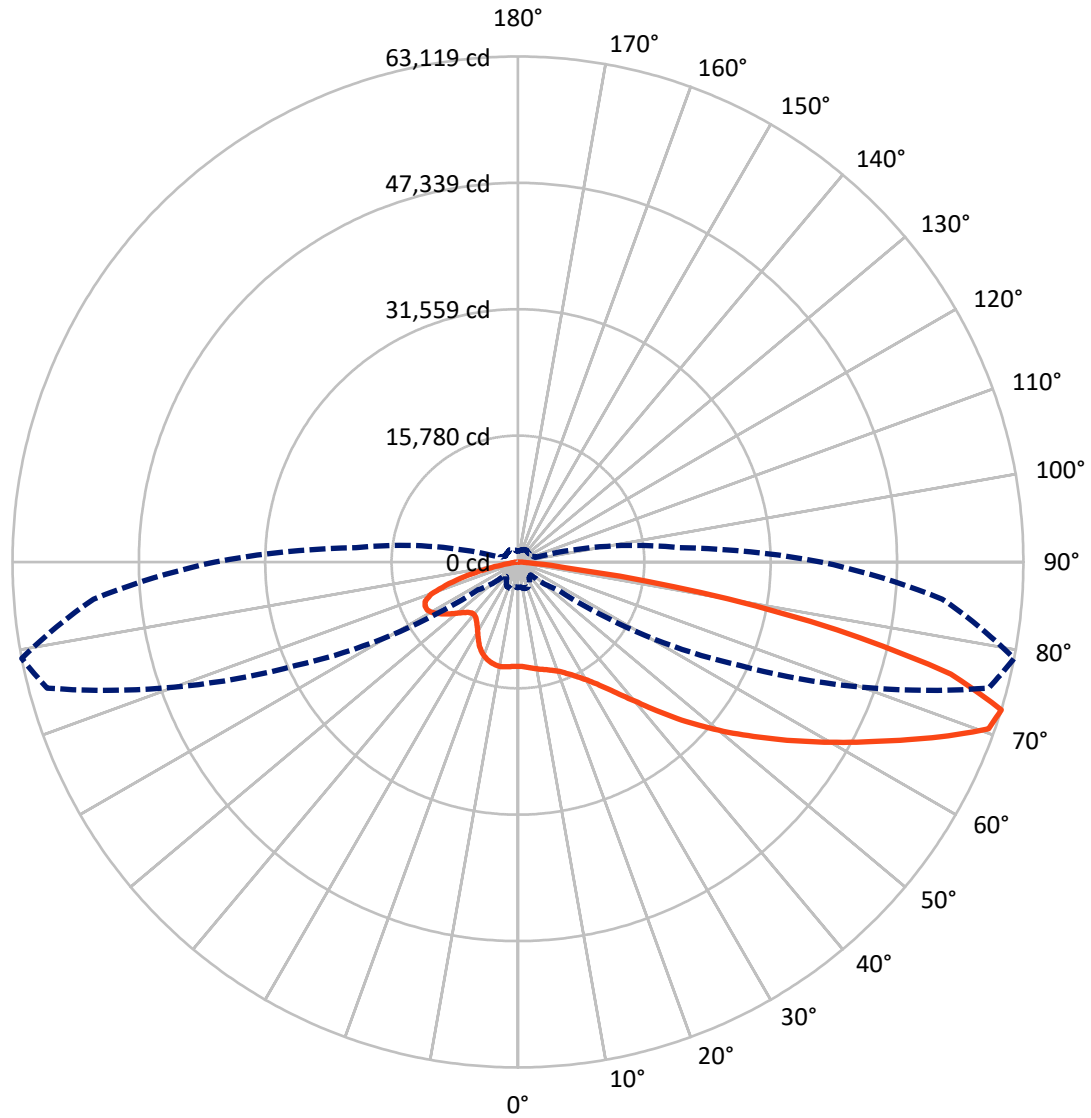
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 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	14279.4	0.0	14279.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	50610.6	0.0	50610.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	64890.0	0.0	64890.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1182.4	1.8
10°-20°	3091.4	4.8
20°-30°	4988.2	7.7
30°-40°	7486.6	11.5
40°-50°	10620.1	16.4
50°-60°	13411.8	20.7
60°-70°	13621.5	21.0
70°-80°	9283.6	14.3
80°-90°	1204.5	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°	64890.0	100.0
0°-180°	64890.0	100.0



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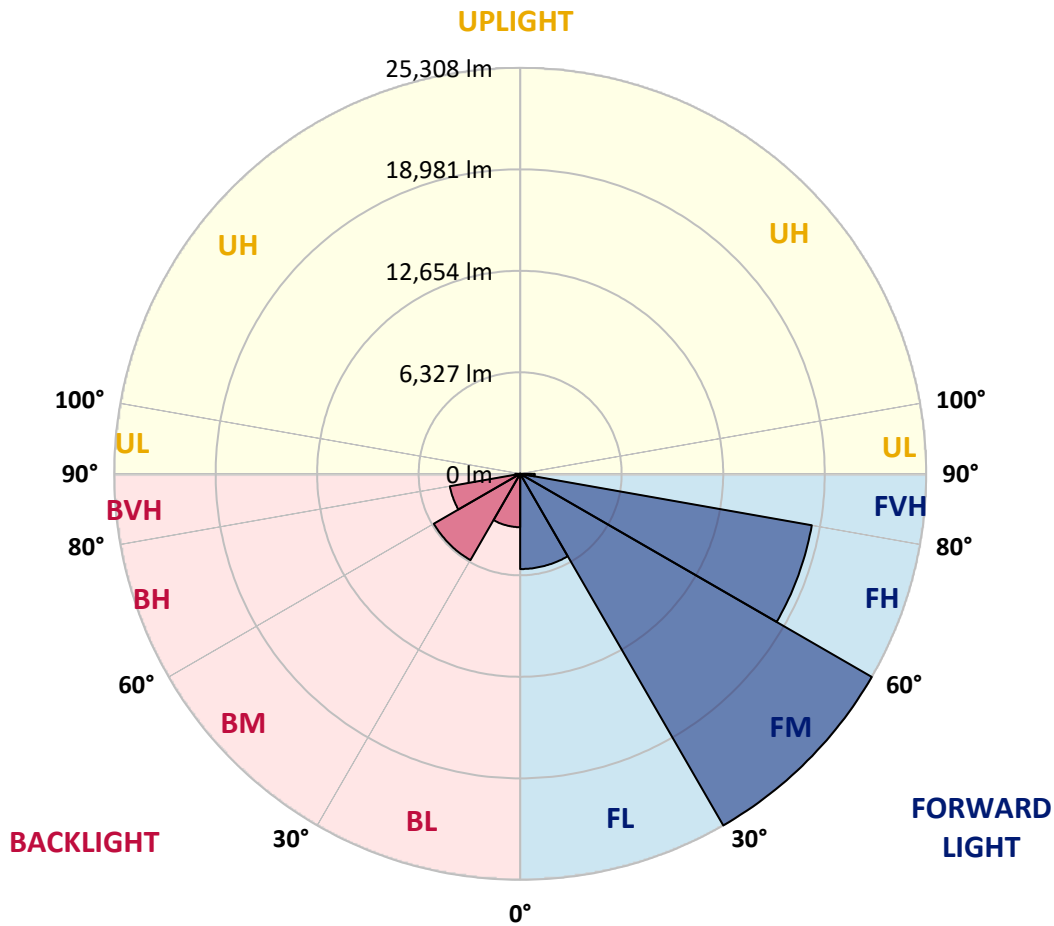
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5935.9	9.1			
FM (30°-60°)	25308.4	39.0			
FH (60°-80°)	18459.0	28.4			G5
FVH (80°-90°)	907.3	1.4			G5
BL (0°-30°)	3326.1	5.1	B4/5000		
BM (30°-60°)	6210.0	9.6	B4/8500		
BH (60°-80°)	4446.1	6.9	B4/5000		G4/5000
BVH (80°-90°)	297.1	0.5			G3/500
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°	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1
2.5°	13032.9	12971.1	13008.9	12995.2	13012.3	13032.9	13039.8	13050.1	13084.4	13081.0
5°	13005.5	12943.7	12995.2	12978.0	13022.6	13070.7	13111.9	13149.6	13204.5	13228.6
7.5°	12947.1	12905.9	12957.4	13008.9	13091.3	13163.3	13221.7	13307.5	13386.5	13400.2
10°	12607.3	12576.4	12696.5	12830.4	13056.9	13252.6	13379.6	13479.1	13564.9	13578.7
12.5°	12253.8	12216.0	12349.9	12531.8	12899.1	13252.6	13520.3	13650.8	13726.3	13770.9
15°	12195.4	12164.5	12240.0	12397.9	12703.4	13159.9	13616.4	13856.7	13921.9	13973.4
17.5°	12476.9	12418.5	12449.4	12504.3	12682.8	13074.1	13691.9	14090.1	14189.6	14244.6
20°	13129.0	13046.6	12998.6	12888.8	12857.9	13087.8	13685.1	14371.6	14502.0	14570.6
22.5°	13997.4	13942.5	13839.5	13561.5	13259.5	13256.0	13815.5	14732.0	14975.7	15040.9
25°	15047.7	14965.4	14834.9	14457.4	13877.3	13589.0	14035.2	15191.9	15600.4	15617.5
27.5°	16256.0	16132.4	15953.9	15456.2	14673.6	14110.7	14371.6	15720.5	16317.7	16310.9
30°	17529.4	17405.8	17217.0	16612.9	15627.8	14814.3	14838.4	16290.3	17169.0	17131.2
32.5°	18459.6	18366.9	18329.1	17862.3	16726.2	15645.0	15373.8	16921.9	18219.3	18185.0
35°	19173.5	19053.4	19098.0	18861.2	17924.1	16575.2	16029.4	17673.6	19496.2	19492.7
37.5°	19880.6	19774.2	19812.0	19654.1	19032.8	17755.9	16829.2	18593.4	21078.5	21154.0
40°	20525.9	20412.6	20563.7	20416.1	19894.3	19012.2	17738.8	19633.5	22911.4	23055.6
42.5°	20913.8	20824.5	21075.1	21078.5	20642.6	20072.8	18737.6	20779.9	25032.7	25355.3
45°	21047.6	21016.7	21394.3	21473.2	21305.1	20687.2	19636.9	22029.3	27318.7	27895.3
47.5°	20903.5	20845.1	21366.8	21658.6	21792.5	20975.5	20381.7	23381.7	29652.7	30497.1
50°	20175.8	20062.5	20838.2	21452.7	21929.8	21164.3	21133.4	24943.4	32306.0	33229.3
52.5°	18868.0	18782.2	19664.4	20731.8	21627.7	21257.0	21977.8	26649.3	34825.4	36019.9
55°	17196.4	17083.2	18054.6	19448.1	20876.0	21226.1	22822.2	28557.8	37797.9	39009.5
57.5°	14546.6	14320.1	15548.9	17196.4	19650.6	21188.4	23700.9	30455.9	40818.4	42270.3
60°	10681.7	10345.3	11852.2	13805.2	17254.8	20821.1	24789.0	32584.0	44443.0	45750.8
62.5°	6219.6	6023.9	7009.0	8831.6	13005.5	18658.7	25399.9	35058.8	48005.9	49378.9
65°	4829.4	4774.5	4860.3	5001.0	7239.0	13970.0	23515.5	37471.8	52536.7	53497.8
67.5°	4417.5	4376.3	4414.1	4149.8	3672.7	7781.3	18603.7	38082.7	57390.1	57973.6
70°	3926.7	3878.6	4002.2	3775.7	2890.1	3538.8	12020.4	35865.4	61251.6	62346.6
72.5°	3199.0	3144.1	3432.4	3329.5	2433.6	2272.3	6037.6	30596.6	60846.6	63118.9
75°	2457.6	2426.7	2770.0	2855.8	1983.9	1788.3	2897.0	22743.2	53545.8	55835.2
77.5°	1908.4	1884.4	2059.5	2371.8	1599.5	1386.7	1781.4	14426.5	40351.6	40753.2
80°	1431.3	1362.7	1524.0	1836.3	1246.0	1012.6	1208.2	8412.9	25506.3	23120.8
82.5°	895.9	861.5	995.4	1225.4	878.7	696.8	786.0	4647.5	10221.8	6020.5
85°	511.4	497.7	542.3	700.2	477.1	401.6	449.6	2052.6	1867.2	1283.7
87.5°	205.9	199.1	247.1	312.4	175.1	147.6	157.9	494.3	411.9	381.0
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°
13026.1	0°	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1	13026.1
13077.5	2.5°	13063.8	13063.8	13015.8	12940.2	12854.4	12799.5	12710.3	12686.2	12593.6	12566.1
13194.2	5°	13221.7	13194.2	13046.6	12833.8	12542.1	12274.3	11979.2	11793.8	11532.9	11440.3
13424.2	7.5°	13420.8	13345.3	13091.3	12624.5	12013.5	11412.8	10788.1	10314.4	9861.4	9700.0
13613.0	10°	13602.7	13496.3	13063.8	12246.9	11189.7	10149.7	9154.3	8457.5	7928.9	7712.7
13822.4	12.5°	13784.6	13589.0	12881.9	11618.8	10019.2	8608.5	7547.9	7005.6	6679.5	6418.6
13994.0	15°	13956.2	13681.6	12600.4	10777.8	8735.5	7304.2	6521.6	6089.1	5828.3	5656.6
14244.6	17.5°	14155.3	13760.6	12178.2	9710.3	7513.6	6401.5	5763.0	5502.2	5450.7	5430.1
14587.8	20°	14433.3	13832.7	11622.2	8515.8	6614.3	5680.7	5351.1	5327.1	5323.7	5313.4
14999.7	22.5°	14732.0	13918.5	10887.7	7431.2	5848.9	5231.0	5172.7	5124.6	5093.7	5090.3
15497.4	25°	15085.5	13945.9	9967.8	6542.2	5196.7	5018.2	4949.6	4877.5	4856.9	4856.9
16063.7	27.5°	15428.7	13853.3	8896.8	5769.9	4829.4	4822.6	4733.3	4709.3	4705.9	4716.2
16709.0	30°	15772.0	13678.2	7832.8	5056.0	4616.6	4616.6	4585.7	4602.9	4616.6	4650.9
17594.6	32.5°	16235.4	13492.9	6943.8	4527.4	4431.3	4396.9	4427.8	4462.2	4475.9	4520.5
18758.2	35°	16915.0	13362.4	6236.7	4239.0	4239.0	4194.4	4211.6	4204.7	4173.8	4153.2
20165.5	37.5°	17814.3	13355.6	5653.2	4105.2	4077.7	4070.9	4074.3	4029.7	3909.5	3765.4
21868.0	40°	18895.5	13540.9	5203.6	4012.5	3991.9	4033.1	4012.5	3892.4	3562.9	3312.3
23961.8	42.5°	20347.4	14069.5	4915.2	3899.2	3961.0	4012.5	3930.1	3514.8	3291.7	3123.5
26347.3	45°	22056.8	14927.6	4767.6	3779.1	3902.7	3964.5	3566.3	3384.4	3205.9	3003.4
28949.1	47.5°	23992.6	16008.8	4733.3	3665.8	3772.2	3810.0	3411.8	3329.5	3126.9	2907.3
31564.6	50°	26100.2	17289.1	4826.0	3532.0	3583.5	3453.0	3360.3	3284.8	3075.5	2859.2
34245.3	52.5°	28279.7	18699.8	5011.3	3350.0	3394.7	3250.5	3339.7	3274.5	3044.6	2752.8
37015.3	55°	30421.6	20120.9	5189.8	3137.2	3202.5	3068.6	3281.4	3233.3	2903.8	2574.3
39970.6	57.5°	32597.7	21535.0	5364.9	2948.5	3017.1	2893.5	3188.7	3123.5	2745.9	2409.6
43197.1	60°	34859.7	22908.0	5447.3	2766.5	2814.6	2732.2	3048.0	2934.7	2567.5	2241.4
46368.6	62.5°	36977.5	24051.0	5313.4	2584.6	2615.5	2581.2	2862.6	2711.6	2389.0	2052.6
49674.0	65°	39102.2	24730.6	4901.5	2406.1	2413.0	2395.8	2601.8	2471.3	2179.6	1887.8
52567.6	67.5°	41027.8	25111.6	4245.9	2213.9	2196.8	2189.9	2358.1	2210.5	1977.1	1723.1
54767.8	70°	41436.2	24143.7	3243.6	1987.4	1987.4	1970.2	2090.3	1939.3	1754.0	1548.0
53192.3	72.5°	37845.9	20309.7	2303.2	1729.9	1757.4	1723.1	1822.6	1695.6	1527.4	1390.1
45843.5	75°	30517.7	14893.3	1675.0	1465.6	1513.7	1455.3	1548.0	1458.8	1314.6	1311.2
31592.0	77.5°	20968.7	9209.2	1215.1	1208.2	1242.5	1167.0	1273.4	1225.4	1094.9	1036.6
13750.3	80°	8948.3	3672.7	885.6	933.6	933.6	865.0	988.5	1002.3	889.0	861.5
2653.3	82.5°	1781.4	1043.5	621.3	641.9	604.1	583.5	700.2	775.7	1070.9	1191.1
799.8	85°	535.5	384.4	374.1	350.1	308.9	312.4	411.9	779.2	961.1	549.2
264.3	87.5°	147.6	96.1	99.5	78.9	65.2	85.8	140.7	590.4	322.6	137.3
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>
13026.1
12610.7
11508.9
9720.6
7760.7
6504.4
5687.5
5443.8
5347.7
5128.0
4877.5
4743.6
4675.0
4558.3
4201.3
3768.8
3305.4
3116.6
2989.6
2890.1
2835.2
2732.2
2557.2
2402.7
2231.1
2049.2
1867.2
1702.5
1541.2
1348.9
1180.8
971.4
861.5
1194.5
473.7
116.7
0.0

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