

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: P852410

Luminaire Tested: **GLAN-SB3C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852410  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-850-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14608 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

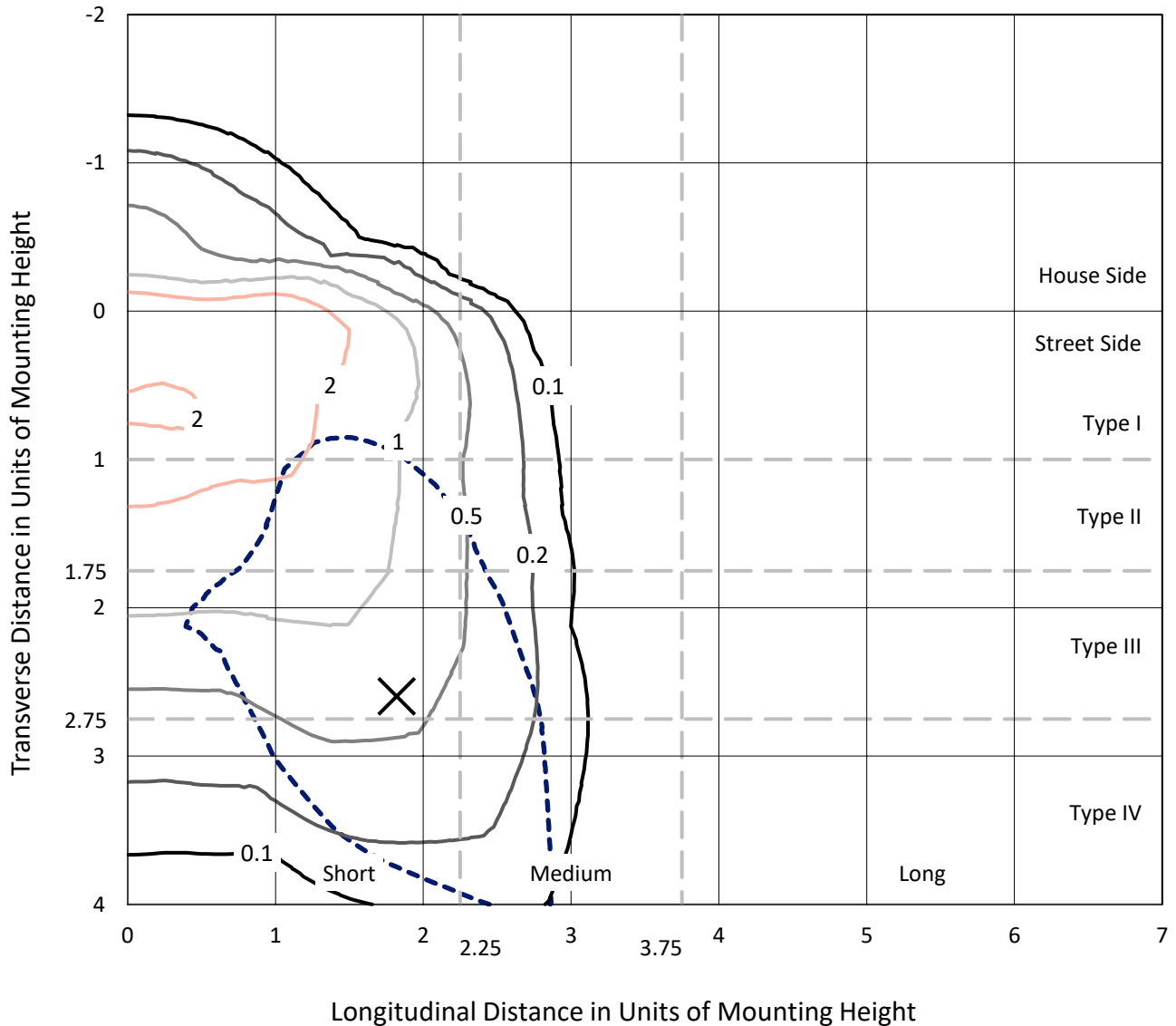
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

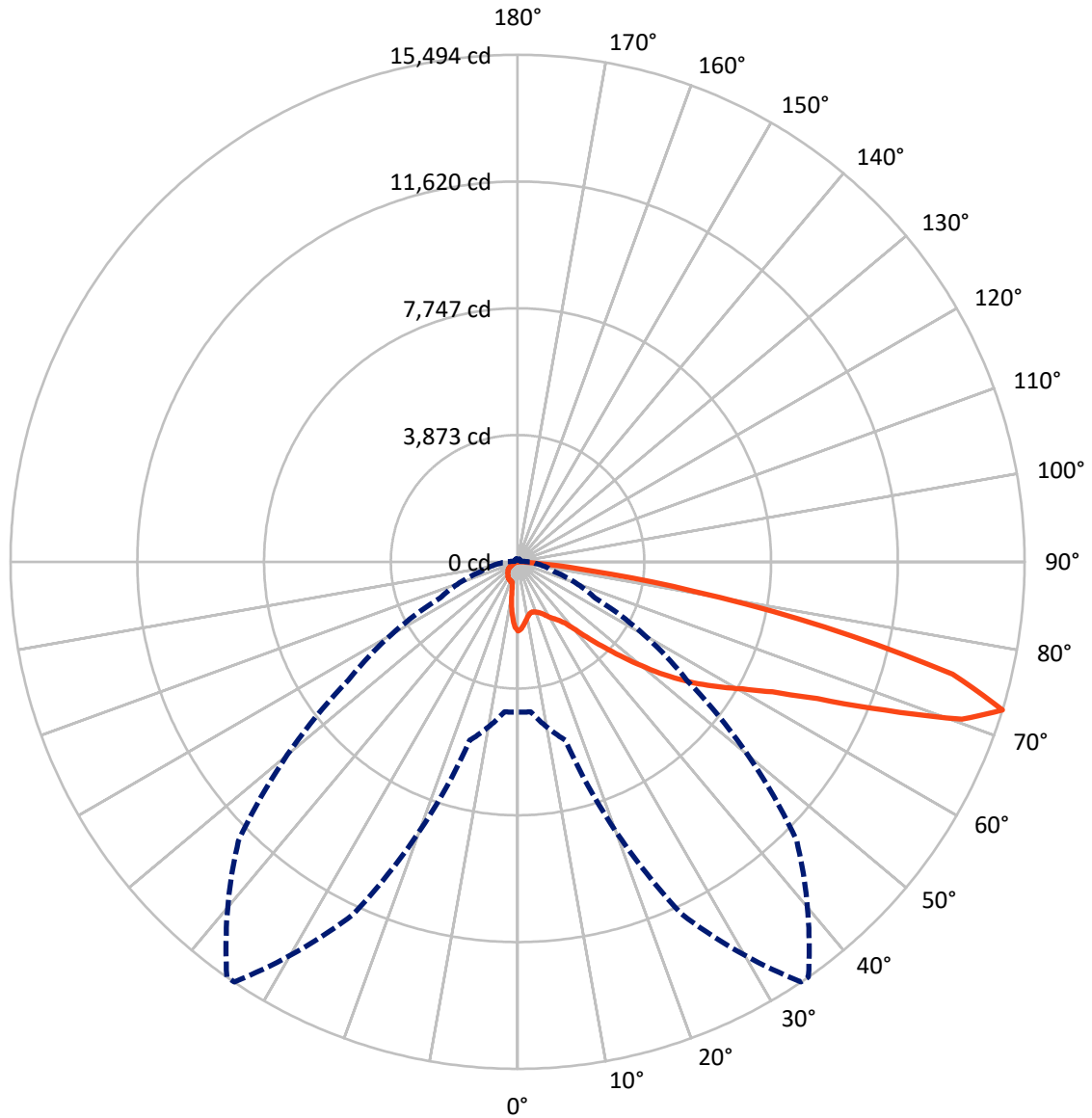
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1644.1	0.0	1644.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	12964.0	0.0	12964.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	14608.0	0.0	14608.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.0	1.2
10°-20°	407.0	2.8
20°-30°	661.2	4.5
30°-40°	1103.1	7.6
40°-50°	2087.2	14.3
50°-60°	3316.5	22.7
60°-70°	4102.7	28.1
70°-80°	2550.3	17.5
80°-90°	206.1	1.4
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°	14608.0	100.0
0°-180°	14608.0	100.0

**Coefficient of Utilization**



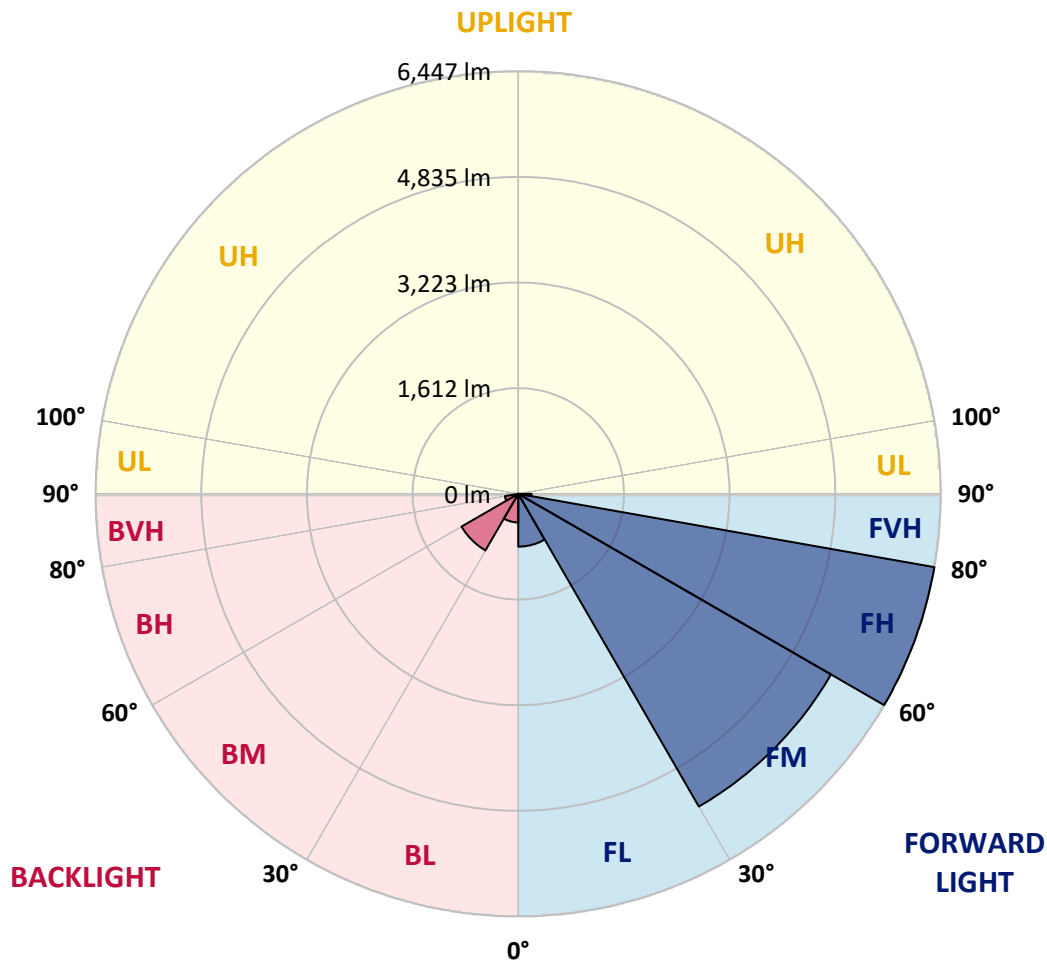
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	805.3	5.5			
FM	(30°-60°)	5508.7	37.7			
FH	(60°-80°)	6446.7	44.1			G3/7500
FVH	(80°-90°)	203.3	1.4			G2/225
BL	(0°-30°)	436.9	3.0	B1/500		
BM	(30°-60°)	998.1	6.8	B1/1000		
BH	(60°-80°)	206.3	1.4	B1/500		G1/500
BVH	(80°-90°)	2.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2
2.5°	2023.0	2040.1	2043.3	2048.7	2048.7	2055.1	2065.8	2080.8	2105.4	2118.3
5°	1864.6	1877.4	1893.5	1906.3	1930.9	1934.2	1975.9	2016.6	2073.3	2116.1
7.5°	1705.1	1720.1	1741.5	1772.5	1804.6	1814.3	1877.4	1945.9	2035.8	2116.1
10°	1592.7	1593.8	1613.0	1644.1	1695.5	1707.2	1784.3	1881.7	1994.1	2103.3
12.5°	1529.6	1537.0	1545.6	1569.2	1618.4	1625.9	1708.3	1822.8	1952.4	2095.8
15°	1529.6	1534.9	1540.3	1552.0	1591.6	1598.1	1670.8	1785.4	1930.9	2099.0
17.5°	1545.6	1554.2	1549.9	1563.8	1605.6	1609.8	1674.1	1774.7	1929.9	2119.3
20°	1584.1	1590.6	1582.0	1590.6	1632.3	1640.9	1707.2	1795.0	1948.1	2154.7
22.5°	1645.2	1648.4	1628.0	1634.5	1677.3	1688.0	1765.0	1852.8	1992.0	2211.4
25°	1722.2	1728.6	1697.6	1705.1	1745.8	1758.6	1847.5	1939.5	2061.5	2289.5
27.5°	1811.1	1814.3	1787.5	1786.4	1838.9	1857.1	1947.0	2046.5	2154.7	2388.0
30°	1912.7	1922.4	1896.7	1892.4	1958.8	1973.8	2062.6	2178.2	2291.7	2535.7
32.5°	1993.0	2000.5	1985.5	1996.2	2063.7	2075.4	2202.8	2364.4	2506.8	2745.5
35°	2108.6	2112.9	2078.7	2097.9	2175.0	2205.0	2394.4	2625.6	2777.6	3008.8
37.5°	2527.1	2527.1	2381.6	2286.3	2360.2	2386.9	2656.7	2954.2	3111.6	3362.0
40°	3106.2	3096.6	2883.6	2688.8	2679.1	2731.6	3030.2	3368.4	3542.9	3785.9
42.5°	3723.8	3708.8	3418.8	3226.1	3194.0	3212.2	3461.6	3879.0	4056.7	4302.9
45°	4271.8	4267.6	4002.1	3743.1	3685.3	3743.1	4000.0	4476.3	4603.7	4862.7
47.5°	4731.0	4731.0	4537.3	4368.2	4338.2	4372.5	4728.9	5138.8	5127.1	5458.9
50°	5259.8	5255.5	5071.4	4998.6	5029.7	5077.8	5568.1	5836.7	5668.7	6044.4
52.5°	5630.1	5655.8	5592.7	5580.9	5739.3	5822.8	6420.1	6519.6	6153.5	6599.9
55°	5923.4	5953.4	6026.2	6108.6	6413.6	6522.8	7245.3	7167.2	6559.2	7081.6
57.5°	6338.7	6295.9	6408.3	6571.0	7064.4	7196.1	8044.9	7778.4	6885.7	7472.2
60°	6842.9	6849.3	6868.6	7074.1	7714.1	7883.3	8832.7	8356.4	7095.5	7712.0
62.5°	7448.7	7458.3	7497.9	7813.7	8586.5	8746.0	9671.9	8829.5	7191.8	7644.6
65°	7407.0	7447.6	7889.7	8969.7	9912.7	10070.0	10651.2	9161.3	7046.2	7028.0
67.5°	6747.6	6814.0	7553.6	10350.5	11912.1	12087.7	11835.1	9226.6	6417.9	5465.3
70°	5882.7	5906.3	6795.8	11592.1	14227.3	14405.0	12894.7	8508.4	4870.2	3048.4
72.5°	4594.0	4599.4	5643.0	11880.0	15484.0	15493.6	12063.1	6316.2	2619.2	1171.0
75°	3281.7	3249.6	3779.5	9634.4	13622.6	13731.8	9043.5	2962.8	1000.8	553.4
77.5°	1759.7	1795.0	2138.6	5713.6	9410.7	9596.9	4934.4	854.2	509.5	376.8
80°	543.7	573.7	876.6	2616.0	5330.4	5442.8	1829.3	380.0	355.4	268.7
82.5°	171.3	177.7	408.9	1099.3	2212.5	2263.8	529.8	215.1	243.0	177.7
85°	49.2	50.3	182.0	410.0	547.0	557.7	148.8	83.5	139.1	110.2
87.5°	5.4	17.1	68.5	68.5	48.2	47.1	16.1	18.2	39.6	13.9
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°
2117.2	0°	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2	2117.2
2126.8	2.5°	2121.5	2122.5	2108.6	2085.1	2059.4	2038.0	2011.2	1989.8	1974.8	1970.5
2146.1	5°	2136.5	2129.0	2089.4	2017.6	1932.0	1858.2	1775.7	1710.4	1667.6	1649.4
2166.4	7.5°	2158.9	2137.5	2050.8	1909.5	1745.8	1600.2	1452.5	1338.0	1265.2	1228.8
2185.7	10°	2178.2	2135.4	1986.6	1753.3	1502.8	1282.3	1083.2	945.1	868.1	831.7
2208.2	12.5°	2196.4	2134.3	1903.1	1568.1	1228.8	959.1	773.9	705.4	684.0	676.5
2244.6	15°	2230.6	2137.5	1798.2	1356.2	955.8	724.6	657.2	656.1	660.4	658.3
2300.2	17.5°	2277.7	2140.7	1679.4	1131.4	737.5	639.0	635.8	645.4	651.9	648.6
2369.8	20°	2338.8	2153.6	1553.1	908.7	633.7	617.6	625.1	633.7	639.0	633.7
2462.9	22.5°	2424.4	2176.1	1415.0	730.0	600.5	604.8	611.2	620.8	626.2	618.7
2581.7	25°	2529.3	2211.4	1279.1	634.7	584.4	589.8	599.4	610.1	616.5	609.0
2731.6	27.5°	2665.2	2268.1	1153.9	613.3	568.4	571.6	585.5	601.5	610.1	600.5
2944.6	30°	2862.2	2361.2	1045.8	623.0	558.7	551.2	570.5	593.0	602.6	594.1
3234.7	32.5°	3123.3	2492.9	979.4	637.9	554.5	527.7	545.9	574.8	590.8	585.5
3613.6	35°	3465.9	2693.0	953.7	655.1	551.2	503.1	515.9	547.0	574.8	580.1
4090.9	37.5°	3881.2	2971.3	961.2	662.6	541.6	482.7	489.2	515.9	552.3	569.4
4628.3	40°	4353.2	3295.7	1004.0	655.1	530.9	465.6	466.7	487.0	519.1	544.8
5206.3	42.5°	4840.2	3674.6	1083.2	627.2	521.3	450.6	447.4	461.3	482.7	500.9
5783.2	45°	5303.7	4064.2	1161.3	588.7	509.5	435.6	428.1	433.5	437.8	445.3
6345.1	47.5°	5708.3	4338.2	1138.9	553.4	493.4	418.5	405.7	403.5	390.7	389.6
6847.1	50°	5987.6	4398.1	1011.5	518.1	469.9	399.2	378.9	366.1	343.6	332.9
7222.8	52.5°	6076.5	4161.6	826.3	482.7	431.4	373.6	344.7	324.3	296.5	286.9
7439.1	55°	5958.7	3698.1	660.4	439.9	377.8	339.3	307.2	280.4	258.0	246.2
7462.6	57.5°	5670.8	3108.4	522.3	389.6	321.1	300.8	268.7	241.9	222.6	210.9
7201.4	60°	5193.4	2468.3	413.2	329.7	274.0	259.0	225.8	208.7	191.6	177.7
6527.1	62.5°	4468.8	1761.8	324.3	261.2	229.1	211.9	192.7	179.8	159.5	140.2
5314.4	65°	3487.3	1077.9	250.5	191.6	184.1	175.5	163.8	152.0	127.4	108.1
3466.9	67.5°	2199.6	510.6	178.8	144.5	145.6	141.3	135.9	126.3	108.1	91.0
1553.1	70°	968.7	247.3	117.7	110.2	108.1	108.1	112.4	109.2	92.1	76.0
539.5	72.5°	329.7	132.7	87.8	83.5	78.1	77.1	94.2	91.0	73.9	58.9
268.7	75°	172.3	88.8	64.2	59.9	47.1	56.7	74.9	70.6	52.4	38.5
177.7	77.5°	112.4	63.2	43.9	38.5	26.8	37.5	55.7	49.2	31.0	19.3
116.7	80°	70.6	41.7	25.7	18.2	12.8	20.3	30.0	21.4	11.8	4.3
68.5	82.5°	37.5	21.4	9.6	6.4	5.4	6.4	7.5	5.4	2.1	0.0
35.3	85°	15.0	7.5	3.2	2.1	1.1	0.0	2.1	1.1	0.0	0.0
6.4	87.5°	5.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2117.2
1978.0
1655.9
1234.1
832.7
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632.6
617.6
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