

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: P850825

Luminaire Tested: **GLAN-SB8C-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850825  
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-SB8C-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

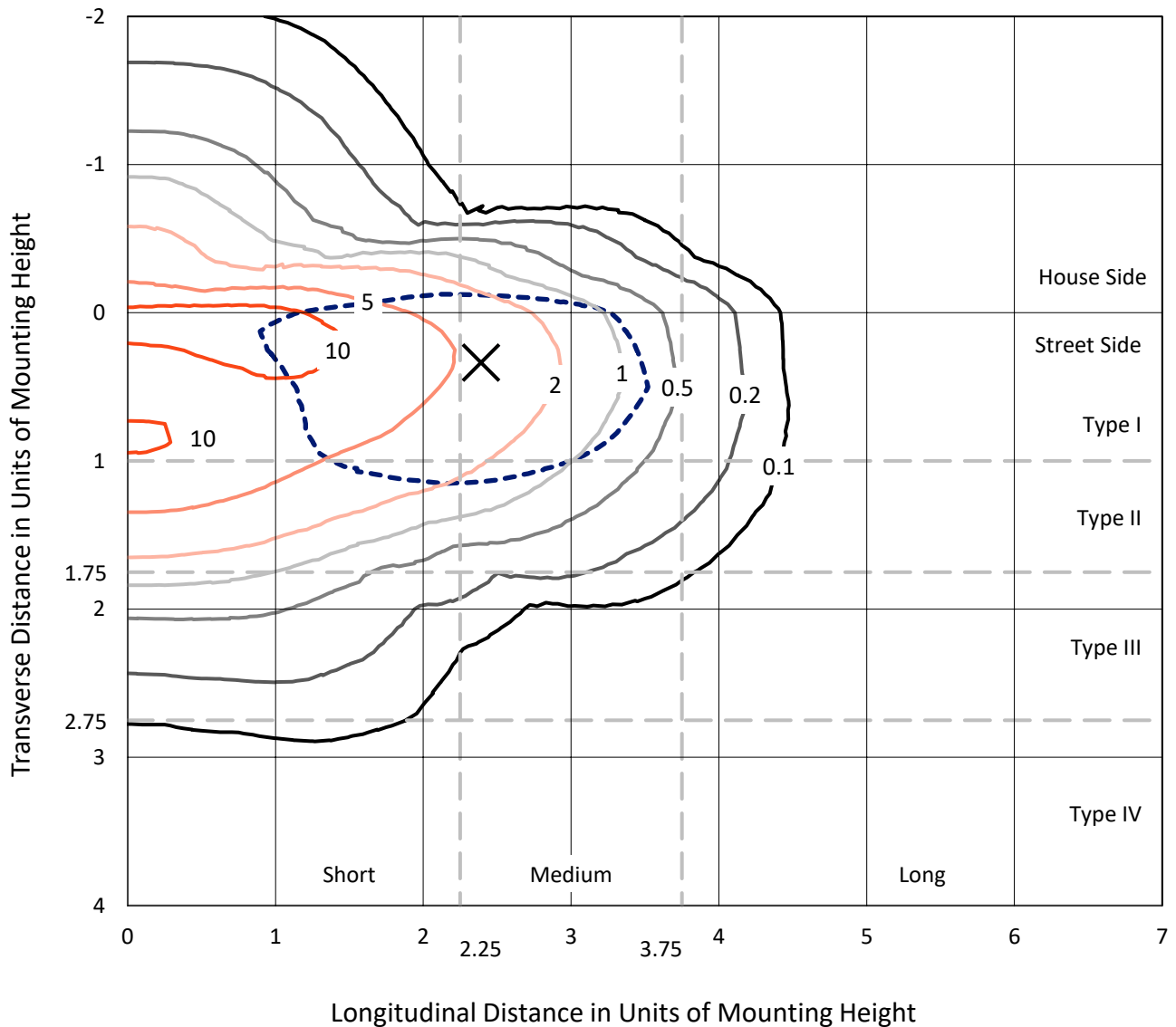
Lumens per Lamp: N/A  
Luminaire Lumens: 43394 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

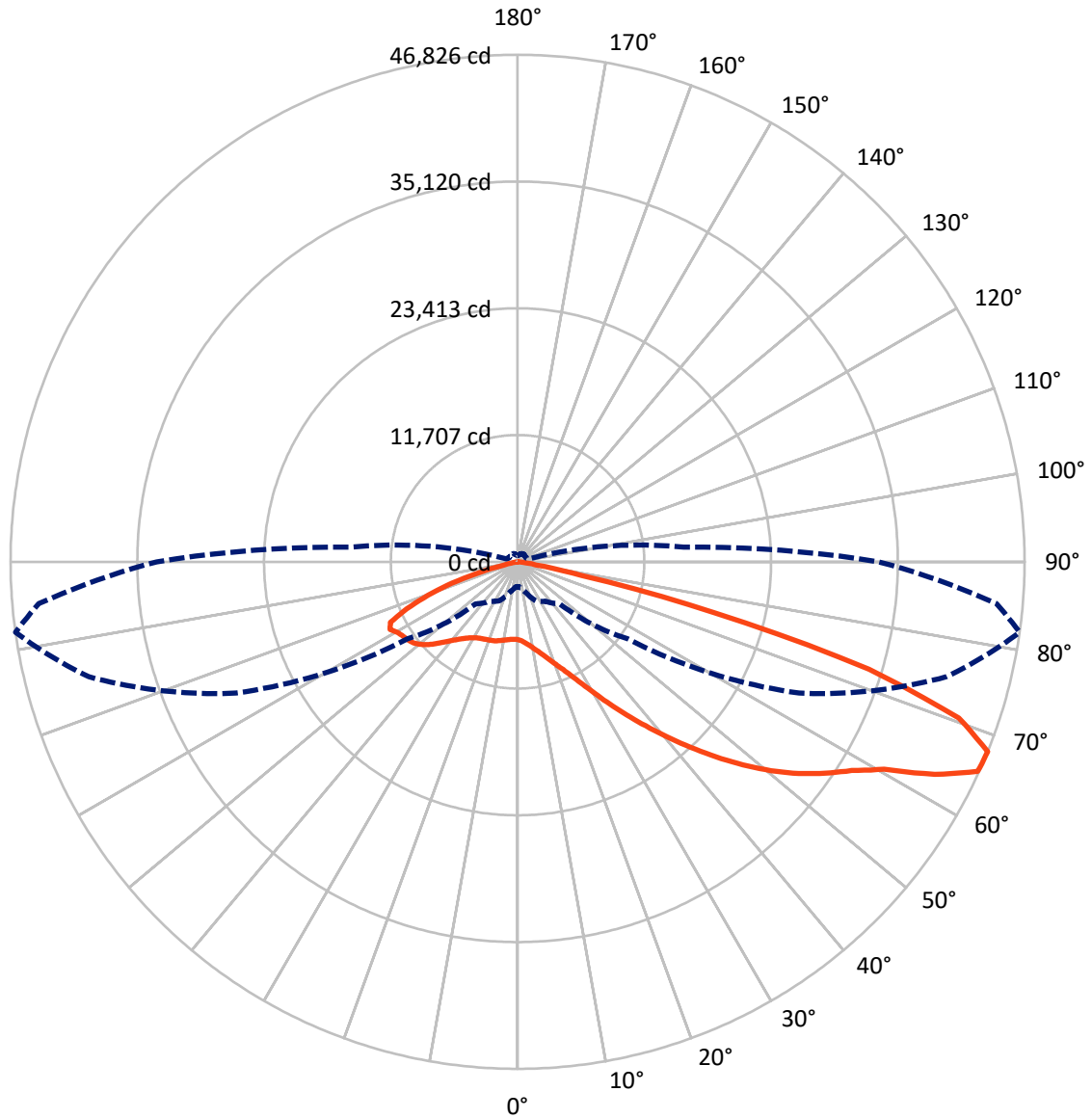
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 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	7860.4	0.0	7860.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	35533.6	0.0	35533.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	43394.0	0.0	43394.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	640.5	1.5
10°-20°	1664.3	3.8
20°-30°	2665.8	6.1
30°-40°	4713.9	10.9
40°-50°	8259.2	19.0
50°-60°	11015.4	25.4
60°-70°	10254.8	23.6
70°-80°	3935.8	9.1
80°-90°	244.4	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°	43394.0	100.0
0°-180°	43394.0	100.0

**Coefficient of Utilization**

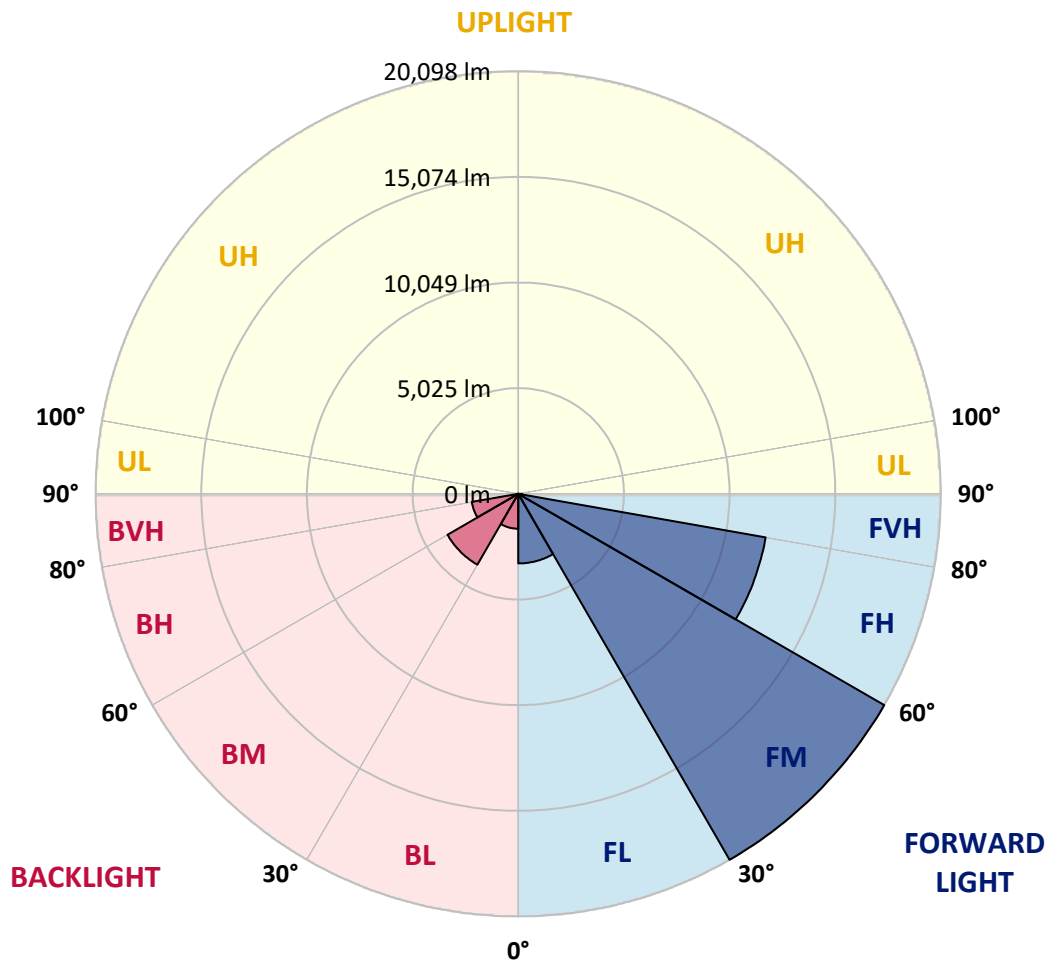


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3310.5	7.6			
FM (30°-60°)	20098.3	46.3			
FH (60°-80°)	11947.0	27.5			G4/12000
FVH (80°-90°)	177.7	0.4			G2/225
BL (0°-30°)	1660.1	3.8	B3/2500		
BM (30°-60°)	3890.1	9.0	B3/5000		
BH (60°-80°)	2243.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	66.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9
2.5°	7598.2	7641.9	7616.9	7604.4	7582.6	7551.3	7526.3	7448.2	7367.0	7313.9
5°	7751.3	7795.0	7791.9	7804.4	7820.0	7829.4	7823.1	7735.7	7620.1	7529.5
7.5°	7620.1	7670.1	7710.7	7773.2	7882.5	7998.1	8054.3	8035.6	7916.9	7791.9
10°	7248.3	7301.4	7398.2	7545.1	7776.3	8026.2	8235.5	8332.4	8257.4	8119.9
12.5°	6567.2	6620.3	6810.9	7129.6	7517.0	7951.2	8351.1	8610.5	8629.2	8491.7
15°	5801.7	5854.9	6057.9	6457.8	7048.3	7745.0	8413.6	8904.1	9069.7	8951.0
17.5°	5326.9	5373.7	5526.8	5848.6	6464.1	7332.6	8391.8	9216.6	9594.6	9500.9
20°	5183.1	5223.8	5295.6	5520.6	6032.9	6904.6	8248.0	9510.2	10160.1	10107.0
22.5°	5336.2	5373.7	5395.6	5495.6	5817.4	6623.4	8066.8	9810.2	10816.2	10822.4
25°	5689.3	5726.8	5701.8	5764.3	5904.8	6535.9	7998.1	10163.2	11641.0	11709.7
27.5°	6270.4	6273.5	6214.1	6211.0	6232.9	6667.2	8070.0	10541.2	12681.4	12809.5
30°	7435.7	7388.9	7160.8	6914.0	6801.5	7060.8	8269.9	10988.0	13909.2	14137.3
32.5°	9232.2	9163.4	8744.8	8154.3	7560.7	7695.0	8629.2	11497.3	15246.4	15658.8
35°	11181.7	11163.0	10725.6	9847.7	8810.4	8598.0	9213.4	12165.9	16705.4	17361.5
37.5°	12993.8	12984.4	12734.5	11700.3	10438.1	9857.0	10150.7	13040.7	18267.5	19217.3
40°	14649.6	14677.8	14427.8	13503.0	12231.5	11472.3	11425.4	14121.6	20004.6	21238.7
42.5°	16080.6	16111.8	15858.7	15174.5	14002.9	13259.4	12990.7	15446.3	21701.1	23410.1
45°	17052.2	17245.9	17208.4	16661.7	15821.2	15049.6	14871.5	17108.4	23635.0	25712.6
47.5°	17327.1	17505.2	17786.4	17861.4	17349.0	16589.8	16802.3	19111.1	25590.8	28018.3
50°	16649.2	16814.8	17399.0	18176.9	18533.1	18298.8	18679.9	21257.5	27593.4	30317.8
52.5°	15312.0	15480.7	16218.0	17449.0	18901.8	19639.1	20563.9	23372.6	29533.6	32495.4
55°	13378.1	13556.2	14502.8	15896.2	18198.8	20192.1	22135.4	25484.6	31311.3	34454.3
57.5°	10747.4	10878.7	11862.8	13812.3	16430.5	19642.2	23294.5	27790.3	32985.9	36378.9
60°	7004.6	7120.2	8263.7	10438.1	13499.9	17805.1	23525.7	30361.5	35210.4	38881.4
62.5°	4658.3	4736.4	5414.3	7010.8	9507.1	14277.9	22172.9	32414.2	38472.1	43236.6
65°	3196.1	3274.2	3952.2	5064.4	6142.3	9444.6	18283.2	32142.4	41427.7	46695.2
67.5°	2280.7	2346.3	2921.2	3970.9	4445.8	5486.2	12393.9	28668.2	41002.8	46826.4
70°	1634.0	1671.5	2146.4	3093.0	3533.5	3296.1	6892.1	21926.0	35900.8	43239.7
72.5°	1143.5	1156.0	1490.3	2355.7	2846.2	2405.7	3280.5	14618.4	27152.9	33938.8
75°	774.8	790.4	1002.9	1727.7	2283.8	1837.1	1737.1	7838.8	15940.0	18786.2
77.5°	474.9	481.1	646.7	1181.0	1709.0	1399.7	1118.5	3321.1	6167.3	6054.8
80°	268.7	268.7	412.4	734.2	1165.3	902.9	784.2	1412.2	1952.7	1715.2
82.5°	150.0	153.1	299.9	456.1	771.7	534.2	431.1	653.0	843.5	746.7
85°	62.5	68.7	184.3	215.6	368.7	265.6	175.0	274.9	312.4	278.1
87.5°	6.2	9.4	56.2	40.6	43.7	53.1	25.0	53.1	43.7	43.7
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°
7188.9	0°	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9	7188.9
7295.1	2.5°	7235.8	7188.9	7070.2	6932.7	6751.5	6664.0	6545.3	6464.1	6395.4	6401.6
7476.3	5°	7376.4	7257.7	6992.1	6660.9	6248.5	5954.8	5642.4	5426.8	5251.9	5214.4
7726.3	7.5°	7570.1	7382.6	6917.1	6320.4	5623.7	5095.7	4623.9	4320.8	4105.3	4036.5
8029.3	10°	7820.0	7548.2	6820.3	5892.4	4889.5	4217.7	3711.6	3474.2	3327.3	3277.3
8385.5	12.5°	8110.6	7738.8	6692.2	5370.6	4133.4	3486.7	3164.9	3046.2	2999.3	2983.7
8822.9	15°	8476.1	7976.2	6498.5	4752.0	3492.9	3039.9	2902.4	2886.8	2893.1	2886.8
9347.8	17.5°	8910.4	8235.5	6182.9	4114.6	3061.8	2811.8	2761.8	2774.3	2790.0	2786.8
9935.1	20°	9385.3	8491.7	5779.9	3549.2	2768.1	2649.4	2621.3	2633.7	2646.2	2640.0
10613.1	22.5°	9925.8	8766.7	5333.1	3108.6	2571.3	2499.4	2468.2	2471.3	2471.3	2458.8
11472.3	25°	10572.5	9069.7	4864.5	2796.2	2421.3	2365.1	2327.6	2315.1	2296.3	2258.8
12515.8	27.5°	11344.2	9391.5	4414.6	2577.5	2302.6	2249.5	2205.7	2174.5	2127.6	2065.1
13768.6	30°	12212.7	9782.1	4033.4	2440.0	2208.9	2155.7	2105.7	2058.9	1990.2	1912.0
15208.9	32.5°	13234.4	10200.7	3755.4	2349.4	2124.5	2068.3	2008.9	1952.7	1877.7	1799.6
16827.3	35°	14452.8	10706.8	3592.9	2287.0	2058.9	1983.9	1918.3	1855.8	1799.6	1730.8
18586.2	37.5°	15774.4	11244.2	3542.9	2255.7	2015.1	1899.5	1824.6	1780.8	1774.6	1734.0
20488.9	40°	17220.9	11881.6	3580.4	2237.0	1968.3	1818.3	1737.1	1727.7	1743.3	1671.5
22522.8	42.5°	18751.8	12637.6	3642.9	2215.1	1902.7	1737.1	1659.0	1659.0	1646.5	1546.5
24672.3	45°	20407.7	13509.3	3705.4	2162.0	1824.6	1655.9	1596.5	1574.6	1521.5	1424.7
26834.3	47.5°	22076.0	14396.6	3752.2	2065.1	1730.8	1587.1	1534.0	1484.0	1405.9	1318.4
28955.6	50°	23660.0	15193.3	3702.2	1921.4	1624.6	1521.5	1465.3	1396.5	1312.2	1252.8
30964.5	52.5°	25075.3	15883.7	3489.8	1752.7	1512.1	1452.8	1402.8	1330.9	1262.2	1199.7
32776.6	55°	26306.3	16443.0	3114.9	1593.4	1412.2	1393.4	1343.4	1252.8	1159.1	1106.0
34573.0	57.5°	27487.2	16867.9	2646.2	1462.2	1321.6	1327.8	1252.8	1171.6	1084.1	1027.9
36994.3	60°	29058.7	17436.5	2171.4	1340.3	1224.7	1243.5	1162.2	1102.9	993.5	921.7
41146.5	62.5°	31570.6	18320.6	1724.6	1190.3	1112.2	1118.5	1084.1	1012.3	881.0	796.7
44223.9	65°	33563.9	17995.7	1359.1	1027.9	984.1	993.5	993.5	915.4	774.8	678.0
44389.5	67.5°	33339.0	15408.8	1084.1	868.5	862.3	868.5	890.4	824.8	687.3	609.2
41009.0	70°	30711.5	12256.5	868.5	721.7	749.8	734.2	796.7	752.9	618.6	540.5
31792.4	72.5°	25059.7	8829.2	662.3	596.7	574.9	599.9	718.6	678.0	515.5	428.0
16839.7	75°	14643.4	4711.4	493.6	471.8	415.5	499.9	637.3	578.0	393.7	315.6
5161.3	77.5°	4767.6	1643.4	362.4	346.8	309.3	403.0	543.6	487.4	321.8	249.9
1512.1	80°	1277.8	496.8	246.8	228.1	200.0	299.9	431.1	387.4	231.2	162.5
649.8	82.5°	512.4	209.3	143.7	128.1	109.3	206.2	340.5	312.4	171.8	103.1
203.1	85°	165.6	68.7	53.1	40.6	50.0	128.1	203.1	212.4	121.8	53.1
31.2	87.5°	21.9	9.4	9.4	12.5	9.4	21.9	62.5	59.4	34.4	6.2
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°
7188.9
6339.1
5130.0
3967.8
3239.9
2974.3
2883.7
2780.6
2636.9
2452.5
2252.6
2058.9
1905.8
1802.7
1724.6
1730.8
1674.6
1546.5
1421.5
1315.3
1243.5
1193.5
1099.7
1021.6
912.3
790.4
668.6
596.7
531.1
418.7
306.2
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159.3
103.1
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