

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: P845886

Luminaire Tested: **GLAN-SB1B-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5391 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

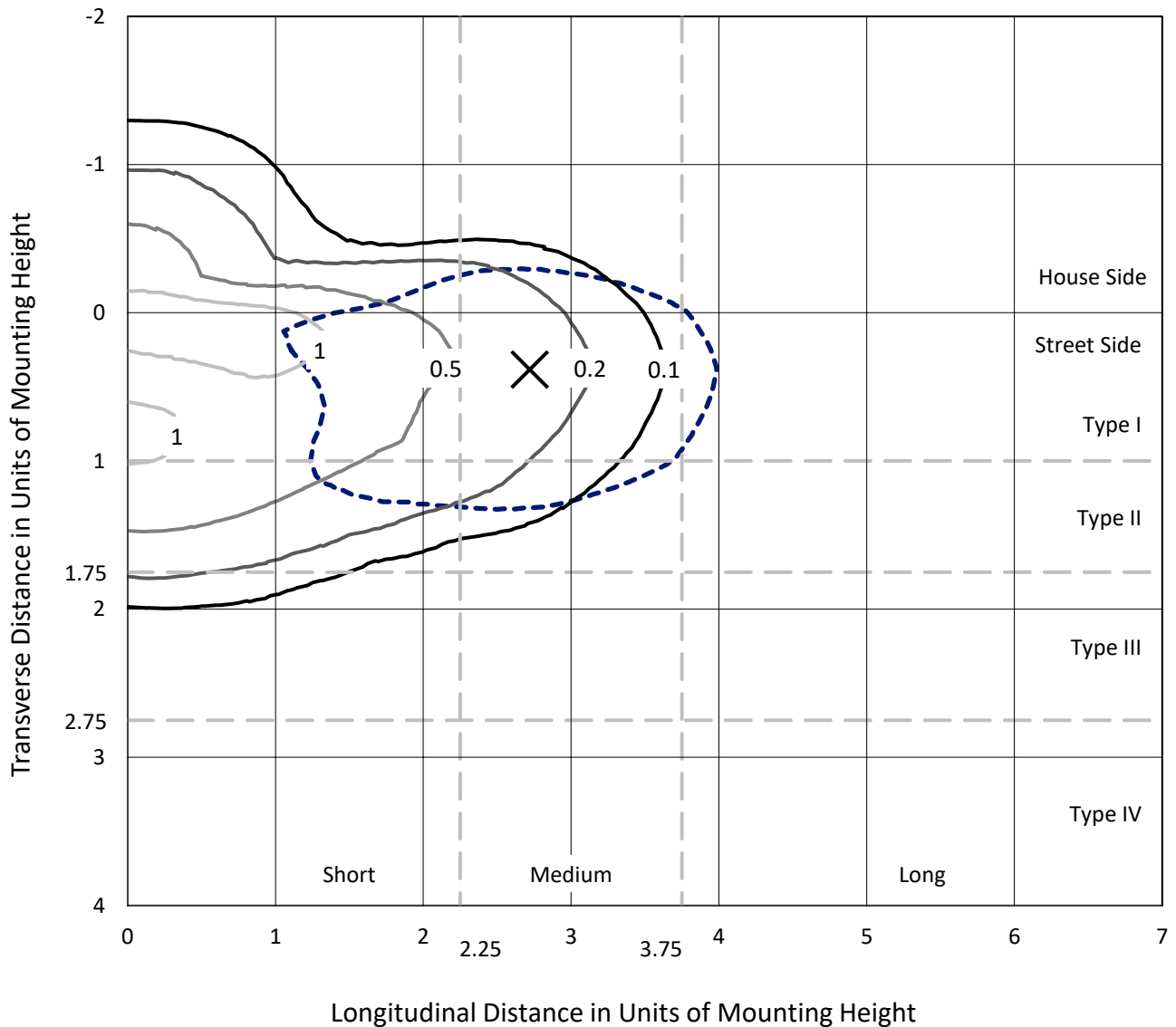
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

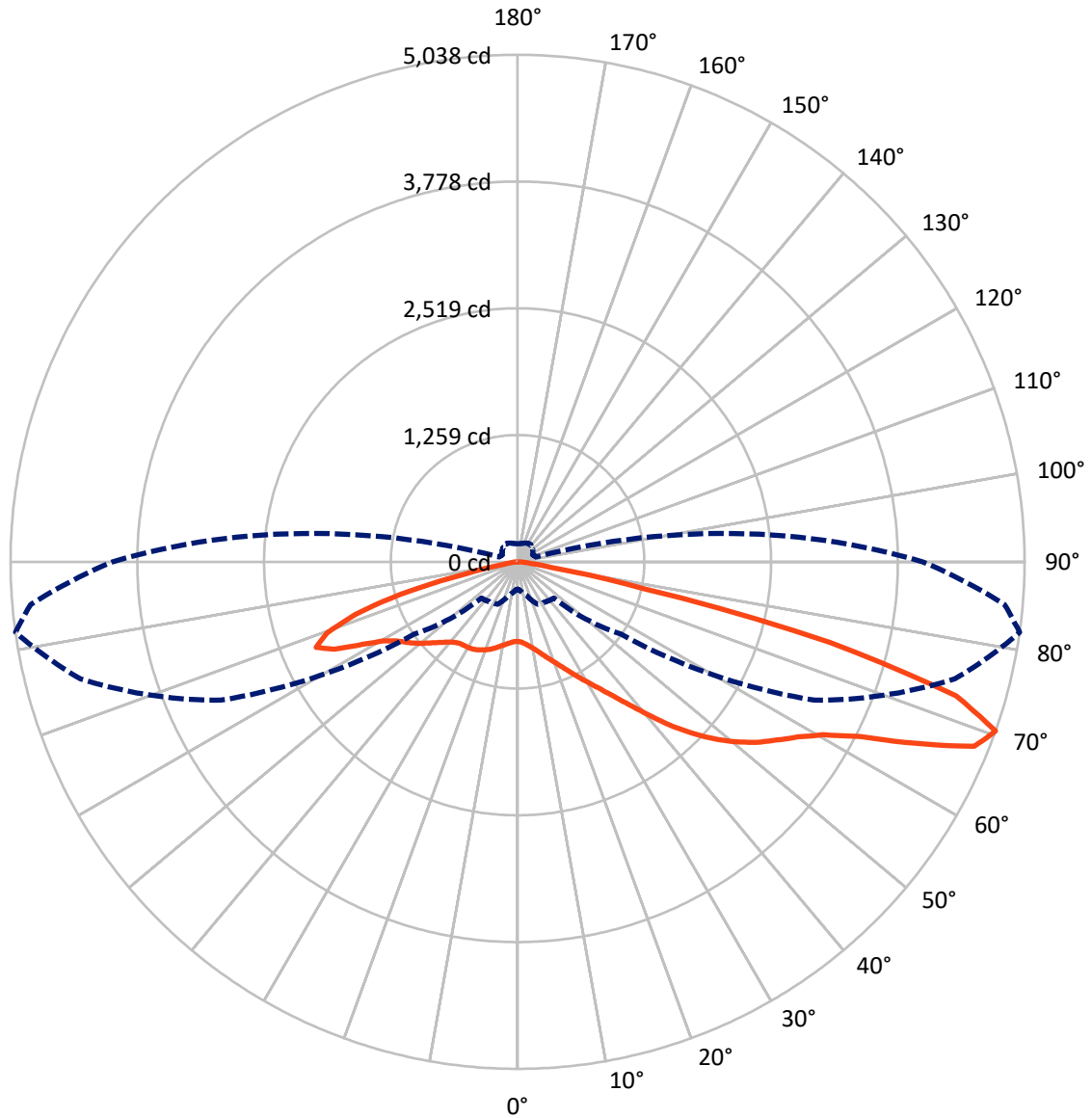
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1329.0	0.0	1329.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	4062.0	0.0	4062.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	5391.0	0.0	5391.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	1.4
10°-20°	214.4	4.0
20°-30°	358.7	6.7
30°-40°	560.3	10.4
40°-50°	892.4	16.6
50°-60°	1241.9	23.0
60°-70°	1299.1	24.1
70°-80°	679.0	12.6
80°-90°	70.5	1.3
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°	5391.0	100.0
0°-180°	5391.0	100.0

**Coefficient of Utilization**

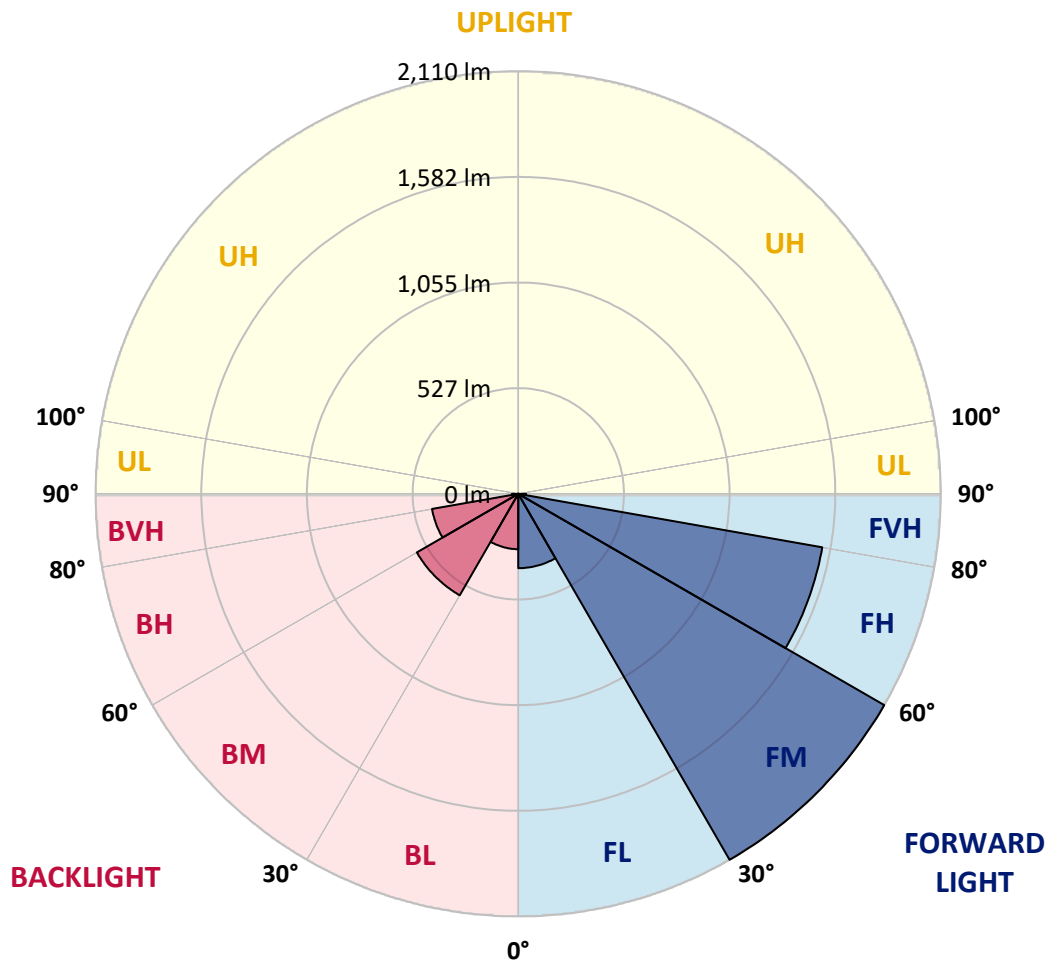


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.2	6.9			
FM (30°-60°)	2110.0	39.1			
FH (60°-80°)	1541.3	28.6			G1/1800
FVH (80°-90°)	39.5	0.7			G1/100
BL (0°-30°)	276.5	5.1	B1/500		
BM (30°-60°)	584.7	10.8	B1/1000		
BH (60°-80°)	436.8	8.1	B1/500		G1/500
BVH (80°-90°)	31.0	0.6			G1/100
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°	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4
2.5°	809.3	813.8	812.4	811.0	811.0	809.0	808.7	805.8	803.5	799.8
5°	819.6	824.4	823.9	825.0	828.7	829.6	830.4	828.7	824.1	819.6
7.5°	810.4	815.8	817.6	824.4	835.9	846.2	853.9	857.0	852.7	846.2
10°	779.5	785.5	791.5	807.8	828.1	852.5	873.1	885.4	884.5	878.2
12.5°	716.9	723.2	736.0	767.8	805.0	847.9	886.2	912.0	920.8	916.3
15°	666.8	672.2	682.0	714.6	762.9	828.1	891.1	941.1	963.7	961.2
17.5°	665.4	667.7	673.7	689.1	726.3	797.3	885.9	969.7	1012.9	1012.7
20°	690.6	691.4	694.8	698.0	719.2	773.8	872.8	993.5	1068.2	1068.2
22.5°	725.5	724.9	728.3	725.5	735.8	771.8	864.5	1014.4	1129.7	1134.2
25°	777.8	774.9	774.1	767.5	769.5	790.4	873.6	1038.1	1202.6	1212.0
27.5°	847.6	843.0	839.9	824.7	819.6	828.7	901.7	1066.7	1283.8	1300.1
30°	938.6	930.3	925.7	899.4	880.8	882.2	944.0	1104.8	1368.8	1395.1
32.5°	1062.7	1049.8	1037.5	994.3	960.3	949.2	998.6	1157.4	1460.9	1503.0
35°	1201.7	1191.4	1178.3	1111.6	1059.3	1033.5	1072.4	1230.9	1568.8	1635.4
37.5°	1335.6	1326.8	1333.0	1243.2	1175.7	1138.2	1169.1	1329.6	1701.8	1800.2
40°	1474.1	1467.2	1468.1	1382.2	1303.6	1261.5	1286.4	1453.5	1854.3	1996.1
42.5°	1624.5	1619.4	1602.2	1526.1	1437.7	1398.6	1421.4	1596.5	2017.9	2219.3
45°	1793.0	1789.9	1773.9	1686.6	1585.4	1541.3	1572.2	1754.4	2182.4	2429.2
47.5°	1938.6	1941.2	1939.2	1865.7	1760.7	1696.1	1733.0	1919.2	2335.4	2626.6
50°	2008.7	2022.2	2041.9	2019.0	1953.8	1888.0	1895.2	2078.2	2481.3	2811.7
52.5°	1972.1	1997.6	2051.3	2088.0	2113.1	2099.4	2080.2	2236.1	2618.6	2978.8
55°	1835.7	1871.4	1960.7	2049.1	2177.5	2277.3	2302.5	2411.2	2752.5	3125.8
57.5°	1587.1	1645.1	1725.2	1904.0	2120.3	2363.4	2561.7	2654.1	2894.4	3282.8
60°	1160.8	1238.6	1338.2	1604.2	1920.0	2317.4	2782.2	3027.1	3096.0	3486.2
62.5°	742.9	791.0	882.5	1133.1	1496.1	2081.4	2849.7	3493.4	3437.9	3819.8
65°	508.6	539.5	623.3	764.1	967.2	1549.3	2669.0	3843.0	3980.8	4348.4
67.5°	369.6	393.0	464.6	587.9	630.2	916.8	2071.1	3826.9	4508.6	4893.1
70°	269.5	286.1	346.1	464.6	484.9	510.0	1254.7	3253.1	4497.2	5037.8
72.5°	199.7	211.1	251.4	360.4	392.5	344.4	621.0	2364.3	3864.4	4556.7
75°	144.5	153.0	182.8	275.8	314.1	262.3	309.8	1381.7	2695.6	3205.3
77.5°	110.4	117.0	136.5	202.0	251.4	196.8	192.2	635.6	1278.1	1284.4
80°	88.7	93.0	103.6	142.2	192.8	147.3	125.3	256.6	403.9	341.8
82.5°	65.2	72.4	87.5	99.8	137.9	101.6	76.4	129.6	153.6	132.2
85°	37.2	42.1	52.9	71.5	88.1	62.1	43.8	57.5	71.5	58.6
87.5°	13.2	17.2	18.6	28.0	38.3	25.7	16.9	16.6	23.5	17.4
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°
790.4	0°	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4
799.0	2.5°	796.1	794.7	789.0	781.2	773.2	765.5	762.9	757.5	753.8	751.8
817.6	5°	812.1	807.6	794.1	776.9	758.9	739.5	725.7	713.2	704.0	695.4
843.0	7.5°	835.0	827.0	803.8	773.8	741.8	709.4	685.4	667.1	654.8	646.8
872.8	10°	861.6	849.3	813.8	768.9	719.4	673.1	644.8	629.0	621.3	617.0
906.8	12.5°	892.2	874.8	824.1	757.8	685.4	632.5	613.0	608.5	608.7	609.0
949.7	15°	930.0	905.7	832.4	733.5	641.1	601.3	597.9	605.3	613.0	616.7
998.4	17.5°	972.6	938.3	833.9	693.4	597.6	581.3	592.1	608.2	619.9	625.0
1052.7	20°	1018.4	971.5	823.6	636.8	561.8	565.0	584.4	605.0	617.9	624.5
1114.8	22.5°	1070.7	1006.9	799.0	577.3	532.6	547.2	570.1	590.1	603.6	610.2
1187.7	25°	1130.5	1046.7	760.4	527.2	507.5	527.2	550.1	566.7	577.6	583.6
1269.3	27.5°	1196.9	1088.2	708.9	487.4	485.4	506.6	525.5	538.4	544.1	548.7
1355.9	30°	1263.5	1125.9	646.5	457.4	466.3	486.3	499.7	505.5	507.2	508.0
1452.6	32.5°	1335.6	1158.5	581.0	432.5	448.0	466.6	474.6	477.2	469.1	463.7
1569.9	35°	1422.9	1193.4	516.9	412.8	430.0	446.0	448.5	446.3	436.8	425.7
1716.9	37.5°	1530.7	1236.9	465.7	398.8	413.1	423.7	420.5	419.9	420.8	407.6
1893.7	40°	1662.9	1293.6	428.2	387.9	399.3	401.6	392.8	397.6	401.9	381.9
2087.7	42.5°	1809.6	1361.9	404.5	380.5	387.9	382.5	368.7	374.2	373.6	347.3
2282.5	45°	1959.2	1436.3	396.2	375.0	377.3	366.4	351.3	352.7	340.7	317.0
2469.3	47.5°	2108.0	1516.1	401.3	370.4	364.2	351.9	340.1	333.8	316.1	298.4
2648.4	50°	2253.9	1599.9	420.2	361.3	346.1	339.0	330.4	319.2	300.4	285.2
2817.7	52.5°	2389.2	1684.3	441.4	346.1	323.5	327.8	322.4	309.5	290.9	275.5
2977.9	55°	2517.3	1768.7	449.7	325.3	302.4	318.1	315.0	291.2	268.9	256.3
3145.5	57.5°	2656.9	1870.3	440.5	298.6	285.2	306.9	294.9	268.6	255.7	246.3
3363.8	60°	2850.3	2029.6	420.8	265.8	268.9	290.4	269.8	258.9	244.9	234.3
3691.1	62.5°	3171.6	2326.8	389.0	233.1	249.7	265.8	257.7	246.9	232.6	222.3
4250.6	65°	3646.4	2739.9	329.3	207.7	228.3	241.7	244.9	234.0	219.1	208.3
4740.9	67.5°	4046.9	2999.1	249.2	186.5	206.3	222.3	231.1	220.6	204.8	194.2
4855.6	70°	4024.9	2810.8	190.2	165.6	186.8	203.1	214.5	206.3	189.4	179.4
4410.5	72.5°	3574.9	2351.4	153.9	144.5	167.1	183.1	196.8	190.5	173.4	163.6
3231.1	75°	2626.3	1669.2	123.0	123.0	142.5	162.2	177.4	173.4	157.6	150.8
1356.5	77.5°	1107.1	700.3	96.4	102.1	118.4	139.3	158.2	159.6	145.9	154.5
358.7	80°	294.4	193.1	73.5	80.4	93.0	115.0	137.6	137.0	122.1	114.1
133.3	82.5°	112.1	76.1	52.3	56.6	67.2	88.1	109.0	112.4	97.5	84.4
52.3	85°	43.2	32.6	32.3	34.0	39.2	58.4	82.4	85.2	73.5	62.4
14.6	87.5°	11.2	9.7	12.0	11.4	18.0	31.2	47.2	48.9	44.9	26.0
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°
790.4
754.1
698.8
648.5
618.2
609.6
616.5
626.2
626.2
611.9
585.3
550.4
510.0
465.4
426.2
408.5
382.5
347.0
317.8
298.4
284.1
275.8
255.2
245.4
233.7
222.3
208.8
194.5
180.2
163.6
148.8
140.2
106.1
84.4
64.4
37.2
0.0

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