

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: P846816

Luminaire Tested: **GLAN-SB2C-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846816  
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-SB2C-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13197 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

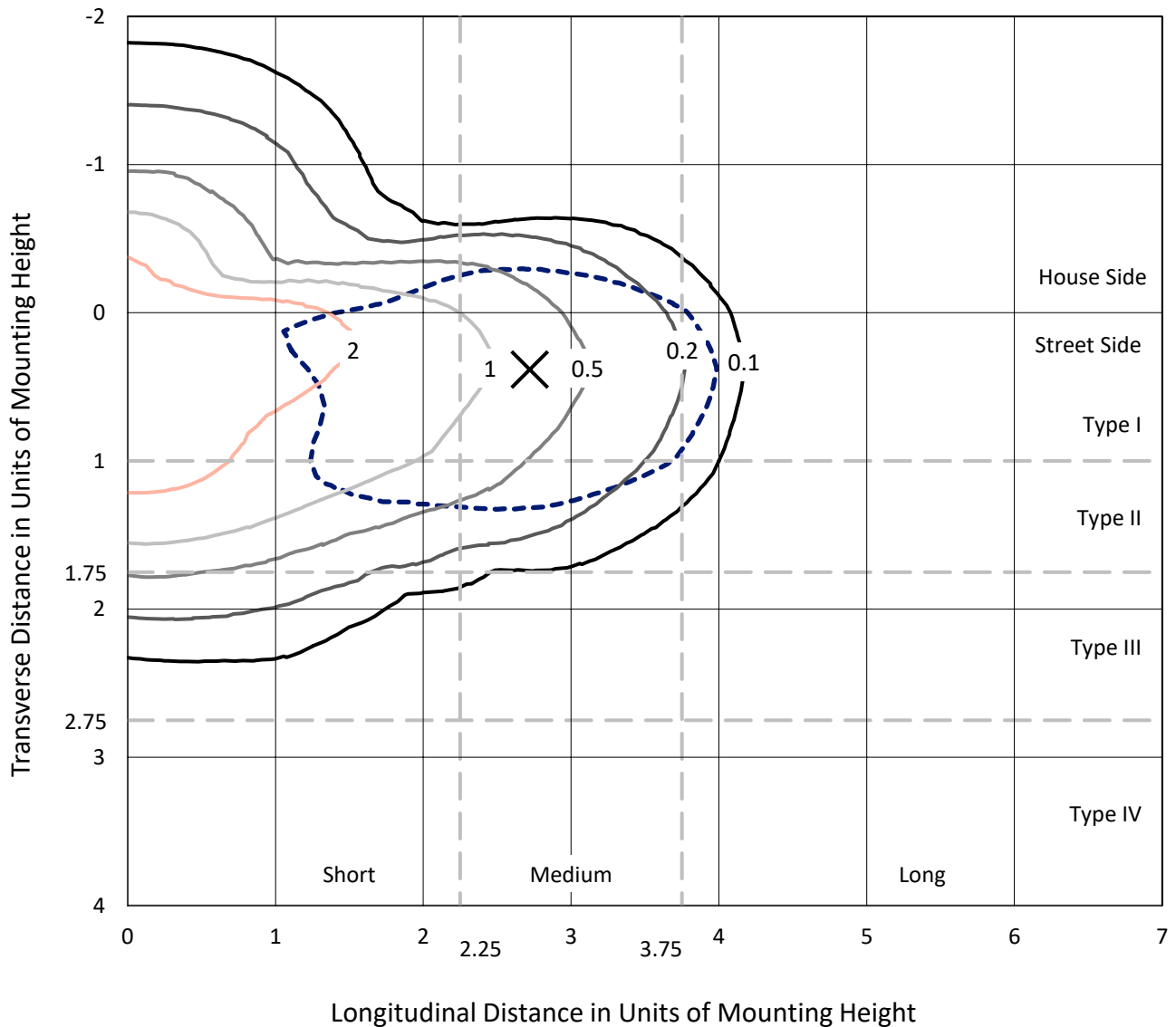
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

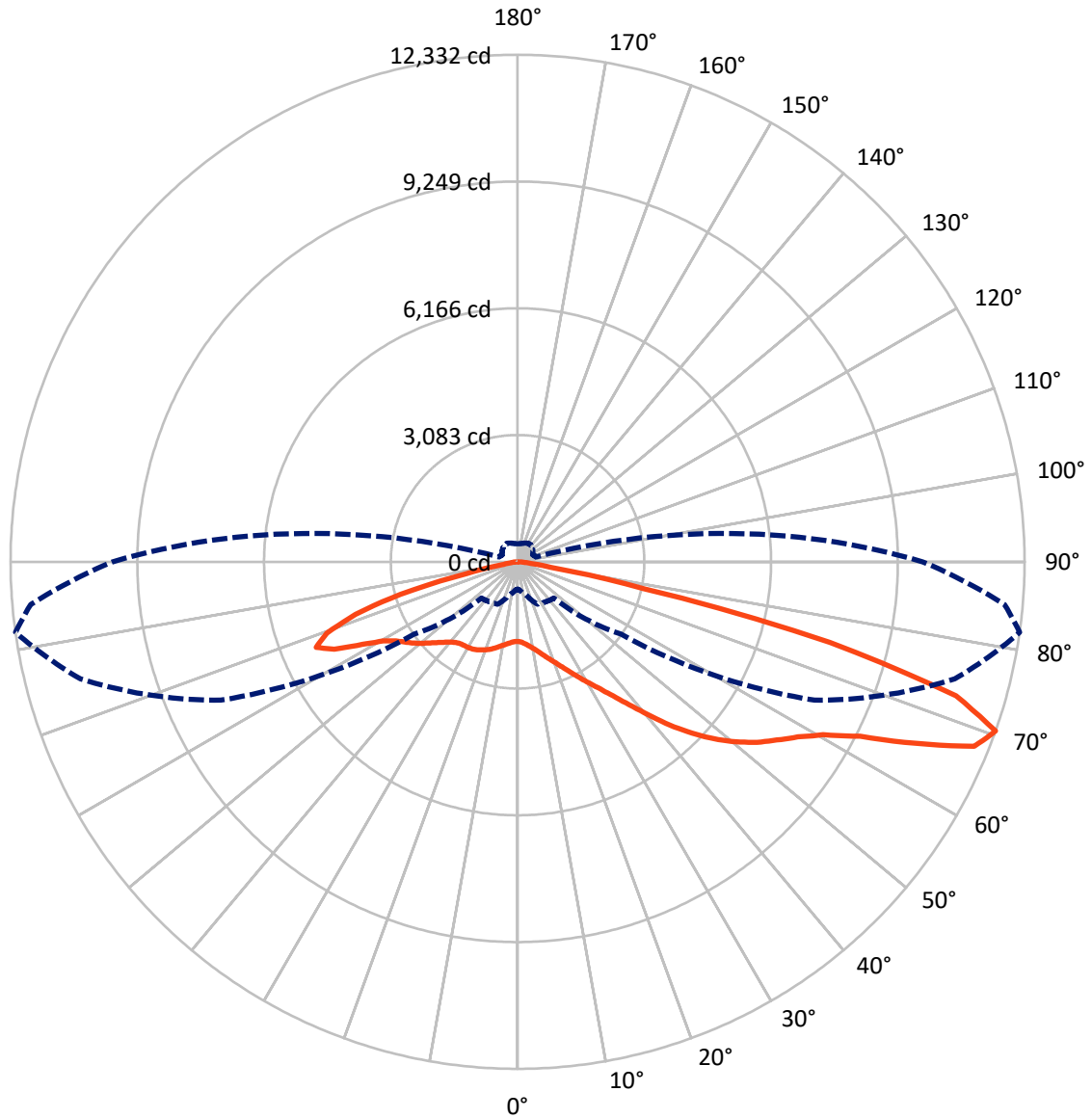
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	3253.4	0.0	3253.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	9943.6	0.0	9943.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	13197.0	0.0	13197.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.7	1.4
10°-20°	524.9	4.0
20°-30°	878.0	6.7
30°-40°	1371.7	10.4
40°-50°	2184.6	16.6
50°-60°	3040.2	23.0
60°-70°	3180.2	24.1
70°-80°	1662.1	12.6
80°-90°	172.6	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°	13197.0	100.0
0°-180°	13197.0	100.0

**Coefficient of Utilization**

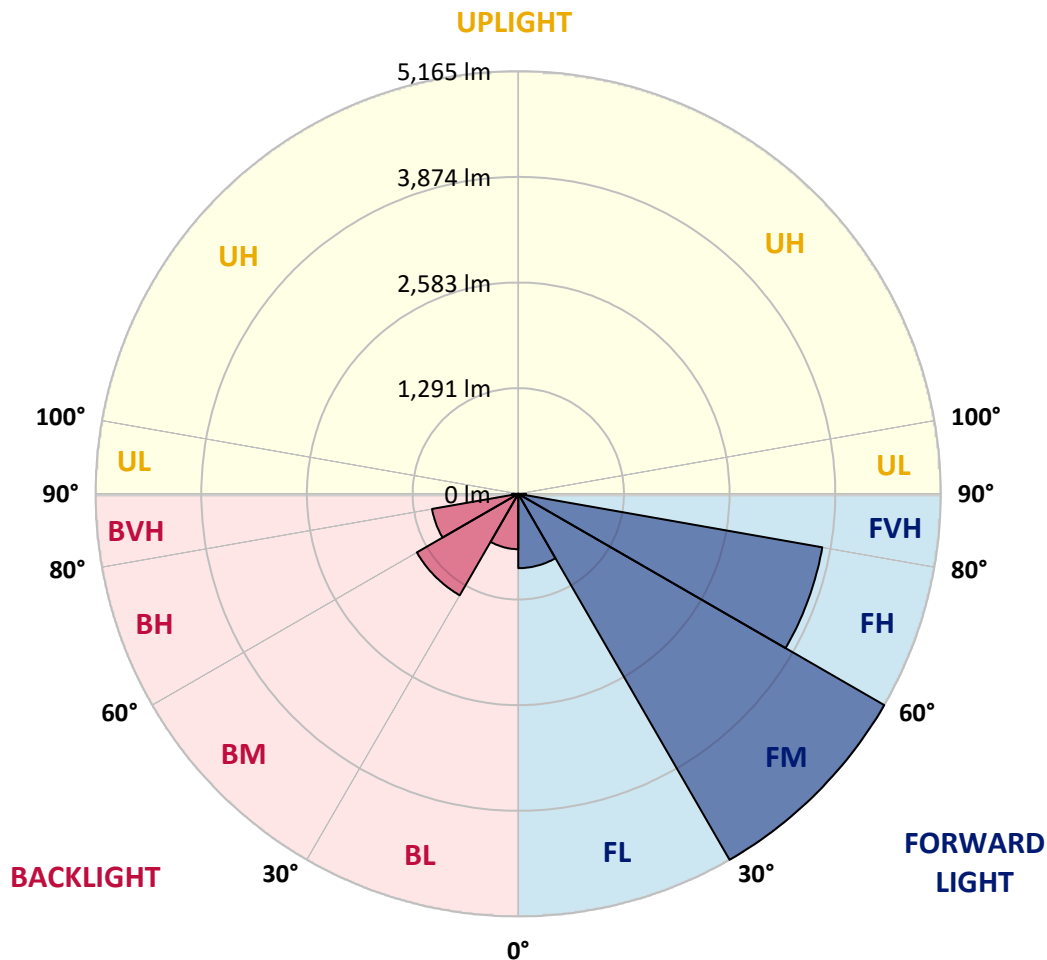


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	908.8	6.9			
FM (30°-60°)	5165.2	39.1			
FH (60°-80°)	3773.1	28.6			G2/5000
FVH (80°-90°)	96.6	0.7			G1/100
BL (0°-30°)	676.8	5.1	B2/1000		
BM (30°-60°)	1431.4	10.8	B2/2500		
BH (60°-80°)	1069.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	76.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8
2.5°	1981.1	1992.3	1988.8	1985.3	1985.3	1980.4	1979.7	1972.7	1967.1	1958.0
5°	2006.3	2018.2	2016.8	2019.6	2028.7	2030.8	2032.9	2028.7	2017.5	2006.3
7.5°	1983.9	1997.2	2001.4	2018.2	2046.2	2071.4	2090.3	2098.0	2087.5	2071.4
10°	1908.2	1922.9	1937.6	1977.6	2027.3	2086.8	2137.2	2167.3	2165.2	2149.8
12.5°	1754.9	1770.3	1801.8	1879.5	1970.6	2075.6	2169.4	2232.5	2254.2	2243.0
15°	1632.3	1645.6	1669.4	1749.3	1867.6	2027.3	2181.3	2303.9	2359.2	2352.9
17.5°	1628.8	1634.4	1649.1	1686.9	1778.0	1951.7	2168.7	2373.9	2479.7	2479.0
20°	1690.5	1692.6	1701.0	1708.7	1760.5	1894.2	2136.5	2432.0	2614.8	2614.8
22.5°	1775.9	1774.5	1782.9	1775.9	1801.1	1889.3	2116.2	2483.2	2765.4	2776.6
25°	1904.0	1897.0	1894.9	1878.8	1883.7	1934.8	2138.6	2541.3	2943.9	2967.0
27.5°	2074.9	2063.7	2056.0	2018.9	2006.3	2028.7	2207.3	2611.3	3142.8	3182.7
30°	2297.6	2277.3	2266.1	2201.6	2156.1	2159.6	2310.9	2704.4	3350.8	3415.2
32.5°	2601.5	2570.0	2539.9	2434.1	2350.8	2323.5	2444.6	2833.3	3576.3	3679.2
35°	2941.8	2916.6	2884.4	2721.2	2593.1	2530.1	2625.3	3013.3	3840.3	4003.4
37.5°	3269.6	3247.9	3263.3	3043.4	2878.1	2786.4	2862.0	3254.9	4165.9	4406.8
40°	3608.5	3591.7	3593.8	3383.7	3191.1	3088.2	3149.1	3558.1	4539.1	4886.5
42.5°	3976.8	3964.2	3922.2	3735.9	3519.6	3423.6	3479.6	3908.2	4939.7	5432.7
45°	4389.3	4381.6	4342.4	4128.8	3880.9	3773.1	3848.7	4294.8	5342.4	5946.7
47.5°	4745.7	4752.0	4747.1	4567.2	4310.2	4151.9	4242.2	4698.1	5717.0	6429.9
50°	4917.3	4950.2	4998.5	4942.5	4782.8	4621.8	4639.3	5087.5	6074.1	6883.0
52.5°	4827.7	4890.0	5021.6	5111.3	5172.9	5139.3	5092.4	5474.0	6410.3	7291.9
55°	4493.6	4581.2	4799.6	5016.0	5330.5	5574.8	5636.5	5902.6	6738.0	7651.8
57.5°	3885.1	4027.3	4223.3	4661.0	5190.4	5785.6	6270.9	6497.1	7085.3	8036.3
60°	2841.7	3032.2	3275.9	3927.1	4700.2	5672.9	6810.8	7410.3	7579.0	8534.2
62.5°	1818.6	1936.2	2160.3	2773.8	3662.4	5095.2	6976.1	8551.7	8415.8	9350.7
65°	1245.1	1320.7	1525.9	1870.4	2367.6	3792.7	6533.5	9407.4	9745.0	10644.8
67.5°	904.7	962.2	1137.2	1439.1	1542.7	2244.4	5070.0	9368.2	11037.0	11978.1
70°	659.7	700.3	847.3	1137.2	1187.0	1248.6	3071.4	7963.5	11008.9	12332.4
72.5°	488.8	516.8	615.5	882.3	960.8	843.1	1520.3	5787.7	9459.9	11154.6
75°	353.6	374.6	447.5	675.1	768.9	642.1	758.4	3382.3	6598.6	7846.5
77.5°	270.3	286.4	334.0	494.4	615.5	481.8	470.6	1556.0	3128.8	3144.2
80°	217.1	227.6	253.5	348.0	472.0	360.6	306.7	628.1	988.8	836.8
82.5°	159.7	177.2	214.3	244.4	337.5	248.6	187.0	317.2	376.0	323.5
85°	91.0	102.9	129.5	175.1	215.7	152.0	107.1	140.8	175.1	143.6
87.5°	32.2	42.0	45.5	68.6	93.8	63.0	41.3	40.6	57.4	42.7
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°
1934.8	0°	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8	1934.8
1955.9	2.5°	1948.9	1945.3	1931.3	1912.4	1892.8	1873.9	1867.6	1854.3	1845.2	1840.3
2001.4	5°	1988.1	1976.9	1943.9	1901.9	1857.8	1810.2	1776.6	1745.8	1723.4	1702.4
2063.7	7.5°	2044.1	2024.5	1967.8	1894.2	1815.8	1736.7	1677.8	1633.0	1602.9	1583.3
2136.5	10°	2109.2	2079.1	1992.3	1882.3	1761.2	1647.7	1578.4	1539.9	1521.0	1510.5
2219.9	12.5°	2184.1	2141.4	2017.5	1855.0	1677.8	1548.3	1500.7	1489.5	1490.2	1490.9
2324.9	15°	2276.6	2217.1	2037.8	1795.5	1569.3	1472.0	1463.6	1481.8	1500.7	1509.8
2443.9	17.5°	2380.9	2296.9	2041.3	1697.5	1462.9	1422.9	1449.6	1488.8	1517.5	1530.1
2577.0	20°	2493.0	2378.1	2016.1	1558.8	1375.3	1383.0	1430.7	1481.1	1512.6	1528.7
2729.0	22.5°	2621.1	2464.9	1955.9	1413.1	1303.9	1339.6	1395.6	1444.7	1477.6	1493.7
2907.5	25°	2767.5	2562.3	1861.3	1290.6	1242.3	1290.6	1346.6	1387.2	1413.8	1428.6
3107.1	27.5°	2929.9	2663.8	1735.3	1193.3	1188.4	1240.2	1286.4	1317.9	1331.9	1343.1
3319.3	30°	3093.1	2756.3	1582.6	1119.7	1141.4	1190.5	1223.4	1237.4	1241.6	1243.7
3556.0	32.5°	3269.6	2836.1	1422.2	1058.8	1096.6	1142.1	1161.7	1168.0	1148.4	1135.1
3843.1	35°	3483.1	2921.5	1265.4	1010.5	1052.5	1091.7	1098.0	1092.4	1069.3	1042.0
4203.0	37.5°	3747.1	3028.0	1140.0	976.2	1011.2	1037.1	1029.4	1028.0	1030.1	997.9
4635.8	40°	4070.7	3166.6	1048.3	949.6	977.6	983.2	961.5	973.4	983.9	934.9
5110.6	42.5°	4429.9	3334.0	990.2	931.4	949.6	936.3	902.6	916.0	914.6	850.1
5587.5	45°	4796.1	3516.1	969.9	918.1	923.7	897.0	859.9	863.4	834.0	775.9
6044.7	47.5°	5160.3	3711.4	982.5	906.8	891.4	861.3	832.6	817.2	773.8	730.4
6483.1	50°	5517.4	3916.6	1028.7	884.4	847.3	829.8	808.8	781.5	735.3	698.2
6897.7	52.5°	5848.7	4123.2	1080.5	847.3	792.0	802.5	789.2	757.7	712.2	674.4
7289.8	55°	6162.4	4329.8	1100.8	796.2	740.2	778.7	771.0	712.9	658.3	627.4
7700.2	57.5°	6504.1	4578.4	1078.4	731.1	698.2	751.4	722.0	657.6	626.0	602.9
8234.5	60°	6977.5	4968.4	1030.1	650.6	658.3	710.8	660.4	633.7	599.4	573.5
9035.6	62.5°	7763.9	5696.0	952.4	570.7	611.3	650.6	630.9	604.3	569.3	544.1
10405.3	65°	8926.3	6707.2	806.0	508.4	558.8	591.7	599.4	572.8	536.4	509.8
11605.6	67.5°	9906.7	7341.6	609.9	456.6	504.9	544.1	565.8	539.9	501.4	475.5
11886.4	70°	9852.8	6880.9	465.7	405.5	457.3	497.2	525.2	504.9	463.6	439.1
10796.8	72.5°	8751.3	5756.2	376.7	353.6	409.0	448.2	481.8	466.4	424.4	400.6
7909.5	75°	6429.2	4086.1	301.1	301.1	348.7	397.1	434.2	424.4	385.8	369.0
3320.7	77.5°	2710.0	1714.3	236.0	250.0	289.9	341.0	387.2	390.8	357.1	378.1
878.1	80°	720.6	472.7	180.0	196.8	227.6	281.5	336.8	335.4	299.0	279.4
326.3	82.5°	274.5	186.3	128.1	138.7	164.6	215.7	266.8	275.2	238.8	206.6
128.1	85°	105.7	79.8	79.1	83.3	95.9	142.9	201.7	208.7	180.0	152.7
35.7	87.5°	27.3	23.8	29.4	28.0	44.1	76.3	115.5	119.7	109.9	63.7
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



<u>180°</u>
1934.8
1845.9
1710.8
1587.5
1513.3
1492.3
1509.1
1532.9
1532.9
1497.9
1432.8
1347.3
1248.6
1139.3
1043.4
1000.0
936.3
849.4
778.0
730.4
695.4
675.1
624.6
600.8
572.1
544.1
511.2
476.2
441.2
400.6
364.1
343.1
259.8
206.6
157.6
91.0
0.0

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