

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: P939694

Luminaire Tested: **GALN-SB2B-930-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5720 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

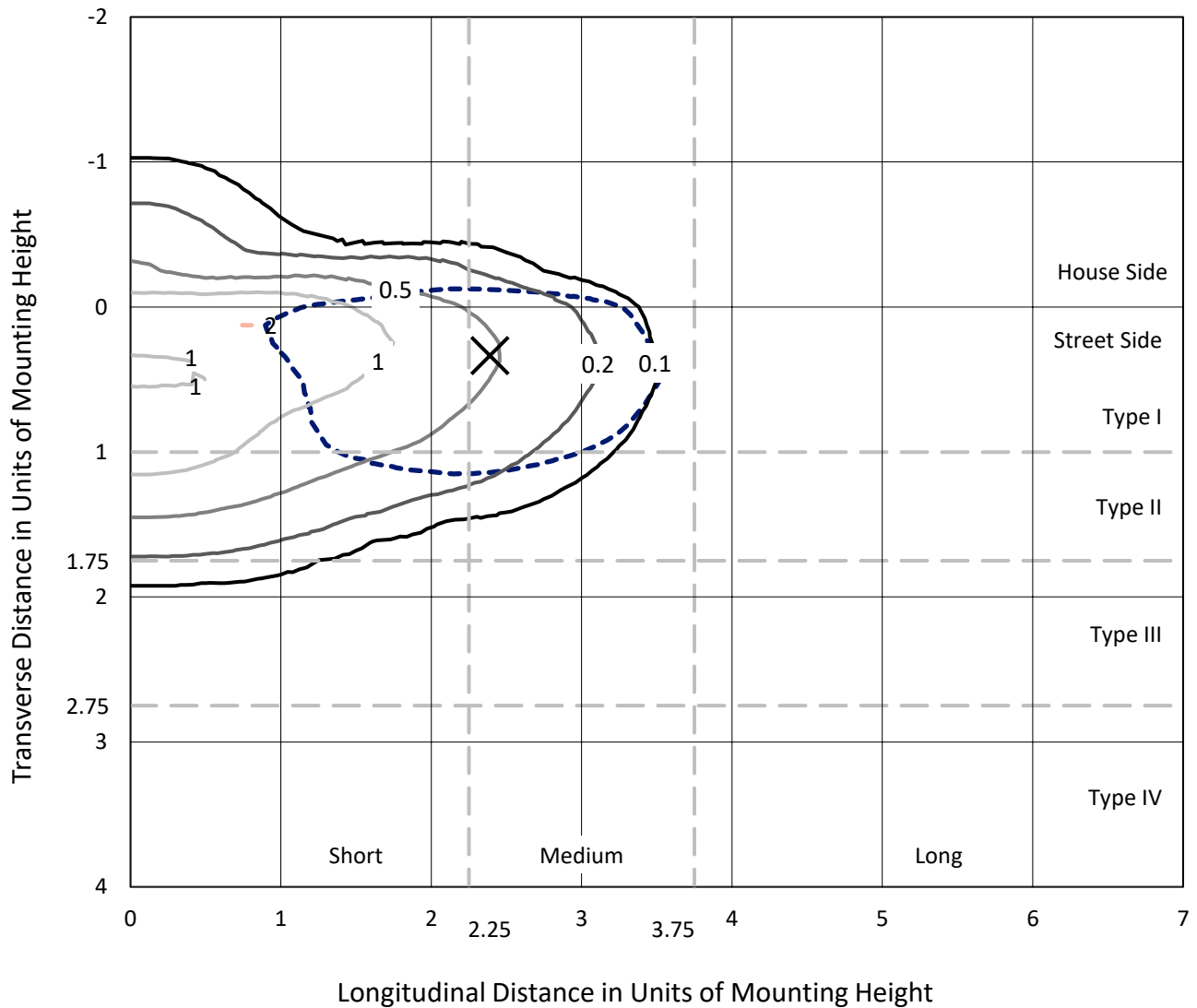
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

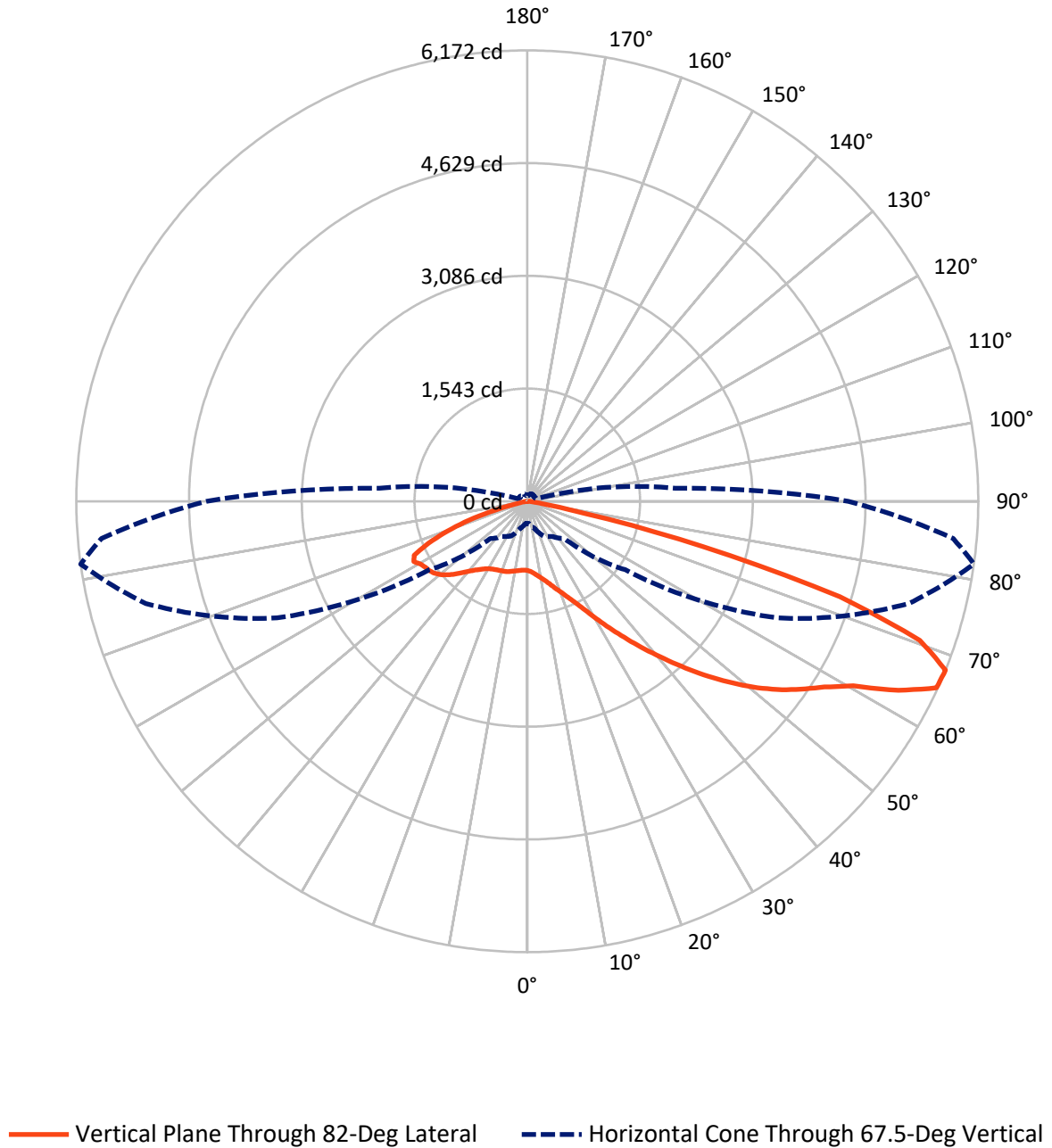
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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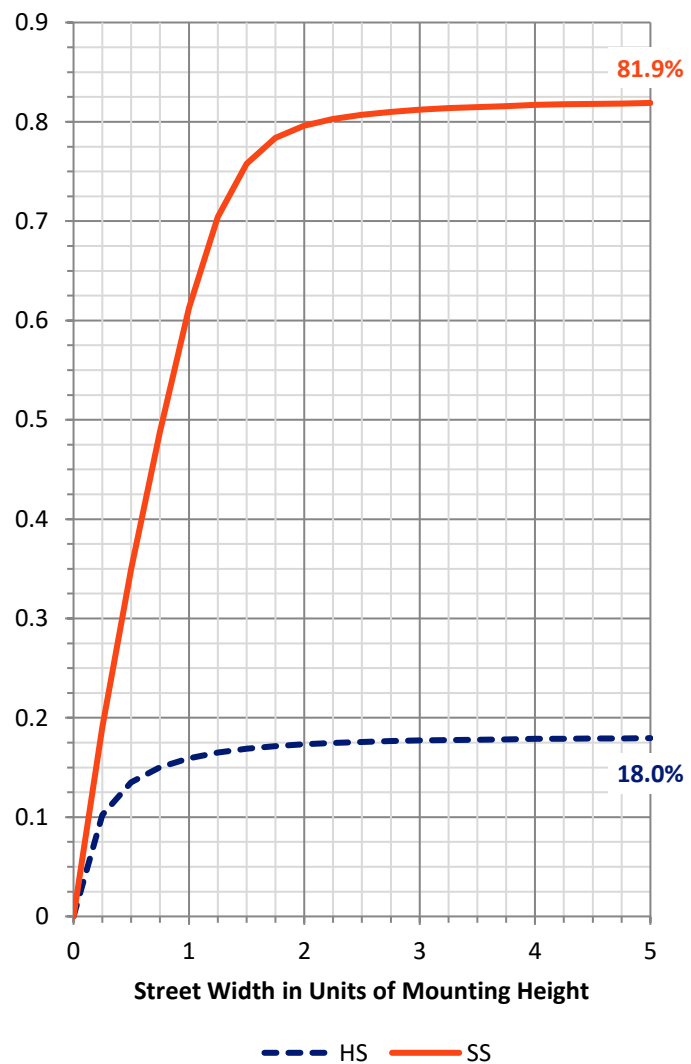
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1036.1	0.0	1036.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4683.9	0.0	4683.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	5720.0	0.0	5720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	1.5
10°-20°	219.4	3.8
20°-30°	351.4	6.1
30°-40°	621.4	10.9
40°-50°	1088.7	19.0
50°-60°	1452.0	25.4
60°-70°	1351.7	23.6
70°-80°	518.8	9.1
80°-90°	32.2	0.6
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°	5720.0	100.0
0°-180°	5720.0	100.0

Coefficient of Utilization



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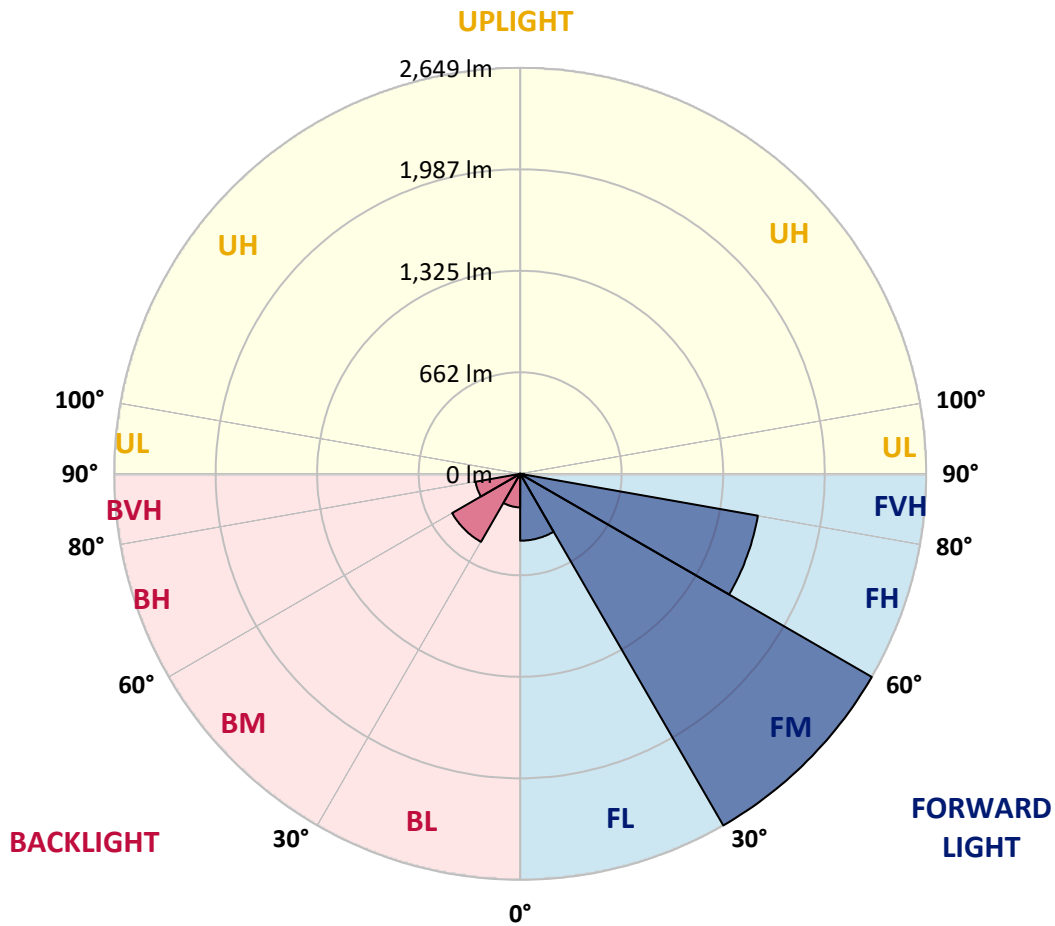
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.4	7.6			
FM (30°-60°)	2649.3	46.3			
FH (60°-80°)	1574.8	27.5			G1/1800
FVH (80°-90°)	23.4	0.4			G1/100
BL (0°-30°)	218.8	3.8	B1/500		
BM (30°-60°)	512.8	9.0	B1/1000		
BH (60°-80°)	295.7	5.2	B1/500		G1/500
BVH (80°-90°)	8.8	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6
2.5°	1001.6	1007.3	1004.0	1002.4	999.5	995.4	992.1	981.8	971.1	964.1
5°	1021.7	1027.5	1027.1	1028.7	1030.8	1032.0	1031.2	1019.7	1004.4	992.5
7.5°	1004.4	1011.0	1016.4	1024.6	1039.0	1054.3	1061.7	1059.2	1043.6	1027.1
10°	955.4	962.4	975.2	994.6	1025.0	1058.0	1085.6	1098.3	1088.5	1070.3
12.5°	865.7	872.7	897.8	939.8	990.9	1048.1	1100.8	1135.0	1137.5	1119.3
15°	764.8	771.8	798.5	851.2	929.1	1020.9	1109.0	1173.7	1195.5	1179.9
17.5°	702.2	708.3	728.5	770.9	852.1	966.6	1106.2	1214.9	1264.7	1252.4
20°	683.2	688.6	698.0	727.7	795.2	910.1	1087.2	1253.6	1339.3	1332.3
22.5°	703.4	708.3	711.2	724.4	766.8	873.1	1063.3	1293.1	1425.7	1426.6
25°	749.9	754.9	751.6	759.8	778.4	861.5	1054.3	1339.7	1534.5	1543.5
27.5°	826.5	826.9	819.1	818.7	821.6	878.8	1063.7	1389.5	1671.6	1688.5
30°	980.1	974.0	943.9	911.4	896.5	930.7	1090.1	1448.4	1833.4	1863.5
32.5°	1216.9	1207.9	1152.7	1074.9	996.6	1014.3	1137.5	1515.5	2009.7	2064.1
35°	1473.9	1471.5	1413.8	1298.1	1161.3	1133.3	1214.5	1603.6	2202.0	2288.5
37.5°	1712.8	1711.5	1678.6	1542.3	1375.9	1299.3	1338.0	1719.0	2407.9	2533.1
40°	1931.0	1934.8	1901.8	1779.9	1612.3	1512.2	1506.0	1861.5	2636.9	2799.6
42.5°	2119.7	2123.8	2090.4	2000.2	1845.8	1747.8	1712.4	2036.1	2860.5	3085.8
45°	2247.7	2273.3	2268.3	2196.3	2085.5	1983.8	1960.3	2255.2	3115.5	3389.3
47.5°	2284.0	2307.5	2344.5	2354.4	2286.9	2186.8	2214.8	2519.1	3373.3	3693.3
50°	2194.6	2216.4	2293.5	2396.0	2442.9	2412.1	2462.3	2802.1	3637.2	3996.4
52.5°	2018.4	2040.6	2137.8	2300.0	2491.5	2588.7	2710.6	3080.9	3893.0	4283.4
55°	1763.4	1786.9	1911.7	2095.4	2398.9	2661.6	2917.8	3359.3	4127.3	4541.6
57.5°	1416.7	1434.0	1563.7	1820.7	2165.8	2589.1	3070.6	3663.2	4348.1	4795.3
60°	923.3	938.6	1089.3	1375.9	1779.5	2347.0	3101.0	4002.1	4641.3	5125.2
62.5°	614.0	624.3	713.7	924.1	1253.2	1882.0	2922.7	4272.7	5071.2	5699.3
65°	421.3	431.6	521.0	667.6	809.6	1244.9	2410.0	4236.9	5460.8	6155.1
67.5°	300.6	309.3	385.1	523.4	586.0	723.2	1633.7	3778.9	5404.8	6172.4
70°	215.4	220.3	282.9	407.7	465.8	434.5	908.5	2890.2	4732.3	5699.7
72.5°	150.7	152.4	196.4	310.5	375.2	317.1	432.4	1926.9	3579.2	4473.7
75°	102.1	104.2	132.2	227.7	301.0	242.2	229.0	1033.3	2101.1	2476.3
77.5°	62.6	63.4	85.2	155.7	225.3	184.5	147.4	437.8	812.9	798.1
80°	35.4	35.4	54.4	96.8	153.6	119.0	103.4	186.1	257.4	226.1
82.5°	19.8	20.2	39.5	60.1	101.7	70.4	56.8	86.1	111.2	98.4
85°	8.2	9.1	24.3	28.4	48.6	35.0	23.1	36.2	41.2	36.7
87.5°	0.8	1.2	7.4	5.4	5.8	7.0	3.3	7.0	5.8	5.8
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°
947.6	0°	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6	947.6
961.6	2.5°	953.8	947.6	932.0	913.8	890.0	878.4	862.8	852.1	843.0	843.8
985.5	5°	972.3	956.7	921.7	878.0	823.7	784.9	743.8	715.3	692.3	687.3
1018.4	7.5°	997.9	973.1	911.8	833.1	741.3	671.7	609.5	569.6	541.1	532.1
1058.4	10°	1030.8	995.0	899.0	776.7	644.5	556.0	489.2	457.9	438.6	432.0
1105.3	12.5°	1069.1	1020.1	882.1	707.9	544.8	459.6	417.2	401.5	395.4	393.3
1163.0	15°	1117.3	1051.4	856.6	626.4	460.4	400.7	382.6	380.5	381.4	380.5
1232.2	17.5°	1174.5	1085.6	815.0	542.4	403.6	370.6	364.1	365.7	367.8	367.3
1309.6	20°	1237.1	1119.3	761.9	467.8	364.9	349.2	345.5	347.2	348.8	348.0
1399.0	22.5°	1308.4	1155.6	703.0	409.8	338.9	329.5	325.3	325.8	325.8	324.1
1512.2	25°	1393.6	1195.5	641.2	368.6	319.2	311.8	306.8	305.2	302.7	297.7
1649.8	27.5°	1495.3	1237.9	581.9	339.8	303.5	296.5	290.7	286.6	280.5	272.2
1814.9	30°	1609.8	1289.4	531.7	321.6	291.2	284.2	277.6	271.4	262.3	252.0
2004.8	32.5°	1744.5	1344.6	495.0	309.7	280.0	272.6	264.8	257.4	247.5	237.2
2218.1	35°	1905.1	1411.3	473.6	301.5	271.4	261.5	252.9	244.6	237.2	228.2
2449.9	37.5°	2079.3	1482.2	467.0	297.3	265.6	250.4	240.5	234.7	233.9	228.6
2700.8	40°	2270.0	1566.2	472.0	294.9	259.5	239.7	229.0	227.7	229.8	220.3
2968.8	42.5°	2471.8	1665.8	480.2	292.0	250.8	229.0	218.7	218.7	217.0	203.9
3252.2	45°	2690.0	1780.7	488.4	285.0	240.5	218.3	210.4	207.6	200.6	187.8
3537.2	47.5°	2910.0	1897.7	494.6	272.2	228.2	209.2	202.2	195.6	185.3	173.8
3816.8	50°	3118.8	2002.7	488.0	253.3	214.1	200.6	193.1	184.1	173.0	165.1
4081.6	52.5°	3305.3	2093.7	460.0	231.0	199.3	191.5	184.9	175.4	166.4	158.1
4320.5	55°	3467.6	2167.4	410.6	210.0	186.1	183.7	177.1	165.1	152.8	145.8
4557.3	57.5°	3623.2	2223.4	348.8	192.7	174.2	175.0	165.1	154.4	142.9	135.5
4876.4	60°	3830.4	2298.4	286.2	176.7	161.4	163.9	153.2	145.4	131.0	121.5
5423.7	62.5°	4161.5	2414.9	227.3	156.9	146.6	147.4	142.9	133.4	116.1	105.0
5829.4	65°	4424.2	2372.1	179.1	135.5	129.7	131.0	131.0	120.7	102.1	89.4
5851.2	67.5°	4394.6	2031.1	142.9	114.5	113.7	114.5	117.4	108.7	90.6	80.3
5405.6	70°	4048.2	1615.6	114.5	95.1	98.8	96.8	105.0	99.2	81.5	71.2
4190.7	72.5°	3303.3	1163.8	87.3	78.7	75.8	79.1	94.7	89.4	68.0	56.4
2219.7	75°	1930.2	621.0	65.1	62.2	54.8	65.9	84.0	76.2	51.9	41.6
680.3	77.5°	628.4	216.6	47.8	45.7	40.8	53.1	71.7	64.2	42.4	32.9
199.3	80°	168.4	65.5	32.5	30.1	26.4	39.5	56.8	51.1	30.5	21.4
85.7	82.5°	67.5	27.6	18.9	16.9	14.4	27.2	44.9	41.2	22.7	13.6
26.8	85°	21.8	9.1	7.0	5.4	6.6	16.9	26.8	28.0	16.1	7.0
4.1	87.5°	2.9	1.2	1.2	1.6	1.2	2.9	8.2	7.8	4.5	0.8
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>
947.6
835.6
676.2
523.0
427.1
392.1
380.1
366.5
347.6
323.3
296.9
271.4
251.2
237.6
227.3
228.2
220.7
203.9
187.4
173.4
163.9
157.3
145.0
134.7
120.3
104.2
88.1
78.7
70.0
55.2
40.4
31.7
21.0
13.6
5.4
0.0
0.0

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