

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: P852980

Luminaire Tested: **GLAN-SB7D-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852980
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-SB7D-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 900mA 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: 43688 lumens
Efficiency: N/A
Efficacy: 85.2 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

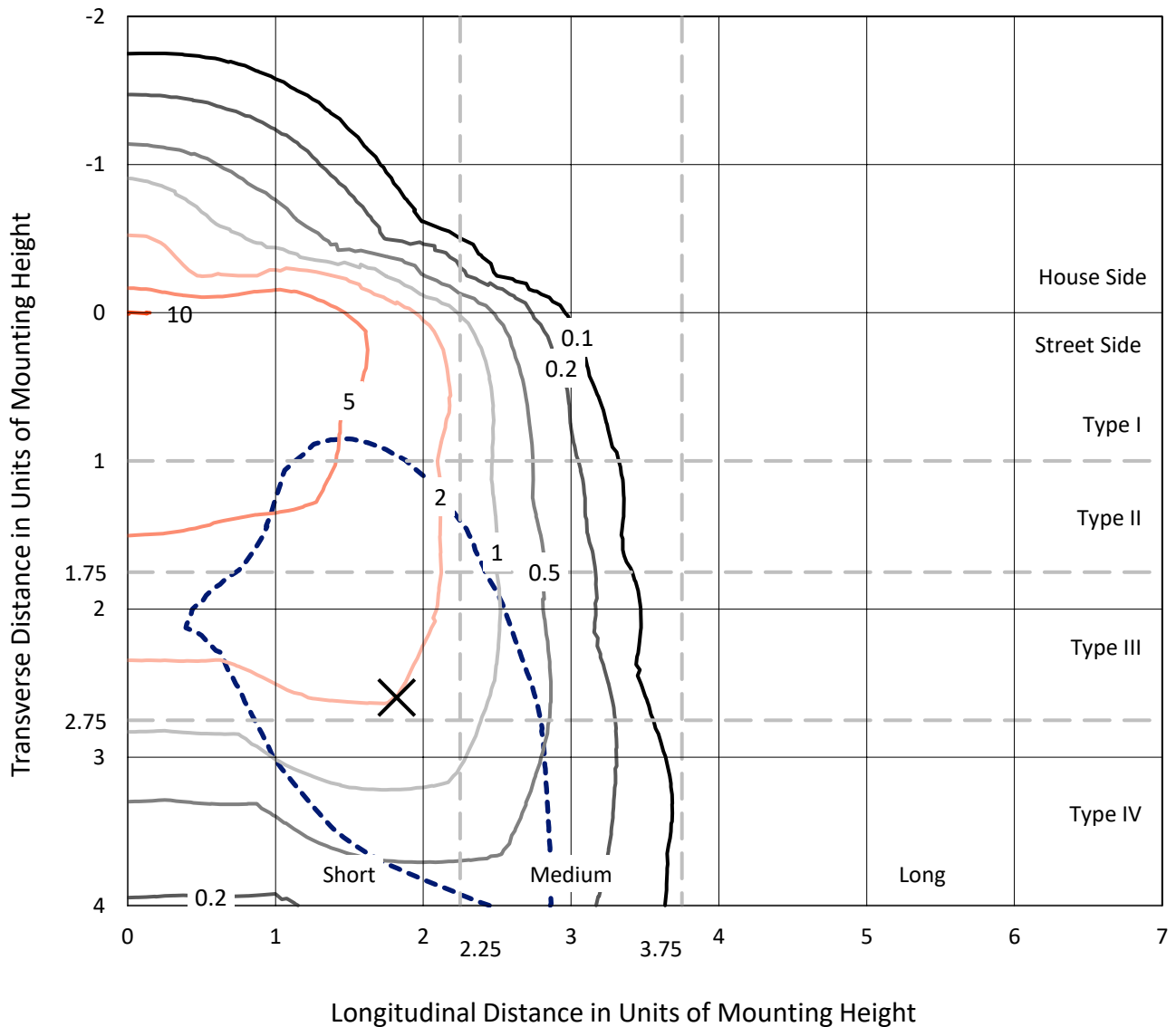
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

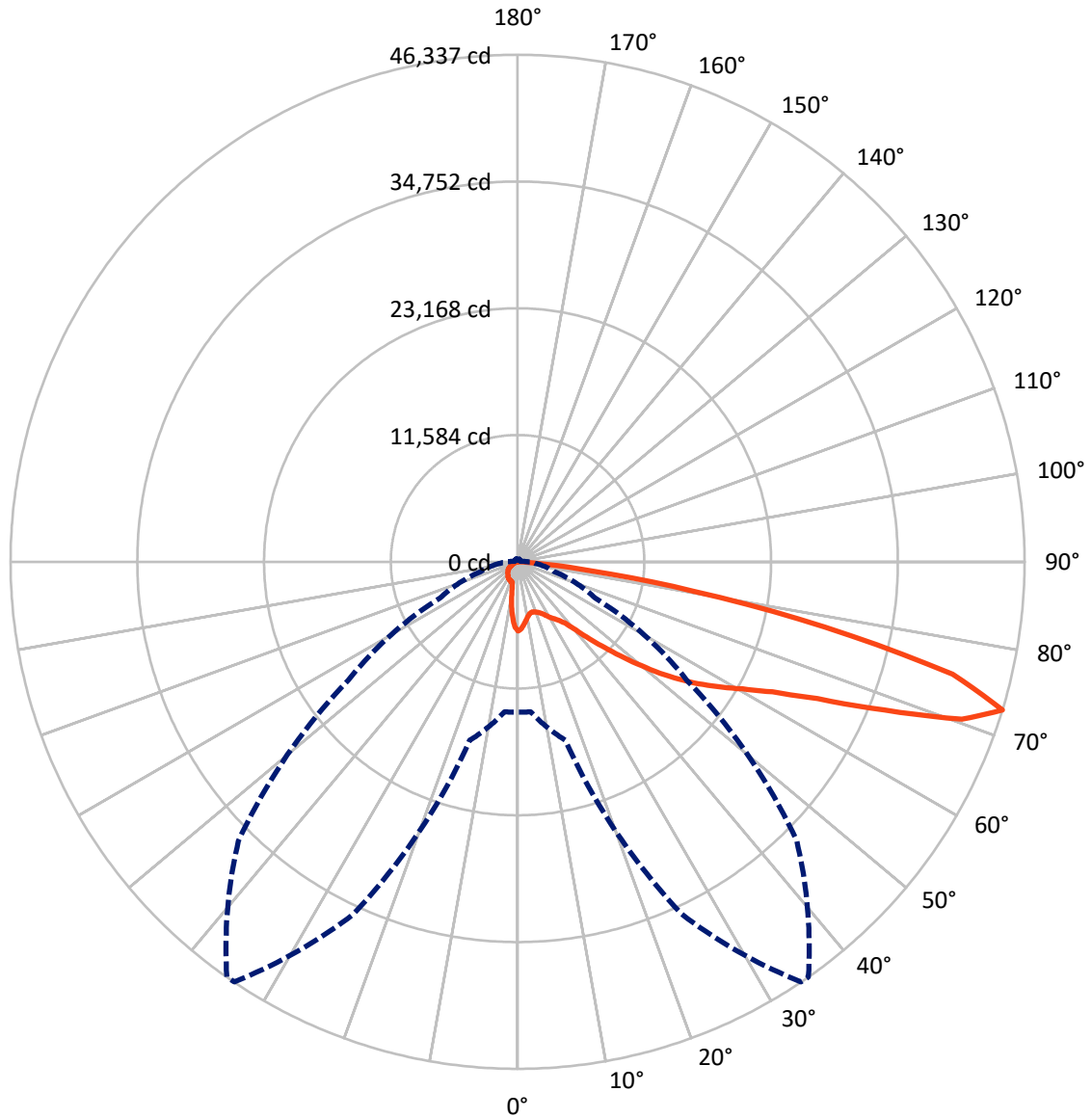
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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
House Side	Lumens	4916.9	0.0	4916.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	38771.1	0.0	38771.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	43688.0	0.0	43688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.3	1.2
10°-20°	1217.2	2.8
20°-30°	1977.3	4.5
30°-40°	3299.1	7.6
40°-50°	6242.0	14.3
50°-60°	9918.6	22.7
60°-70°	12270.0	28.1
70°-80°	7627.1	17.5
80°-90°	616.4	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°	43688.0	100.0
0°-180°	43688.0	100.0

Coefficient of Utilization



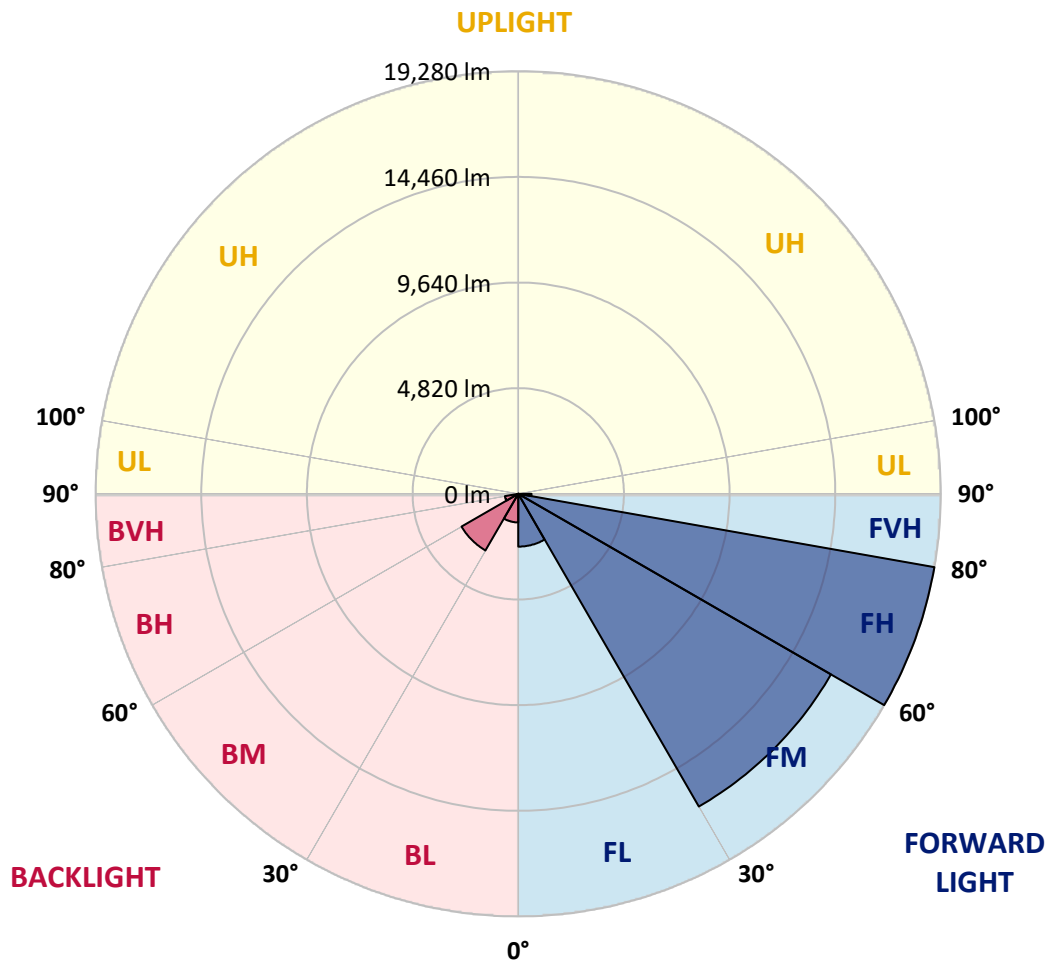
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2408.3	5.5			
FM	(30°-60°)	16474.7	37.7			
FH	(60°-80°)	19280.0	44.1			G5
FVH	(80°-90°)	608.0	1.4			G4/750
BL	(0°-30°)	1306.5	3.0	B3/2500		
BM	(30°-60°)	2985.0	6.8	B3/5000		
BH	(60°-80°)	617.0	1.4	B2/1000		G2/1000
BVH	(80°-90°)	8.4	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°	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9
2.5°	6050.2	6101.4	6111.0	6127.0	6127.0	6146.2	6178.2	6223.0	6296.6	6335.1
5°	5576.4	5614.8	5662.8	5701.2	5774.9	5784.5	5909.3	6030.9	6200.6	6328.7
7.5°	5099.4	5144.2	5208.3	5301.1	5397.1	5425.9	5614.8	5819.7	6088.6	6328.7
10°	4763.3	4766.5	4824.1	4917.0	5070.6	5105.8	5336.3	5627.6	5963.7	6290.2
12.5°	4574.4	4596.8	4622.4	4692.9	4840.1	4862.5	5109.0	5451.5	5838.9	6267.8
15°	4574.4	4590.4	4606.4	4641.7	4760.1	4779.3	4997.0	5339.5	5774.9	6277.4
17.5°	4622.4	4648.1	4635.3	4676.9	4801.7	4814.5	5006.6	5307.5	5771.7	6338.3
20°	4737.7	4756.9	4731.3	4756.9	4881.7	4907.3	5105.8	5368.3	5826.1	6443.9
22.5°	4920.2	4929.8	4868.9	4888.1	5016.2	5048.2	5278.7	5541.2	5957.3	6613.6
25°	5150.6	5169.8	5077.0	5099.4	5221.1	5259.5	5525.2	5800.5	6165.4	6847.2
27.5°	5416.3	5425.9	5345.9	5342.7	5499.6	5554.0	5822.9	6120.6	6443.9	7141.7
30°	5720.4	5749.2	5672.4	5659.6	5858.1	5902.9	6168.6	6514.3	6853.6	7583.5
32.5°	5960.5	5982.9	5938.1	5970.1	6171.8	6207.0	6587.9	7071.3	7497.1	8210.9
35°	6306.2	6319.1	6216.6	6274.2	6504.7	6594.3	7161.0	7852.4	8307.0	8998.4
37.5°	7557.9	7557.9	7122.5	6837.6	7058.5	7138.5	7945.2	8835.1	9305.7	10054.8
40°	9289.7	9260.9	8623.9	8041.3	8012.5	8169.3	9062.4	10074.0	10595.8	11322.4
42.5°	11136.8	11092.0	10224.4	9648.2	9552.2	9606.6	10352.5	11600.9	12132.3	12868.6
45°	12775.8	12762.9	11969.1	11194.4	11021.5	11194.4	11962.7	13387.2	13768.1	14542.8
47.5°	14149.0	14149.0	13569.6	13063.9	12974.2	13076.7	14142.6	15368.7	15333.5	16325.8
50°	15730.4	15717.6	15167.0	14949.3	15042.2	15186.2	16652.3	17455.8	16953.2	18076.8
52.5°	16838.0	16914.8	16726.0	16690.7	17164.5	17414.2	19200.4	19498.1	18403.4	19738.2
55°	17715.1	17804.7	18022.4	18268.9	19181.2	19507.8	21668.5	21434.8	19616.6	21178.7
57.5°	18957.2	18829.1	19165.2	19651.8	21127.5	21521.3	24059.8	23262.7	20592.9	22347.2
60°	20464.9	20484.1	20541.7	21156.3	23070.6	23576.4	26415.8	24991.3	21220.4	23064.2
62.5°	22276.7	22305.5	22424.0	23368.3	25679.5	26156.5	28925.5	26406.2	21508.5	22862.5
65°	22151.9	22273.5	23595.6	26825.6	29645.8	30116.3	31854.5	27398.6	21073.1	21018.7
67.5°	20180.0	20378.5	22590.4	30955.0	35625.5	36150.5	35395.0	27593.8	19194.0	16345.0
70°	17593.5	17663.9	20324.0	34668.4	42549.6	43080.9	38564.1	25445.9	14565.2	9116.8
72.5°	13739.3	13755.3	16876.4	35529.5	46307.7	46336.5	36076.9	18889.9	7833.2	3502.0
75°	9814.7	9718.7	11303.2	28813.5	40740.9	41067.4	27046.4	8860.8	2993.1	1655.0
77.5°	5262.7	5368.3	6395.9	17087.7	28144.4	28701.4	14757.3	2554.5	1523.7	1126.8
80°	1626.2	1715.8	2621.7	7823.6	15941.7	16277.8	5470.7	1136.4	1062.8	803.5
82.5°	512.2	531.4	1222.8	3287.6	6616.8	6770.4	1584.6	643.4	726.7	531.4
85°	147.3	150.5	544.2	1226.0	1635.8	1667.8	445.0	249.7	416.1	329.7
87.5°	16.0	51.2	204.9	204.9	144.1	140.9	48.0	54.4	118.4	41.6
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°
6331.9	0°	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9	6331.9
6360.7	2.5°	6344.7	6347.9	6306.2	6235.8	6159.0	6095.0	6014.9	5950.9	5906.1	5893.3
6418.3	5°	6389.5	6367.1	6248.6	6034.1	5778.1	5557.2	5310.7	5115.4	4987.4	4933.0
6479.1	7.5°	6456.7	6392.7	6133.4	5710.8	5221.1	4785.7	4343.9	4001.4	3783.7	3674.9
6536.7	10°	6514.3	6386.3	5941.3	5243.5	4494.4	3835.0	3239.6	2826.6	2596.1	2487.3
6604.0	12.5°	6568.7	6383.1	5691.6	4689.7	3674.9	2868.2	2314.4	2109.6	2045.5	2023.1
6712.8	15°	6671.2	6392.7	5377.9	4055.8	2858.6	2167.2	1965.5	1962.3	1975.1	1968.7
6879.3	17.5°	6812.0	6402.3	5022.6	3383.6	2205.6	1911.1	1901.5	1930.3	1949.5	1939.9
7087.3	20°	6994.5	6440.7	4644.9	2717.8	1895.1	1847.1	1869.5	1895.1	1911.1	1895.1
7365.8	22.5°	7250.6	6507.9	4231.9	2183.2	1795.8	1808.6	1827.9	1856.7	1872.7	1850.3
7721.2	25°	7564.3	6613.6	3825.4	1898.3	1747.8	1763.8	1792.6	1824.7	1843.9	1821.4
8169.3	27.5°	7970.8	6783.2	3450.8	1834.3	1699.8	1709.4	1751.0	1799.0	1824.7	1795.8
8806.3	30°	8559.8	7061.7	3127.5	1863.1	1671.0	1648.6	1706.2	1773.4	1802.2	1776.6
9673.8	32.5°	9340.9	7455.5	2929.0	1907.9	1658.2	1578.2	1632.6	1719.0	1767.0	1751.0
10807.1	35°	10365.3	8054.1	2852.2	1959.1	1648.6	1504.5	1542.9	1635.8	1719.0	1735.0
12234.8	37.5°	11607.3	8886.4	2874.6	1981.5	1619.8	1443.7	1462.9	1542.9	1651.8	1703.0
13841.7	40°	13019.0	9856.3	3002.7	1959.1	1587.8	1392.5	1395.7	1456.5	1552.6	1629.4
15570.3	42.5°	14475.6	10989.5	3239.6	1875.9	1559.0	1347.7	1338.1	1379.7	1443.7	1498.1
17295.8	45°	15861.7	12154.7	3473.2	1760.6	1523.7	1302.9	1280.5	1296.5	1309.3	1331.7
18976.4	47.5°	17071.7	12974.2	3406.0	1655.0	1475.7	1251.6	1213.2	1206.8	1168.4	1165.2
20477.7	50°	17907.2	13153.5	3025.1	1549.4	1405.3	1194.0	1133.2	1094.8	1027.6	995.6
21601.3	52.5°	18172.9	12446.0	2471.3	1443.7	1290.1	1117.2	1030.8	969.9	886.7	857.9
22247.9	55°	17820.7	11059.9	1975.1	1315.7	1130.0	1014.8	918.7	838.7	771.5	736.3
22318.4	57.5°	16959.6	9296.1	1562.2	1165.2	960.3	899.5	803.5	723.5	665.8	630.6
21537.3	60°	15531.9	7381.8	1235.6	986.0	819.5	774.7	675.4	624.2	573.0	531.4
19520.6	62.5°	13364.8	5269.1	969.9	781.1	685.0	633.8	576.2	537.8	477.0	419.3
15893.7	65°	10429.3	3223.5	749.1	573.0	550.6	525.0	489.8	454.6	380.9	323.3
10368.5	67.5°	6578.3	1526.9	534.6	432.2	435.4	422.6	406.5	377.7	323.3	272.1
4644.9	70°	2897.0	739.5	352.1	329.7	323.3	323.3	336.1	326.5	275.3	227.3
1613.4	72.5°	986.0	396.9	262.5	249.7	233.7	230.5	281.7	272.1	220.9	176.1
803.5	75°	515.4	265.7	192.1	179.3	140.9	169.7	224.1	211.3	156.9	115.2
531.4	77.5°	336.1	188.9	131.2	115.2	80.0	112.0	166.5	147.3	92.8	57.6
348.9	80°	211.3	124.8	76.8	54.4	38.4	60.8	89.6	64.0	35.2	12.8
204.9	82.5°	112.0	64.0	28.8	19.2	16.0	19.2	22.4	16.0	6.4	0.0
105.6	85°	44.8	22.4	9.6	6.4	3.2	0.0	6.4	3.2	0.0	0.0
19.2	87.5°	16.0	3.2	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°
6331.9
5915.7
4952.2
3690.9
2490.5
2016.7
1965.5
1936.7
1891.9
1847.1
1818.2
1795.8
1773.4
1751.0
1735.0
1715.8
1655.0
1520.5
1344.5
1162.0
998.8
854.7
736.3
624.2
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409.7
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