

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: P852446

Luminaire Tested: **GLAN-SB3D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852446  
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-SB3D-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 900mA 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: 14887 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

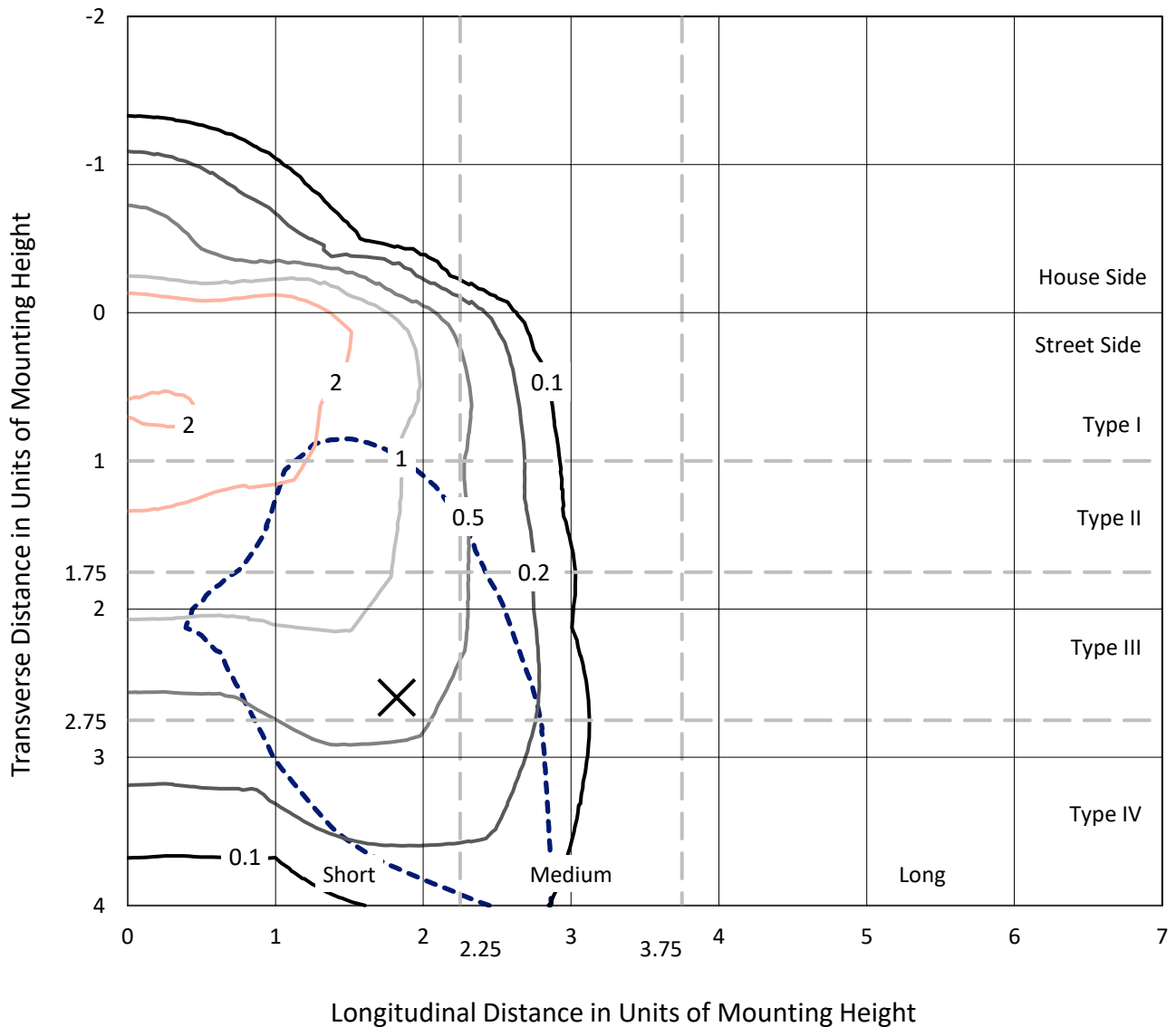
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

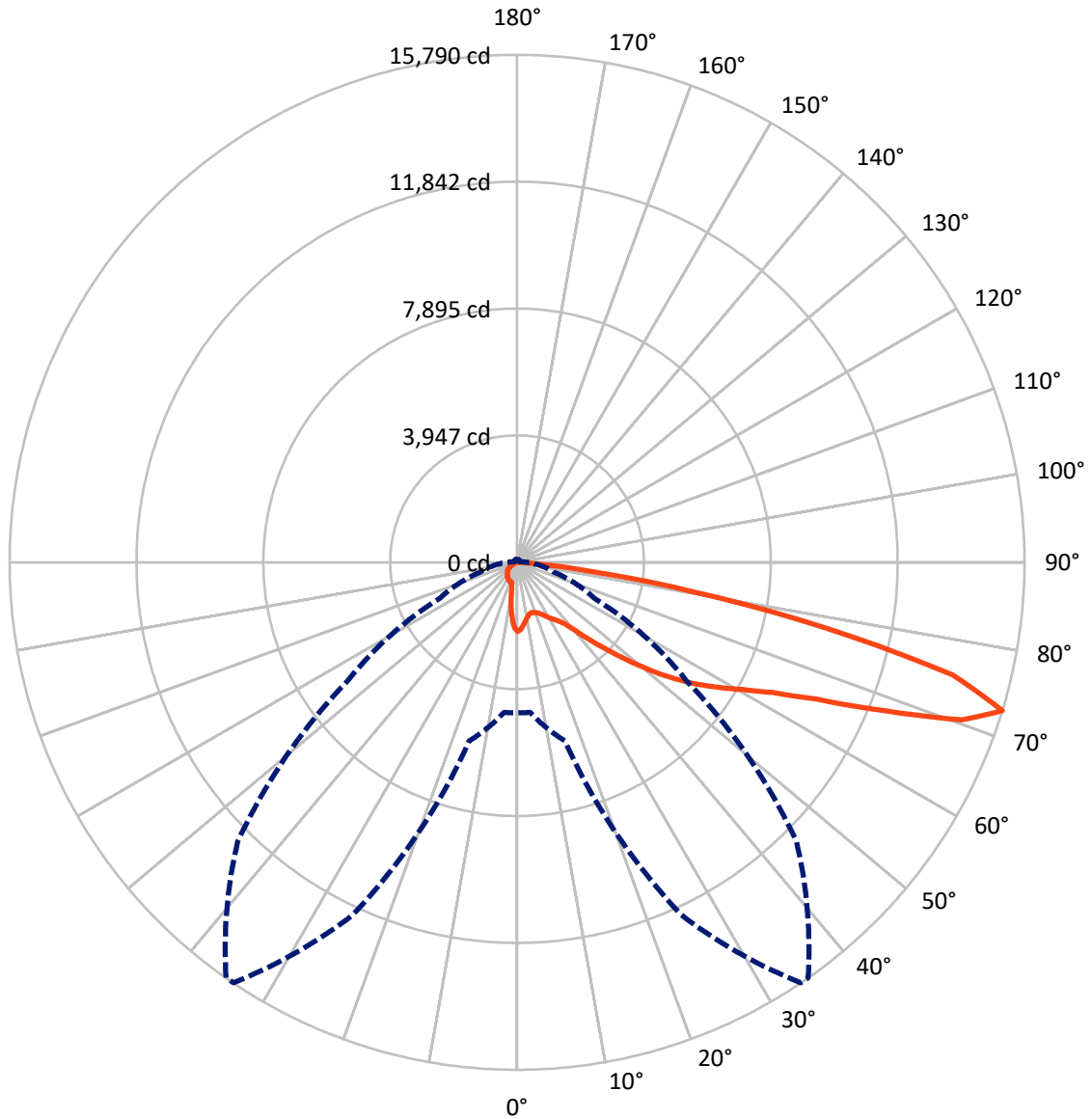
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	1675.5	0.0	1675.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	13211.5	0.0	13211.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	14887.0	0.0	14887.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.3	1.2
10°-20°	414.8	2.8
20°-30°	673.8	4.5
30°-40°	1124.2	7.6
40°-50°	2127.0	14.3
50°-60°	3379.8	22.7
60°-70°	4181.1	28.1
70°-80°	2599.0	17.5
80°-90°	210.0	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°	14887.0	100.0
0°-180°	14887.0	100.0

**Coefficient of Utilization**



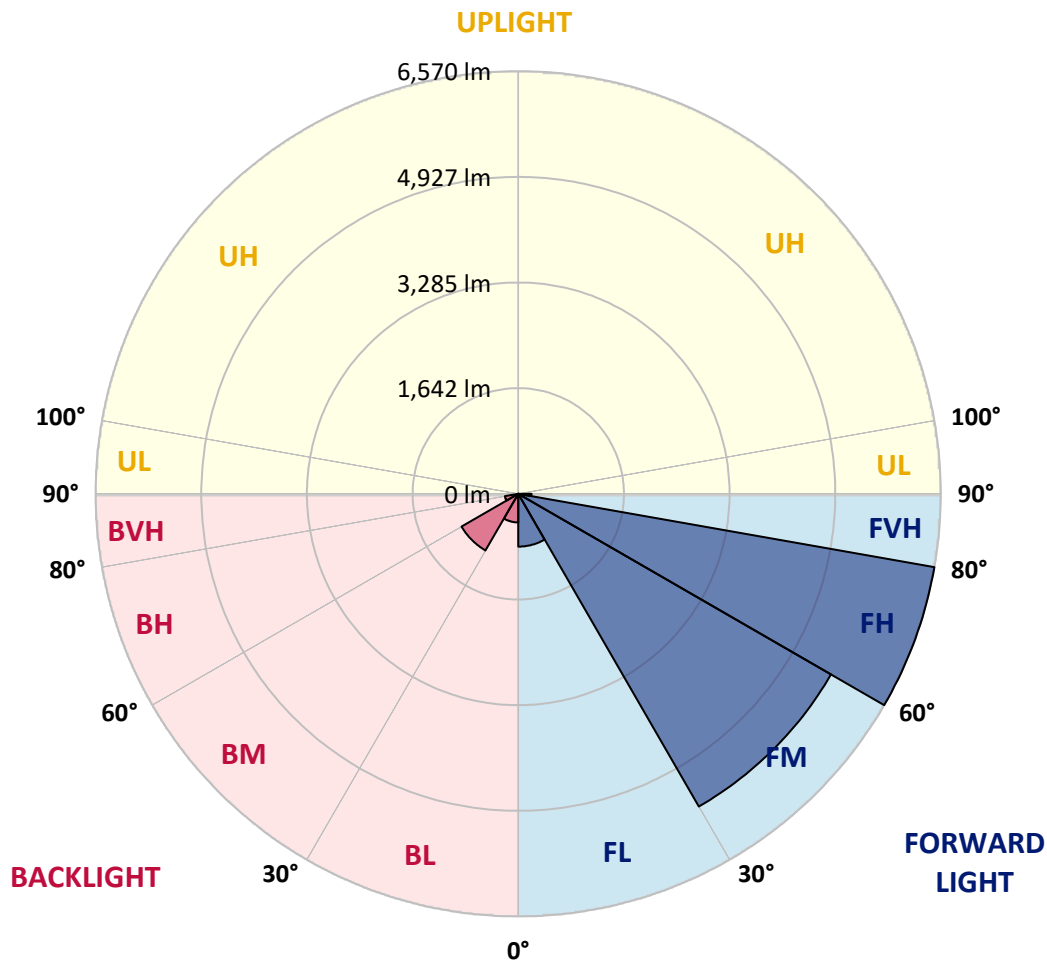
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.7	5.5			
FM (30°-60°)	5613.9	37.7			
FH (60°-80°)	6569.8	44.1			G3/7500
FVH (80°-90°)	207.2	1.4			G2/225
BL (0°-30°)	445.2	3.0	B1/500		
BM (30°-60°)	1017.2	6.8	B2/2500		
BH (60°-80°)	210.2	1.4	B1/500		G1/500
BVH (80°-90°)	2.9	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°	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6
2.5°	2061.6	2079.1	2082.4	2087.8	2087.8	2094.4	2105.3	2120.5	2145.6	2158.7
5°	1900.2	1913.3	1929.6	1942.7	1967.8	1971.1	2013.6	2055.1	2112.9	2156.5
7.5°	1737.7	1752.9	1774.8	1806.4	1839.1	1848.9	1913.3	1983.1	2074.7	2156.5
10°	1623.1	1624.2	1643.9	1675.5	1727.8	1739.8	1818.4	1917.6	2032.2	2143.4
12.5°	1558.8	1566.4	1575.1	1599.1	1649.3	1656.9	1740.9	1857.7	1989.6	2135.8
15°	1558.8	1564.2	1569.7	1581.7	1622.0	1628.6	1702.8	1819.5	1967.8	2139.1
17.5°	1575.1	1583.9	1579.5	1593.7	1636.2	1640.6	1706.0	1808.6	1966.7	2159.8
20°	1614.4	1620.9	1612.2	1620.9	1663.5	1672.2	1739.8	1829.3	1985.3	2195.8
22.5°	1676.6	1679.8	1659.1	1665.7	1709.3	1720.2	1798.7	1888.2	2030.0	2253.6
25°	1755.1	1761.7	1730.0	1737.7	1779.1	1792.2	1882.7	1976.6	2100.9	2333.2
27.5°	1845.7	1848.9	1821.7	1820.6	1874.0	1892.6	1984.2	2085.6	2195.8	2433.6
30°	1949.3	1959.1	1932.9	1928.6	1996.2	2011.5	2102.0	2219.8	2335.4	2584.1
32.5°	2031.1	2038.7	2023.5	2034.4	2103.1	2115.1	2244.9	2409.6	2554.7	2797.9
35°	2148.9	2153.3	2118.4	2138.0	2216.5	2247.1	2440.1	2675.8	2830.7	3066.3
37.5°	2575.4	2575.4	2427.1	2330.0	2405.2	2432.5	2707.4	3010.6	3171.0	3426.2
40°	3165.5	3155.7	2938.6	2740.1	2730.3	2783.8	3088.1	3432.8	3610.6	3858.2
42.5°	3794.9	3779.7	3484.1	3287.7	3255.0	3273.5	3527.7	3953.1	4134.2	4385.1
45°	4353.4	4349.1	4078.5	3814.6	3755.7	3814.6	4076.4	4561.8	4691.6	4955.6
47.5°	4821.4	4821.4	4624.0	4451.6	4421.1	4456.0	4819.2	5237.0	5225.0	5563.1
50°	5360.2	5355.9	5168.3	5094.1	5125.7	5174.8	5674.4	5948.2	5776.9	6159.8
52.5°	5737.7	5763.8	5699.5	5687.5	5848.9	5934.0	6542.7	6644.1	6271.1	6725.9
55°	6036.6	6067.1	6141.3	6225.3	6536.1	6647.4	7383.7	7304.1	6684.5	7216.8
57.5°	6459.8	6416.2	6530.7	6696.5	7199.4	7333.5	8198.5	7926.9	7017.2	7615.0
60°	6973.6	6980.1	6999.7	7209.2	7861.5	8033.8	9001.4	8516.0	7231.0	7859.3
62.5°	7591.0	7600.8	7641.1	7962.9	8750.5	8913.0	9856.6	8998.1	7329.2	7790.6
65°	7548.4	7589.9	8040.4	9141.0	10102.0	10262.4	10854.7	9336.3	7180.8	7162.3
67.5°	6876.5	6944.1	7697.9	10548.1	12139.6	12318.5	12061.1	9402.8	6540.5	5569.7
70°	5995.1	6019.1	6925.6	11813.5	14499.1	14680.1	13141.0	8670.9	4963.2	3106.6
72.5°	4681.8	4687.2	5750.8	12106.9	15779.7	15789.5	12293.4	6436.9	2669.2	1193.3
75°	3344.4	3311.7	3851.7	9818.4	13882.8	13994.0	9216.3	3019.4	1019.9	563.9
77.5°	1793.3	1829.3	2179.4	5822.8	9590.4	9780.2	5028.6	870.5	519.2	384.0
80°	554.1	584.7	893.4	2665.9	5432.2	5546.8	1864.2	387.2	362.1	273.8
82.5°	174.5	181.1	416.7	1120.3	2254.7	2307.1	540.0	219.3	247.6	181.1
85°	50.2	51.3	185.4	417.8	557.4	568.3	151.6	85.1	141.8	112.4
87.5°	5.5	17.5	69.8	69.8	49.1	48.0	16.4	18.5	40.4	14.2
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°
2157.6	0°	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6
2167.4	2.5°	2162.0	2163.1	2148.9	2124.9	2098.7	2076.9	2049.6	2027.8	2012.5	2008.2
2187.1	5°	2177.3	2169.6	2129.3	2056.2	1968.9	1893.6	1809.7	1743.1	1699.5	1680.9
2207.8	7.5°	2200.2	2178.4	2090.0	1946.0	1779.1	1630.8	1480.2	1363.5	1289.3	1252.3
2227.4	10°	2219.8	2176.2	2024.5	1786.7	1531.5	1306.8	1103.9	963.2	884.6	847.6
2250.3	12.5°	2238.3	2175.1	1939.5	1598.0	1252.3	977.4	788.7	718.8	697.0	689.4
2287.4	15°	2273.3	2178.4	1832.6	1382.1	974.1	738.5	669.8	668.7	673.0	670.8
2344.2	17.5°	2321.2	2181.6	1711.5	1153.0	751.6	651.2	647.9	657.8	664.3	661.0
2415.1	20°	2383.4	2194.7	1582.8	926.1	645.8	629.4	637.0	645.8	651.2	645.8
2510.0	22.5°	2470.7	2217.6	1442.1	743.9	611.9	616.3	622.9	632.7	638.1	630.5
2631.0	25°	2577.6	2253.6	1303.5	646.9	595.6	601.0	610.9	621.8	628.3	620.7
2783.8	27.5°	2716.1	2311.4	1175.9	625.0	579.2	582.5	596.7	613.0	621.8	611.9
3000.8	30°	2916.8	2406.3	1065.7	634.9	569.4	561.8	581.4	604.3	614.1	605.4
3296.4	32.5°	3183.0	2540.5	998.1	650.1	565.0	537.8	556.3	585.8	602.1	596.7
3682.6	35°	3532.0	2744.5	971.9	667.6	561.8	512.7	525.8	557.4	585.8	591.2
4169.1	37.5°	3955.3	3028.1	979.5	675.2	552.0	492.0	498.5	525.8	562.9	580.3
4716.7	40°	4436.3	3358.6	1023.2	667.6	541.0	474.5	475.6	496.3	529.0	555.2
5305.7	42.5°	4932.7	3744.8	1103.9	639.2	531.2	459.2	456.0	470.1	492.0	510.5
5893.7	45°	5405.0	4141.8	1183.5	599.9	519.2	444.0	436.3	441.8	446.1	453.8
6466.3	47.5°	5817.3	4421.1	1160.6	563.9	502.9	426.5	413.4	411.2	398.1	397.1
6977.9	50°	6102.0	4482.1	1030.8	528.0	478.9	406.9	386.1	373.1	350.2	339.2
7360.8	52.5°	6192.5	4241.1	842.1	492.0	439.6	380.7	351.2	330.5	302.2	292.3
7581.1	55°	6072.5	3768.8	673.0	448.3	385.1	345.8	313.1	285.8	262.9	250.9
7605.1	57.5°	5779.1	3167.7	532.3	397.1	327.2	306.5	273.8	246.5	226.9	214.9
7339.0	60°	5292.6	2515.4	421.1	336.0	279.2	264.0	230.2	212.7	195.3	181.1
6651.8	62.5°	4554.1	1795.5	330.5	266.2	233.4	216.0	196.3	183.3	162.5	142.9
5415.9	65°	3553.9	1098.4	255.2	195.3	187.6	178.9	166.9	154.9	129.8	110.2
3533.1	67.5°	2241.6	520.3	182.2	147.3	148.4	144.0	138.5	128.7	110.2	92.7
1582.8	70°	987.2	252.0	120.0	112.4	110.2	110.2	114.5	111.3	93.8	77.4
549.8	72.5°	336.0	135.3	89.4	85.1	79.6	78.5	96.0	92.7	75.3	60.0
273.8	75°	175.6	90.5	65.4	61.1	48.0	57.8	76.4	72.0	53.4	39.3
181.1	77.5°	114.5	64.4	44.7	39.3	27.3	38.2	56.7	50.2	31.6	19.6
118.9	80°	72.0	42.5	26.2	18.5	13.1	20.7	30.5	21.8	12.0	4.4
69.8	82.5°	38.2	21.8	9.8	6.5	5.5	6.5	7.6	5.5	2.2	0.0
36.0	85°	15.3	7.6	3.3	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.5	87.5°	5.5	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°
2157.6
2015.8
1687.5
1257.7
848.7
687.2
669.8
659.9
644.7
629.4
619.6
611.9
604.3
596.7
591.2
584.7
563.9
518.1
458.1
396.0
340.3
291.2
250.9
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