

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: P852415

Luminaire Tested: **GLAN-SB3C-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14983 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

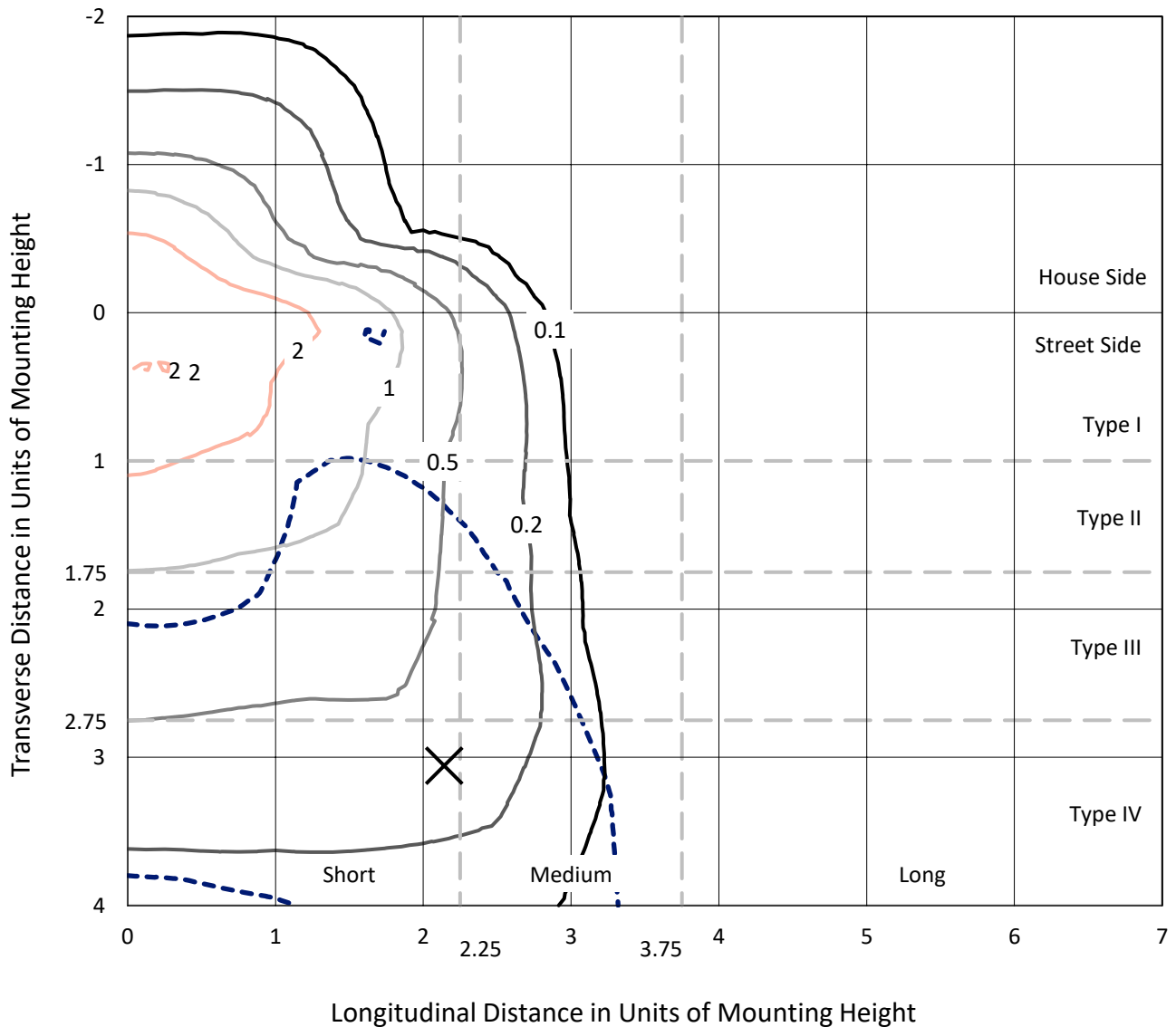
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

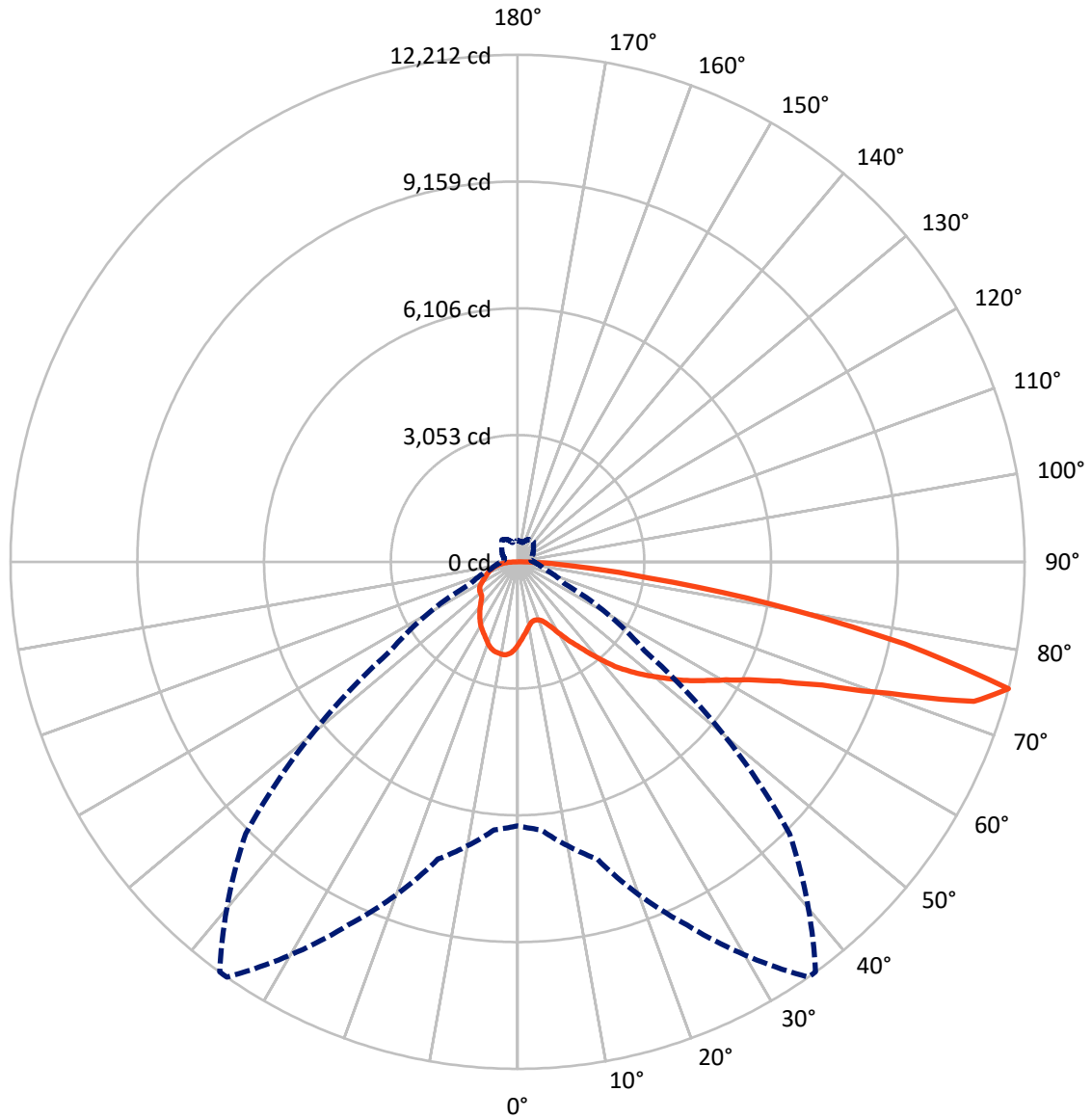
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3565.6	0.0	3565.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	11417.4	0.0	11417.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	14983.0	0.0	14983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.0	1.3
10°-20°	545.3	3.6
20°-30°	915.6	6.1
30°-40°	1423.0	9.5
40°-50°	2112.2	14.1
50°-60°	2916.0	19.5
60°-70°	3537.7	23.6
70°-80°	2923.7	19.5
80°-90°	420.5	2.8
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°	14983.0	100.0
0°-180°	14983.0	100.0

Coefficient of Utilization



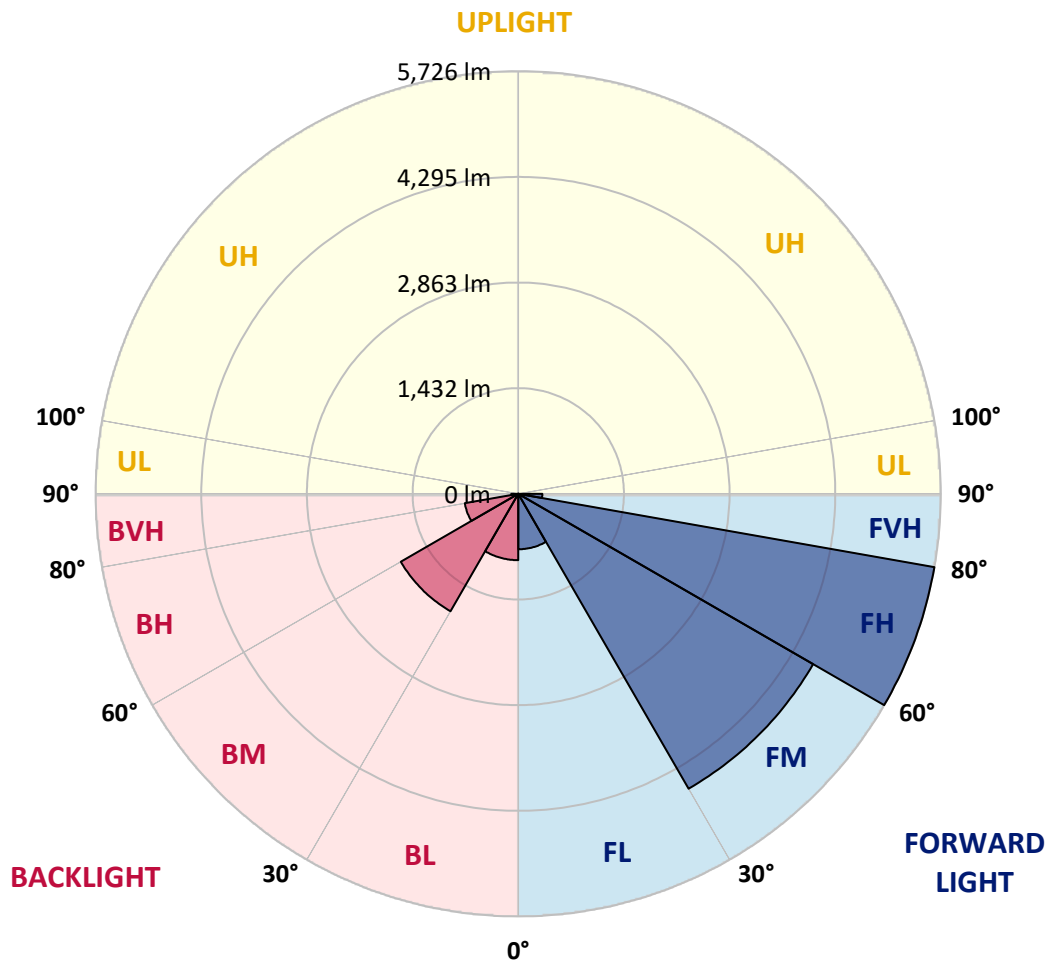
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	751.4	5.0			
FM	(30°-60°)	4614.0	30.8			
FH	(60°-80°)	5726.3	38.2			G3/7500
FVH	(80°-90°)	325.8	2.2			G3/500
BL	(0°-30°)	898.6	6.0	B2/1000		
BM	(30°-60°)	1837.2	12.3	B2/2500		
BH	(60°-80°)	735.1	4.9	B2/1000		G2/1000
BVH	(80°-90°)	94.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6
2.5°	1841.1	1852.4	1857.3	1854.8	1867.0	1865.4	1882.4	1903.4	1932.6	1960.9
5°	1699.3	1711.5	1722.0	1731.7	1755.2	1762.5	1789.2	1829.7	1883.2	1937.5
7.5°	1567.3	1577.8	1594.0	1611.8	1651.5	1658.8	1703.4	1766.6	1841.1	1920.4
10°	1459.6	1470.1	1487.1	1507.4	1556.8	1565.7	1622.4	1706.6	1803.8	1904.2
12.5°	1413.4	1416.6	1426.4	1446.6	1489.5	1495.2	1557.6	1654.0	1767.4	1892.1
15°	1411.0	1417.5	1418.3	1428.8	1464.4	1466.9	1524.4	1619.9	1744.7	1889.7
17.5°	1435.3	1440.1	1432.8	1439.3	1469.3	1473.3	1518.7	1603.7	1737.4	1900.2
20°	1500.1	1504.1	1482.3	1473.3	1495.2	1498.5	1543.0	1614.3	1744.7	1922.1
22.5°	1637.8	1640.2	1586.7	1550.3	1551.9	1553.5	1592.4	1657.2	1773.0	1961.8
25°	1852.4	1850.8	1765.7	1695.3	1654.8	1645.9	1671.8	1726.9	1820.8	2014.4
27.5°	2103.5	2091.4	2006.3	1901.0	1812.7	1799.8	1794.1	1817.6	1888.9	2084.1
30°	2387.0	2375.7	2284.1	2146.4	2024.1	2003.1	1949.6	1937.5	1990.1	2178.8
32.5°	2698.0	2690.7	2581.4	2414.5	2250.9	2226.6	2136.7	2104.3	2145.6	2322.2
35°	2958.8	2952.4	2861.6	2689.9	2489.9	2459.9	2368.4	2331.9	2353.0	2506.1
37.5°	3194.5	3191.3	3113.5	2978.3	2771.7	2735.3	2632.4	2620.3	2616.2	2748.2
40°	3413.2	3405.1	3324.1	3252.9	3099.8	3066.6	2975.8	2965.3	2934.5	3046.3
42.5°	3655.4	3634.4	3516.9	3483.7	3442.4	3414.9	3360.6	3362.2	3294.2	3382.5
45°	3853.0	3840.9	3720.2	3700.8	3745.3	3734.0	3781.0	3793.1	3661.1	3734.8
47.5°	4065.3	4053.9	3951.9	3938.1	4058.8	4062.0	4228.1	4232.1	4019.1	4100.9
50°	4326.9	4310.7	4209.4	4226.4	4361.7	4373.9	4677.6	4650.1	4348.8	4472.7
52.5°	4499.4	4509.1	4487.3	4514.8	4699.5	4710.8	5119.8	5049.4	4675.2	4839.6
55°	4626.6	4646.0	4714.0	4777.2	5055.9	5067.2	5537.0	5429.3	4945.7	5179.8
57.5°	4790.2	4762.6	4889.8	5012.9	5394.4	5424.4	5942.8	5795.4	5185.5	5473.0
60°	5025.1	5005.6	5104.5	5286.7	5773.5	5821.3	6372.1	6125.0	5361.2	5705.5
62.5°	5501.3	5452.7	5468.1	5629.3	6251.4	6314.6	6856.4	6412.6	5448.7	5796.2
65°	6213.3	6129.9	6052.1	6163.9	6924.5	6986.8	7403.2	6638.5	5416.3	5620.4
67.5°	7110.0	7027.3	6931.8	7037.1	7915.9	7965.3	8077.9	6765.7	5161.2	4943.3
70°	7849.5	7818.7	7932.9	8366.2	9499.4	9501.0	8942.9	6660.4	4462.1	3504.8
72.5°	7751.5	7732.8	8334.6	9674.3	11495.2	11452.2	9761.8	5863.4	3005.8	1581.1
75°	6359.1	6479.8	7412.1	9650.8	12212.0	12206.3	9260.4	3727.5	1243.3	655.3
77.5°	3410.0	3601.1	4812.1	7125.3	9533.4	9676.8	6510.6	1304.1	533.8	419.6
80°	1112.1	1278.9	1918.0	3627.9	6194.7	6168.0	2790.4	511.9	365.3	297.3
82.5°	472.2	491.7	857.0	1713.1	3179.1	3129.7	888.5	294.0	256.8	203.3
85°	184.7	206.5	378.3	792.2	1377.0	1347.0	320.7	145.8	164.4	132.8
87.5°	60.7	73.7	135.3	271.3	428.5	413.1	78.6	50.2	71.3	60.7
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°
1996.6	0°	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6	1996.6
2002.3	2.5°	2013.6	2026.6	2041.9	2064.6	2084.1	2100.3	2117.3	2127.8	2131.9	2144.0
2005.5	5°	2028.2	2056.5	2094.6	2131.9	2168.3	2190.2	2209.6	2219.3	2228.2	2234.7
2014.4	7.5°	2052.5	2088.9	2148.9	2197.5	2228.2	2246.1	2259.0	2255.8	2259.0	2260.6
2024.1	10°	2073.5	2124.6	2195.8	2242.0	2265.5	2266.3	2263.1	2251.7	2246.1	2246.9
2038.7	12.5°	2098.6	2155.3	2232.3	2271.2	2277.6	2259.8	2246.1	2226.6	2219.3	2216.1
2060.6	15°	2132.7	2197.5	2272.0	2286.6	2270.4	2247.7	2224.2	2192.6	2176.4	2163.4
2097.8	17.5°	2174.0	2245.2	2302.8	2292.2	2257.4	2220.1	2182.1	2134.3	2101.1	2087.3
2148.9	20°	2231.5	2295.5	2326.2	2280.1	2227.4	2170.7	2105.9	2047.6	2016.8	2003.1
2213.7	22.5°	2301.1	2362.7	2348.9	2259.0	2184.5	2093.8	2012.8	1969.9	1954.5	1944.7
2297.1	25°	2384.6	2437.2	2365.1	2228.2	2114.0	1991.7	1929.4	1915.6	1908.3	1901.0
2399.1	27.5°	2493.1	2521.4	2377.3	2182.9	2003.9	1883.2	1860.5	1862.9	1860.5	1848.4
2540.9	30°	2636.5	2630.8	2388.6	2109.2	1877.5	1785.2	1786.8	1797.3	1799.0	1790.9
2738.5	32.5°	2825.2	2767.7	2394.3	2013.6	1756.8	1699.3	1700.9	1712.3	1720.4	1706.6
2996.9	35°	3053.6	2927.2	2385.4	1893.7	1663.7	1617.5	1605.4	1608.6	1611.0	1598.1
3310.4	37.5°	3320.1	3106.3	2345.7	1760.9	1586.7	1537.3	1511.4	1489.5	1476.6	1464.4
3665.1	40°	3612.5	3301.5	2272.8	1631.3	1500.9	1452.3	1413.4	1372.1	1328.4	1312.2
4041.0	42.5°	3918.7	3502.3	2184.5	1507.4	1402.1	1362.4	1321.1	1261.1	1195.5	1162.3
4431.4	45°	4236.2	3708.1	2097.8	1385.1	1300.8	1283.8	1236.0	1163.9	1092.7	1050.5
4822.6	47.5°	4547.2	3902.5	1970.7	1261.9	1206.1	1224.7	1187.4	1121.0	1041.6	975.2
5210.6	50°	4844.5	4084.7	1762.5	1137.2	1129.1	1206.9	1171.2	1075.6	984.9	899.9
5591.3	52.5°	5139.3	4232.1	1496.0	1023.8	1087.8	1202.0	1150.2	1044.9	933.9	844.8
5949.3	55°	5389.6	4308.3	1239.3	926.6	1027.9	1160.7	1125.1	1008.4	861.8	767.0
6194.7	57.5°	5532.1	4246.7	1025.4	831.0	945.2	1092.7	1082.1	930.7	776.0	703.1
6242.5	60°	5470.6	3997.2	850.5	747.6	866.7	1018.9	1007.6	853.7	710.3	641.5
5986.5	62.5°	5131.2	3521.8	712.0	674.7	795.4	943.6	933.1	794.6	660.1	593.7
5307.0	65°	4447.6	2864.9	604.2	614.0	723.3	852.9	868.3	745.2	620.4	555.6
4105.8	67.5°	3392.2	2075.2	520.0	561.3	652.8	763.8	808.4	709.5	587.2	525.7
2375.7	70°	1933.4	1178.5	448.7	510.3	590.5	681.2	762.2	681.2	551.6	500.6
890.2	72.5°	733.0	541.1	388.0	459.3	530.5	611.5	711.2	636.6	510.3	472.2
460.1	75°	391.2	329.7	326.4	399.3	461.7	543.5	647.2	592.9	479.5	498.9
318.3	77.5°	266.5	233.3	273.0	341.8	386.4	468.2	579.1	526.5	415.5	413.9
220.3	80°	184.7	165.2	221.9	275.4	298.9	393.6	505.4	452.0	338.6	315.9
136.1	82.5°	111.0	107.7	166.0	205.7	211.4	303.7	418.8	379.1	277.0	241.4
81.0	85°	60.7	64.0	106.1	120.7	123.1	212.2	328.0	293.2	213.0	179.0
29.2	87.5°	17.0	21.9	38.9	47.8	59.1	110.2	195.2	174.1	106.9	74.5
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°
1996.6
2143.2
2236.3
2263.1
2248.5
2214.5
2167.5
2088.1
2001.4
1946.4
1901.0
1850.8
1794.9
1713.1
1607.0
1472.5
1319.4
1166.4
1047.3
967.9
892.6
835.1
758.9
693.3
631.8
583.2
545.1
516.0
494.1
465.7
515.1
381.5
302.1
243.0
180.6
74.5
0.0

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