

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: P849215

Luminaire Tested: **GLAN-SB6A-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA 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: 12792 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

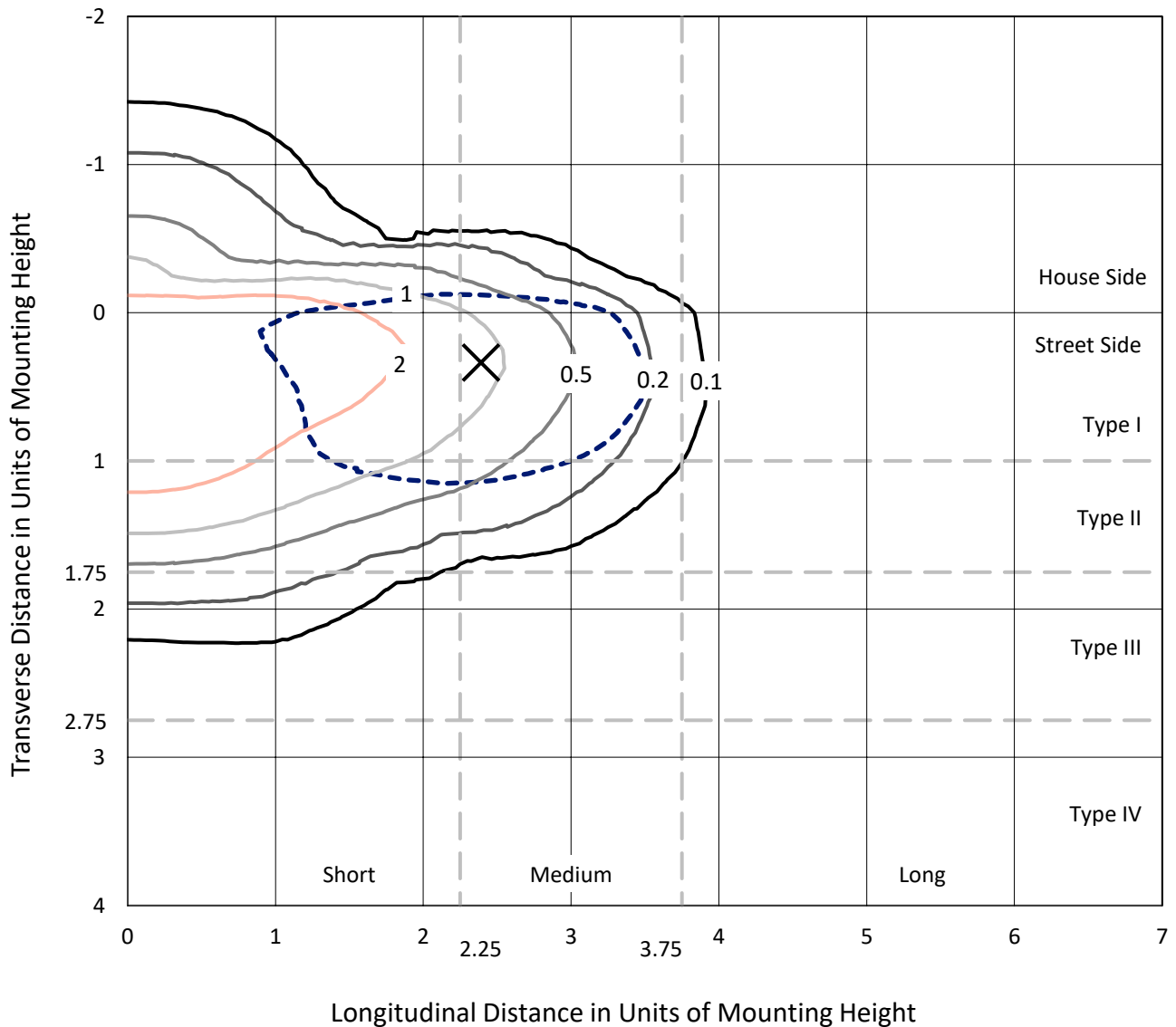
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

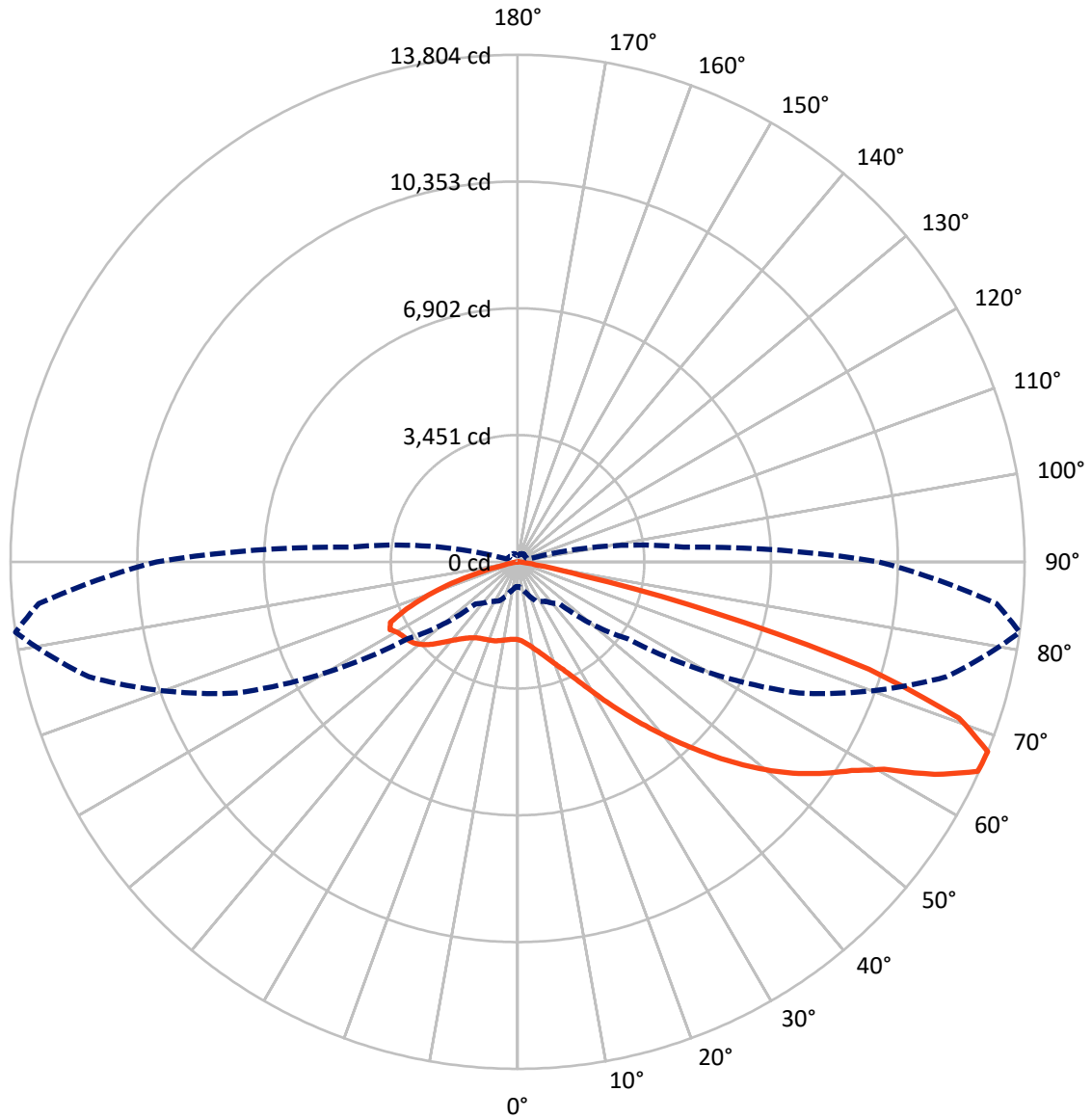
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2317.2	0.0	2317.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10474.8	0.0	10474.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	12792.0	0.0	12792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	1.5
10°-20°	490.6	3.8
20°-30°	785.8	6.1
30°-40°	1389.6	10.9
40°-50°	2434.7	19.0
50°-60°	3247.2	25.4
60°-70°	3023.0	23.6
70°-80°	1160.2	9.1
80°-90°	72.1	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°	12792.0	100.0
0°-180°	12792.0	100.0

Coefficient of Utilization

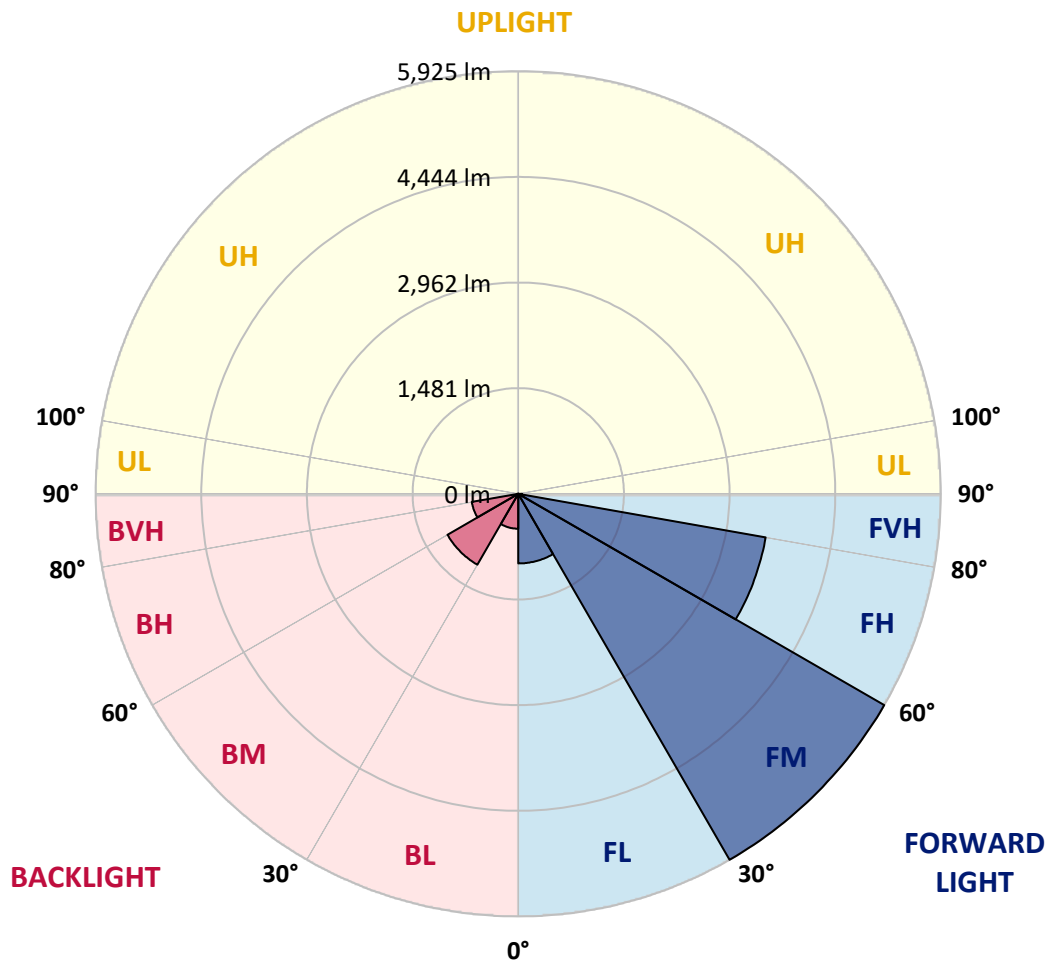


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	975.9	7.6			
FM (30°-60°)	5924.7	46.3			
FH (60°-80°)	3521.8	27.5			G2/5000
FVH (80°-90°)	52.4	0.4			G1/100
BL (0°-30°)	489.4	3.8	B1/500		
BM (30°-60°)	1146.7	9.0	B2/2500		
BH (60°-80°)	661.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	19.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2
2.5°	2239.9	2252.7	2245.4	2241.7	2235.2	2226.0	2218.7	2195.6	2171.7	2156.0
5°	2285.0	2297.9	2297.0	2300.6	2305.2	2308.0	2306.2	2280.4	2246.3	2219.6
7.5°	2246.3	2261.0	2273.0	2291.4	2323.7	2357.7	2374.3	2368.8	2333.8	2297.0
10°	2136.7	2152.4	2180.9	2224.2	2292.3	2366.0	2427.7	2456.3	2434.2	2393.7
12.5°	1935.9	1951.6	2007.8	2101.7	2215.9	2343.9	2461.8	2538.3	2543.8	2503.3
15°	1710.3	1725.9	1785.8	1903.7	2077.8	2283.1	2480.2	2624.8	2673.6	2638.6
17.5°	1570.3	1584.1	1629.2	1724.1	1905.5	2161.6	2473.8	2716.9	2828.4	2800.7
20°	1527.9	1539.9	1561.1	1627.4	1778.4	2035.4	2431.4	2803.5	2995.1	2979.4
22.5°	1573.1	1584.1	1590.6	1620.0	1714.9	1952.5	2378.0	2891.9	3188.5	3190.3
25°	1677.1	1688.2	1680.8	1699.2	1740.7	1926.7	2357.7	2996.0	3431.6	3451.9
27.5°	1848.4	1849.4	1831.9	1830.9	1837.4	1965.4	2378.9	3107.4	3738.3	3776.1
30°	2192.0	2178.1	2110.9	2038.2	2005.0	2081.4	2437.9	3239.1	4100.3	4167.5
32.5°	2721.5	2701.3	2577.9	2403.8	2228.8	2268.4	2543.8	3389.2	4494.4	4616.0
35°	3296.2	3290.7	3161.8	2903.0	2597.2	2534.6	2716.0	3586.3	4924.5	5117.9
37.5°	3830.4	3827.6	3754.0	3449.1	3077.0	2905.7	2992.3	3844.2	5385.0	5665.0
40°	4318.5	4326.8	4253.1	3980.5	3605.7	3381.9	3368.1	4162.9	5897.1	6260.9
42.5°	4740.3	4749.6	4675.0	4473.3	4127.9	3908.7	3829.5	4553.4	6397.2	6901.0
45°	5026.8	5083.9	5072.8	4911.6	4663.9	4436.4	4383.9	5043.3	6967.3	7579.8
47.5°	5107.8	5160.3	5243.2	5265.3	5114.3	4890.5	4953.1	5633.7	7543.8	8259.5
50°	4908.0	4956.8	5129.0	5358.3	5463.3	5394.2	5506.6	6266.4	8134.2	8937.3
52.5°	4513.8	4563.5	4780.9	5143.7	5572.0	5789.4	6062.0	6889.9	8706.1	9579.2
55°	3943.7	3996.2	4275.2	4686.0	5364.8	5952.4	6525.2	7512.5	9230.2	10156.7
57.5°	3168.2	3206.9	3497.0	4071.7	4843.5	5790.3	6866.9	8192.2	9723.8	10724.0
60°	2064.9	2098.9	2436.0	3077.0	3979.6	5248.7	6935.1	8950.2	10379.6	11461.7
62.5°	1373.2	1396.2	1596.1	2066.7	2802.6	4208.9	6536.3	9555.3	11341.1	12745.6
65°	942.2	965.2	1165.1	1492.9	1810.7	2784.2	5389.6	9475.2	12212.3	13765.1
67.5°	672.3	691.7	861.1	1170.6	1310.6	1617.3	3653.6	8451.0	12087.1	13803.8
70°	481.7	492.7	632.7	911.8	1041.6	971.6	2031.7	6463.5	10583.1	12746.5
72.5°	337.1	340.8	439.3	694.4	839.0	709.2	967.0	4309.3	8004.3	10004.7
75°	228.4	233.0	295.6	509.3	673.2	541.5	512.1	2310.8	4698.9	5537.9
77.5°	140.0	141.8	190.6	348.1	503.8	412.6	329.7	979.0	1818.0	1784.9
80°	79.2	79.2	121.6	216.4	343.5	266.2	231.2	416.3	575.6	505.6
82.5°	44.2	45.1	88.4	134.5	227.5	157.5	127.1	192.5	248.7	220.1
85°	18.4	20.3	54.3	63.5	108.7	78.3	51.6	81.0	92.1	82.0
87.5°	1.8	2.8	16.6	12.0	12.9	15.7	7.4	15.7	12.9	12.9
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°
2119.2	0°	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2	2119.2
2150.5	2.5°	2133.0	2119.2	2084.2	2043.7	1990.3	1964.5	1929.5	1905.5	1885.3	1887.1
2203.9	5°	2174.5	2139.5	2061.2	1963.6	1842.0	1755.4	1663.3	1599.8	1548.2	1537.1
2277.6	7.5°	2231.6	2176.3	2039.1	1863.2	1657.8	1502.1	1363.1	1273.7	1210.2	1189.9
2366.9	10°	2305.2	2225.1	2010.5	1737.0	1441.4	1243.3	1094.1	1024.1	980.9	966.1
2471.9	12.5°	2390.9	2281.3	1972.8	1583.2	1218.5	1027.8	933.0	898.0	884.2	879.5
2600.9	15°	2498.7	2351.3	1915.7	1400.8	1029.7	896.1	855.6	851.0	852.8	851.0
2755.6	17.5°	2626.7	2427.7	1822.6	1212.9	902.6	828.9	814.2	817.8	822.4	821.5
2928.8	20°	2766.7	2503.3	1703.8	1046.2	816.0	781.0	772.7	776.4	780.1	778.2
3128.6	22.5°	2926.0	2584.3	1572.1	916.4	758.0	736.8	727.6	728.5	728.5	724.8
3381.9	25°	3116.6	2673.6	1434.0	824.3	713.8	697.2	686.1	682.5	676.9	665.9
3689.5	27.5°	3344.1	2768.5	1301.4	759.8	678.8	663.1	650.2	641.0	627.2	608.8
4058.8	30°	3600.2	2883.6	1189.0	719.3	651.1	635.5	620.7	606.9	586.7	563.6
4483.4	32.5°	3901.3	3007.0	1107.0	692.6	626.3	609.7	592.2	575.6	553.5	530.5
4960.5	35°	4260.5	3156.2	1059.1	674.2	606.9	584.8	565.5	547.1	530.5	510.2
5479.0	37.5°	4650.1	3314.6	1044.4	665.0	594.0	560.0	537.9	525.0	523.1	511.2
6039.9	40°	5076.5	3502.5	1055.5	659.4	580.2	536.0	512.1	509.3	513.9	492.7
6639.4	42.5°	5527.8	3725.4	1073.9	653.0	560.9	512.1	489.0	489.0	485.4	455.9
7273.1	45°	6015.9	3982.4	1092.3	637.3	537.9	488.1	470.6	464.2	448.5	420.0
7910.4	47.5°	6507.7	4243.9	1106.1	608.8	510.2	467.9	452.2	437.5	414.4	388.7
8535.7	50°	6974.7	4478.8	1091.4	566.4	478.9	448.5	431.9	411.7	386.8	369.3
9127.9	52.5°	7391.9	4682.3	1028.7	516.7	445.8	428.3	413.5	392.3	372.1	353.7
9662.1	55°	7754.7	4847.2	918.2	469.7	416.3	410.8	396.0	369.3	341.7	326.0
10191.7	57.5°	8102.9	4972.4	780.1	431.0	389.6	391.4	369.3	345.4	319.6	303.0
10905.5	60°	8566.1	5140.1	640.1	395.1	361.0	366.6	342.6	325.1	292.9	271.7
12129.5	62.5°	9306.6	5400.7	508.4	350.9	327.9	329.7	319.6	298.4	259.7	234.9
13036.6	65°	9894.2	5304.9	400.6	303.0	290.1	292.9	292.9	269.9	228.4	199.9
13085.4	67.5°	9827.9	4542.3	319.6	256.0	254.2	256.0	262.5	243.1	202.6	179.6
12088.9	70°	9053.3	3613.0	256.0	212.7	221.0	216.4	234.9	222.0	182.4	159.3
9372.0	72.5°	7387.3	2602.7	195.3	175.9	169.5	176.8	211.8	199.9	152.0	126.2
4964.1	75°	4316.7	1388.9	145.5	139.1	122.5	147.4	187.9	170.4	116.0	93.0
1521.5	77.5°	1405.4	484.4	106.8	102.2	91.2	118.8	160.3	143.7	94.9	73.7
445.8	80°	376.7	146.4	72.8	67.2	58.9	88.4	127.1	114.2	68.2	47.9
191.6	82.5°	151.0	61.7	42.4	37.8	32.2	60.8	100.4	92.1	50.7	30.4
59.9	85°	48.8	20.3	15.7	12.0	14.7	37.8	59.9	62.6	35.9	15.7
9.2	87.5°	6.4	2.8	2.8	3.7	2.8	6.4	18.4	17.5	10.1	1.8
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°
2119.2
1868.7
1512.3
1169.7
955.1
876.8
850.1
819.7
777.3
723.0
664.0
606.9
561.8
531.4
508.4
510.2
493.7
455.9
419.1
387.7
366.6
351.8
324.2
301.2
268.9
233.0
197.1
175.9
156.6
123.4
90.3
70.9
47.0
30.4
12.0
0.0
0.0

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