

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: P852517

Luminaire Tested: **GLAN-SB4B-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852517
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-SB4B-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15048 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

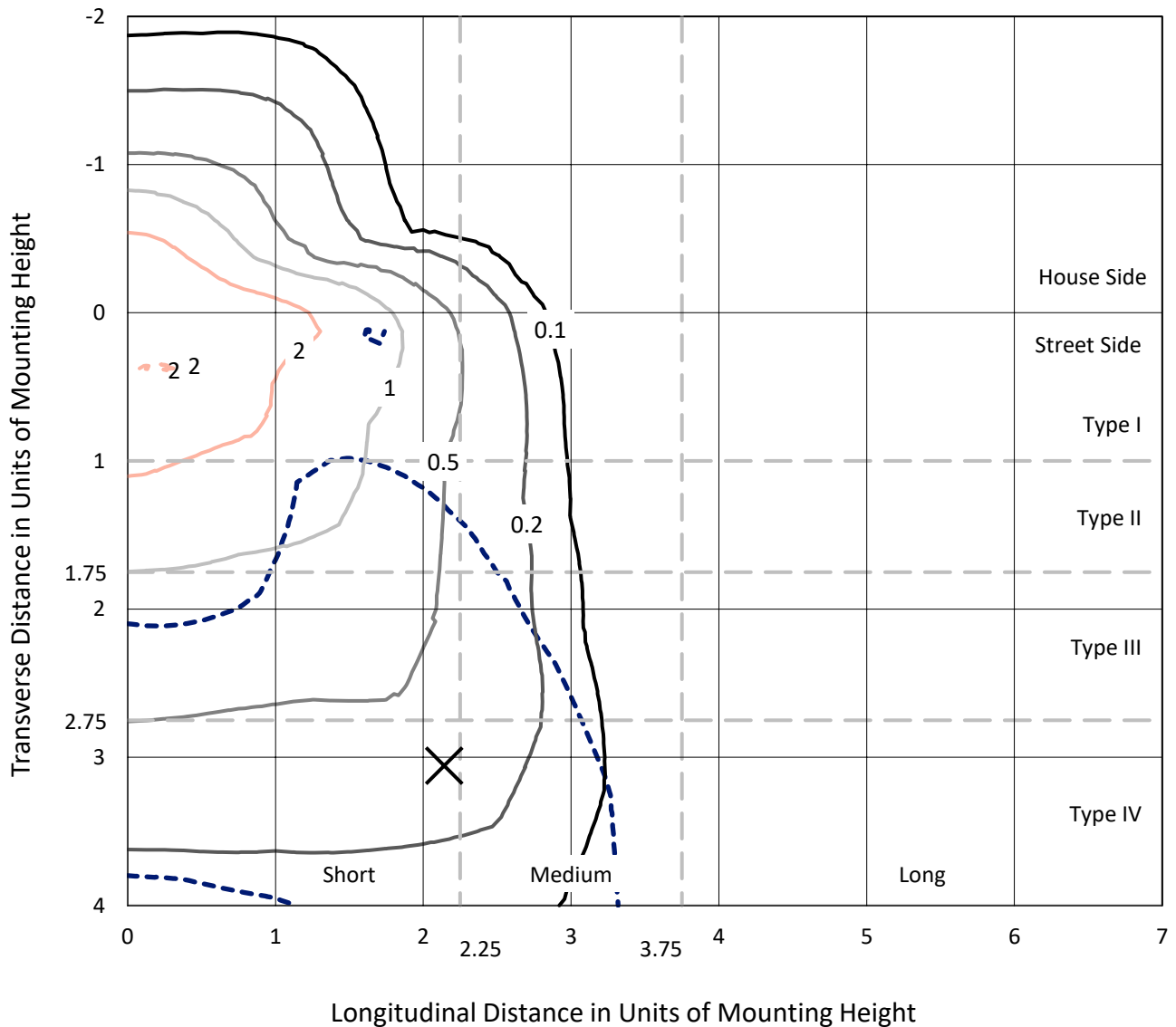
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

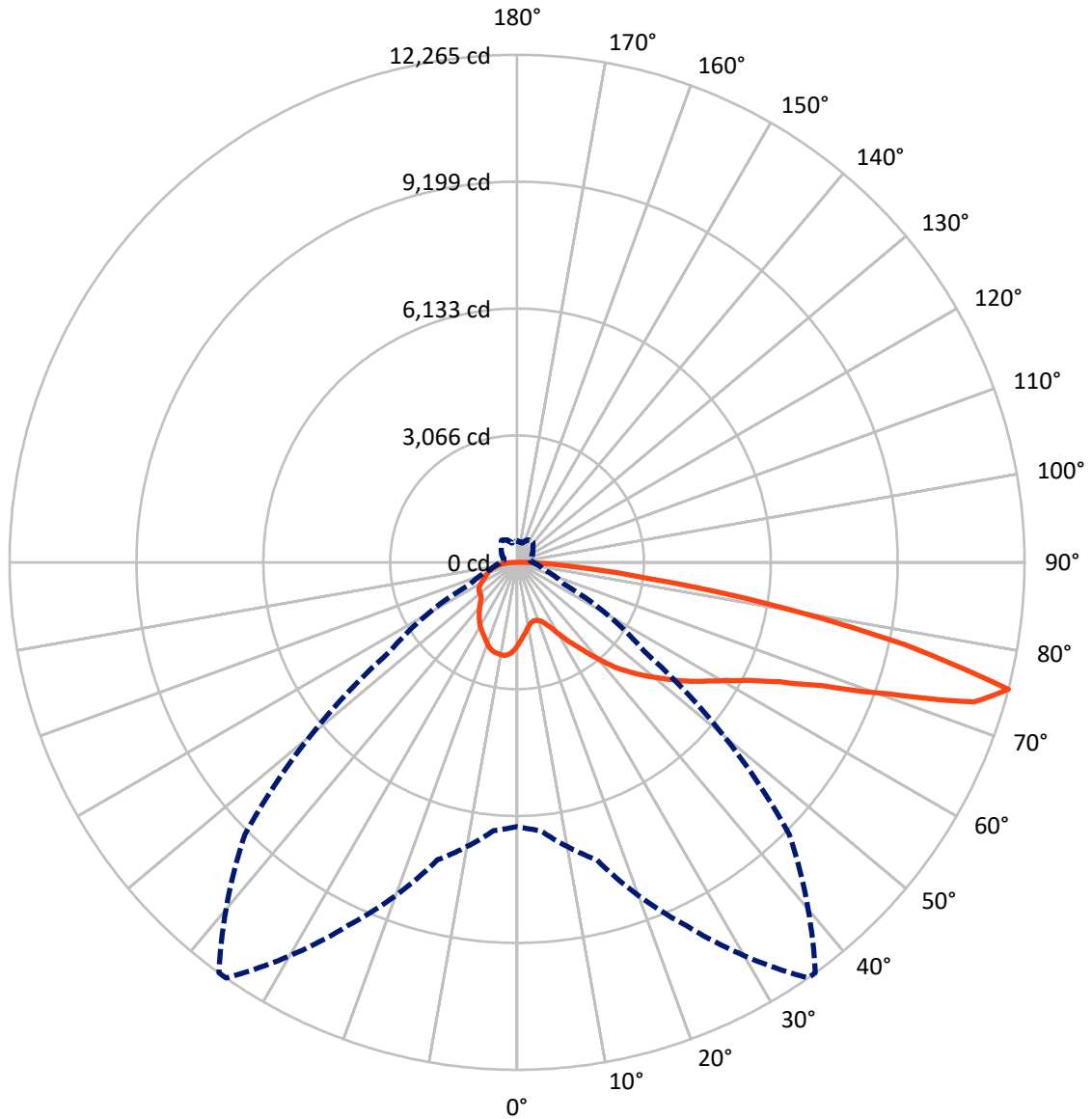
× Max cd
 - - - 1/2 Max cd



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	3581.0	0.0	3581.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	11467.0	0.0	11467.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	15048.0	0.0	15048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	1.3
10°-20°	547.6	3.6
20°-30°	919.6	6.1
30°-40°	1429.2	9.5
40°-50°	2121.3	14.1
50°-60°	2928.6	19.5
60°-70°	3553.1	23.6
70°-80°	2936.3	19.5
80°-90°	422.3	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°	15048.0	100.0
0°-180°	15048.0	100.0

Coefficient of Utilization

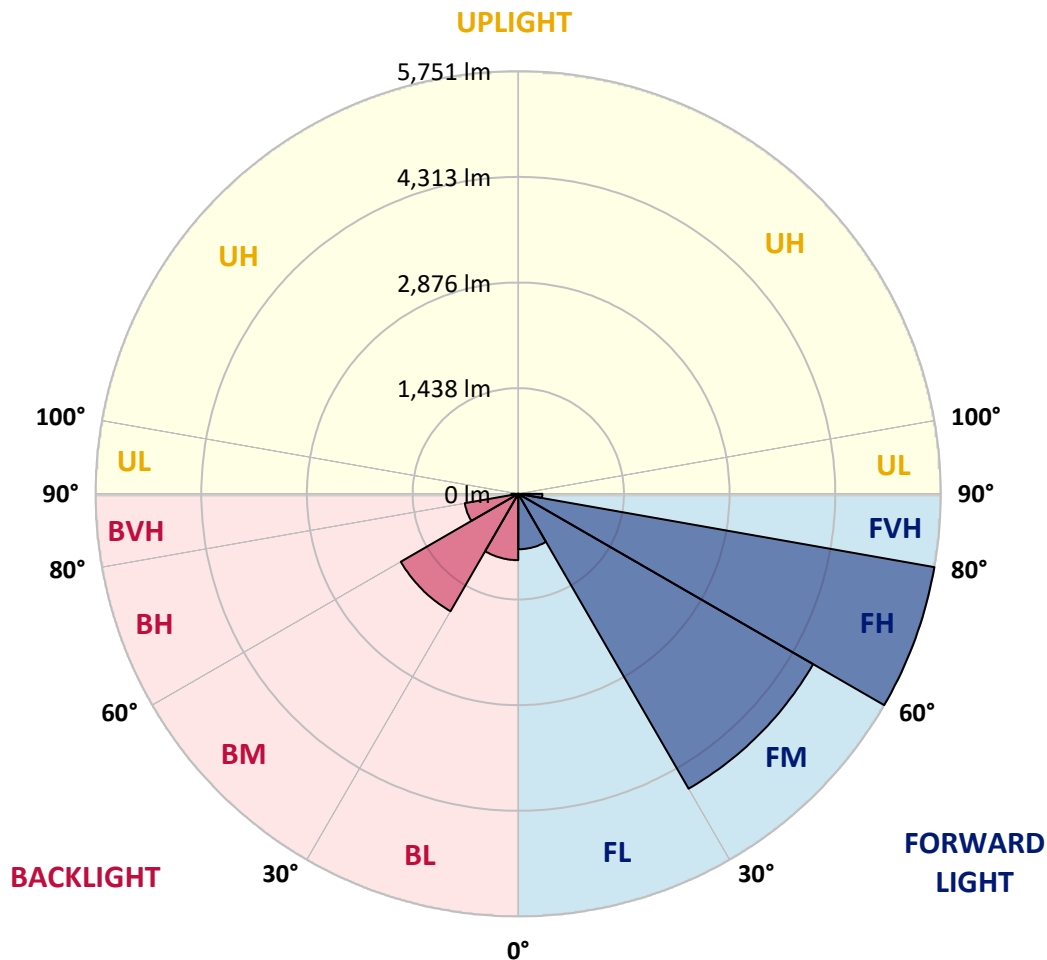


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.6	5.0			
FM (30°-60°)	4634.0	30.8			
FH (60°-80°)	5751.1	38.2			G3/7500
FVH (80°-90°)	327.2	2.2			G3/500
BL (0°-30°)	902.5	6.0	B2/1000		
BM (30°-60°)	1845.2	12.3	B2/2500		
BH (60°-80°)	738.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	95.1	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°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	1849.1	1860.4	1865.3	1862.9	1875.1	1873.5	1890.5	1911.7	1941.0	1969.5
5°	1706.7	1718.9	1729.5	1739.2	1762.8	1770.1	1797.0	1837.7	1891.4	1945.9
7.5°	1574.1	1584.7	1600.9	1618.8	1658.7	1666.0	1710.8	1774.2	1849.1	1928.8
10°	1465.9	1476.5	1493.6	1513.9	1563.5	1572.5	1629.4	1714.0	1811.6	1912.5
12.5°	1419.5	1422.8	1432.6	1452.9	1496.0	1501.7	1564.3	1661.1	1775.0	1900.3
15°	1417.1	1423.6	1424.4	1435.0	1470.8	1473.2	1531.0	1627.0	1752.3	1897.9
17.5°	1441.5	1446.4	1439.1	1445.6	1475.7	1479.7	1525.3	1610.7	1744.9	1908.4
20°	1506.6	1510.6	1488.7	1479.7	1501.7	1505.0	1549.7	1621.3	1752.3	1930.4
22.5°	1644.9	1647.3	1593.6	1557.0	1558.6	1560.3	1599.3	1664.4	1780.7	1970.3
25°	1860.4	1858.8	1773.4	1702.6	1662.0	1653.0	1679.0	1734.4	1828.7	2023.1
27.5°	2112.6	2100.4	2015.0	1909.3	1820.6	1807.6	1801.9	1825.5	1897.1	2093.1
30°	2397.3	2386.0	2294.0	2155.7	2032.9	2011.8	1958.1	1945.9	1998.7	2188.3
32.5°	2709.7	2702.4	2592.6	2425.0	2260.7	2236.3	2146.0	2113.4	2154.9	2332.3
35°	2971.7	2965.2	2874.1	2701.6	2500.7	2470.6	2378.6	2342.0	2363.2	2516.9
37.5°	3208.4	3205.1	3127.0	2991.2	2783.8	2747.1	2643.8	2631.6	2627.6	2760.2
40°	3428.0	3419.9	3338.6	3267.0	3113.2	3079.9	2988.8	2978.2	2947.3	3059.5
42.5°	3671.3	3650.1	3532.2	3498.8	3457.3	3429.7	3375.2	3376.8	3308.5	3397.1
45°	3869.8	3857.6	3736.4	3716.8	3761.6	3750.2	3797.4	3809.6	3677.0	3751.0
47.5°	4082.9	4071.5	3969.0	3955.2	4076.4	4079.6	4246.4	4250.5	4036.5	4118.7
50°	4345.7	4329.4	4227.7	4244.8	4380.6	4392.8	4697.9	4670.2	4367.6	4492.1
52.5°	4518.9	4528.7	4506.7	4534.4	4719.9	4731.2	5142.1	5071.3	4695.5	4860.6
55°	4646.6	4666.2	4734.5	4798.0	5077.8	5089.2	5561.0	5452.8	4967.2	5202.3
57.5°	4811.0	4783.3	4911.0	5034.7	5417.8	5447.9	5968.6	5820.5	5207.9	5496.7
60°	5046.9	5027.4	5126.6	5309.6	5798.5	5846.5	6399.7	6151.6	5384.5	5730.2
62.5°	5525.2	5476.4	5491.9	5653.7	6278.5	6342.0	6886.2	6440.4	5472.3	5821.3
65°	6240.3	6156.5	6078.4	6190.6	6954.5	7017.1	7435.3	6667.3	5439.8	5644.8
67.5°	7140.8	7057.8	6961.8	7067.6	7950.2	7999.8	8112.9	6795.1	5183.5	4964.7
70°	7883.5	7852.6	7967.3	8402.5	9540.6	9542.2	8981.7	6689.3	4481.5	3520.0
72.5°	7785.1	7766.4	8370.8	9716.3	11545.0	11501.9	9804.2	5888.8	3018.9	1587.9
75°	6386.7	6507.9	7444.2	9692.7	12265.0	12259.3	9300.6	3743.7	1248.7	658.1
77.5°	3424.8	3616.8	4832.9	7156.3	9574.8	9718.7	6538.8	1309.7	536.1	421.4
80°	1116.9	1284.5	1926.3	3643.6	6221.6	6194.7	2802.5	514.1	366.9	298.6
82.5°	474.3	493.8	860.7	1720.5	3192.9	3143.3	892.4	295.3	257.9	204.2
85°	185.5	207.4	379.9	795.6	1382.9	1352.8	322.1	146.4	165.1	133.4
87.5°	61.0	74.0	135.9	272.5	430.3	414.9	78.9	50.4	71.6	61.0
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°
2005.2	0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2010.9	2.5°	2022.3	2035.3	2050.8	2073.6	2093.1	2109.4	2126.5	2137.0	2141.1	2153.3
2014.2	5°	2037.0	2065.4	2103.7	2141.1	2177.7	2199.7	2219.2	2229.0	2237.9	2244.4
2023.1	7.5°	2061.4	2098.0	2158.2	2207.0	2237.9	2255.8	2268.8	2265.6	2268.8	2270.4
2032.9	10°	2082.5	2133.8	2205.4	2251.7	2275.3	2276.1	2272.9	2261.5	2255.8	2256.6
2047.5	12.5°	2107.7	2164.7	2242.0	2281.0	2287.5	2269.6	2255.8	2236.3	2229.0	2225.7
2069.5	15°	2141.9	2207.0	2281.8	2296.5	2280.2	2257.4	2233.8	2202.1	2185.8	2172.8
2106.9	17.5°	2183.4	2255.0	2312.7	2302.2	2267.2	2229.8	2191.5	2143.5	2110.2	2096.4
2158.2	20°	2241.2	2305.4	2336.3	2290.0	2237.1	2180.1	2115.1	2056.5	2025.6	2011.8
2223.3	22.5°	2311.1	2372.9	2359.1	2268.8	2194.0	2102.9	2021.5	1978.4	1962.9	1953.2
2307.1	25°	2394.9	2447.8	2375.4	2237.9	2123.2	2000.4	1937.7	1923.9	1916.6	1909.3
2409.6	27.5°	2503.9	2532.4	2387.6	2192.4	2012.6	1891.4	1868.6	1871.0	1868.6	1856.4
2551.9	30°	2647.9	2642.2	2399.0	2118.3	1885.7	1792.9	1794.6	1805.1	1806.8	1798.6
2750.4	32.5°	2837.4	2779.7	2404.7	2022.3	1764.5	1706.7	1708.3	1719.7	1727.8	1714.0
3009.9	35°	3066.8	2939.9	2395.7	1901.9	1670.9	1624.5	1612.3	1615.6	1618.0	1605.0
3324.7	37.5°	3334.5	3119.7	2355.9	1768.5	1593.6	1544.0	1518.0	1496.0	1483.0	1470.8
3681.0	40°	3628.2	3315.8	2282.6	1638.4	1507.4	1458.6	1419.5	1378.0	1334.1	1317.9
4058.5	42.5°	3935.7	3517.5	2194.0	1513.9	1408.1	1368.3	1326.8	1266.6	1200.7	1167.4
4450.6	45°	4254.5	3724.1	2106.9	1391.1	1306.5	1289.4	1241.4	1169.0	1097.4	1055.1
4843.5	47.5°	4566.9	3919.4	1979.2	1267.4	1211.3	1230.0	1192.6	1125.9	1046.1	979.4
5233.2	50°	4865.5	4102.4	1770.1	1142.1	1134.0	1212.1	1176.3	1080.3	989.2	903.8
5615.5	52.5°	5161.6	4250.5	1502.5	1028.2	1092.5	1207.2	1155.2	1049.4	938.0	848.5
5975.1	55°	5412.9	4326.9	1244.6	930.6	1032.3	1165.7	1129.9	1012.8	865.6	770.4
6221.6	57.5°	5556.1	4265.1	1029.9	834.6	949.3	1097.4	1086.8	934.7	779.3	706.1
6269.6	60°	5494.3	4014.6	854.2	750.8	870.4	1023.4	1012.0	857.4	713.4	644.3
6012.5	62.5°	5153.4	3537.0	715.1	677.6	798.8	947.7	937.1	798.0	663.0	596.3
5330.0	65°	4466.9	2877.3	606.9	616.6	726.4	856.6	872.1	748.4	623.1	558.1
4123.6	67.5°	3406.9	2084.2	522.3	563.7	655.7	767.1	811.9	712.6	589.8	528.0
2386.0	70°	1941.8	1183.6	450.7	512.5	593.0	684.1	765.5	684.1	554.0	502.7
894.0	72.5°	736.2	543.4	389.7	461.2	532.8	614.2	714.2	639.4	512.5	474.3
462.1	75°	392.9	331.1	327.8	401.0	463.7	545.9	650.0	595.5	481.6	501.1
319.7	77.5°	267.6	234.3	274.1	343.3	388.0	470.2	581.6	528.8	417.3	415.7
221.3	80°	185.5	166.0	222.9	276.6	300.2	395.4	507.6	453.9	340.0	317.3
136.7	82.5°	111.4	108.2	166.8	206.6	212.3	305.1	420.6	380.7	278.2	242.4
81.3	85°	61.0	64.3	106.6	121.2	123.7	213.1	329.5	294.5	213.9	179.8
29.3	87.5°	17.1	22.0	39.0	48.0	59.4	110.6	196.1	174.9	107.4	74.8
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

180°
2005.2
2152.5
2246.0
2272.9
2258.2
2224.1
2176.9
2097.2
2010.1
1954.8
1909.3
1858.8
1802.7
1720.5
1614.0
1478.9
1325.2
1171.4
1051.8
972.1
896.5
838.7
762.2
696.3
634.5
585.7
547.5
518.2
496.2
467.8
517.4
383.2
303.4
244.0
181.4
74.8
0.0

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