

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: STREETWORKS

Report Number: P852606

Luminaire Tested: **GLAN-SB5A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13679 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

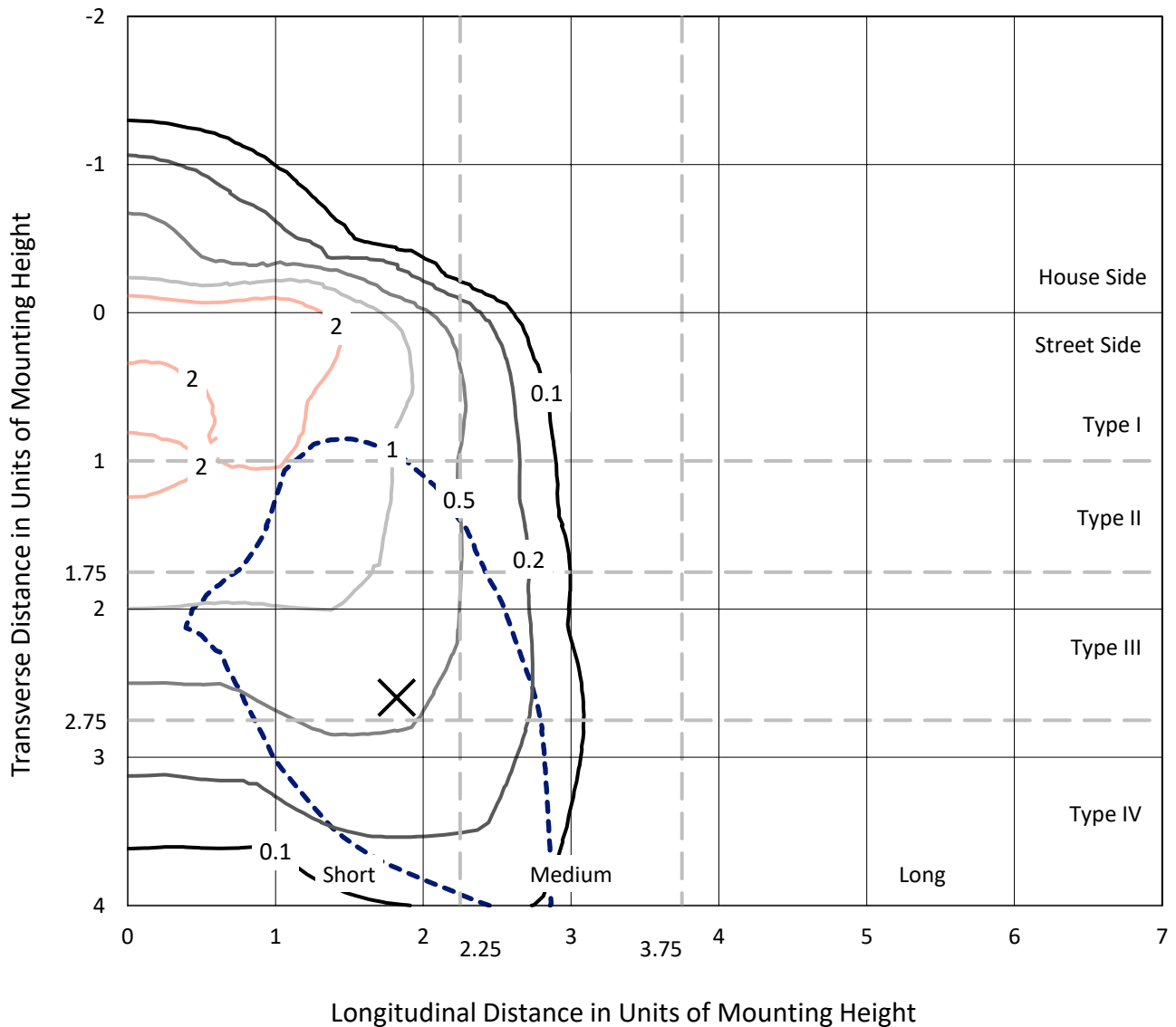
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852606
 CATALOG NUMBER: GLAN-SB5A-827-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

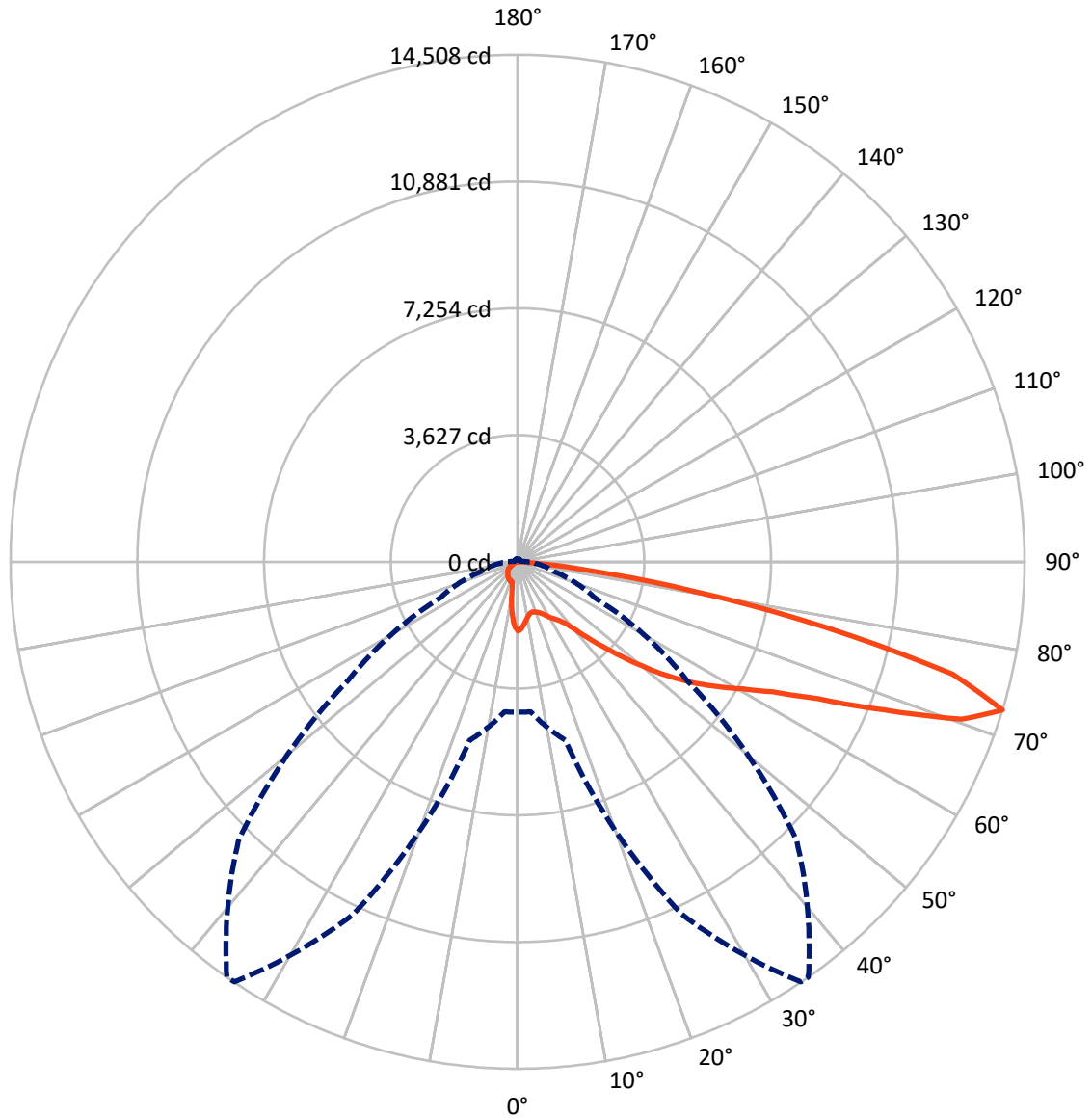
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P852606
CATALOG NUMBER: GLAN-SB5A-827-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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 CATALOG NUMBER: GLAN-SB5A-827-U-T4FT-HSS

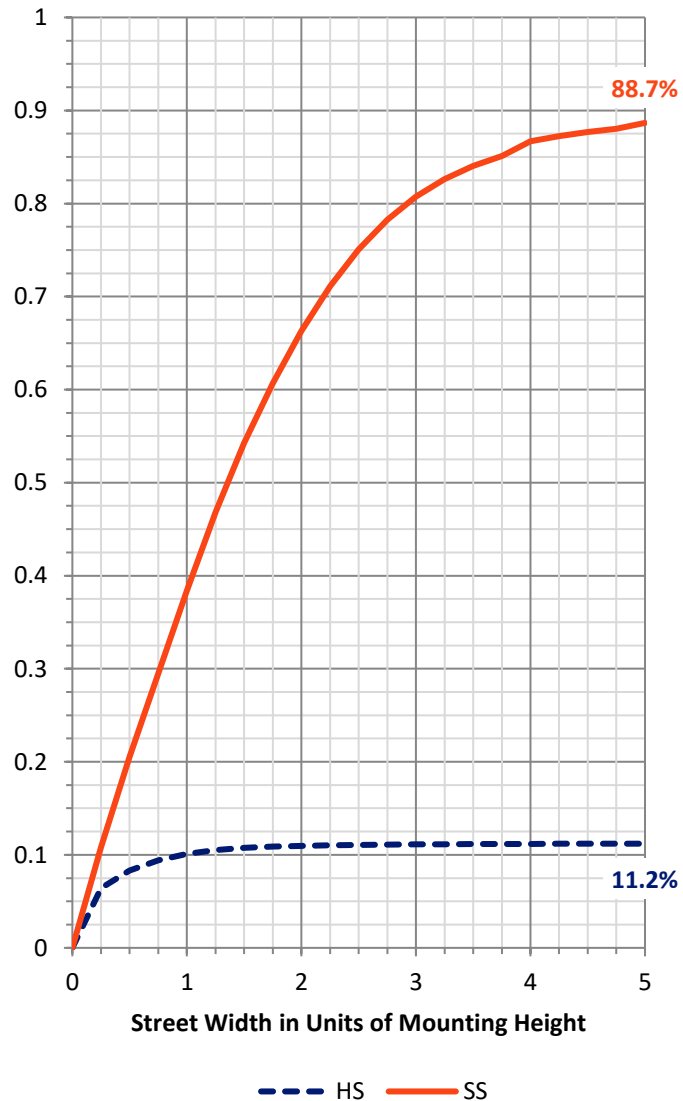
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1539.5	0.0	1539.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12139.5	0.0	12139.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	13679.0	0.0	13679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	1.2
10°-20°	381.1	2.8
20°-30°	619.1	4.5
30°-40°	1033.0	7.6
40°-50°	1954.4	14.3
50°-60°	3105.6	22.7
60°-70°	3841.8	28.1
70°-80°	2388.1	17.5
80°-90°	193.0	1.4
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°	13679.0	100.0
0°-180°	13679.0	100.0

Coefficient of Utilization



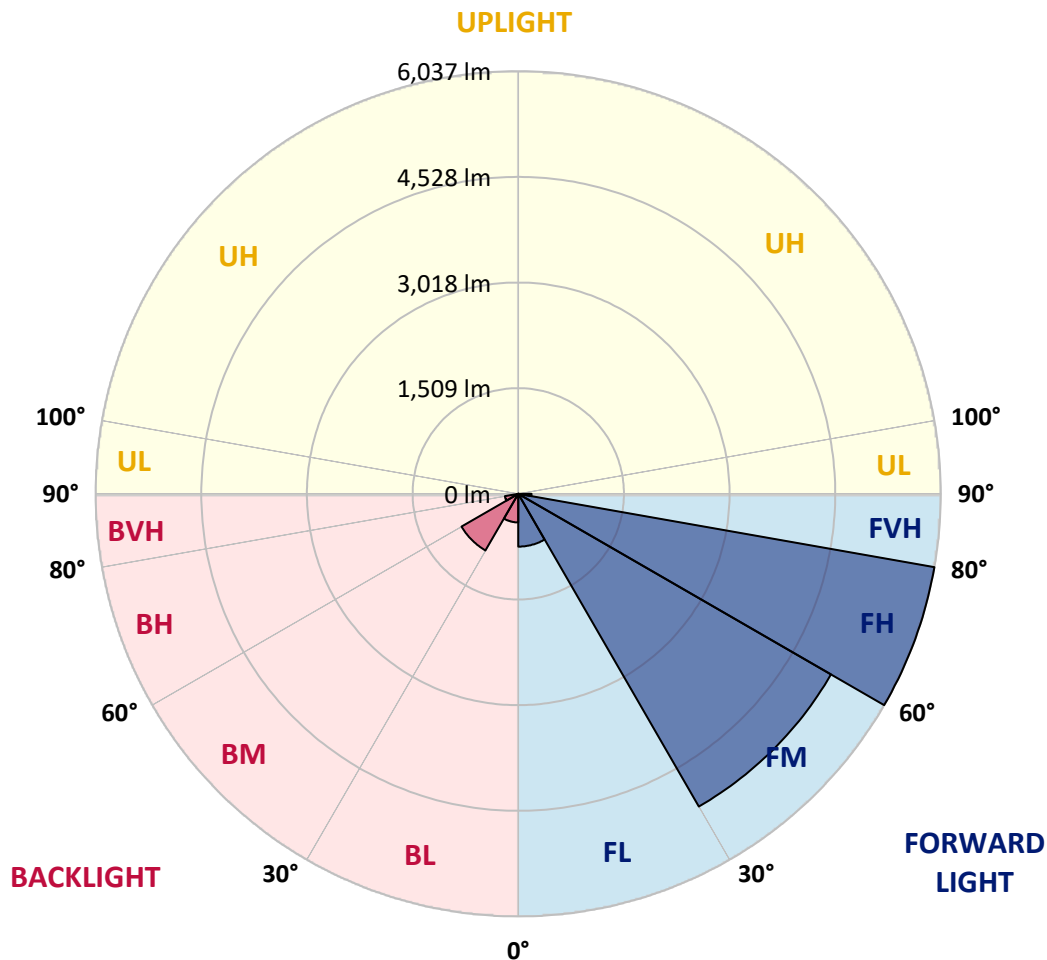
REPORT NUMBER: P852606
 CATALOG NUMBER: GLAN-SB5A-827-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.1	5.5			
FM (30°-60°)	5158.3	37.7			
FH (60°-80°)	6036.7	44.1			G3/7500
FVH (80°-90°)	190.4	1.4			G2/225
BL (0°-30°)	409.1	3.0	B1/500		
BM (30°-60°)	934.6	6.8	B1/1000		
BH (60°-80°)	193.2	1.4	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



REPORT NUMBER: P852606
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5
2.5°	1894.3	1910.4	1913.4	1918.4	1918.4	1924.4	1934.4	1948.5	1971.5	1983.5
5°	1746.0	1758.0	1773.1	1785.1	1808.1	1811.2	1850.2	1888.3	1941.5	1981.5
7.5°	1596.7	1610.7	1630.7	1659.8	1689.9	1698.9	1758.0	1822.2	1906.4	1981.5
10°	1491.4	1492.4	1510.5	1539.5	1587.6	1598.7	1670.8	1762.0	1867.3	1969.5
12.5°	1432.3	1439.3	1447.3	1469.4	1515.5	1522.5	1599.7	1706.9	1828.2	1962.5
15°	1432.3	1437.3	1442.3	1453.3	1490.4	1496.4	1564.6	1671.8	1808.1	1965.5
17.5°	1447.3	1455.3	1451.3	1464.4	1503.4	1507.5	1567.6	1661.8	1807.1	1984.6
20°	1483.4	1489.4	1481.4	1489.4	1528.5	1536.5	1598.7	1680.9	1824.2	2017.6
22.5°	1540.5	1543.5	1524.5	1530.5	1570.6	1580.6	1652.8	1735.0	1865.3	2070.7
25°	1612.7	1618.7	1589.6	1596.7	1634.7	1646.8	1730.0	1816.2	1930.4	2143.9
27.5°	1695.9	1698.9	1673.8	1672.8	1721.9	1739.0	1823.2	1916.4	2017.6	2236.1
30°	1791.1	1800.1	1776.1	1772.1	1834.2	1848.2	1931.4	2039.7	2145.9	2374.4
32.5°	1866.3	1873.3	1859.3	1869.3	1932.4	1943.5	2062.7	2214.1	2347.4	2570.9
35°	1974.5	1978.5	1946.5	1964.5	2036.7	2064.7	2242.1	2458.6	2601.0	2817.5
37.5°	2366.4	2366.4	2230.1	2140.9	2210.1	2235.1	2487.7	2766.3	2913.7	3148.2
40°	2908.7	2899.6	2700.2	2517.8	2508.8	2557.9	2837.5	3154.2	3317.6	3545.1
42.5°	3487.0	3473.0	3201.3	3020.9	2990.9	3007.9	3241.4	3632.3	3798.7	4029.2
45°	4000.2	3996.2	3747.6	3505.0	3450.9	3505.0	3745.6	4191.6	4310.9	4553.4
47.5°	4430.2	4430.2	4248.7	4090.4	4062.3	4094.4	4428.2	4812.0	4801.0	5111.7
50°	4925.3	4921.3	4748.9	4680.7	4709.8	4754.9	5214.0	5465.5	5308.2	5660.0
52.5°	5272.1	5296.1	5237.0	5226.0	5374.3	5452.5	6011.8	6105.0	5762.2	6180.2
55°	5546.7	5574.8	5642.9	5720.1	6005.8	6108.0	6784.6	6711.4	6142.1	6631.2
57.5°	5935.6	5895.5	6000.8	6153.1	6615.2	6738.5	7533.3	7283.7	6447.8	6997.0
60°	6407.7	6413.7	6431.7	6624.2	7223.6	7381.9	8271.0	7824.9	6644.2	7221.6
62.5°	6975.0	6984.0	7021.1	7316.8	8040.4	8189.8	9056.8	8268.0	6734.4	7158.4
65°	6935.9	6974.0	7387.9	8399.3	9282.3	9429.6	9973.9	8578.7	6598.1	6581.1
67.5°	6318.5	6380.6	7073.2	9692.2	11154.6	11319.0	11082.4	8639.8	6009.8	5117.7
70°	5508.6	5530.7	6363.6	10854.9	13322.5	13488.9	12074.7	7967.3	4560.5	2854.5
72.5°	4301.9	4306.9	5284.1	11124.5	14499.2	14508.3	11295.9	5914.6	2452.6	1096.5
75°	3073.0	3043.0	3539.1	9021.7	12756.2	12858.5	8468.4	2774.4	937.1	518.2
77.5°	1647.8	1680.9	2002.6	5350.3	8812.2	8986.6	4620.6	799.8	477.1	352.8
80°	509.2	537.2	820.9	2449.6	4991.4	5096.7	1712.9	355.8	332.8	251.6
82.5°	160.4	166.4	382.9	1029.4	2071.8	2119.9	496.1	201.5	227.5	166.4
85°	46.1	47.1	170.4	383.9	512.2	522.2	139.3	78.2	130.3	103.2
87.5°	5.0	16.0	64.1	64.1	45.1	44.1	15.0	17.0	37.1	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852606
 CATALOG NUMBER: GLAN-SB5A-827-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1982.5	0°	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5	1982.5
1991.6	2.5°	1986.6	1987.6	1974.5	1952.5	1928.4	1908.4	1883.3	1863.3	1849.2	1845.2
2009.6	5°	2000.6	1993.6	1956.5	1889.3	1809.1	1740.0	1662.8	1601.7	1561.6	1544.5
2028.7	7.5°	2021.6	2001.6	1920.4	1788.1	1634.7	1498.4	1360.1	1252.9	1184.7	1150.6
2046.7	10°	2039.7	1999.6	1860.3	1641.8	1407.2	1200.8	1014.3	885.0	812.9	778.8
2067.7	12.5°	2056.7	1998.6	1782.1	1468.4	1150.6	898.1	724.7	660.5	640.5	633.5
2101.8	15°	2088.8	2001.6	1683.9	1269.9	895.1	678.6	615.4	614.4	618.4	616.4
2153.9	17.5°	2132.9	2004.6	1572.6	1059.4	690.6	598.4	595.4	604.4	610.4	607.4
2219.1	20°	2190.0	2016.6	1454.3	851.0	593.4	578.3	585.3	593.4	598.4	593.4
2306.3	22.5°	2270.2	2037.7	1325.0	683.6	562.3	566.3	572.3	581.3	586.3	579.3
2417.5	25°	2368.4	2070.7	1197.7	594.4	547.3	552.3	561.3	571.3	577.3	570.3
2557.9	27.5°	2495.7	2123.9	1080.5	574.3	532.2	535.2	548.3	563.3	571.3	562.3
2757.3	30°	2680.1	2211.1	979.2	583.3	523.2	516.2	534.2	555.3	564.3	556.3
3028.9	32.5°	2924.7	2334.4	917.1	597.4	519.2	494.1	511.2	538.2	553.3	548.3
3383.8	35°	3245.4	2521.8	893.0	613.4	516.2	471.1	483.1	512.2	538.2	543.2
3830.8	37.5°	3634.3	2782.4	900.1	620.4	507.2	452.0	458.1	483.1	517.2	533.2
4333.9	40°	4076.3	3086.1	940.2	613.4	497.1	436.0	437.0	456.0	486.1	510.2
4875.2	42.5°	4532.4	3440.9	1014.3	587.3	488.1	422.0	419.0	432.0	452.0	469.1
5415.4	45°	4966.4	3805.7	1087.5	551.3	477.1	407.9	400.9	405.9	409.9	417.0
5941.6	47.5°	5345.3	4062.3	1066.4	518.2	462.1	391.9	379.9	377.9	365.8	364.8
6411.7	50°	5606.9	4118.4	947.2	485.1	440.0	373.9	354.8	342.8	321.7	311.7
6763.5	52.5°	5690.0	3896.9	773.8	452.0	403.9	349.8	322.7	303.7	277.6	268.6
6966.0	55°	5579.8	3462.9	618.4	411.9	353.8	317.7	287.7	262.6	241.6	230.5
6988.0	57.5°	5310.2	2910.7	489.1	364.8	300.7	281.6	251.6	226.5	208.5	197.5
6743.5	60°	4863.2	2311.3	386.9	308.7	256.6	242.6	211.5	195.4	179.4	166.4
6112.0	62.5°	4184.6	1649.8	303.7	244.6	214.5	198.5	180.4	168.4	149.3	131.3
4976.4	65°	3265.5	1009.3	234.5	179.4	172.4	164.4	153.4	142.3	119.3	101.2
3246.4	67.5°	2059.7	478.1	167.4	135.3	136.3	132.3	127.3	118.3	101.2	85.2
1454.3	70°	907.1	231.5	110.3	103.2	101.2	101.2	105.2	102.2	86.2	71.2
505.2	72.5°	308.7	124.3	82.2	78.2	73.2	72.2	88.2	85.2	69.2	55.1
251.6	75°	161.4	83.2	60.1	56.1	44.1	53.1	70.2	66.2	49.1	36.1
166.4	77.5°	105.2	59.1	41.1	36.1	25.1	35.1	52.1	46.1	29.1	18.0
109.3	80°	66.2	39.1	24.1	17.0	12.0	19.0	28.1	20.0	11.0	4.0
64.1	82.5°	35.1	20.0	9.0	6.0	5.0	6.0	7.0	5.0	2.0	0.0
33.1	85°	14.0	7.0	3.0	2.0	1.0	0.0	2.0	1.0	0.0	0.0
6.0	87.5°	5.0	1.0	0.0	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°
1982.5
1852.2
1550.6
1155.6
779.8
631.4
615.4
606.4
592.4
578.3
569.3
562.3
555.3
548.3
543.2
537.2
518.2
476.1
421.0
363.8
312.7
267.6
230.5
195.4
163.4
128.3
98.2
83.2
68.2
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