

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: P848035

Luminaire Tested: **GLAN-SB4B-930-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11118 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

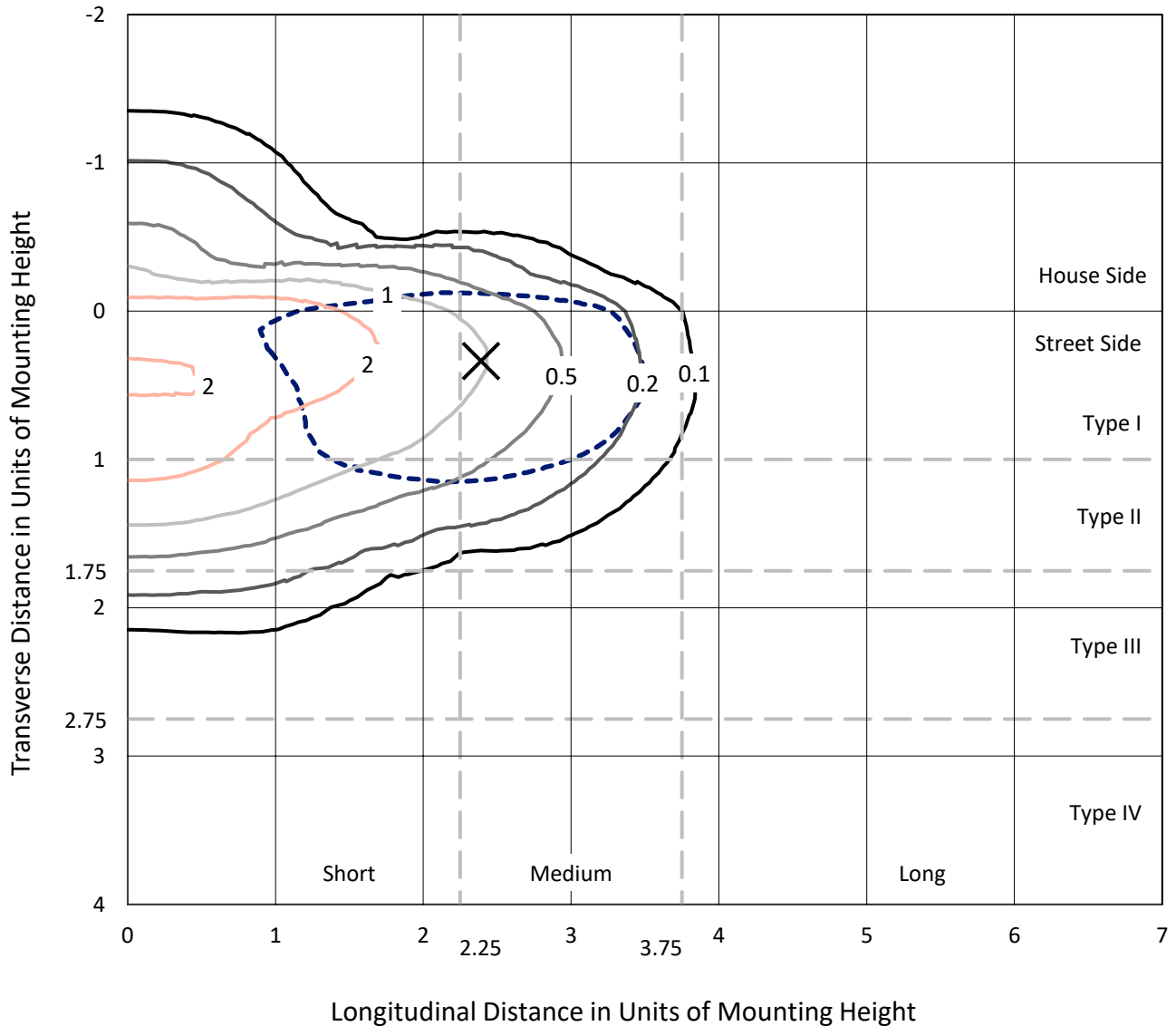
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

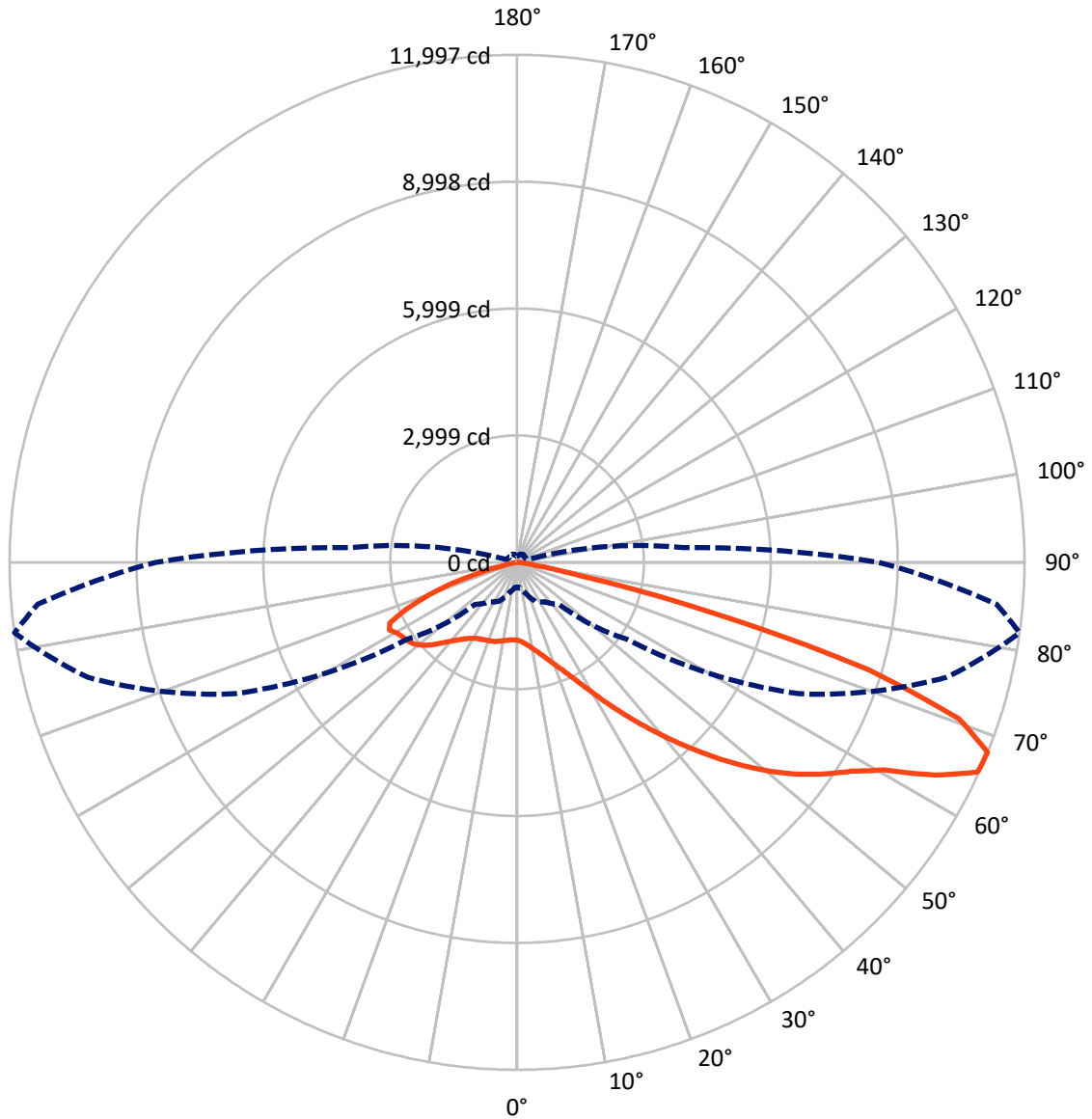
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2013.9	0.0	2013.9
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	9104.1	0.0	9104.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	11118.0	0.0	11118.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.1	1.5
10°-20°	426.4	3.8
20°-30°	683.0	6.1
30°-40°	1207.7	10.9
40°-50°	2116.1	19.0
50°-60°	2822.3	25.4
60°-70°	2627.4	23.6
70°-80°	1008.4	9.1
80°-90°	62.6	0.6
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°	11118.0	100.0
0°-180°	11118.0	100.0

**Coefficient of Utilization**

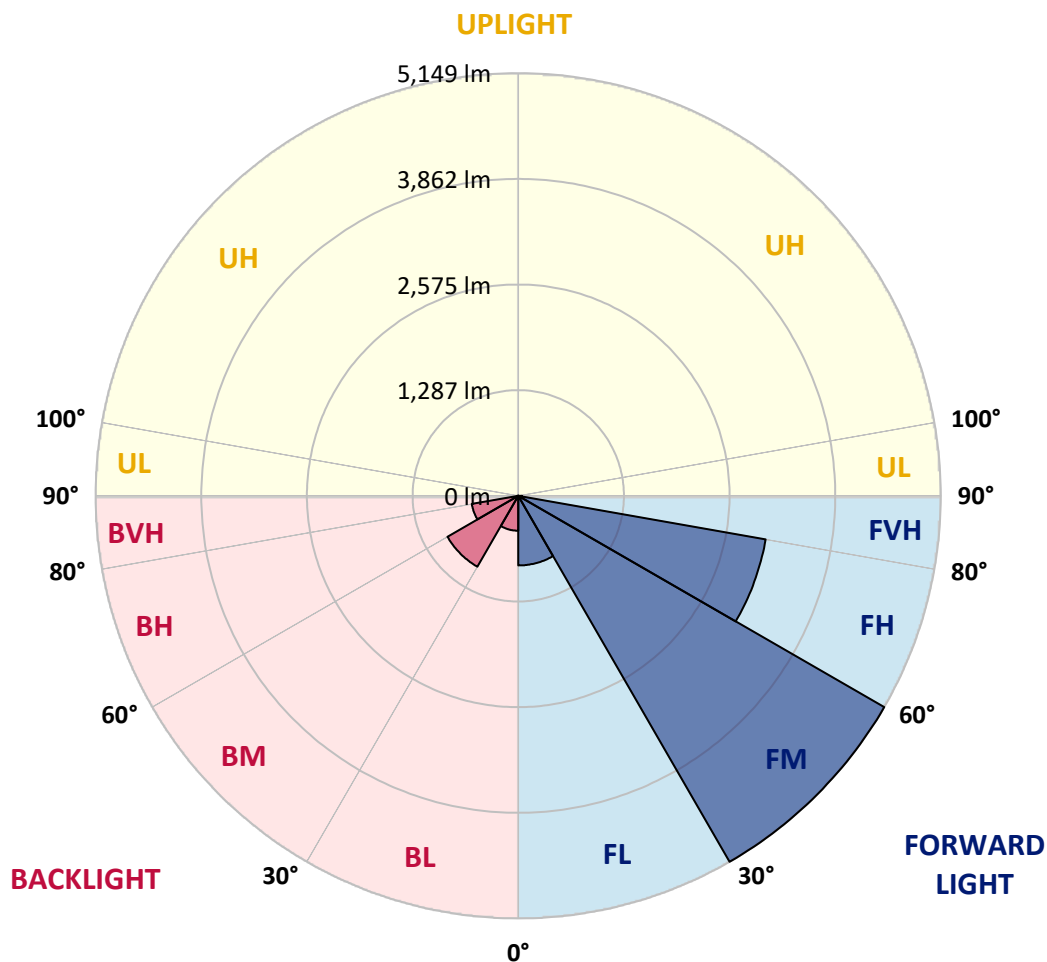


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	848.2	7.6			
FM (30°-60°)	5149.4	46.3			
FH (60°-80°)	3061.0	27.5			G2/5000
FVH (80°-90°)	45.5	0.4			G1/100
BL (0°-30°)	425.3	3.8	B1/500		
BM (30°-60°)	996.7	9.0	B1/1000		
BH (60°-80°)	574.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	17.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9
2.5°	1946.7	1957.9	1951.5	1948.3	1942.7	1934.7	1928.3	1908.3	1887.5	1873.9
5°	1986.0	1997.2	1996.4	1999.6	2003.6	2006.0	2004.4	1982.0	1952.3	1929.1
7.5°	1952.3	1965.1	1975.6	1991.6	2019.6	2049.2	2063.6	2058.8	2028.4	1996.4
10°	1857.1	1870.7	1895.5	1933.1	1992.4	2056.4	2110.0	2134.8	2115.6	2080.4
12.5°	1682.6	1696.2	1745.0	1826.7	1925.9	2037.2	2139.7	2206.1	2210.9	2175.7
15°	1486.5	1500.1	1552.1	1654.6	1805.9	1984.4	2155.7	2281.3	2323.8	2293.3
17.5°	1364.8	1376.8	1416.0	1498.5	1656.2	1878.7	2150.1	2361.4	2458.2	2434.2
20°	1328.0	1338.4	1356.8	1414.4	1545.7	1769.0	2113.2	2436.6	2603.1	2589.5
22.5°	1367.2	1376.8	1382.4	1408.0	1490.5	1697.0	2066.8	2513.5	2771.2	2772.8
25°	1457.7	1467.3	1460.9	1476.9	1512.9	1674.6	2049.2	2603.9	2982.5	3000.2
27.5°	1606.5	1607.3	1592.1	1591.3	1596.9	1708.2	2067.6	2700.8	3249.1	3281.9
30°	1905.1	1893.1	1834.7	1771.4	1742.6	1809.1	2118.8	2815.2	3563.7	3622.1
32.5°	2365.4	2347.8	2240.5	2089.2	1937.1	1971.6	2210.9	2945.7	3906.3	4011.9
35°	2864.9	2860.1	2748.0	2523.1	2257.3	2202.9	2360.6	3117.0	4280.1	4448.2
37.5°	3329.1	3326.7	3262.7	2997.8	2674.4	2525.5	2600.7	3341.2	4680.3	4923.7
40°	3753.4	3760.6	3696.6	3459.6	3133.8	2939.3	2927.3	3618.1	5125.4	5441.6
42.5°	4120.0	4128.0	4063.2	3887.9	3587.7	3397.2	3328.3	3957.5	5560.0	5997.9
45°	4369.0	4418.6	4409.0	4268.9	4053.6	3855.9	3810.2	4383.4	6055.5	6587.8
47.5°	4439.4	4485.0	4557.1	4576.3	4445.0	4250.5	4304.9	4896.5	6556.6	7178.6
50°	4265.7	4308.1	4457.8	4657.1	4748.4	4688.3	4786.0	5446.4	7069.7	7767.7
52.5°	3923.1	3966.3	4155.2	4470.6	4842.8	5031.7	5268.7	5988.3	7566.8	8325.7
55°	3427.6	3473.2	3715.8	4072.8	4662.7	5173.4	5671.3	6529.4	8022.3	8827.6
57.5°	2753.6	2787.2	3039.4	3538.9	4209.7	5032.5	5968.3	7120.2	8451.3	9320.6
60°	1794.6	1824.3	2117.2	2674.4	3458.8	4561.9	6027.5	7778.9	9021.3	9961.8
62.5°	1193.5	1213.5	1387.2	1796.2	2435.8	3658.1	5680.9	8304.9	9857.0	11077.7
65°	818.9	838.9	1012.6	1297.6	1573.7	2419.8	4684.3	8235.2	10614.2	11963.8
67.5°	584.3	601.2	748.4	1017.4	1139.1	1405.6	3175.5	7345.1	10505.3	11997.4
70°	418.6	428.3	549.9	792.5	905.3	844.5	1765.8	5617.7	9198.2	11078.5
72.5°	293.0	296.2	381.8	603.6	729.2	616.4	840.5	3745.4	6956.9	8695.5
75°	198.5	202.5	257.0	442.7	585.1	470.7	445.1	2008.4	4084.0	4813.2
77.5°	121.7	123.3	165.7	302.6	437.9	358.6	286.6	850.9	1580.1	1551.3
80°	68.8	68.8	105.7	188.1	298.6	231.3	200.9	361.8	500.3	439.5
82.5°	38.4	39.2	76.8	116.9	197.7	136.9	110.5	167.3	216.1	191.3
85°	16.0	17.6	47.2	55.2	94.5	68.0	44.8	70.4	80.0	71.2
87.5°	1.6	2.4	14.4	10.4	11.2	13.6	6.4	13.6	11.2	11.2
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°
1841.9	0°	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9	1841.9
1869.1	2.5°	1853.9	1841.9	1811.5	1776.2	1729.8	1707.4	1677.0	1656.2	1638.6	1640.2
1915.5	5°	1889.9	1859.5	1791.4	1706.6	1600.9	1525.7	1445.6	1390.4	1345.6	1336.0
1979.6	7.5°	1939.5	1891.5	1772.2	1619.3	1440.8	1305.6	1184.7	1107.0	1051.8	1034.2
2057.2	10°	2003.6	1933.9	1747.4	1509.7	1252.7	1080.6	951.0	890.1	852.5	839.7
2148.5	12.5°	2078.0	1982.8	1714.6	1376.0	1059.0	893.3	810.9	780.5	768.4	764.4
2260.5	15°	2171.7	2043.6	1665.0	1217.5	894.9	778.9	743.6	739.6	741.2	739.6
2395.0	17.5°	2282.9	2110.0	1584.1	1054.2	784.5	720.4	707.6	710.8	714.8	714.0
2545.5	20°	2404.6	2175.7	1480.9	909.3	709.2	678.8	671.6	674.8	678.0	676.4
2719.2	22.5°	2543.1	2246.1	1366.4	796.5	658.8	640.4	632.4	633.2	633.2	630.0
2939.3	25°	2708.8	2323.8	1246.3	716.4	620.4	606.0	596.3	593.1	588.3	578.7
3206.7	27.5°	2906.5	2406.2	1131.1	660.4	589.9	576.3	565.1	557.1	545.1	529.1
3527.7	30°	3129.0	2506.3	1033.4	625.2	565.9	552.3	539.5	527.5	509.9	489.9
3896.7	32.5°	3390.8	2613.5	962.2	602.0	544.3	529.9	514.7	500.3	481.1	461.1
4311.3	35°	3703.0	2743.2	920.5	585.9	527.5	508.3	491.5	475.5	461.1	443.5
4762.0	37.5°	4041.6	2880.9	907.7	577.9	516.3	486.7	467.5	456.3	454.7	444.3
5249.5	40°	4412.2	3044.2	917.3	573.1	504.3	465.9	445.1	442.7	446.7	428.3
5770.6	42.5°	4804.4	3237.9	933.3	567.5	487.5	445.1	425.0	425.0	421.8	396.2
6321.3	45°	5228.7	3461.2	949.4	553.9	467.5	424.2	409.0	403.4	389.8	365.0
6875.2	47.5°	5656.1	3688.6	961.4	529.1	443.5	406.6	393.0	380.2	360.2	337.8
7418.7	50°	6061.9	3892.7	948.6	492.3	416.2	389.8	375.4	357.8	336.2	321.0
7933.4	52.5°	6424.6	4069.6	894.1	449.1	387.4	372.2	359.4	341.0	323.4	307.4
8397.7	55°	6739.9	4212.9	798.1	408.2	361.8	357.0	344.2	321.0	297.0	283.4
8858.0	57.5°	7042.5	4321.7	678.0	374.6	338.6	340.2	321.0	300.2	277.8	263.4
9478.3	60°	7445.2	4467.4	556.3	343.4	313.8	318.6	297.8	282.6	254.5	236.1
10542.2	62.5°	8088.7	4693.9	441.9	305.0	285.0	286.6	277.8	259.4	225.7	204.1
11330.6	65°	8599.4	4610.7	348.2	263.4	252.1	254.5	254.5	234.5	198.5	173.7
11373.0	67.5°	8541.8	3947.9	277.8	222.5	220.9	222.5	228.1	211.3	176.1	156.1
10506.9	70°	7868.6	3140.2	222.5	184.9	192.1	188.1	204.1	192.9	158.5	138.5
8145.6	72.5°	6420.6	2262.1	169.7	152.9	147.3	153.7	184.1	173.7	132.1	109.7
4314.5	75°	3751.8	1207.1	126.5	120.9	106.5	128.1	163.3	148.1	100.9	80.8
1322.4	77.5°	1221.5	421.0	92.9	88.9	79.2	103.3	139.3	124.9	82.4	64.0
387.4	80°	327.4	127.3	63.2	58.4	51.2	76.8	110.5	99.3	59.2	41.6
166.5	82.5°	131.3	53.6	36.8	32.8	28.0	52.8	87.3	80.0	44.0	26.4
52.0	85°	42.4	17.6	13.6	10.4	12.8	32.8	52.0	54.4	31.2	13.6
8.0	87.5°	5.6	2.4	2.4	3.2	2.4	5.6	16.0	15.2	8.8	1.6
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°
1841.9
1624.1
1314.4
1016.6
830.1
762.0
738.8
712.4
675.6
628.4
577.1
527.5
488.3
461.9
441.9
443.5
429.1
396.2
364.2
337.0
318.6
305.8
281.8
261.8
233.7
202.5
171.3
152.9
136.1
107.3
78.4
61.6
40.8
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