

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: P853204

Luminaire Tested: **GLAN-SB9C-722-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853204  
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-SB9C-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 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: 40387 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

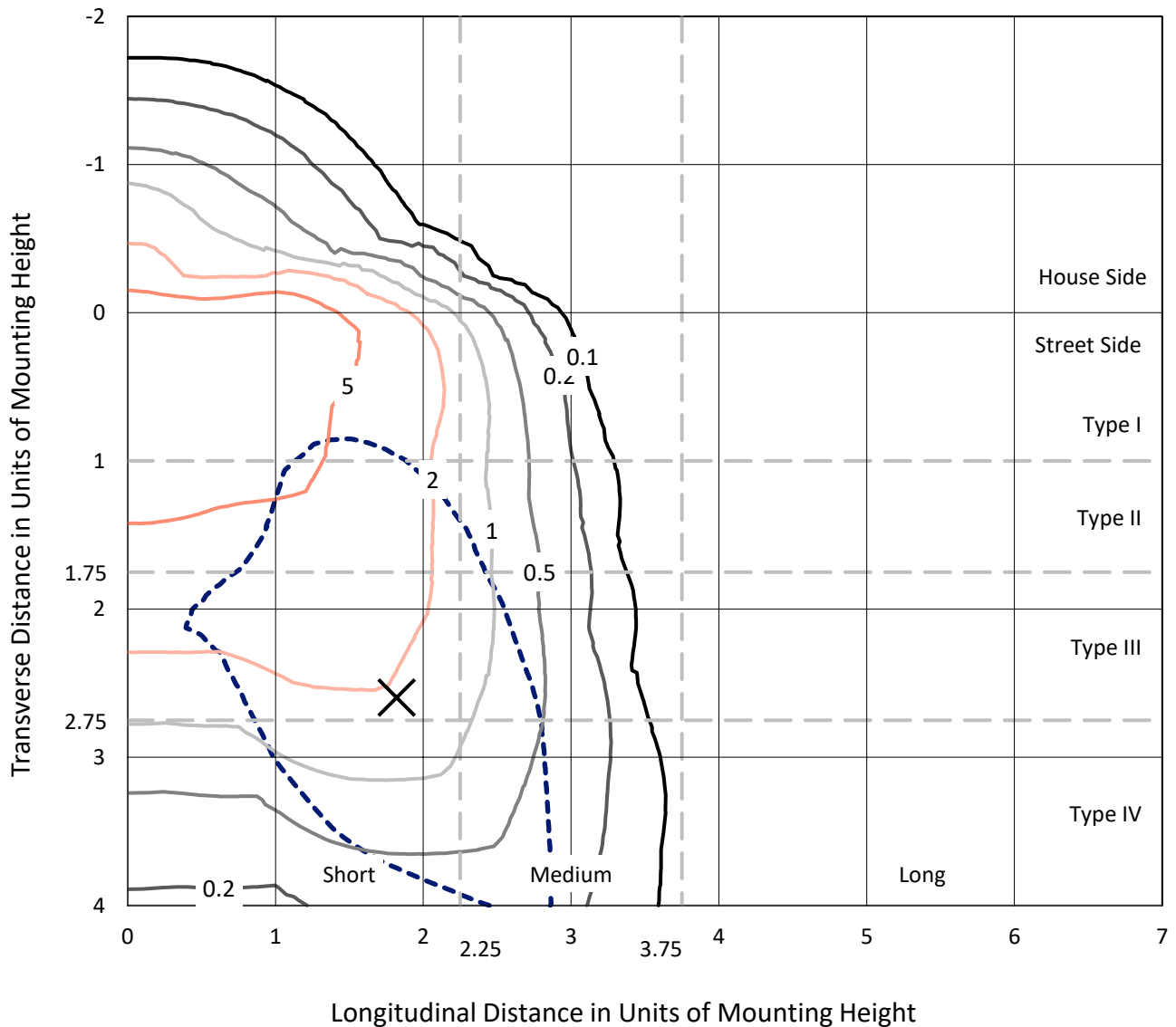
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

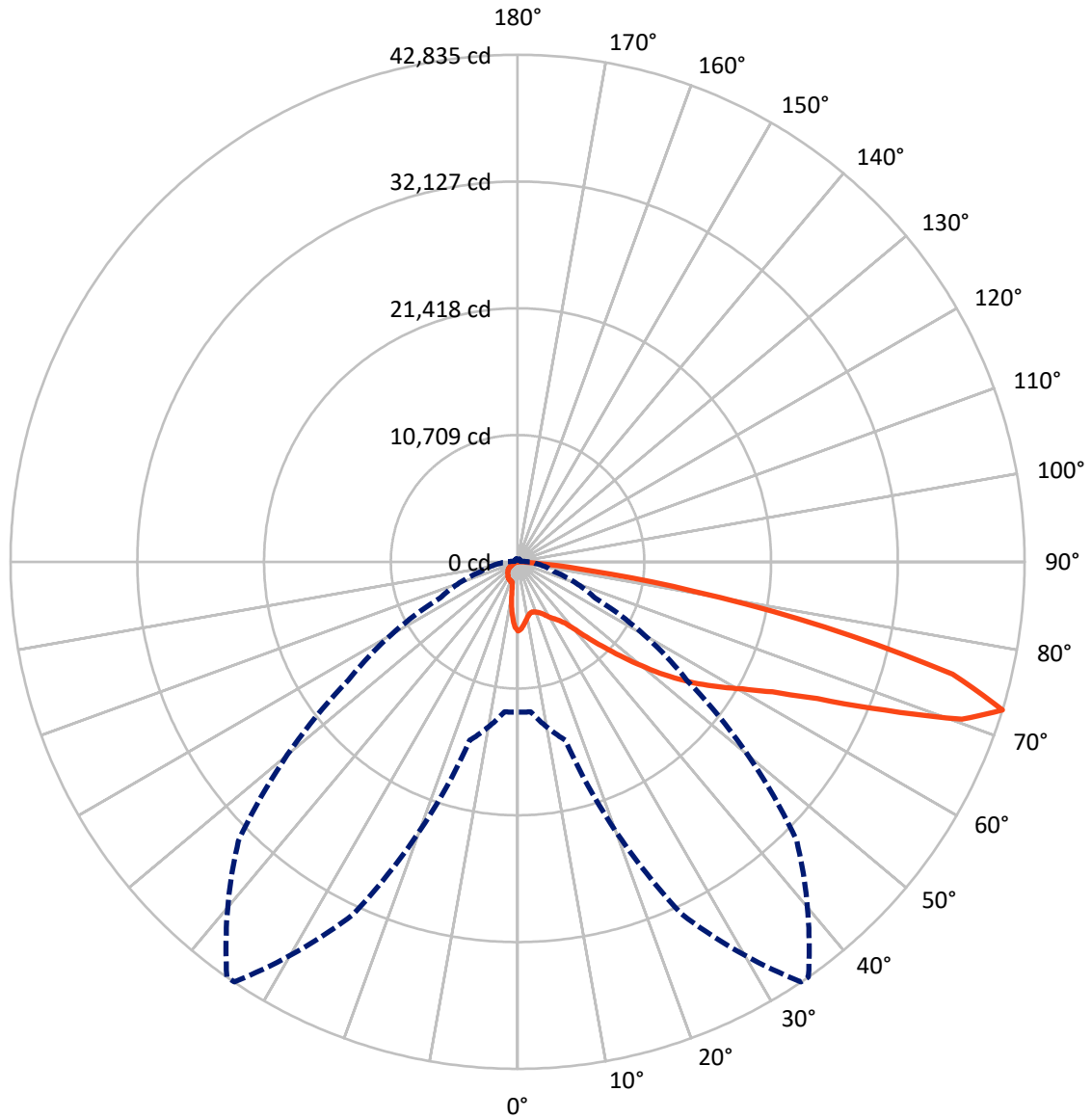
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	4545.4	0.0	4545.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	35841.6	0.0	35841.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	40387.0	0.0	40387.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.0	1.2
10°-20°	1125.2	2.8
20°-30°	1827.9	4.5
30°-40°	3049.8	7.6
40°-50°	5770.4	14.3
50°-60°	9169.1	22.7
60°-70°	11342.9	28.1
70°-80°	7050.8	17.5
80°-90°	569.8	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°	40387.0	100.0
0°-180°	40387.0	100.0

**Coefficient of Utilization**



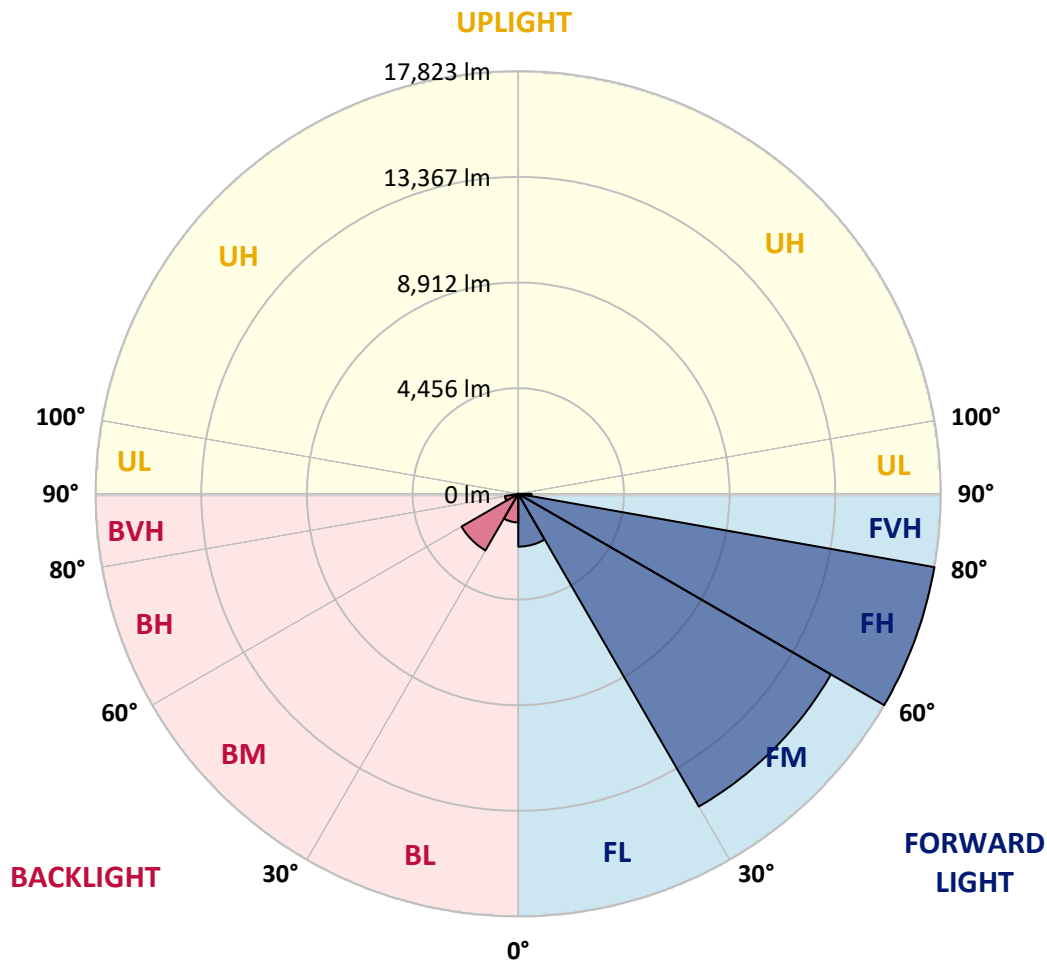
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2226.3	5.5			
FM	(30°-60°)	15229.9	37.7			
FH	(60°-80°)	17823.3	44.1			G5
FVH	(80°-90°)	562.1	1.4			G4/750
BL	(0°-30°)	1207.8	3.0	B3/2500		
BM	(30°-60°)	2759.4	6.8	B3/5000		
BH	(60°-80°)	570.4	1.4	B2/1000		G2/1000
BVH	(80°-90°)	7.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4
2.5°	5593.0	5640.4	5649.2	5664.0	5664.0	5681.8	5711.4	5752.8	5820.9	5856.4
5°	5155.0	5190.6	5234.9	5270.5	5338.5	5347.4	5462.8	5575.3	5732.1	5850.5
7.5°	4714.1	4755.5	4814.7	4900.5	4989.3	5016.0	5190.6	5379.9	5628.5	5850.5
10°	4403.4	4406.3	4459.6	4545.4	4687.5	4720.0	4933.1	5202.4	5513.1	5815.0
12.5°	4228.8	4249.5	4273.2	4338.3	4474.4	4495.1	4723.0	5039.6	5397.7	5794.2
15°	4228.8	4243.6	4258.4	4290.9	4400.4	4418.2	4619.4	4936.1	5338.5	5803.1
17.5°	4273.2	4296.9	4285.0	4323.5	4438.9	4450.7	4628.3	4906.5	5335.6	5859.3
20°	4379.7	4397.5	4373.8	4397.5	4512.9	4536.6	4720.0	4962.7	5385.9	5957.0
22.5°	4548.4	4557.3	4501.0	4518.8	4637.2	4666.8	4879.8	5122.5	5507.2	6113.8
25°	4761.5	4779.2	4693.4	4714.1	4826.6	4862.1	5107.7	5362.2	5699.5	6329.9
27.5°	5007.1	5016.0	4942.0	4939.0	5084.0	5134.3	5382.9	5658.1	5957.0	6602.1
30°	5288.2	5314.8	5243.8	5232.0	5415.5	5456.9	5702.5	6022.1	6335.8	7010.5
32.5°	5510.2	5530.9	5489.4	5519.0	5705.5	5738.0	6090.2	6537.0	6930.6	7590.5
35°	5829.8	5841.6	5746.9	5800.2	6013.2	6096.1	6619.9	7259.1	7679.3	8318.5
37.5°	6986.8	6986.8	6584.4	6321.0	6525.2	6599.2	7344.9	8167.6	8602.6	9295.1
40°	8587.8	8561.2	7972.3	7433.7	7407.0	7552.0	8377.7	9312.8	9795.2	10466.9
42.5°	10295.3	10253.9	9451.9	8919.2	8830.5	8880.8	9570.3	10724.4	11215.6	11896.3
45°	11810.4	11798.6	11064.7	10348.6	10188.8	10348.6	11058.8	12375.7	12727.8	13444.0
47.5°	13080.0	13080.0	12544.3	12076.8	11993.9	12088.6	13074.0	14207.4	14174.9	15092.3
50°	14541.8	14530.0	14021.0	13819.8	13905.6	14038.8	15394.1	16136.9	15672.3	16711.0
52.5°	15565.7	15636.8	15462.2	15429.6	15867.6	16098.4	17749.7	18024.9	17012.8	18246.8
55°	16376.6	16459.4	16660.7	16888.5	17731.9	18033.8	20031.3	19815.3	18134.4	19578.5
57.5°	17524.8	17406.4	17717.1	18166.9	19531.2	19895.2	22241.9	21505.0	19037.0	20658.6
60°	18918.6	18936.4	18989.6	19557.8	21327.4	21795.0	24419.9	23103.0	19617.0	21321.5
62.5°	20593.5	20620.2	20729.7	21602.7	23739.2	24180.2	26739.9	24411.0	19883.3	21135.1
65°	20478.1	20590.6	21812.8	24798.7	27405.8	27840.8	29447.7	25328.4	19480.9	19430.5
67.5°	18655.2	18838.7	20883.5	28616.1	32933.7	33419.0	32720.6	25508.9	17743.8	15110.0
70°	16264.1	16329.2	18788.4	32048.9	39334.6	39825.8	35650.3	23523.2	13464.7	8428.0
72.5°	12701.2	12716.0	15601.3	32844.9	42808.8	42835.4	33350.9	17462.6	7241.3	3237.4
75°	9073.1	8984.3	10449.2	26636.4	37662.6	37964.4	25002.8	8191.3	2766.9	1529.9
77.5°	4865.0	4962.7	5912.6	15796.6	26017.9	26532.8	13642.2	2361.5	1408.6	1041.7
80°	1503.3	1586.2	2423.6	7232.4	14737.2	15047.9	5057.4	1050.5	982.5	742.8
82.5°	473.5	491.2	1130.4	3039.2	6116.8	6258.8	1464.8	594.8	671.8	491.2
85°	136.1	139.1	503.1	1133.4	1512.2	1541.8	411.3	230.8	384.7	304.8
87.5°	14.8	47.3	189.4	189.4	133.2	130.2	44.4	50.3	109.5	38.5
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°
5853.4	0°	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4	5853.4
5880.1	2.5°	5865.3	5868.2	5829.8	5764.7	5693.6	5634.4	5560.5	5501.3	5459.8	5448.0
5933.3	5°	5906.7	5886.0	5776.5	5578.2	5341.5	5137.3	4909.4	4728.9	4610.5	4560.2
5989.6	7.5°	5968.8	5909.7	5670.0	5279.3	4826.6	4424.1	4015.7	3699.1	3497.9	3397.2
6042.8	10°	6022.1	5903.7	5492.4	4847.3	4154.8	3545.2	2994.8	2613.0	2400.0	2299.4
6105.0	12.5°	6072.4	5900.8	5261.6	4335.3	3397.2	2651.5	2139.6	1950.2	1891.0	1870.3
6205.6	15°	6167.1	5909.7	4971.6	3749.4	2642.6	2003.4	1817.0	1814.0	1825.9	1819.9
6359.5	17.5°	6297.3	5918.5	4643.1	3127.9	2038.9	1766.7	1757.8	1784.4	1802.2	1793.3
6551.8	20°	6466.0	5954.0	4293.9	2512.4	1751.9	1707.5	1728.2	1751.9	1766.7	1751.9
6809.3	22.5°	6702.7	6016.2	3912.2	2018.2	1660.1	1672.0	1689.7	1716.4	1731.2	1710.5
7137.8	25°	6992.7	6113.8	3536.3	1754.8	1615.8	1630.6	1657.2	1686.8	1704.5	1683.8
7552.0	27.5°	7368.6	6270.7	3190.1	1695.7	1571.4	1580.2	1618.7	1663.1	1686.8	1660.1
8140.9	30°	7913.1	6528.1	2891.2	1722.3	1544.7	1524.0	1577.3	1639.4	1666.1	1642.4
8942.9	32.5°	8635.1	6892.1	2707.7	1763.7	1532.9	1458.9	1509.2	1589.1	1633.5	1618.7
9990.5	35°	9582.1	7445.5	2636.7	1811.1	1524.0	1390.9	1426.4	1512.2	1589.1	1603.9
11310.3	37.5°	10730.3	8214.9	2657.4	1831.8	1497.4	1334.6	1352.4	1426.4	1527.0	1574.3
12795.9	40°	12035.3	9111.6	2775.8	1811.1	1467.8	1287.3	1290.2	1346.5	1435.2	1506.3
14393.9	42.5°	13381.8	10159.2	2994.8	1734.1	1441.2	1245.9	1237.0	1275.4	1334.6	1384.9
15988.9	45°	14663.2	11236.3	3210.8	1627.6	1408.6	1204.4	1183.7	1198.5	1210.3	1231.1
17542.5	47.5°	15781.8	11993.9	3148.7	1529.9	1364.2	1157.1	1121.6	1115.6	1080.1	1077.2
18930.4	50°	16554.1	12159.6	2796.5	1432.3	1299.1	1103.8	1047.6	1012.1	949.9	920.3
19969.1	52.5°	16799.8	11505.6	2284.6	1334.6	1192.6	1032.8	952.9	896.7	819.7	793.1
20566.9	55°	16474.2	10224.3	1825.9	1216.3	1044.6	938.1	849.3	775.3	713.2	680.6
20632.0	57.5°	15678.2	8593.7	1444.1	1077.2	887.8	831.6	742.8	668.8	615.5	583.0
19909.9	60°	14358.4	6824.1	1142.3	911.5	757.6	716.1	624.4	577.1	529.7	491.2
18045.6	62.5°	12354.9	4871.0	896.7	722.1	633.3	585.9	532.7	497.2	440.9	387.7
14692.8	65°	9641.3	2980.0	692.5	529.7	509.0	485.3	452.8	420.2	352.2	298.9
9585.1	67.5°	6081.3	1411.6	494.2	399.5	402.5	390.6	375.8	349.2	298.9	251.5
4293.9	70°	2678.1	683.6	325.5	304.8	298.9	298.9	310.7	301.8	254.5	210.1
1491.5	72.5°	911.5	366.9	242.7	230.8	216.0	213.1	260.4	251.5	204.2	162.8
742.8	75°	476.4	245.6	177.6	165.7	130.2	156.8	207.1	195.3	145.0	106.5
491.2	77.5°	310.7	174.6	121.3	106.5	74.0	103.6	153.9	136.1	85.8	53.3
322.6	80°	195.3	115.4	71.0	50.3	35.5	56.2	82.9	59.2	32.6	11.8
189.4	82.5°	103.6	59.2	26.6	17.8	14.8	17.8	20.7	14.8	5.9	0.0
97.7	85°	41.4	20.7	8.9	5.9	3.0	0.0	5.9	3.0	0.0	0.0
17.8	87.5°	14.8	3.0	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°
5853.4
5468.7
4578.0
3412.0
2302.3
1864.3
1817.0
1790.4
1748.9
1707.5
1680.9
1660.1
1639.4
1618.7
1603.9
1586.2
1529.9
1405.7
1242.9
1074.2
923.3
790.1
680.6
577.1
482.4
378.8
290.0
245.6
201.2
153.9
97.7
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