

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: P846915

Luminaire Tested: **GLAN-SB2D-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846915  
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-SB2D-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 900mA 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: 14583 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

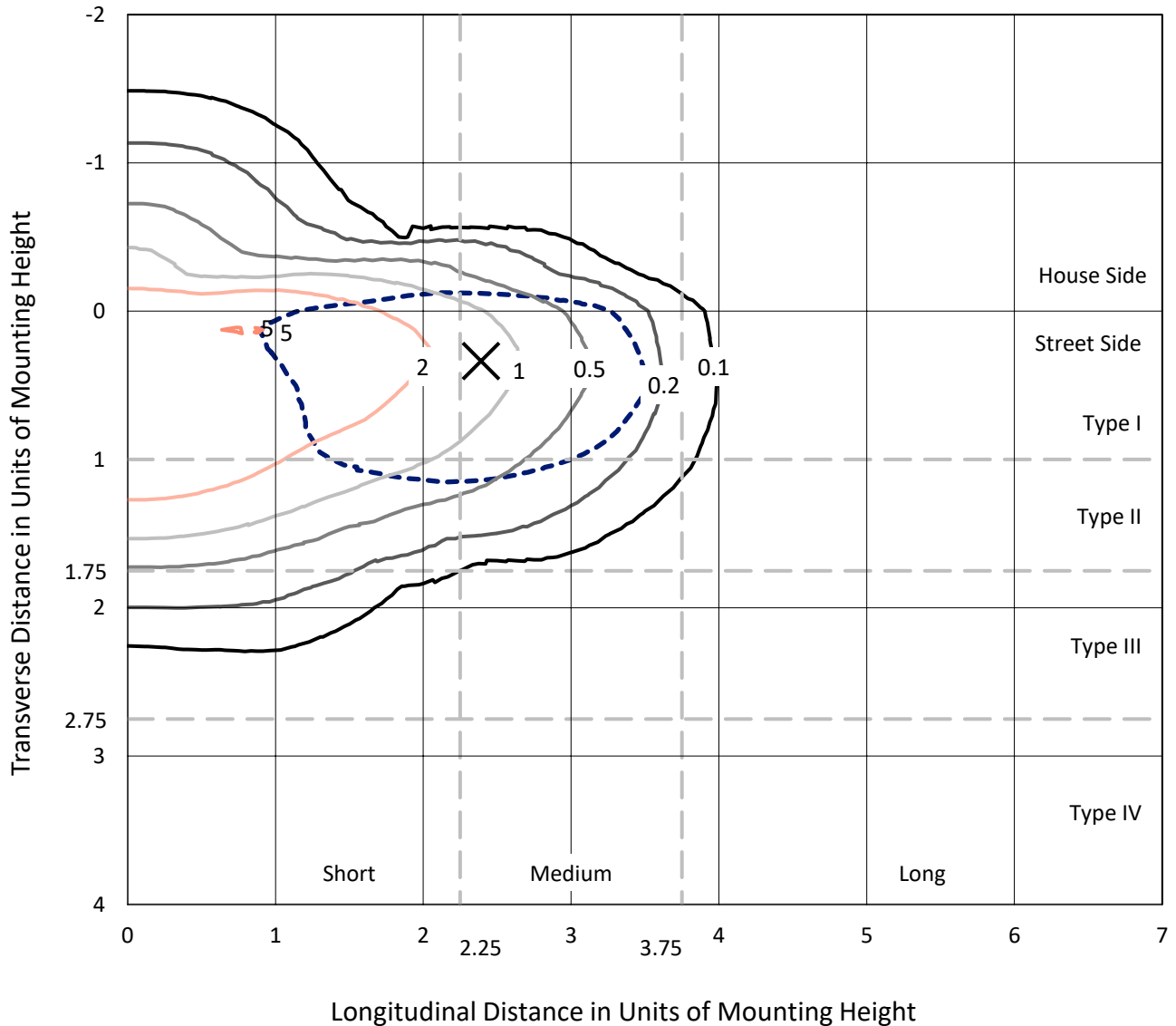
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

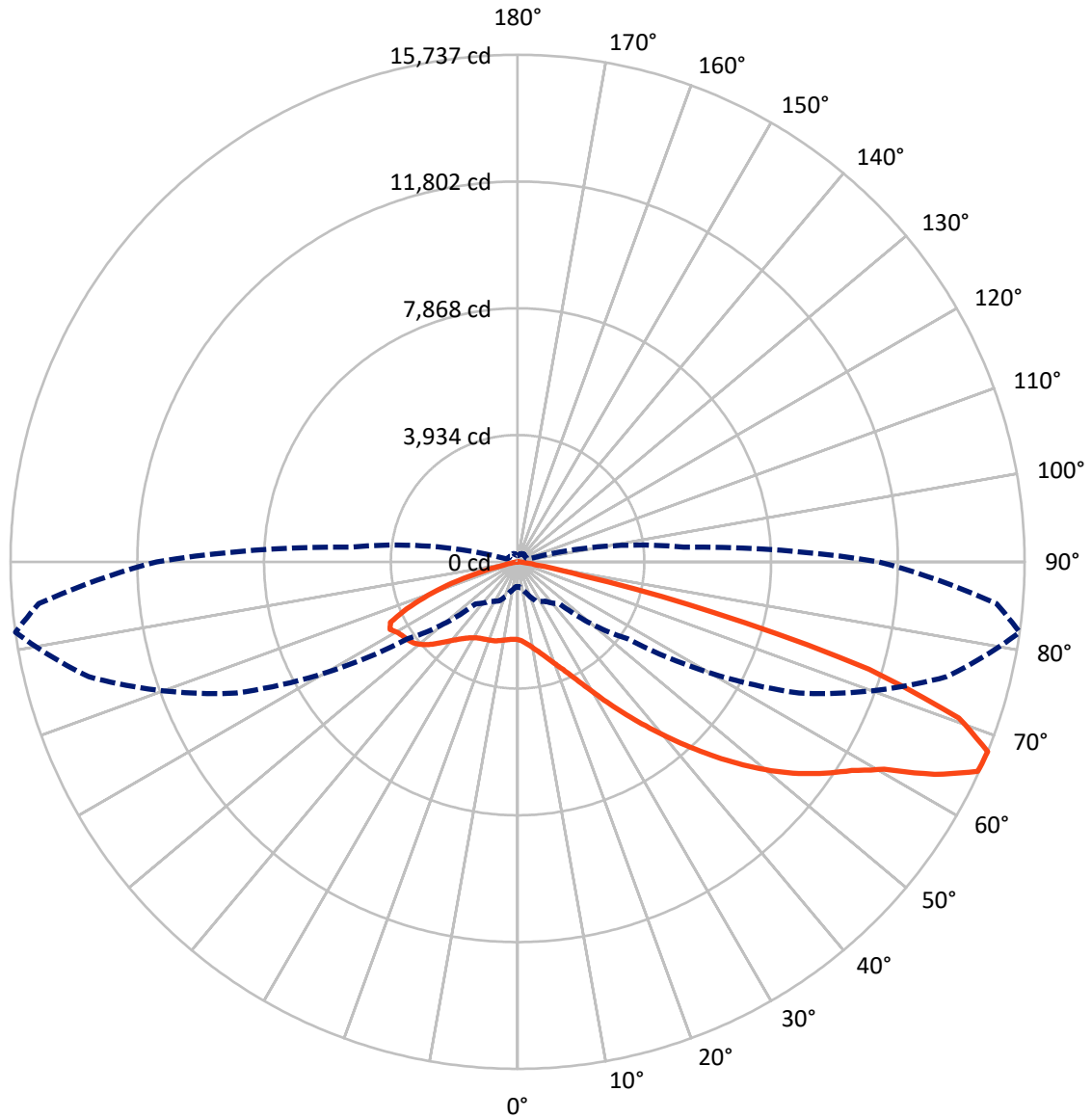
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2641.6	0.0	2641.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	11941.4	0.0	11941.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	14583.0	0.0	14583.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.2	1.5
10°-20°	559.3	3.8
20°-30°	895.9	6.1
30°-40°	1584.1	10.9
40°-50°	2775.6	19.0
50°-60°	3701.8	25.4
60°-70°	3446.2	23.6
70°-80°	1322.7	9.1
80°-90°	82.1	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°	14583.0	100.0
0°-180°	14583.0	100.0

**Coefficient of Utilization**

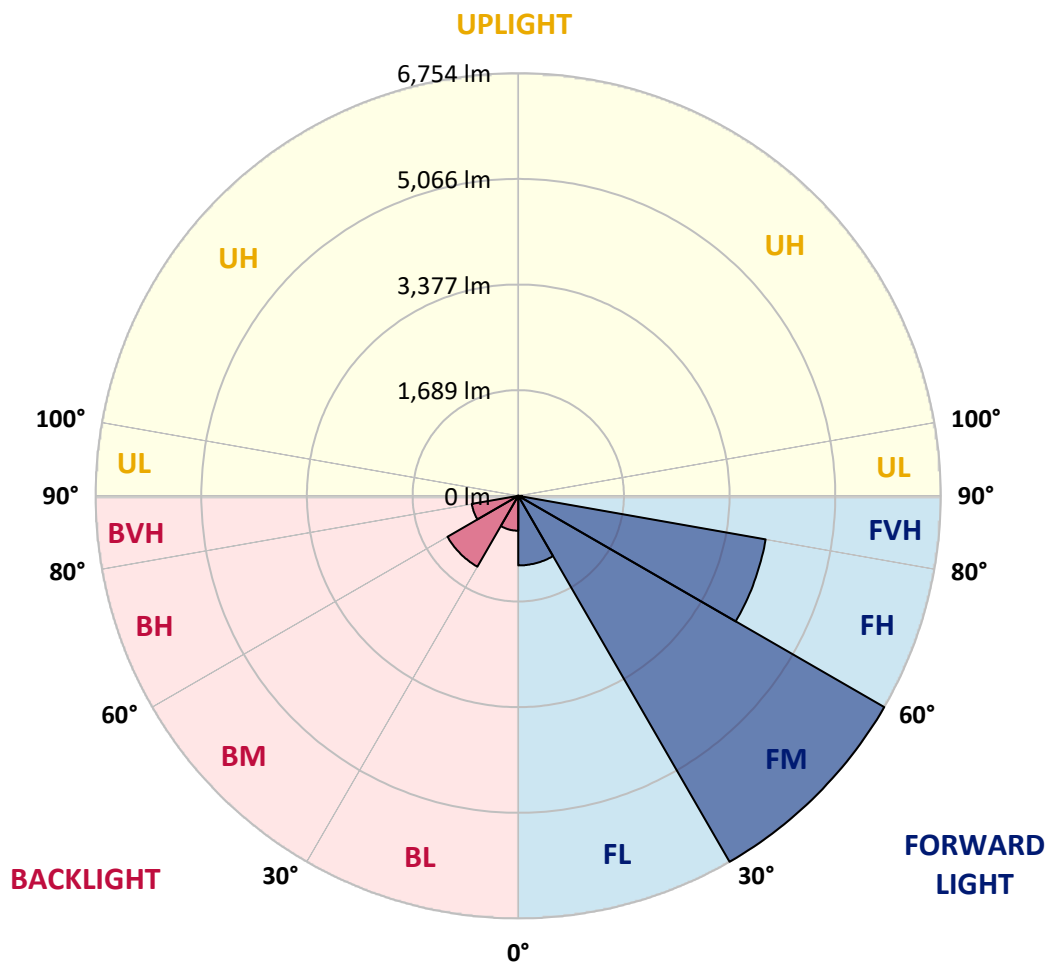


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1112.5	7.6			
FM (30°-60°)	6754.2	46.3			
FH (60°-80°)	4014.9	27.5			G2/5000
FVH (80°-90°)	59.7	0.4			G1/100
BL (0°-30°)	557.9	3.8	B2/1000		
BM (30°-60°)	1307.3	9.0	B2/2500		
BH (60°-80°)	753.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	22.4	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°	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9
2.5°	2553.5	2568.2	2559.8	2555.6	2548.2	2537.7	2529.3	2503.1	2475.8	2457.9
5°	2604.9	2619.6	2618.5	2622.7	2628.0	2631.1	2629.0	2599.6	2560.8	2530.4
7.5°	2560.8	2577.6	2591.2	2612.2	2649.0	2687.8	2706.7	2700.4	2660.5	2618.5
10°	2435.9	2453.7	2486.3	2535.6	2613.3	2697.3	2767.6	2800.2	2775.0	2728.8
12.5°	2207.0	2224.8	2288.9	2396.0	2526.2	2672.1	2806.5	2893.6	2899.9	2853.7
15°	1949.7	1967.6	2035.8	2170.2	2368.7	2602.8	2827.5	2992.3	3048.0	3008.1
17.5°	1790.1	1805.9	1857.3	1965.5	2172.3	2464.2	2820.1	3097.3	3224.4	3192.9
20°	1741.8	1755.5	1779.6	1855.2	2027.4	2320.4	2771.8	3196.0	3414.4	3396.6
22.5°	1793.3	1805.9	1813.2	1846.8	1955.0	2225.9	2710.9	3296.8	3634.9	3637.0
25°	1911.9	1924.5	1916.1	1937.1	1984.4	2196.5	2687.8	3415.5	3912.1	3935.2
27.5°	2107.2	2108.3	2088.3	2087.3	2094.6	2240.6	2712.0	3542.5	4261.7	4304.7
30°	2498.9	2483.1	2406.5	2323.5	2285.7	2372.9	2779.2	3692.6	4674.3	4751.0
32.5°	3102.6	3079.5	2938.8	2740.3	2540.9	2586.0	2899.9	3863.8	5123.7	5262.3
35°	3757.7	3751.4	3604.4	3309.4	2960.8	2889.4	3096.3	4088.5	5614.0	5834.5
37.5°	4366.7	4363.5	4279.6	3932.0	3507.8	3312.6	3411.3	4382.4	6139.0	6458.2
40°	4923.2	4932.6	4848.6	4537.8	4110.5	3855.4	3839.6	4745.7	6722.8	7137.5
42.5°	5404.0	5414.5	5329.5	5099.6	4705.8	4455.9	4365.6	5190.9	7292.9	7867.2
45°	5730.6	5795.7	5783.1	5599.3	5316.9	5057.6	4997.7	5749.5	7942.8	8641.0
47.5°	5823.0	5882.8	5977.3	6002.5	5830.3	5575.2	5646.6	6422.5	8600.1	9415.9
50°	5595.1	5650.8	5847.1	6108.5	6228.2	6149.5	6277.6	7143.8	9273.1	10188.6
52.5°	5145.8	5202.4	5450.2	5863.9	6352.1	6599.9	6910.7	7854.6	9925.1	10920.4
55°	4495.8	4555.7	4873.8	5342.1	6115.9	6785.8	7438.8	8564.4	10522.5	11578.7
57.5°	3611.8	3655.9	3986.6	4641.8	5521.6	6601.0	7828.3	9339.2	11085.3	12225.5
60°	2354.0	2392.8	2777.1	3507.8	4536.8	5983.6	7906.0	10203.3	11832.8	13066.5
62.5°	1565.5	1591.7	1819.5	2356.1	3195.0	4798.2	7451.4	10893.1	12928.9	14530.1
65°	1074.1	1100.3	1328.2	1702.0	2064.2	3174.0	6144.2	10801.8	13922.2	15692.4
67.5°	766.5	788.5	981.7	1334.5	1494.1	1843.7	4165.1	9634.2	13779.4	15736.5
70°	549.1	561.7	721.3	1039.4	1187.5	1107.7	2316.2	7368.5	12064.8	14531.2
72.5°	384.3	388.5	500.8	791.7	956.5	808.5	1102.4	4912.7	9125.0	11405.5
75°	260.4	265.6	337.0	580.6	767.5	617.4	583.8	2634.3	5356.8	6313.3
77.5°	159.6	161.7	217.3	396.9	574.3	470.4	375.9	1116.1	2072.6	2034.8
80°	90.3	90.3	138.6	246.7	391.6	303.4	263.5	474.6	656.2	576.4
82.5°	50.4	51.4	100.8	153.3	259.3	179.5	144.9	219.4	283.5	250.9
85°	21.0	23.1	61.9	72.4	123.9	89.2	58.8	92.4	105.0	93.4
87.5°	2.1	3.1	18.9	13.6	14.7	17.8	8.4	17.8	14.7	14.7
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°
2415.9	0°	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9	2415.9
2451.6	2.5°	2431.7	2415.9	2376.0	2329.8	2268.9	2239.5	2199.6	2172.3	2149.2	2151.3
2512.5	5°	2478.9	2439.0	2349.8	2238.5	2099.9	2001.2	1896.2	1823.7	1764.9	1752.3
2596.5	7.5°	2544.0	2481.0	2324.6	2124.0	1889.9	1712.5	1553.9	1452.1	1379.6	1356.5
2698.3	10°	2628.0	2536.7	2292.0	1980.2	1643.2	1417.4	1247.3	1167.5	1118.2	1101.4
2818.0	12.5°	2725.6	2600.7	2249.0	1804.8	1389.1	1171.7	1063.6	1023.7	1007.9	1002.7
2965.0	15°	2848.5	2680.5	2183.9	1597.0	1173.8	1021.6	975.4	970.1	972.2	970.1
3141.4	17.5°	2994.4	2767.6	2077.8	1382.8	1028.9	944.9	928.1	932.3	937.6	936.5
3338.8	20°	3154.0	2853.7	1942.4	1192.7	930.2	890.3	880.9	885.1	889.3	887.2
3566.6	22.5°	3335.7	2946.1	1792.2	1044.7	864.1	840.0	829.5	830.5	830.5	826.3
3855.4	25°	3553.0	3048.0	1634.8	939.7	813.7	794.8	782.2	778.0	771.7	759.1
4206.1	27.5°	3812.3	3156.1	1483.6	866.2	773.8	756.0	741.3	730.8	715.0	694.0
4627.1	30°	4104.2	3287.4	1355.5	820.0	742.3	724.5	707.7	691.9	668.8	642.6
5111.1	32.5°	4447.5	3428.1	1262.0	789.6	714.0	695.1	675.1	656.2	631.0	604.8
5655.0	35°	4857.0	3598.1	1207.4	768.6	691.9	666.7	644.7	623.7	604.8	581.7
6246.1	37.5°	5301.1	3778.7	1190.6	758.1	677.2	638.4	613.2	598.5	596.4	582.7
6885.5	40°	5787.3	3992.9	1203.2	751.8	661.5	611.1	583.8	580.6	585.9	561.7
7569.0	42.5°	6301.7	4247.0	1224.2	744.4	639.4	583.8	557.5	557.5	553.3	519.7
8291.4	45°	6858.2	4539.9	1245.2	726.6	613.2	556.5	536.5	529.2	511.3	478.8
9017.9	47.5°	7418.9	4838.1	1261.0	694.0	581.7	533.4	515.5	498.7	472.5	443.1
9730.8	50°	7951.2	5105.9	1244.2	645.7	546.0	511.3	492.4	469.3	441.0	421.0
10405.9	52.5°	8426.8	5337.9	1172.8	589.0	508.2	488.2	471.4	447.3	424.2	403.2
11014.9	55°	8840.5	5525.8	1046.8	535.5	474.6	468.3	451.5	421.0	389.5	371.7
11618.6	57.5°	9237.4	5668.6	889.3	491.4	444.1	446.2	421.0	393.7	364.3	345.4
12432.3	60°	9765.5	5859.7	729.7	450.4	411.6	417.9	390.6	370.6	333.9	309.7
13827.7	62.5°	10609.6	6156.8	579.6	400.0	373.8	375.9	364.3	340.2	296.1	267.7
14861.9	65°	11279.5	6047.6	456.7	345.4	330.7	333.9	333.9	307.6	260.4	227.8
14917.5	67.5°	11203.9	5178.3	364.3	291.9	289.8	291.9	299.2	277.2	231.0	204.7
13781.5	70°	10320.9	4118.9	291.9	242.5	252.0	246.7	267.7	253.0	207.9	181.6
10684.2	72.5°	8421.6	2967.1	222.6	200.5	193.2	201.6	241.5	227.8	173.2	143.8
5659.2	75°	4921.1	1583.3	165.9	158.5	139.6	168.0	214.2	194.2	132.3	106.0
1734.5	77.5°	1602.2	552.3	121.8	116.5	103.9	135.4	182.7	163.8	108.1	84.0
508.2	80°	429.4	166.9	82.9	76.6	67.2	100.8	144.9	130.2	77.7	54.6
218.4	82.5°	172.2	70.3	48.3	43.0	36.7	69.3	114.4	105.0	57.7	34.6
68.2	85°	55.6	23.1	17.8	13.6	16.8	43.0	68.2	71.4	40.9	17.8
10.5	87.5°	7.3	3.1	3.1	4.2	3.1	7.3	21.0	19.9	11.5	2.1
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°
2415.9
2130.3
1724.0
1333.4
1088.8
999.5
969.1
934.4
886.1
824.2
757.0
691.9
640.5
605.8
579.6
581.7
562.8
519.7
477.7
442.0
417.9
401.1
369.6
343.3
306.6
265.6
224.7
200.5
178.5
140.7
102.9
80.8
53.5
34.6
13.6
0.0
0.0

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