

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: P852786

Luminaire Tested: **GLAN-SB6B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852786  
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-SB6B-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA 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: 16650 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

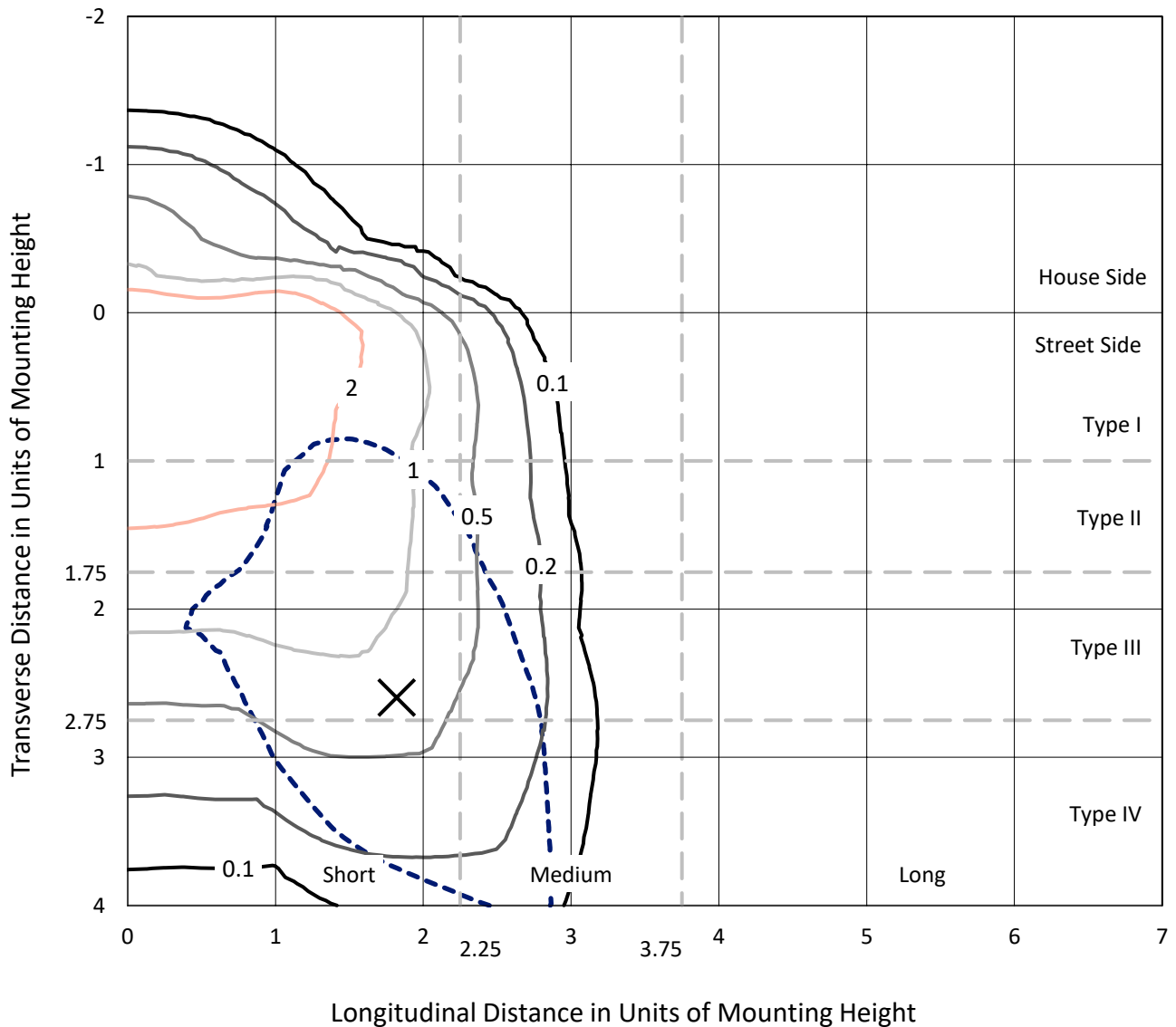
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

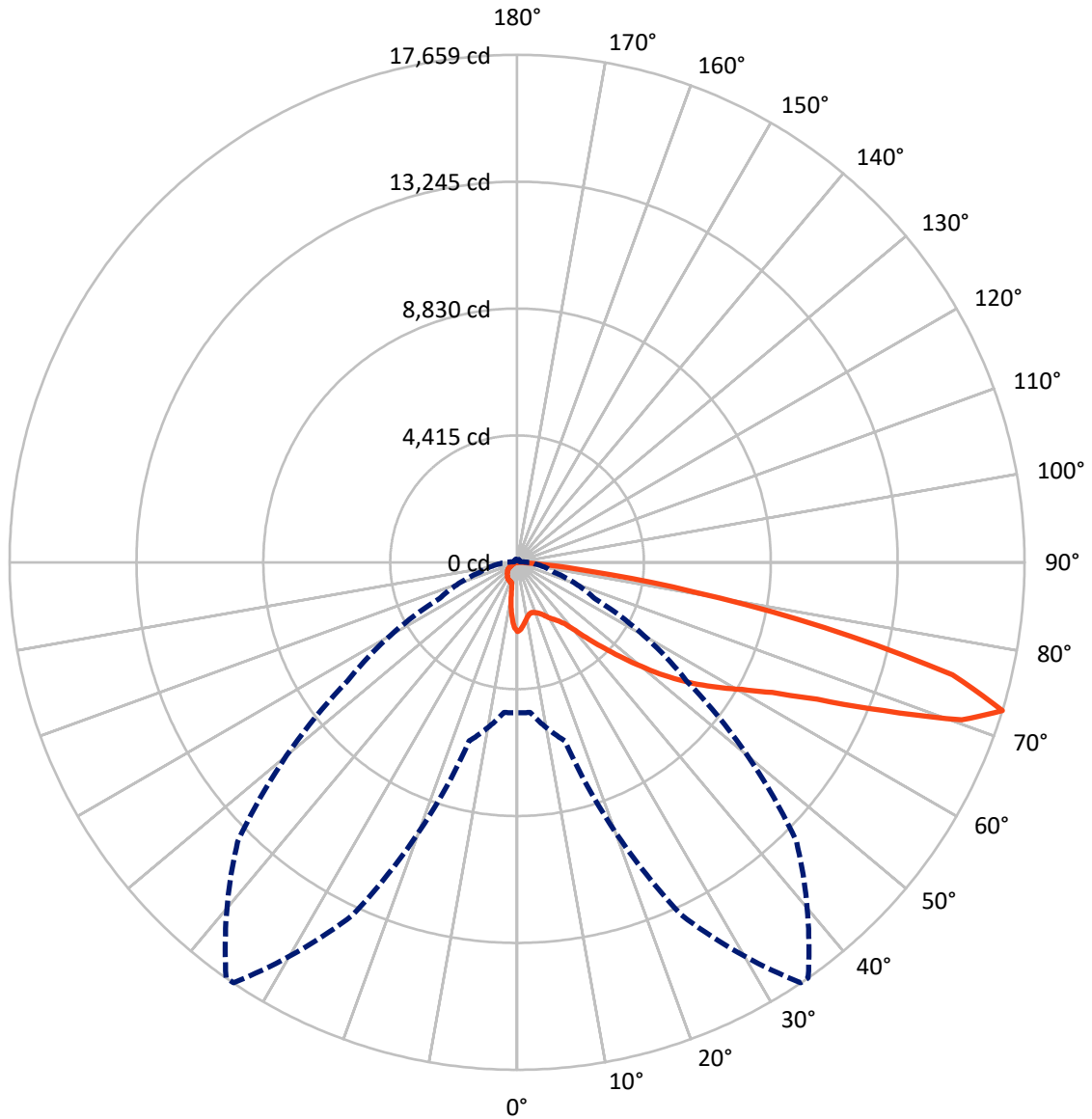
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1873.9	0.0	1873.9
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	14776.1	0.0	14776.1
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	16650.0	0.0	16650.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.3	1.2
10°-20°	463.9	2.8
20°-30°	753.6	4.5
30°-40°	1257.3	7.6
40°-50°	2378.9	14.3
50°-60°	3780.1	22.7
60°-70°	4676.2	28.1
70°-80°	2906.8	17.5
80°-90°	234.9	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°	16650.0	100.0
0°-180°	16650.0	100.0

**Coefficient of Utilization**



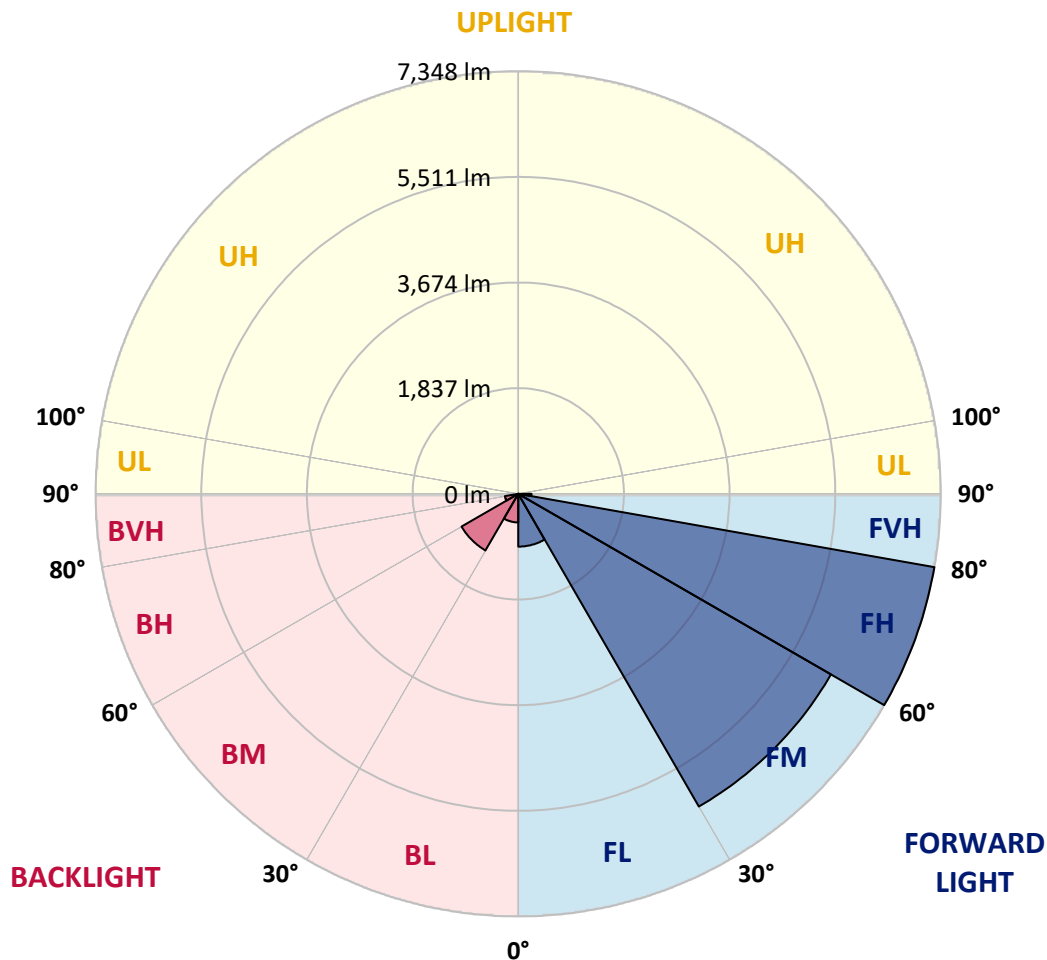
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.8	5.5			
FM (30°-60°)	6278.7	37.7			
FH (60°-80°)	7347.8	44.1			G3/7500
FVH (80°-90°)	231.7	1.4			G3/500
BL (0°-30°)	497.9	3.0	B1/500		
BM (30°-60°)	1137.6	6.8	B2/2500		
BH (60°-80°)	235.1	1.4	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1
2.5°	2305.8	2325.3	2329.0	2335.1	2335.1	2342.4	2354.6	2371.7	2399.7	2414.4
5°	2125.2	2139.9	2158.2	2172.8	2200.9	2204.5	2252.1	2298.5	2363.1	2411.9
7.5°	1943.4	1960.5	1984.9	2020.3	2056.9	2067.9	2139.9	2217.9	2320.4	2411.9
10°	1815.3	1816.6	1838.5	1873.9	1932.5	1945.9	2033.7	2144.7	2272.8	2397.3
12.5°	1743.4	1751.9	1761.7	1788.5	1844.6	1853.2	1947.1	2077.6	2225.3	2388.7
15°	1743.4	1749.5	1755.6	1769.0	1814.1	1821.4	1904.4	2034.9	2200.9	2392.4
17.5°	1761.7	1771.4	1766.5	1782.4	1830.0	1834.9	1908.1	2022.7	2199.6	2415.6
20°	1805.6	1812.9	1803.1	1812.9	1860.5	1870.2	1945.9	2045.9	2220.4	2455.8
22.5°	1875.1	1878.8	1855.6	1862.9	1911.7	1923.9	2011.8	2111.8	2270.4	2520.5
25°	1963.0	1970.3	1934.9	1943.4	1989.8	2004.4	2105.7	2210.6	2349.7	2609.6
27.5°	2064.2	2067.9	2037.4	2036.2	2095.9	2116.7	2219.2	2332.6	2455.8	2721.8
30°	2180.1	2191.1	2161.8	2156.9	2232.6	2249.7	2350.9	2482.7	2612.0	2890.2
32.5°	2271.6	2280.2	2263.1	2275.3	2352.1	2365.6	2510.7	2695.0	2857.2	3129.3
35°	2403.4	2408.3	2369.2	2391.2	2479.0	2513.2	2729.1	2992.6	3165.9	3429.4
37.5°	2880.4	2880.4	2714.5	2605.9	2690.1	2720.6	3028.0	3367.2	3546.5	3832.0
40°	3540.4	3529.4	3286.7	3064.6	3053.6	3113.4	3453.8	3839.3	4038.2	4315.1
42.5°	4244.4	4227.3	3896.7	3677.1	3640.5	3661.2	3945.5	4421.2	4623.8	4904.4
45°	4869.0	4864.1	4561.5	4266.3	4200.4	4266.3	4559.1	5102.0	5247.2	5542.4
47.5°	5392.4	5392.4	5171.5	4978.8	4944.6	4983.7	5389.9	5857.2	5843.8	6222.0
50°	5995.0	5990.2	5780.3	5697.4	5732.7	5787.6	6346.4	6652.6	6461.1	6889.3
52.5°	6417.2	6446.4	6374.5	6361.0	6541.6	6636.8	7317.5	7431.0	7013.7	7522.5
55°	6751.4	6785.6	6868.6	6962.5	7310.2	7434.6	8258.1	8169.1	7476.1	8071.5
57.5°	7224.8	7176.0	7304.1	7489.5	8051.9	8202.0	9169.5	8865.7	7848.2	8516.8
60°	7799.4	7806.7	7828.7	8062.9	8792.5	8985.2	10067.4	9524.5	8087.3	8790.0
62.5°	8489.9	8500.9	8546.0	8905.9	9786.8	9968.6	11023.8	10063.7	8197.1	8713.2
65°	8442.3	8488.7	8992.6	10223.5	11298.3	11477.7	12140.1	10441.9	8031.2	8010.5
67.5°	7690.8	7766.5	8609.5	11797.3	13577.3	13777.4	13489.4	10516.3	7315.1	6229.3
70°	6705.1	6731.9	7745.7	13212.5	16216.1	16418.6	14697.2	9697.7	5551.0	3474.5
72.5°	5236.2	5242.3	6431.8	13540.7	17648.4	17659.4	13749.3	7199.2	2985.3	1334.7
75°	3740.5	3703.9	4307.8	10981.1	15526.8	15651.3	10307.7	3376.9	1140.7	630.7
77.5°	2005.7	2045.9	2437.5	6512.3	10726.2	10938.4	5624.2	973.6	580.7	429.4
80°	619.8	653.9	999.2	2981.7	6075.6	6203.7	2085.0	433.1	405.0	306.2
82.5°	195.2	202.5	466.0	1252.9	2521.7	2580.3	603.9	245.2	276.9	202.5
85°	56.1	57.3	207.4	467.3	623.4	635.6	169.6	95.2	158.6	125.7
87.5°	6.1	19.5	78.1	78.1	54.9	53.7	18.3	20.7	45.1	15.9
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°
2413.1	0°	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1	2413.1
2424.1	2.5°	2418.0	2419.2	2403.4	2376.5	2347.3	2322.9	2292.4	2268.0	2250.9	2246.0
2446.1	5°	2435.1	2426.6	2381.4	2299.7	2202.1	2117.9	2024.0	1949.5	1900.7	1880.0
2469.3	7.5°	2460.7	2436.3	2337.5	2176.5	1989.8	1823.9	1655.5	1525.0	1442.0	1400.6
2491.2	10°	2482.7	2433.9	2264.3	1998.3	1712.9	1461.5	1234.6	1077.3	989.4	947.9
2516.8	12.5°	2503.4	2432.7	2169.1	1787.3	1400.6	1093.1	882.1	804.0	779.6	771.0
2558.3	15°	2542.5	2436.3	2049.6	1545.7	1089.5	825.9	749.1	747.9	752.7	750.3
2621.8	17.5°	2596.1	2440.0	1914.2	1289.5	840.6	728.3	724.7	735.7	743.0	739.3
2701.1	20°	2665.7	2454.6	1770.2	1035.8	722.2	703.9	712.5	722.2	728.3	722.2
2807.2	22.5°	2763.3	2480.2	1612.8	832.0	684.4	689.3	696.6	707.6	713.7	705.2
2942.6	25°	2882.8	2520.5	1457.9	723.5	666.1	672.2	683.2	695.4	702.7	694.2
3113.4	27.5°	3037.8	2585.2	1315.2	699.1	647.8	651.5	667.3	685.6	695.4	684.4
3356.2	30°	3262.3	2691.3	1191.9	710.0	636.8	628.3	650.3	675.9	686.9	677.1
3686.8	32.5°	3559.9	2841.4	1116.3	727.1	632.0	601.5	622.2	655.1	673.4	667.3
4118.7	35°	3950.3	3069.5	1087.0	746.6	628.3	573.4	588.0	623.4	655.1	661.2
4662.8	37.5°	4423.7	3386.7	1095.6	755.2	617.3	550.2	557.5	588.0	629.5	649.0
5275.2	40°	4961.7	3756.4	1144.4	746.6	605.1	530.7	531.9	555.1	591.7	621.0
5934.0	42.5°	5516.8	4188.2	1234.6	714.9	594.1	513.6	510.0	525.8	550.2	571.0
6591.6	45°	6045.1	4632.3	1323.7	671.0	580.7	496.5	488.0	494.1	499.0	507.5
7232.1	47.5°	6506.2	4944.6	1298.1	630.7	562.4	477.0	462.4	459.9	445.3	444.1
7804.3	50°	6824.6	5012.9	1152.9	590.5	535.6	455.1	431.9	417.2	391.6	379.4
8232.5	52.5°	6925.9	4743.3	941.8	550.2	491.7	425.8	392.8	369.7	337.9	327.0
8478.9	55°	6791.7	4215.1	752.7	501.4	430.7	386.7	350.1	319.6	294.0	280.6
8505.8	57.5°	6463.5	3542.9	595.4	444.1	366.0	342.8	306.2	275.7	253.8	240.3
8208.1	60°	5919.4	2813.3	470.9	375.8	312.3	295.2	257.4	237.9	218.4	202.5
7439.5	62.5°	5093.5	2008.1	369.7	297.7	261.1	241.6	219.6	205.0	181.8	159.8
6057.3	65°	3974.7	1228.5	285.5	218.4	209.8	200.1	186.7	173.2	145.2	123.2
3951.6	67.5°	2507.1	581.9	203.7	164.7	165.9	161.0	154.9	144.0	123.2	103.7
1770.2	70°	1104.1	281.8	134.2	125.7	123.2	123.2	128.1	124.4	104.9	86.6
614.9	72.5°	375.8	151.3	100.0	95.2	89.1	87.8	107.4	103.7	84.2	67.1
306.2	75°	196.4	101.3	73.2	68.3	53.7	64.7	85.4	80.5	59.8	43.9
202.5	77.5°	128.1	72.0	50.0	43.9	30.5	42.7	63.4	56.1	35.4	22.0
133.0	80°	80.5	47.6	29.3	20.7	14.6	23.2	34.2	24.4	13.4	4.9
78.1	82.5°	42.7	24.4	11.0	7.3	6.1	7.3	8.5	6.1	2.4	0.0
40.3	85°	17.1	8.5	3.7	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.3	87.5°	6.1	1.2	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°
2413.1
2254.5
1887.3
1406.7
949.2
768.6
749.1
738.1
721.0
703.9
693.0
684.4
675.9
667.3
661.2
653.9
630.7
579.5
512.4
442.9
380.6
325.7
280.6
237.9
198.9
156.2
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101.3
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