

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: P851667

Luminaire Tested: **GLAN-SB9D-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70219 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

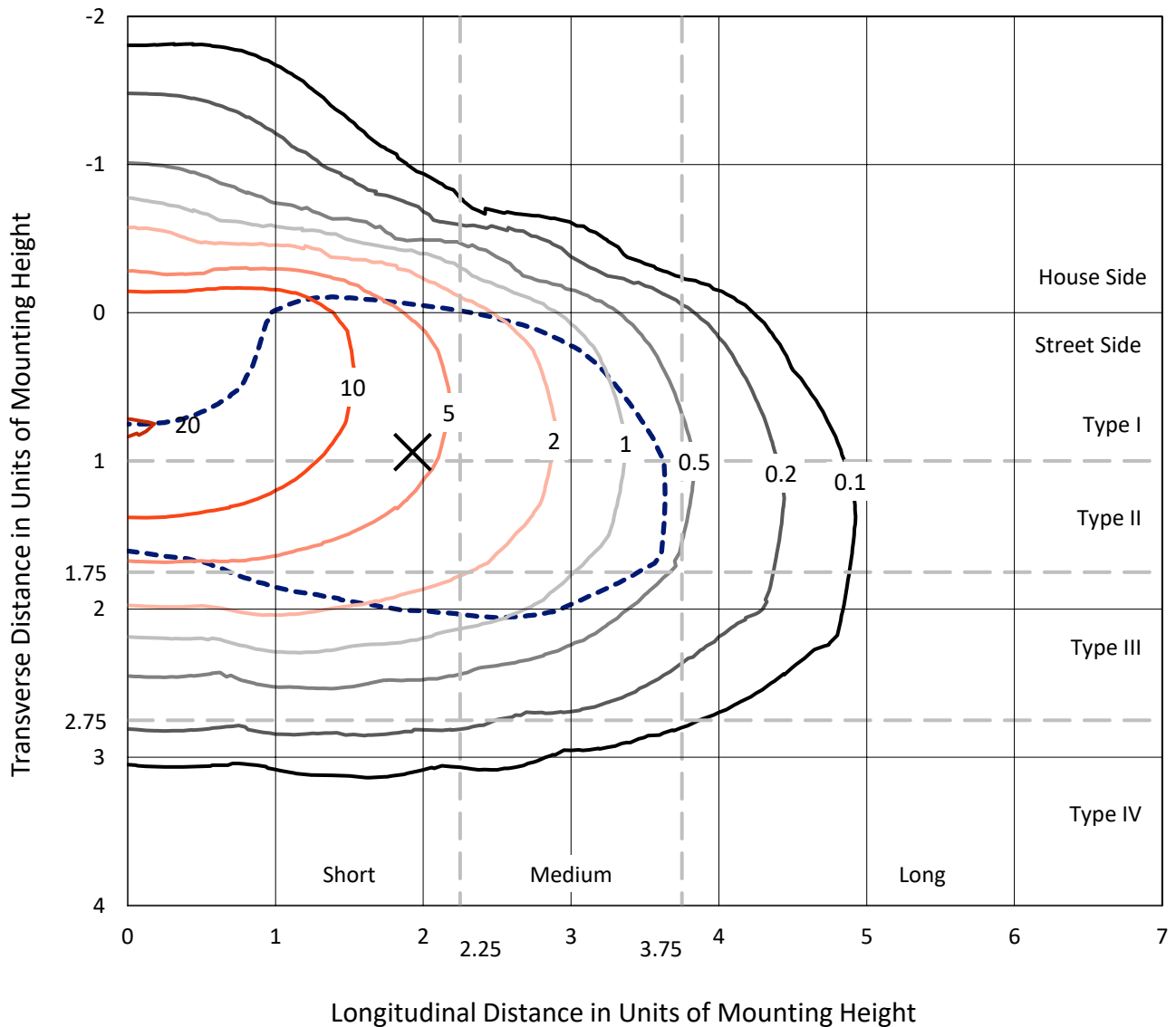
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851667
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Iso-Footcandle Lines of Horizontal Illumination

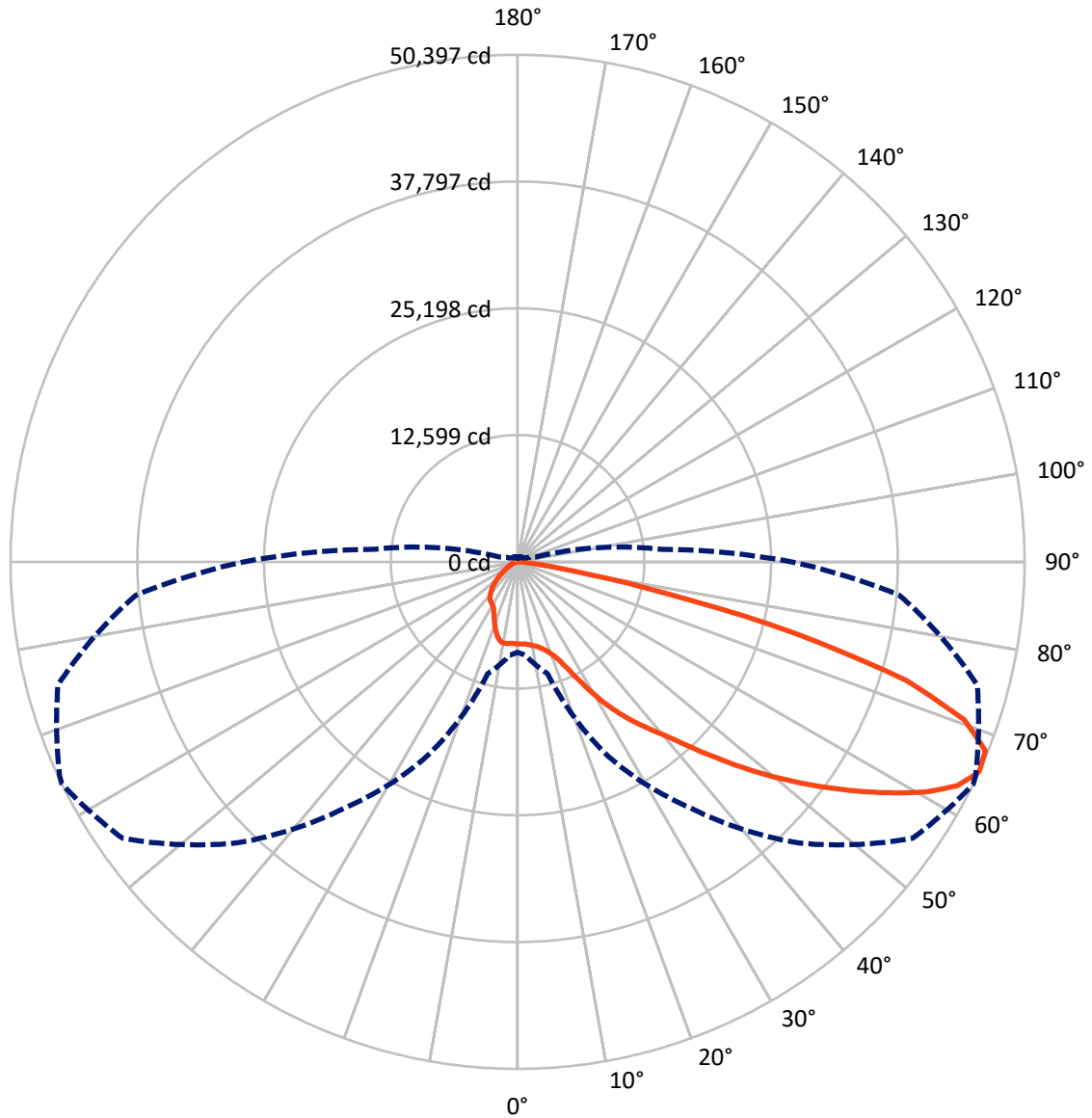
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.5 fc
 Type III - Short - N/A

REPORT NUMBER: P851667
CATALOG NUMBER: GLAN-SB9D-730-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9390.4	0.0	9390.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	60828.6	0.0	60828.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	70219.0	0.0	70219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.5	1.1
10°-20°	2043.7	2.9
20°-30°	3872.7	5.5
30°-40°	7836.5	11.2
40°-50°	13349.5	19.0
50°-60°	18154.3	25.9
60°-70°	17047.8	24.3
70°-80°	6830.1	9.7
80°-90°	330.9	0.5
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°	70219.0	100.0
0°-180°	70219.0	100.0

Coefficient of Utilization



REPORT NUMBER: P851667

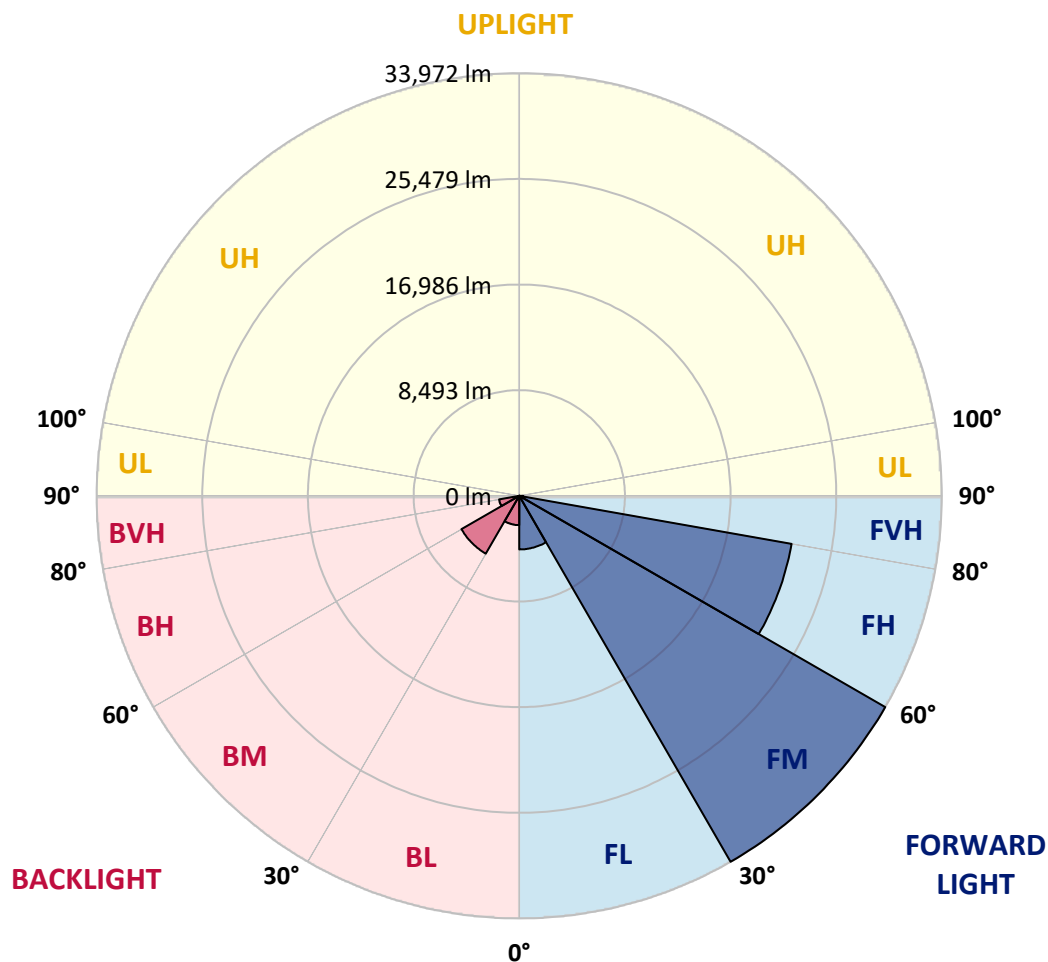
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4312.3	6.1			
FM (30°-60°)	33971.9	48.4			
FH (60°-80°)	22229.7	31.7			G5
FVH (80°-90°)	314.7	0.4			G3/500
BL (0°-30°)	2357.7	3.4	B3/2500		
BM (30°-60°)	5368.4	7.6	B4/8500		
BH (60°-80°)	1648.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	16.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short



REPORT NUMBER: P851667
 CATALOG NUMBER: GLAN-SB9D-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2
2.5°	8139.0	8195.4	8181.3	8167.2	8162.5	8171.9	8176.6	8171.9	8171.9	8171.9
5°	7983.6	8030.7	8030.7	8063.6	8110.7	8167.2	8209.6	8219.0	8228.4	8242.5
7.5°	7687.1	7724.7	7753.0	7861.2	7978.9	8129.5	8256.6	8322.5	8332.0	8383.7
10°	7484.6	7531.7	7578.8	7691.8	7861.2	8087.2	8303.7	8463.8	8487.3	8609.7
12.5°	7475.2	7522.3	7583.5	7705.9	7903.6	8143.7	8407.3	8637.9	8680.3	8859.2
15°	7574.1	7630.6	7687.1	7837.7	8049.5	8341.4	8623.8	8911.0	8953.3	9207.5
17.5°	7776.5	7851.8	7894.2	8044.8	8270.8	8595.6	8967.4	9297.0	9334.6	9631.2
20°	8176.6	8266.1	8280.2	8402.6	8623.8	8972.2	9414.6	9824.2	9871.2	10210.2
22.5°	9005.1	9132.2	9019.2	9080.4	9278.1	9626.5	10106.6	10624.4	10690.3	11076.3
25°	10464.4	10643.2	10351.4	10247.8	10332.6	10695.0	11297.6	11951.9	12027.2	12337.9
27.5°	13331.1	13100.5	12658.0	12224.9	11970.7	12177.8	12855.7	13665.3	13759.5	14060.8
30°	16480.3	16277.9	15680.1	14719.8	14117.3	14084.3	14710.4	15614.2	15722.4	16009.6
32.5°	19634.2	19441.2	18791.6	17610.1	16565.1	16047.3	16480.3	17483.0	17539.5	17723.1
35°	22736.4	22538.6	21889.0	20679.3	19394.2	18217.3	18132.6	19262.4	19281.2	19474.2
37.5°	25857.3	25692.5	25000.6	23814.3	22548.1	20924.0	20137.9	20947.6	20971.1	21159.4
40°	28083.9	28154.5	27679.0	26761.1	25673.7	23899.1	22388.0	22741.1	22599.8	22915.2
42.5°	29995.0	30136.3	29722.0	29260.7	28629.9	27067.1	25174.7	25113.5	24887.6	25057.1
45°	31647.3	31765.0	31393.1	31284.8	31270.7	30173.9	28220.4	27853.2	27537.8	27504.9
47.5°	32254.6	32480.5	32640.6	33003.0	33709.1	33247.8	31369.6	30800.0	30446.9	30188.0
50°	32485.2	32725.3	33271.3	34325.8	35996.9	36194.6	34504.6	33864.5	33431.4	32960.6
52.5°	32174.5	32602.9	33337.2	35111.9	37536.2	38557.7	37512.6	36952.5	36458.2	35690.9
55°	30343.4	30771.7	32273.4	35102.5	38303.5	40214.6	40355.8	40106.4	39550.9	38341.1
57.5°	26483.4	27118.9	29496.1	33906.8	38289.3	41640.9	43142.6	43321.5	42700.1	40967.8
60°	21135.9	21997.3	24897.0	31256.6	37107.8	42412.9	45585.7	46480.1	45821.0	43556.8
62.5°	14748.0	15746.0	18490.3	27104.7	34405.8	41857.5	47369.8	49022.0	48523.0	45872.8
65°	8995.7	9315.8	11528.2	21328.9	29811.5	39532.1	47920.5	50396.6	50231.8	47289.7
67.5°	5992.4	6260.7	6896.2	14625.6	23141.2	34885.9	46602.5	50156.5	50203.6	47059.1
70°	3610.5	3841.2	4255.4	8506.1	14997.5	27613.1	42521.2	47096.7	47369.8	43975.8
72.5°	1487.5	1642.9	2019.4	3855.3	7767.1	17525.3	33859.7	40435.9	41071.4	36976.0
75°	842.6	922.6	1186.2	1934.7	3370.4	8167.2	20509.8	28705.2	29642.0	25485.4
77.5°	560.2	597.8	767.3	1252.1	1897.0	2786.7	8765.0	14955.2	16743.9	13919.5
80°	376.6	409.5	527.2	837.9	1233.3	1195.7	2791.4	5540.5	6816.2	4782.6
82.5°	254.2	258.9	376.6	550.8	781.4	579.0	823.8	1722.9	2165.4	1384.0
85°	145.9	141.2	277.7	320.1	348.3	240.1	249.5	517.8	677.9	583.7
87.5°	18.8	28.2	108.3	84.7	47.1	51.8	51.8	89.4	131.8	141.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851667
 CATALOG NUMBER: GLAN-SB9D-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8167.2	0°	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2	8167.2
8176.6	2.5°	8176.6	8171.9	8157.8	8143.7	8110.7	8091.9	8101.3	8091.9	8087.2	8091.9
8237.8	5°	8237.8	8223.7	8186.0	8139.0	8073.1	7993.0	7941.2	7865.9	7795.3	7753.0
8402.6	7.5°	8402.6	8388.4	8336.7	8204.9	7993.0	7658.8	7352.8	7084.5	6882.1	6764.4
8666.2	10°	8666.2	8642.6	8562.6	8270.8	7715.3	6985.7	6378.4	5874.7	5545.2	5389.9
8976.9	12.5°	8976.9	8948.6	8807.4	8209.6	7188.1	6048.9	5211.0	4650.8	4344.9	4208.3
9334.6	15°	9344.0	9306.4	9028.6	7917.7	6420.8	5013.3	4246.0	3827.1	3629.3	3507.0
9791.2	17.5°	9800.6	9734.7	9193.4	7479.9	5587.6	4222.5	3652.9	3337.5	3163.3	3045.6
10389.1	20°	10393.8	10285.5	9325.2	6957.4	4820.3	3723.5	3252.8	2989.1	2857.3	2753.8
11236.4	22.5°	11222.2	11066.9	9485.2	6392.5	4279.0	3379.9	2956.2	2763.2	2654.9	2537.2
12417.9	25°	12248.4	12064.9	9683.0	5870.0	3907.1	3083.3	2739.7	2579.6	2452.5	2316.0
13966.6	27.5°	13684.2	13354.7	9918.3	5441.7	3587.0	2829.1	2542.0	2363.1	2217.1	2104.2
15722.4	30°	15284.7	14743.3	10125.4	5182.8	3295.1	2593.7	2283.0	2104.2	1967.7	1887.6
17299.4	32.5°	16800.4	16066.1	10262.0	5069.8	3031.5	2325.4	2000.6	1807.6	1704.0	1680.5
18843.4	35°	18231.4	17261.7	10247.8	4961.5	2796.1	2057.1	1722.9	1525.2	1445.1	1459.3
20505.1	37.5°	19879.0	18537.4	10149.0	4792.1	2603.1	1812.3	1482.8	1308.6	1238.0	1242.7
22524.5	40°	21794.9	20010.8	10087.8	4472.0	2391.3	1586.4	1285.1	1143.9	1092.1	1073.3
24652.2	42.5°	23837.9	21437.1	10097.2	4109.5	2127.7	1384.0	1148.6	1030.9	983.8	969.7
27020.0	45°	25890.3	22797.5	10111.3	3732.9	1850.0	1228.6	1049.7	950.9	922.6	903.8
29420.7	47.5°	27820.3	23955.5	9847.7	3328.1	1577.0	1110.9	969.7	903.8	880.3	856.7
31830.9	50°	29618.5	24727.5	9212.2	2857.3	1360.4	1016.8	908.5	861.4	837.9	814.4
34015.1	52.5°	31016.5	24849.9	8162.5	2372.5	1209.8	946.2	870.9	828.5	800.2	776.7
35780.3	55°	31637.9	24082.6	6670.3	1920.6	1092.1	885.0	833.2	790.8	757.9	734.3
37169.0	57.5°	31477.8	22468.0	5201.6	1544.0	979.1	823.8	786.1	757.9	720.2	682.6
38294.0	60°	30691.7	20307.4	3921.2	1285.1	875.6	757.9	734.3	710.8	659.0	602.5
38727.1	62.5°	29331.3	17591.3	2796.1	1063.9	762.6	682.6	673.1	654.3	579.0	475.4
38086.9	65°	27250.7	14291.4	1882.9	885.0	654.3	597.8	602.5	569.6	470.7	353.0
35742.7	67.5°	24209.7	10450.2	1205.1	724.9	546.0	499.0	503.7	484.9	400.1	301.3
31299.0	70°	20335.6	6919.8	786.1	550.8	437.8	386.0	414.2	419.0	338.9	244.8
24021.4	72.5°	14908.1	4086.0	550.8	409.5	320.1	268.3	338.9	348.3	273.0	183.6
14451.5	75°	8496.7	1939.4	414.2	296.6	197.7	188.3	263.6	263.6	188.3	122.4
6256.0	77.5°	3568.1	809.7	291.9	193.0	113.0	108.3	178.9	164.8	94.1	56.5
1525.2	80°	1030.9	362.5	155.3	94.1	47.1	42.4	70.6	51.8	23.5	9.4
579.0	82.5°	404.8	160.0	61.2	37.7	18.8	18.8	9.4	0.0	0.0	0.0
329.5	85°	240.1	65.9	28.2	14.1	4.7	0.0	0.0	0.0	0.0	0.0
70.6	87.5°	61.2	14.1	9.4	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°
8167.2
8110.7
7762.4
6769.1
5375.8
4194.2
3511.7
3036.2
2735.0
2518.4
2301.9
2080.6
1873.5
1694.6
1459.3
1261.6
1068.6
965.0
903.8
856.7
814.4
772.0
729.6
677.9
593.1
466.0
343.6
287.1
235.4
174.2
113.0
56.5
9.4
0.0
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