

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: P942446

Luminaire Tested: **GALN-SB6B-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18630 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

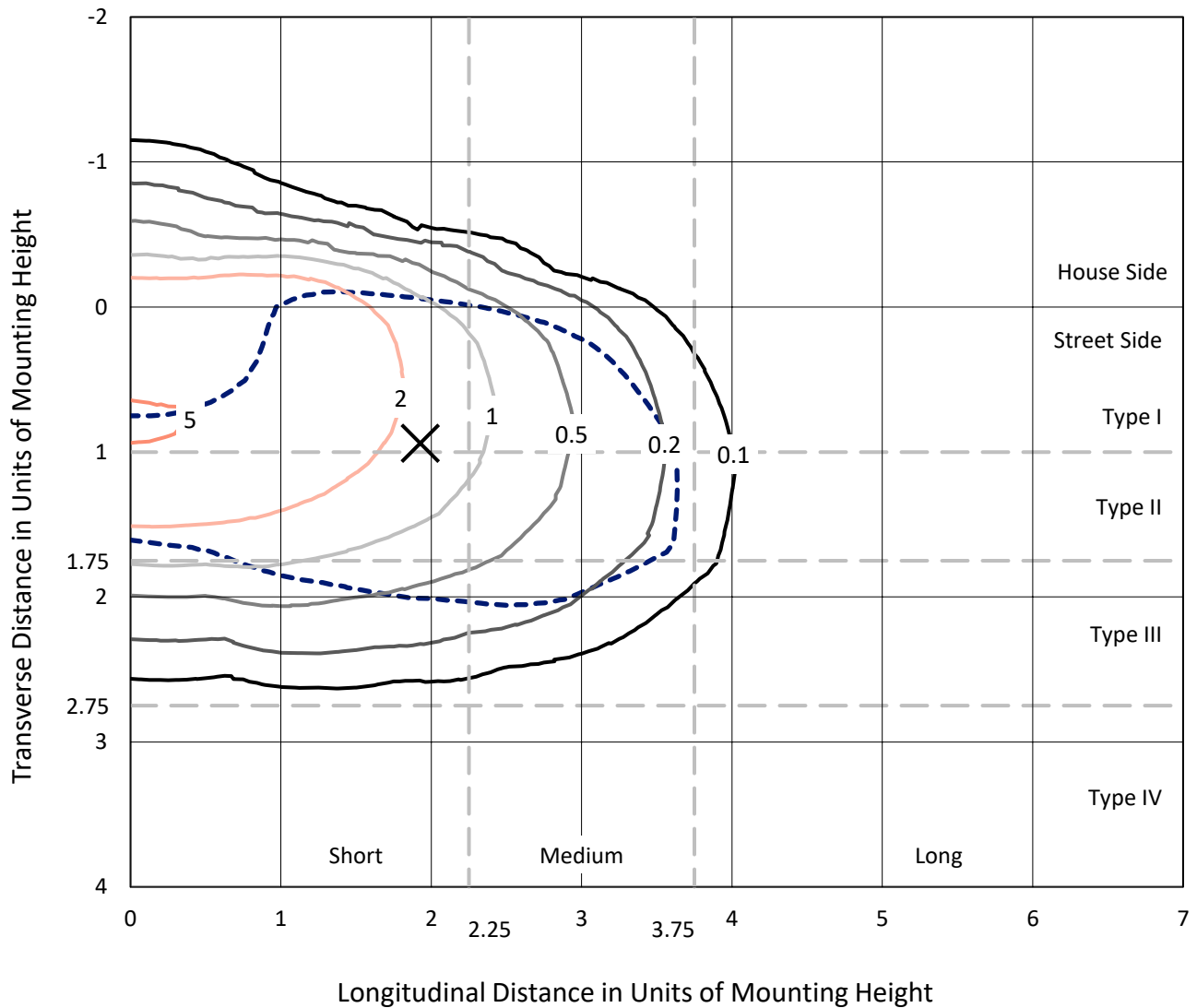
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

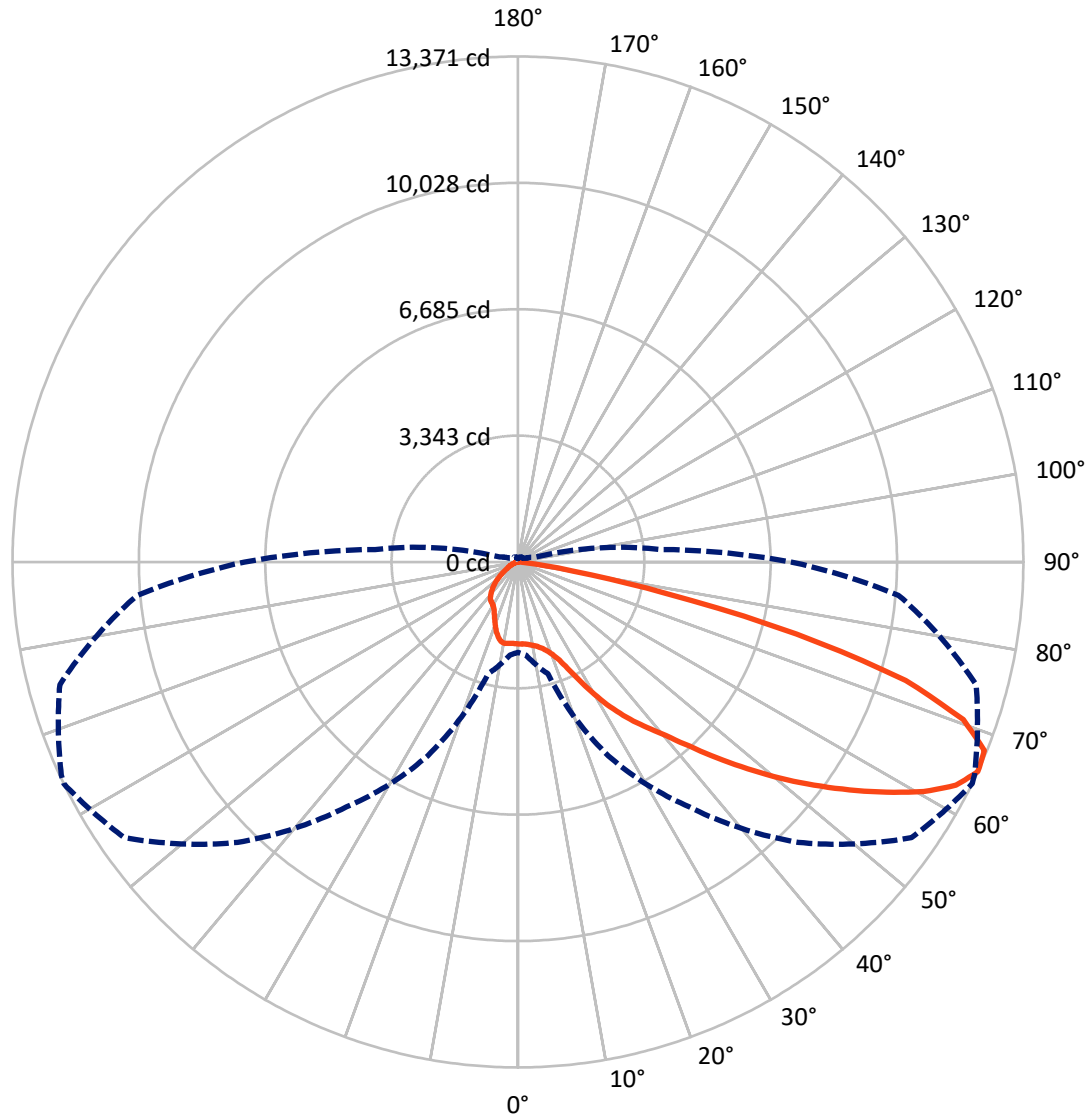
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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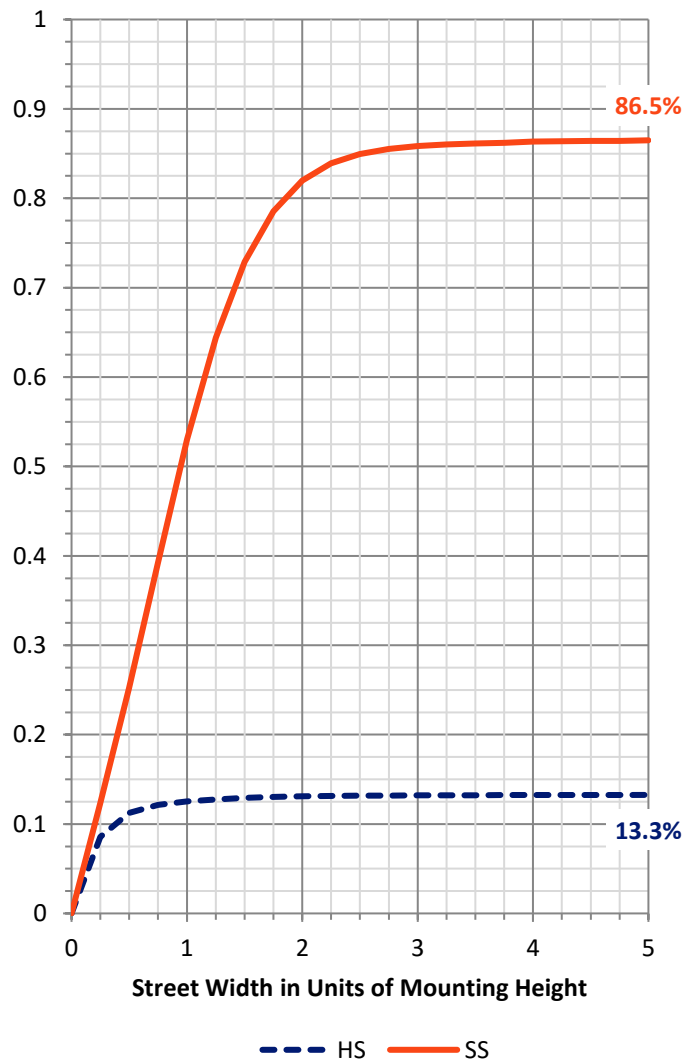
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2491.4	0.0	2491.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16138.6	0.0	16138.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	18630.0	0.0	18630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.9	1.1
10°-20°	542.2	2.9
20°-30°	1027.5	5.5
30°-40°	2079.1	11.2
40°-50°	3541.8	19.0
50°-60°	4816.6	25.9
60°-70°	4523.0	24.3
70°-80°	1812.1	9.7
80°-90°	87.8	0.5
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°	18630.0	100.0
0°-180°	18630.0	100.0

Coefficient of Utilization



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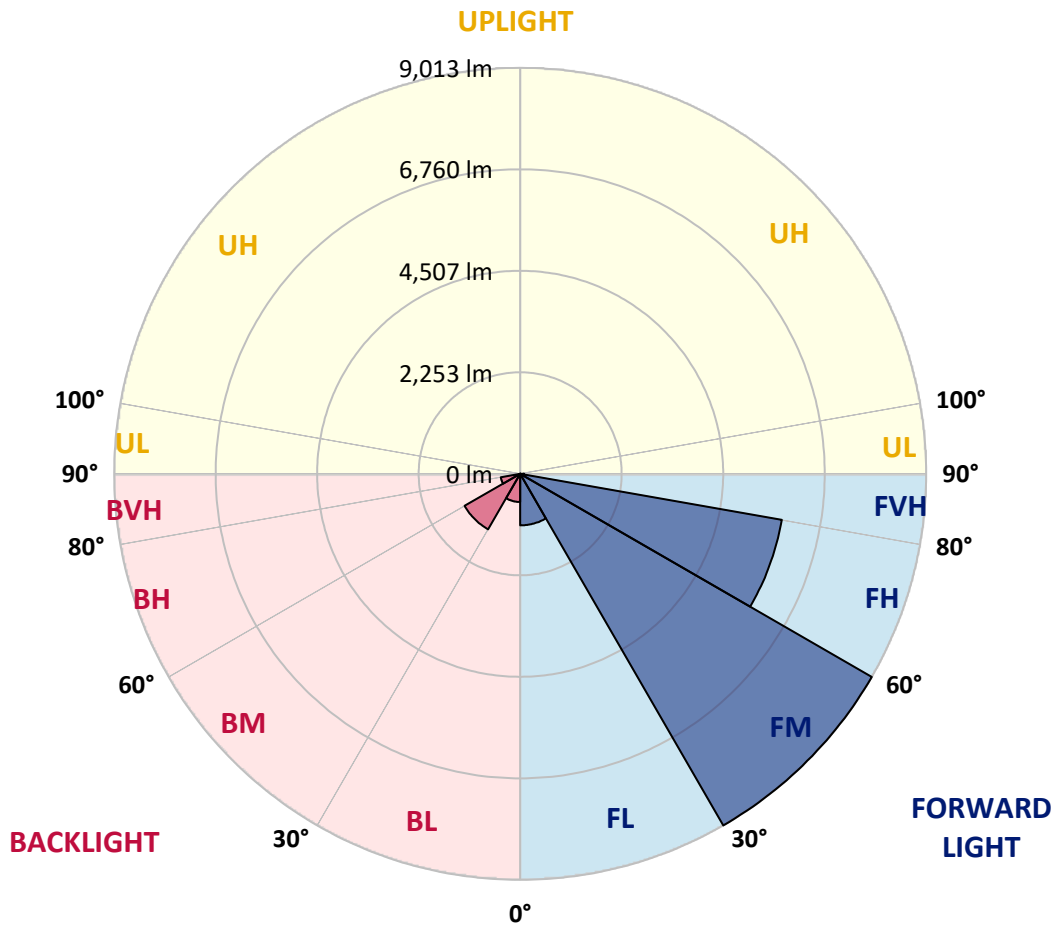
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1144.1	6.1			
FM (30°-60°)	9013.2	48.4			
FH (60°-80°)	5897.8	31.7			G3/7500
FVH (80°-90°)	83.5	0.4			G1/100
BL (0°-30°)	625.5	3.4	B2/1000		
BM (30°-60°)	1424.3	7.6	B2/2500		
BH (60°-80°)	437.3	2.3	B1/500		G1/500
BVH (80°-90°)	4.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9
2.5°	2159.4	2174.4	2170.6	2166.9	2165.6	2168.1	2169.4	2168.1	2168.1	2168.1
5°	2118.2	2130.6	2130.6	2139.4	2151.9	2166.9	2178.1	2180.6	2183.1	2186.8
7.5°	2039.5	2049.5	2057.0	2085.7	2116.9	2156.9	2190.6	2208.1	2210.6	2224.3
10°	1985.8	1998.3	2010.7	2040.7	2085.7	2145.6	2203.1	2245.5	2251.8	2284.3
12.5°	1983.3	1995.8	2012.0	2044.5	2096.9	2160.6	2230.6	2291.8	2303.0	2350.5
15°	2009.5	2024.5	2039.5	2079.4	2135.6	2213.1	2288.0	2364.2	2375.4	2442.9
17.5°	2063.2	2083.2	2094.4	2134.4	2194.3	2280.5	2379.2	2466.6	2476.6	2555.3
20°	2169.4	2193.1	2196.8	2229.3	2288.0	2380.4	2497.8	2606.5	2619.0	2708.9
22.5°	2389.2	2422.9	2392.9	2409.2	2461.6	2554.0	2681.4	2818.8	2836.3	2938.7
25°	2776.3	2823.8	2746.4	2718.9	2741.4	2837.5	2997.4	3171.0	3191.0	3273.4
27.5°	3536.9	3475.7	3358.3	3243.4	3176.0	3230.9	3410.8	3625.6	3650.6	3730.5
30°	4372.4	4318.7	4160.1	3905.3	3745.5	3736.7	3902.9	4142.6	4171.4	4247.5
32.5°	5209.2	5158.0	4985.7	4672.2	4394.9	4257.5	4372.4	4638.5	4653.4	4702.2
35°	6032.2	5979.8	5807.4	5486.5	5145.5	4833.3	4810.8	5110.5	5115.5	5166.7
37.5°	6860.3	6816.6	6633.0	6318.2	5982.3	5551.4	5342.8	5557.7	5563.9	5613.9
40°	7451.0	7469.7	7343.6	7100.1	6811.6	6340.7	5939.8	6033.5	5996.0	6079.7
42.5°	7958.1	7995.5	7885.6	7763.2	7595.9	7181.2	6679.2	6662.9	6603.0	6648.0
45°	8396.4	8427.7	8329.0	8300.3	8296.5	8005.5	7487.2	7389.8	7306.1	7297.4
47.5°	8557.5	8617.5	8660.0	8756.1	8943.5	8821.1	8322.8	8171.6	8078.0	8009.3
50°	8618.7	8682.4	8827.3	9107.1	9550.4	9602.9	9154.5	8984.7	8869.8	8744.9
52.5°	8536.3	8650.0	8844.8	9315.6	9958.8	10229.8	9952.6	9804.0	9672.8	9469.3
55°	8050.5	8164.1	8562.5	9313.1	10162.4	10669.5	10706.9	10640.7	10493.4	10172.4
57.5°	7026.4	7195.0	7825.7	8995.9	10158.7	11047.9	11446.3	11493.7	11328.9	10869.3
60°	5607.6	5836.2	6605.5	8292.8	9845.2	11252.7	12094.5	12331.8	12156.9	11556.2
62.5°	3912.8	4177.6	4905.7	7191.2	9128.3	11105.3	12567.8	13006.2	12873.8	12170.6
65°	2386.7	2471.6	3058.6	5658.8	7909.4	10488.4	12713.9	13370.9	13327.1	12546.6
67.5°	1589.9	1661.1	1829.7	3880.4	6139.7	9255.7	12364.2	13307.2	13319.6	12485.4
70°	957.9	1019.1	1129.0	2256.8	3979.0	7326.1	11281.4	12495.4	12567.8	11667.3
72.5°	394.7	435.9	535.8	1022.9	2060.7	4649.7	8983.4	10728.2	10896.8	9810.2
75°	223.6	244.8	314.7	513.3	894.2	2166.9	5441.5	7615.9	7864.4	6761.6
77.5°	148.6	158.6	203.6	332.2	503.3	739.4	2325.5	3967.8	4442.4	3693.0
80°	99.9	108.7	139.9	222.3	327.2	317.2	740.6	1470.0	1808.4	1268.9
82.5°	67.4	68.7	99.9	146.1	207.3	153.6	218.6	457.1	574.5	367.2
85°	38.7	37.5	73.7	84.9	92.4	63.7	66.2	137.4	179.8	154.9
87.5°	5.0	7.5	28.7	22.5	12.5	13.7	13.7	23.7	35.0	37.5
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°
2166.9	0°	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9	2166.9
2169.4	2.5°	2169.4	2168.1	2164.4	2160.6	2151.9	2146.9	2149.4	2146.9	2145.6	2146.9
2185.6	5°	2185.6	2181.8	2171.9	2159.4	2141.9	2120.7	2106.9	2086.9	2068.2	2057.0
2229.3	7.5°	2229.3	2225.6	2211.8	2176.9	2120.7	2032.0	1950.8	1879.6	1825.9	1794.7
2299.2	10°	2299.2	2293.0	2271.8	2194.3	2047.0	1853.4	1692.3	1558.6	1471.2	1430.0
2381.7	12.5°	2381.7	2374.2	2336.7	2178.1	1907.1	1604.9	1382.5	1233.9	1152.7	1116.5
2476.6	15°	2479.1	2469.1	2395.4	2100.7	1703.5	1330.1	1126.5	1015.4	962.9	930.4
2597.7	17.5°	2600.2	2582.8	2439.1	1984.5	1482.5	1120.3	969.2	885.5	839.3	808.0
2756.3	20°	2757.6	2728.9	2474.1	1845.9	1278.9	987.9	863.0	793.1	758.1	730.6
2981.2	22.5°	2977.4	2936.2	2516.6	1696.0	1135.3	896.7	784.3	733.1	704.4	673.2
3294.6	25°	3249.7	3201.0	2569.0	1557.4	1036.6	818.0	726.9	684.4	650.7	614.5
3705.5	27.5°	3630.6	3543.2	2631.5	1443.7	951.7	750.6	674.4	627.0	588.2	558.3
4171.4	30°	4055.2	3911.6	2686.4	1375.1	874.2	688.2	605.7	558.3	522.0	500.8
4589.8	32.5°	4457.4	4262.5	2722.6	1345.1	804.3	617.0	530.8	479.6	452.1	445.9
4999.4	35°	4837.0	4579.8	2718.9	1316.4	741.9	545.8	457.1	404.6	383.4	387.2
5440.3	37.5°	5274.2	4918.2	2692.7	1271.4	690.6	480.8	393.4	347.2	328.5	329.7
5976.0	40°	5782.5	5309.1	2676.4	1186.5	634.4	420.9	341.0	303.5	289.7	284.8
6540.6	42.5°	6324.5	5687.5	2678.9	1090.3	564.5	367.2	304.7	273.5	261.0	257.3
7168.8	45°	6869.0	6048.5	2682.7	990.4	490.8	326.0	278.5	252.3	244.8	239.8
7805.7	47.5°	7381.1	6355.7	2612.7	883.0	418.4	294.7	257.3	239.8	233.5	227.3
8445.1	50°	7858.2	6560.5	2444.1	758.1	360.9	269.8	241.0	228.6	222.3	216.1
9024.6	52.5°	8229.1	6593.0	2165.6	629.5	321.0	251.0	231.0	219.8	212.3	206.1
9493.0	55°	8393.9	6389.4	1769.7	509.6	289.7	234.8	221.1	209.8	201.1	194.8
9861.4	57.5°	8351.5	5961.1	1380.0	409.6	259.8	218.6	208.6	201.1	191.1	181.1
10159.9	60°	8142.9	5387.8	1040.3	341.0	232.3	201.1	194.8	188.6	174.8	159.9
10274.8	62.5°	7782.0	4667.2	741.9	282.3	202.3	181.1	178.6	173.6	153.6	126.1
10104.9	65°	7230.0	3791.7	499.6	234.8	173.6	158.6	159.9	151.1	124.9	93.7
9483.0	67.5°	6423.2	2772.6	319.7	192.3	144.9	132.4	133.6	128.6	106.2	79.9
8304.0	70°	5395.3	1835.9	208.6	146.1	116.1	102.4	109.9	111.2	89.9	64.9
6373.2	72.5°	3955.3	1084.1	146.1	108.7	84.9	71.2	89.9	92.4	72.4	48.7
3834.2	75°	2254.3	514.6	109.9	78.7	52.5	50.0	69.9	69.9	50.0	32.5
1659.8	77.5°	946.7	214.8	77.4	51.2	30.0	28.7	47.5	43.7	25.0	15.0
404.6	80°	273.5	96.2	41.2	25.0	12.5	11.2	18.7	13.7	6.2	2.5
153.6	82.5°	107.4	42.5	16.2	10.0	5.0	5.0	2.5	0.0	0.0	0.0
87.4	85°	63.7	17.5	7.5	3.7	1.2	0.0	0.0	0.0	0.0	0.0
18.7	87.5°	16.2	3.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

180°
2166.9
2151.9
2059.5
1795.9
1426.3
1112.8
931.7
805.5
725.6
668.2
610.7
552.0
497.1
449.6
387.2
334.7
283.5
256.0
239.8
227.3
216.1
204.8
193.6
179.8
157.4
123.6
91.2
76.2
62.4
46.2
30.0
15.0
2.5
0.0
0.0
0.0
0.0

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