

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: P942436

Luminaire Tested: **GALN-SB6B-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942436
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-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 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: 19406 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

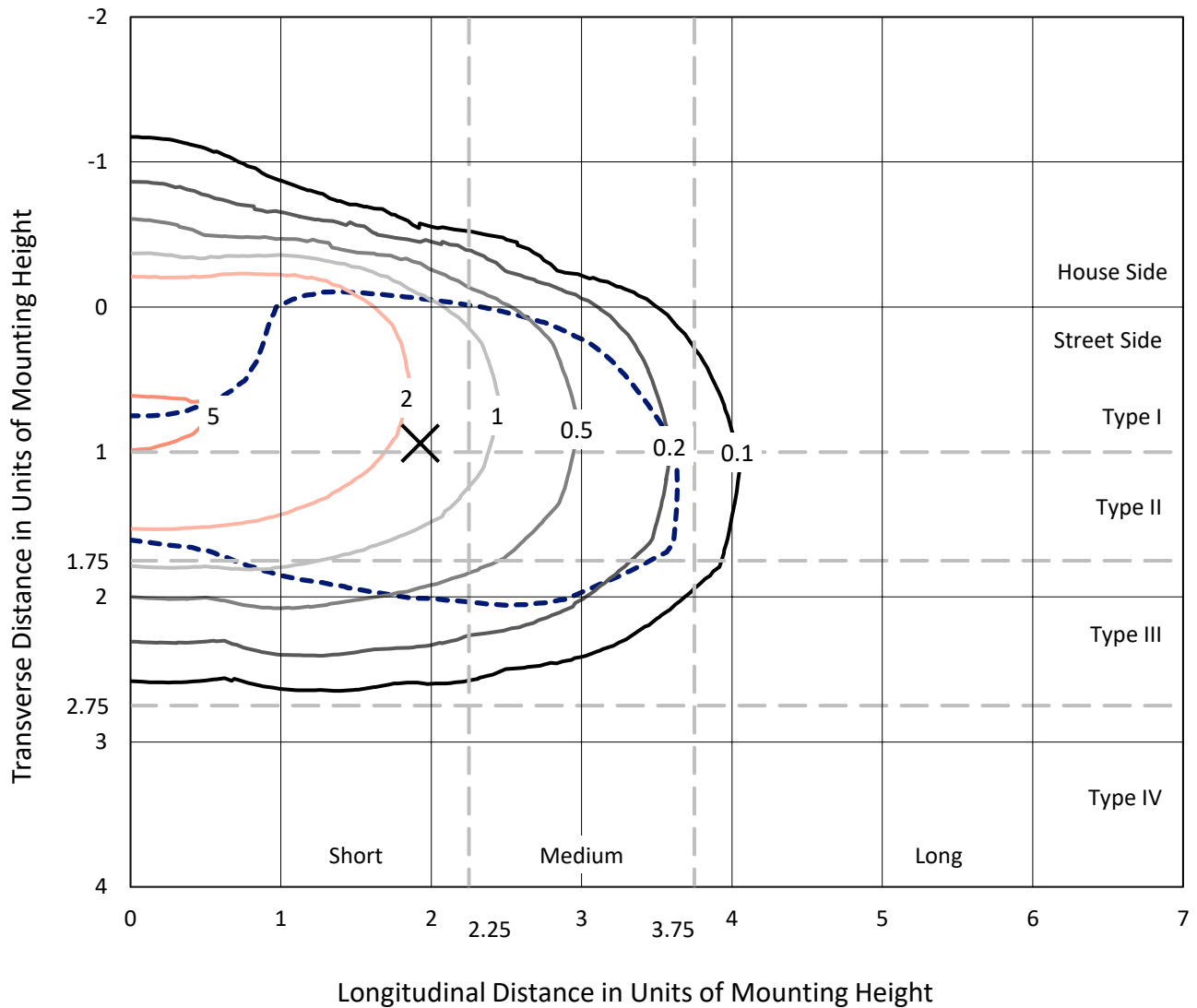
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

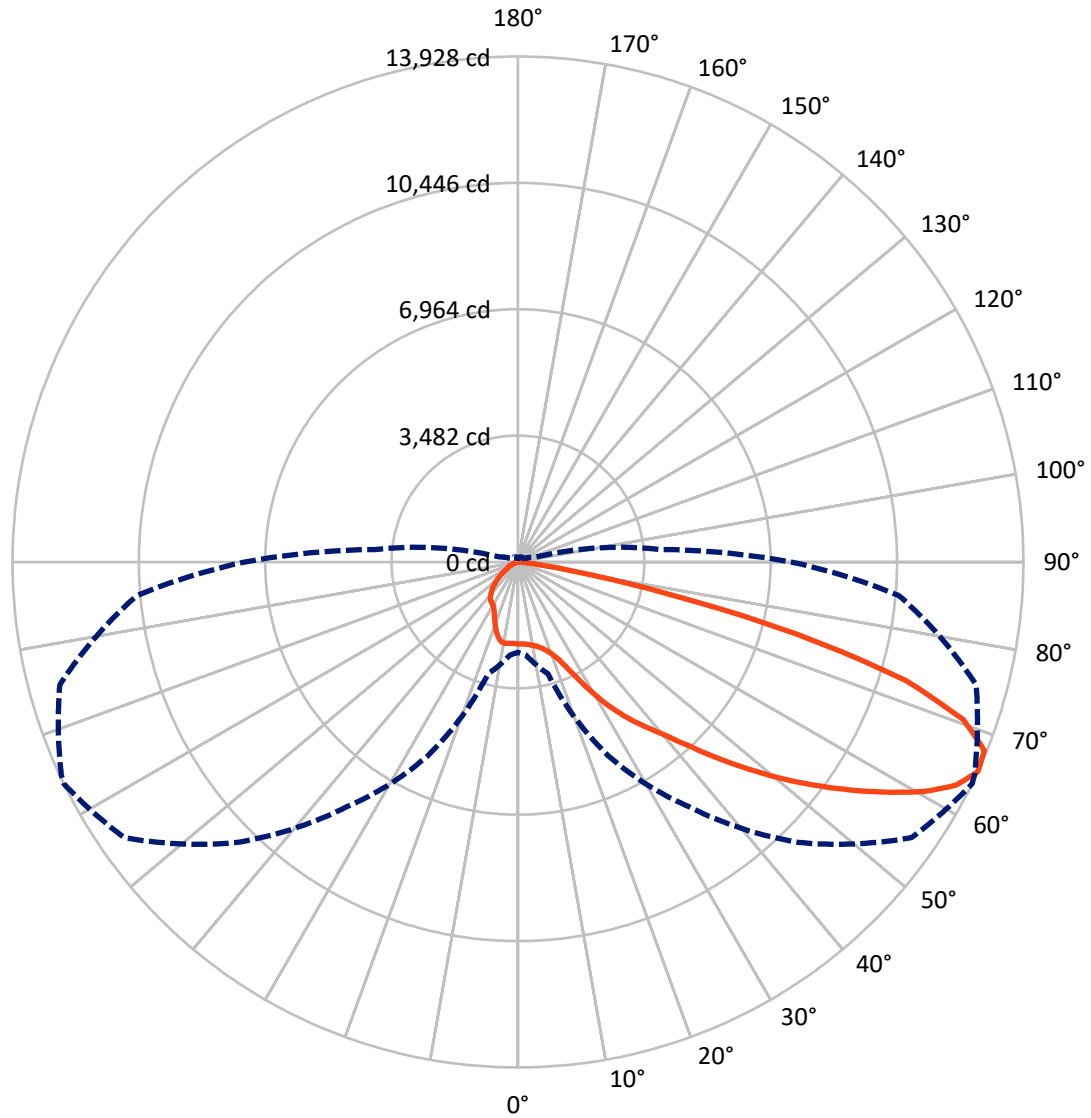
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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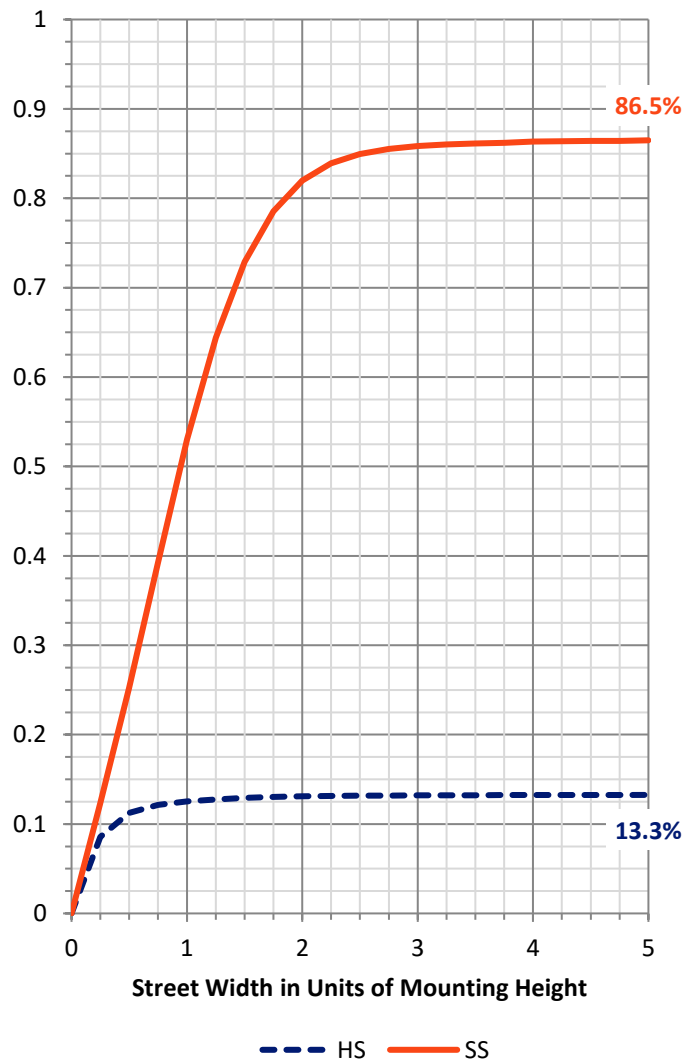
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2595.2	0.0	2595.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16810.8	0.0	16810.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	19406.0	0.0	19406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	1.1
10°-20°	564.8	2.9
20°-30°	1070.3	5.5
30°-40°	2165.7	11.2
40°-50°	3689.3	19.0
50°-60°	5017.2	25.9
60°-70°	4711.4	24.3
70°-80°	1887.6	9.7
80°-90°	91.4	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°	19406.0	100.0
0°-180°	19406.0	100.0

Coefficient of Utilization



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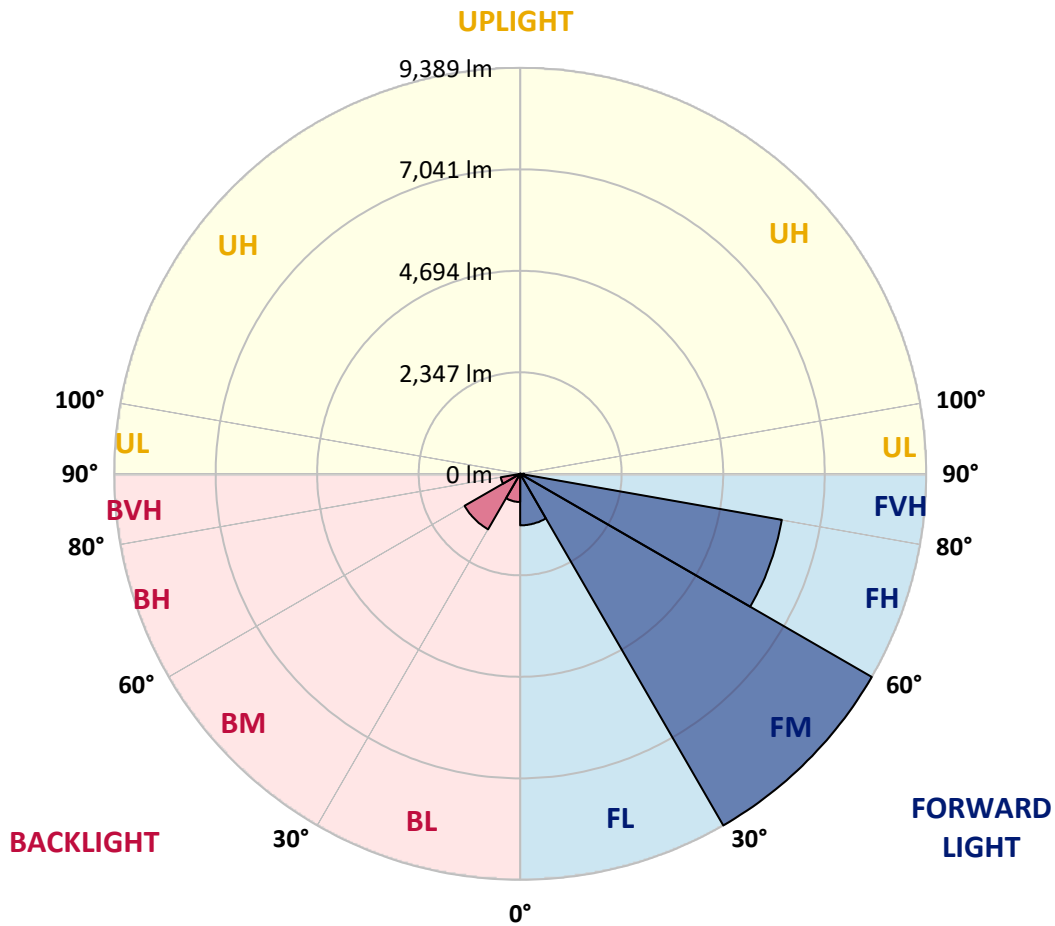
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1191.8	6.1			
FM (30°-60°)	9388.6	48.4			
FH (60°-80°)	6143.5	31.7			G3/7500
FVH (80°-90°)	87.0	0.4			G1/100
BL (0°-30°)	651.6	3.4	B2/1000		
BM (30°-60°)	1483.6	7.6	B2/2500		
BH (60°-80°)	455.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.5	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°	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1
2.5°	2249.3	2264.9	2261.0	2257.1	2255.8	2258.4	2259.7	2258.4	2258.4	2258.4
5°	2206.4	2219.4	2219.4	2228.5	2241.5	2257.1	2268.8	2271.4	2274.0	2277.9
7.5°	2124.4	2134.8	2142.6	2172.6	2205.1	2246.7	2281.8	2300.1	2302.7	2317.0
10°	2068.5	2081.5	2094.5	2125.7	2172.6	2235.0	2294.8	2339.1	2345.6	2379.4
12.5°	2065.9	2078.9	2095.8	2129.6	2184.3	2250.6	2323.5	2387.2	2398.9	2448.4
15°	2093.2	2108.8	2124.4	2166.1	2224.6	2305.3	2383.3	2462.7	2474.4	2544.6
17.5°	2149.1	2170.0	2181.7	2223.3	2285.7	2375.5	2478.3	2569.3	2579.8	2661.7
20°	2259.7	2284.4	2288.3	2322.2	2383.3	2479.6	2601.9	2715.0	2728.1	2821.7
22.5°	2488.7	2523.8	2492.6	2509.5	2564.1	2660.4	2793.1	2936.2	2954.4	3061.1
25°	2892.0	2941.4	2860.8	2832.1	2855.5	2955.7	3122.2	3303.1	3323.9	3409.7
27.5°	3684.2	3620.5	3498.2	3378.5	3308.3	3365.5	3552.8	3776.6	3802.6	3885.9
30°	4554.6	4498.6	4333.4	4068.0	3901.5	3892.4	4065.4	4315.2	4345.1	4424.5
32.5°	5426.2	5372.9	5193.3	4866.8	4578.0	4434.9	4554.6	4831.7	4847.3	4898.0
35°	6283.5	6228.9	6049.3	5715.0	5359.8	5034.6	5011.2	5323.4	5328.6	5382.0
37.5°	7146.0	7100.5	6909.3	6581.4	6231.5	5782.6	5565.4	5789.2	5795.7	5847.7
40°	7761.4	7780.9	7649.5	7395.8	7095.3	6604.8	6187.2	6284.8	6245.8	6332.9
42.5°	8289.5	8328.6	8214.1	8086.6	7912.3	7480.4	6957.4	6940.5	6878.0	6924.9
45°	8746.2	8778.7	8675.9	8646.0	8642.1	8339.0	7799.1	7697.6	7610.5	7601.4
47.5°	8914.0	8976.4	9020.7	9120.8	9316.0	9188.5	8669.4	8512.0	8414.4	8342.9
50°	8977.7	9044.1	9195.0	9486.4	9948.2	10002.9	9535.8	9358.9	9239.2	9109.1
52.5°	8891.9	9010.3	9213.2	9703.7	10373.6	10655.9	10367.1	10212.3	10075.7	9863.7
55°	8385.8	8504.2	8919.2	9701.1	10585.7	11113.9	11152.9	11084.0	10930.4	10596.1
57.5°	7319.1	7494.7	8151.6	9370.6	10581.8	11508.1	11923.1	11972.5	11800.8	11322.0
60°	5841.2	6079.3	6880.6	8638.2	10255.3	11721.4	12598.2	12845.4	12663.3	12037.5
62.5°	4075.8	4351.6	5110.1	7490.8	9508.5	11567.9	13091.3	13547.9	13410.0	12677.6
65°	2486.1	2574.5	3186.0	5894.5	8238.8	10925.2	13243.5	13927.8	13882.3	13069.2
67.5°	1656.1	1730.2	1905.9	4042.0	6395.4	9641.2	12879.2	13861.4	13874.5	13005.4
70°	997.8	1061.6	1176.0	2350.8	4144.8	7631.3	11751.3	13015.8	13091.3	12153.3
72.5°	411.1	454.0	558.1	1065.5	2146.5	4843.4	9357.6	11175.0	11350.6	10218.8
75°	232.9	255.0	327.8	534.7	931.5	2257.1	5668.2	7933.1	8192.0	7043.3
77.5°	154.8	165.2	212.1	346.0	524.3	770.2	2422.3	4133.1	4627.4	3846.9
80°	104.1	113.2	145.7	231.6	340.8	330.4	771.5	1531.2	1883.8	1321.7
82.5°	70.3	71.6	104.1	152.2	216.0	160.0	227.7	476.1	598.4	382.5
85°	40.3	39.0	76.8	88.5	96.3	66.3	68.9	143.1	187.3	161.3
87.5°	5.2	7.8	29.9	23.4	13.0	14.3	14.3	24.7	36.4	39.0
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°
2257.1	0°	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1
2259.7	2.5°	2259.7	2258.4	2254.5	2250.6	2241.5	2236.3	2238.9	2236.3	2235.0	2236.3
2276.6	5°	2276.6	2272.7	2262.3	2249.3	2231.1	2209.0	2194.7	2173.9	2154.3	2142.6
2322.2	7.5°	2322.2	2318.3	2304.0	2267.5	2209.0	2116.6	2032.1	1957.9	1902.0	1869.4
2395.0	10°	2395.0	2388.5	2366.4	2285.7	2132.2	1930.6	1762.8	1623.6	1532.5	1489.6
2480.9	12.5°	2480.9	2473.1	2434.0	2268.8	1986.5	1671.7	1440.1	1285.3	1200.8	1163.0
2579.8	15°	2582.4	2571.9	2495.2	2188.2	1774.5	1385.5	1173.4	1057.7	1003.0	969.2
2705.9	17.5°	2708.5	2690.3	2540.7	2067.2	1544.2	1166.9	1009.5	922.4	874.2	841.7
2871.2	20°	2872.5	2842.5	2577.1	1922.8	1332.2	1029.0	898.9	826.1	789.7	761.0
3105.3	22.5°	3101.4	3058.5	2621.4	1766.7	1182.5	934.1	817.0	763.6	733.7	701.2
3431.9	25°	3385.0	3334.3	2676.0	1622.3	1079.8	852.1	757.1	712.9	677.8	640.1
3859.9	27.5°	3781.8	3690.7	2741.1	1503.9	991.3	781.9	702.5	653.1	612.7	581.5
4345.1	30°	4224.1	4074.5	2798.3	1432.3	910.7	716.8	631.0	581.5	543.8	521.7
4780.9	32.5°	4643.0	4440.1	2836.0	1401.1	837.8	642.7	552.9	499.6	470.9	464.4
5207.6	35°	5038.5	4770.5	2832.1	1371.2	772.8	568.5	476.1	421.5	399.4	403.3
5666.9	37.5°	5493.8	5123.1	2804.8	1324.4	719.4	500.9	409.8	361.7	342.1	343.4
6225.0	40°	6023.3	5530.3	2787.9	1235.9	660.9	438.4	355.2	316.1	301.8	296.6
6813.0	42.5°	6587.9	5924.5	2790.5	1135.7	588.0	382.5	317.4	284.9	271.9	268.0
7467.4	45°	7155.1	6300.4	2794.4	1031.6	511.3	339.5	290.1	262.8	255.0	249.8
8130.8	47.5°	7688.5	6620.4	2721.6	919.8	435.8	307.0	268.0	249.8	243.3	236.8
8796.9	50°	8185.5	6833.8	2545.9	789.7	376.0	281.0	251.1	238.1	231.6	225.1
9400.5	52.5°	8571.8	6867.6	2255.8	655.7	334.3	261.5	240.7	229.0	221.2	214.7
9888.4	55°	8743.6	6655.6	1843.4	530.8	301.8	244.6	230.3	218.6	209.5	202.9
10272.2	57.5°	8699.3	6209.4	1437.5	426.7	270.6	227.7	217.3	209.5	199.0	188.6
10583.1	60°	8482.1	5612.2	1083.7	355.2	242.0	209.5	202.9	196.4	182.1	166.5
10702.8	62.5°	8106.1	4861.6	772.8	294.0	210.8	188.6	186.0	180.8	160.0	131.4
10525.9	65°	7531.1	3949.6	520.4	244.6	180.8	165.2	166.5	157.4	130.1	97.6
9878.0	67.5°	6690.7	2888.1	333.0	200.3	150.9	137.9	139.2	134.0	110.6	83.3
8649.9	70°	5620.0	1912.4	217.3	152.2	121.0	106.7	114.5	115.8	93.7	67.6
6638.7	72.5°	4120.1	1129.2	152.2	113.2	88.5	74.2	93.7	96.3	75.5	50.7
3993.9	75°	2348.2	536.0	114.5	82.0	54.6	52.0	72.9	72.9	52.0	33.8
1728.9	77.5°	986.1	223.8	80.7	53.3	31.2	29.9	49.4	45.5	26.0	15.6
421.5	80°	284.9	100.2	42.9	26.0	13.0	11.7	19.5	14.3	6.5	2.6
160.0	82.5°	111.9	44.2	16.9	10.4	5.2	5.2	2.6	0.0	0.0	0.0
91.1	85°	66.3	18.2	7.8	3.9	1.3	0.0	0.0	0.0	0.0	0.0
19.5	87.5°	16.9	3.9	2.6	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

<u>180°</u>
2257.1
2241.5
2145.2
1870.7
1485.7
1159.1
970.5
839.1
755.8
696.0
636.2
575.0
517.8
468.3
403.3
348.7
295.3
266.7
249.8
236.8
225.1
213.4
201.6
187.3
163.9
128.8
95.0
79.4
65.0
48.1
31.2
15.6
2.6
0.0
0.0
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