

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: P847767

Luminaire Tested: **GLAN-SB4A-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847767
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-SB4A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 350mA 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: 13836 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

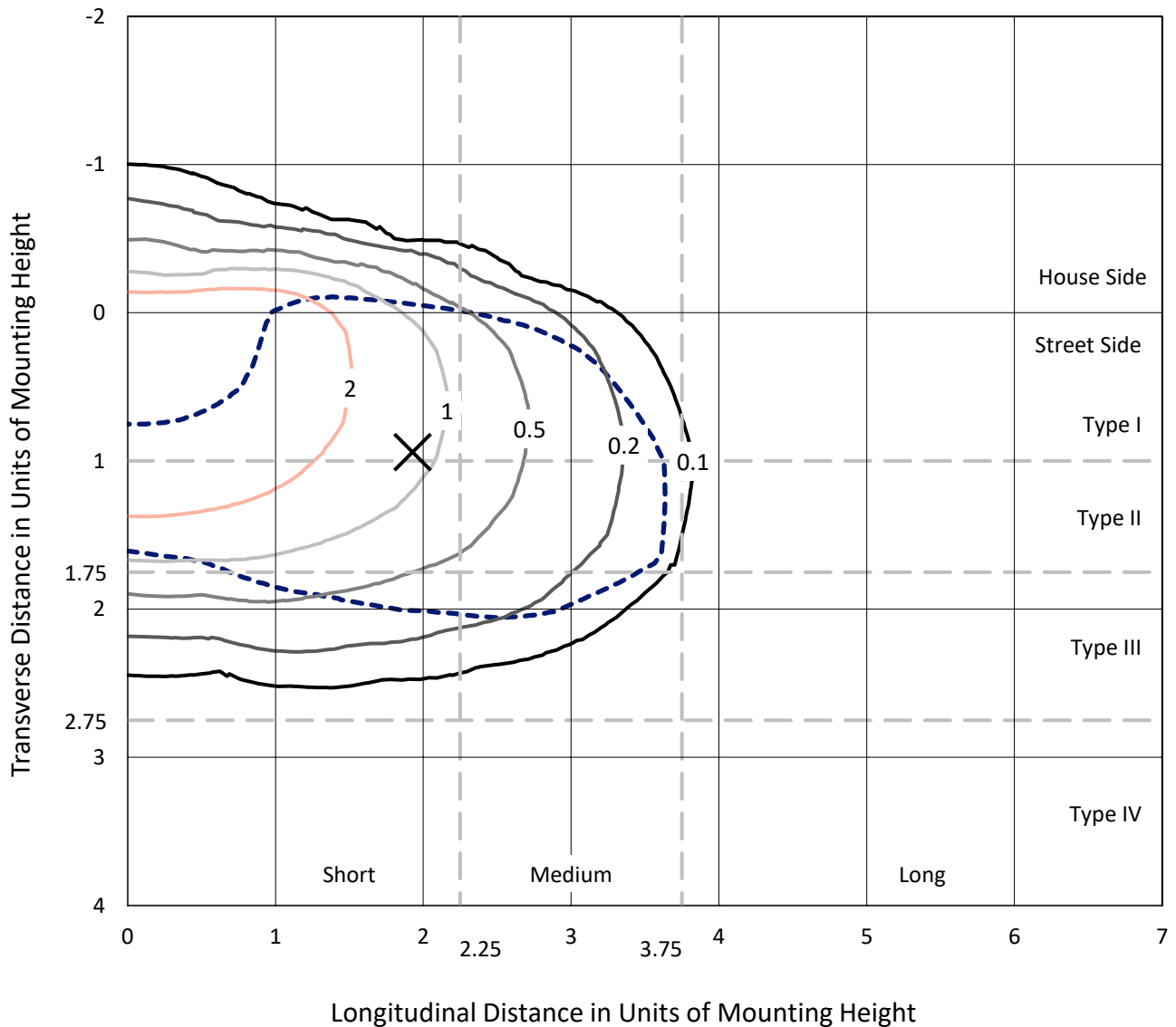
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

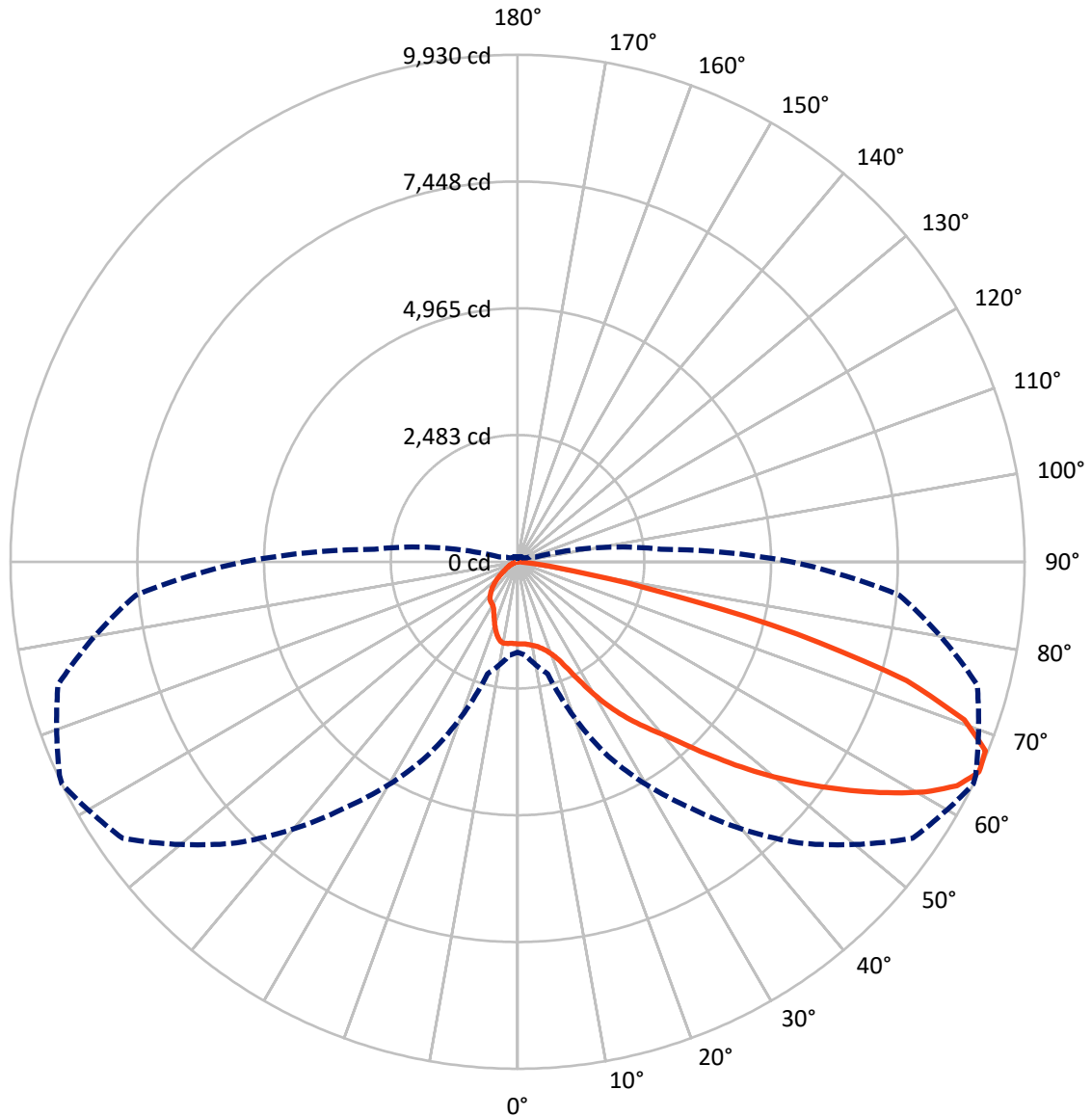
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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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	1850.3	0.0	1850.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11985.7	0.0	11985.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	13836.0	0.0	13836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	1.1
10°-20°	402.7	2.9
20°-30°	763.1	5.5
30°-40°	1544.1	11.2
40°-50°	2630.4	19.0
50°-60°	3577.1	25.9
60°-70°	3359.1	24.3
70°-80°	1345.8	9.7
80°-90°	65.2	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°	13836.0	100.0
0°-180°	13836.0	100.0

Coefficient of Utilization



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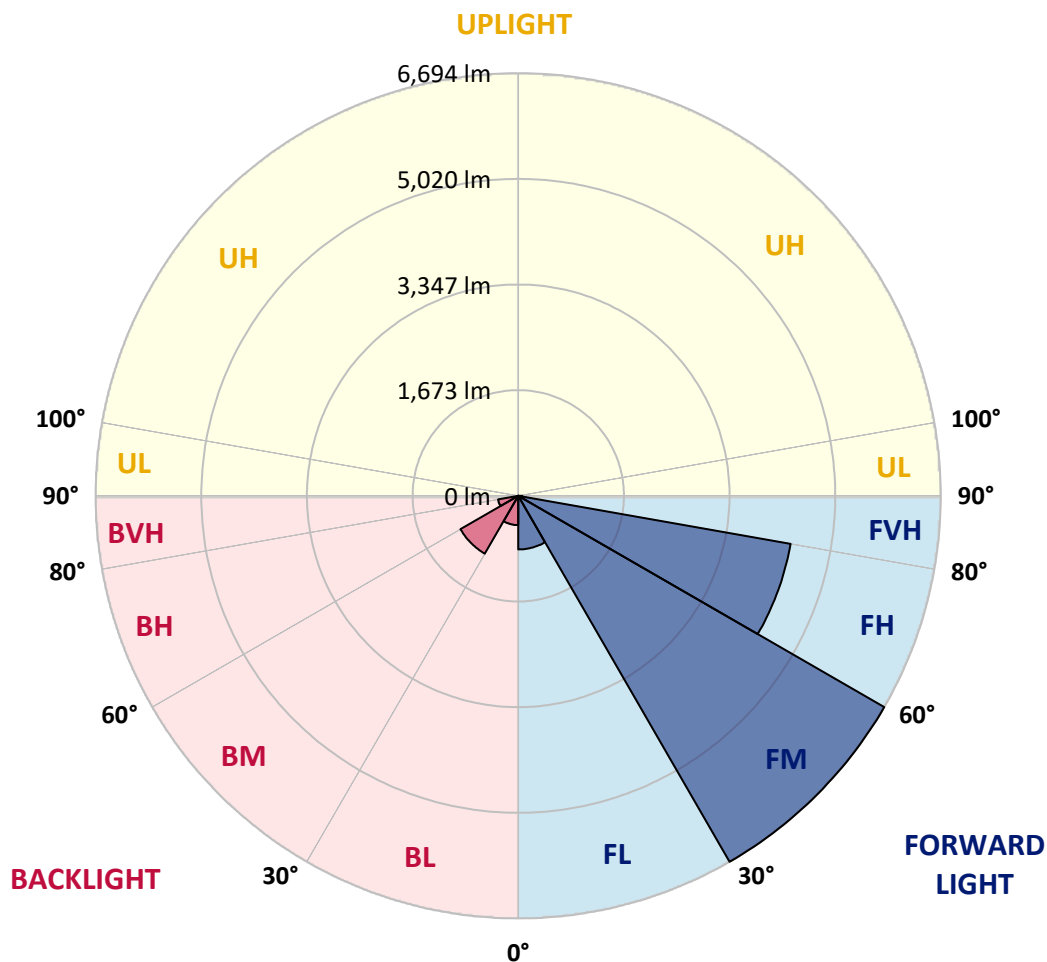
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	849.7	6.1			
FM (30°-60°)	6693.8	48.4			
FH (60°-80°)	4380.2	31.7			G2/5000
FVH (80°-90°)	62.0	0.4			G1/100
BL (0°-30°)	464.6	3.4	B1/500		
BM (30°-60°)	1057.8	7.6	B2/2500		
BH (60°-80°)	324.8	2.3	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3
2.5°	1603.7	1614.8	1612.1	1609.3	1608.3	1610.2	1611.1	1610.2	1610.2	1610.2
5°	1573.1	1582.4	1582.4	1588.9	1598.1	1609.3	1617.6	1619.5	1621.3	1624.1
7.5°	1514.7	1522.1	1527.6	1549.0	1572.2	1601.9	1626.9	1639.9	1641.7	1651.9
10°	1474.8	1484.1	1493.3	1515.6	1549.0	1593.5	1636.2	1667.7	1672.3	1696.5
12.5°	1472.9	1482.2	1494.3	1518.4	1557.3	1604.6	1656.6	1702.0	1710.4	1745.6
15°	1492.4	1503.5	1514.7	1544.3	1586.1	1643.6	1699.2	1755.8	1764.2	1814.3
17.5°	1532.3	1547.1	1555.5	1585.2	1629.7	1693.7	1767.0	1831.9	1839.3	1897.7
20°	1611.1	1628.7	1631.5	1655.6	1699.2	1767.9	1855.1	1935.8	1945.0	2011.8
22.5°	1774.4	1799.4	1777.2	1789.2	1828.2	1896.8	1991.4	2093.4	2106.4	2182.5
25°	2061.9	2097.2	2039.6	2019.2	2035.9	2107.4	2226.1	2355.0	2369.8	2431.1
27.5°	2626.8	2581.3	2494.1	2408.8	2358.7	2399.5	2533.1	2692.6	2711.2	2770.5
30°	3247.3	3207.4	3089.6	2900.4	2781.7	2775.2	2898.5	3076.6	3098.0	3154.5
32.5°	3868.7	3830.7	3702.7	3469.9	3264.0	3162.0	3247.3	3444.9	3456.0	3492.2
35°	4480.0	4441.0	4313.0	4074.7	3821.4	3589.6	3572.9	3795.5	3799.2	3837.2
37.5°	5094.9	5062.5	4926.1	4692.4	4442.9	4122.9	3968.0	4127.5	4132.2	4169.3
40°	5533.7	5547.6	5453.9	5273.0	5058.8	4709.1	4411.3	4480.9	4453.1	4515.2
42.5°	5910.2	5938.1	5856.4	5765.5	5641.3	5333.3	4960.4	4948.4	4903.9	4937.3
45°	6235.8	6259.0	6185.7	6164.4	6161.6	5945.5	5560.6	5488.2	5426.1	5419.6
47.5°	6355.5	6400.0	6431.5	6502.9	6642.1	6551.2	6181.1	6068.9	5999.3	5948.3
50°	6400.9	6448.2	6555.8	6763.6	7092.8	7131.8	6798.8	6672.7	6587.3	6494.6
52.5°	6339.7	6424.1	6568.8	6918.5	7396.2	7597.4	7391.5	7281.1	7183.7	7032.6
55°	5978.9	6063.3	6359.2	6916.6	7547.3	7923.9	7951.7	7902.6	7793.1	7554.8
57.5°	5218.3	5343.5	5811.9	6681.0	7544.6	8205.0	8500.8	8536.1	8413.7	8072.3
60°	4164.6	4334.4	4905.7	6158.8	7311.7	8357.1	8982.2	9158.5	9028.6	8582.5
62.5°	2906.0	3102.6	3643.4	5340.7	6779.3	8247.6	9333.8	9659.3	9561.0	9038.8
65°	1772.5	1835.6	2271.5	4202.7	5874.1	7789.4	9442.3	9930.2	9897.7	9318.0
67.5°	1180.8	1233.6	1358.8	2881.8	4559.8	6874.0	9182.6	9882.9	9892.1	9272.6
70°	711.4	756.9	838.5	1676.1	2955.1	5440.9	8378.4	9280.0	9333.8	8665.0
72.5°	293.1	323.7	397.9	759.6	1530.4	3453.2	6671.7	7967.5	8092.7	7285.8
75°	166.0	181.8	233.7	381.2	664.1	1609.3	4041.3	5656.1	5840.7	5021.7
77.5°	110.4	117.8	151.2	246.7	373.8	549.1	1727.1	2946.8	3299.2	2742.7
80°	74.2	80.7	103.9	165.1	243.0	235.6	550.0	1091.7	1343.1	942.4
82.5°	50.1	51.0	74.2	108.5	154.0	114.1	162.3	339.5	426.7	272.7
85°	28.8	27.8	54.7	63.1	68.6	47.3	49.2	102.0	133.6	115.0
87.5°	3.7	5.6	21.3	16.7	9.3	10.2	10.2	17.6	26.0	27.8
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°
1609.3	0°	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3	1609.3
1611.1	2.5°	1611.1	1610.2	1607.4	1604.6	1598.1	1594.4	1596.3	1594.4	1593.5	1594.4
1623.2	5°	1623.2	1620.4	1613.0	1603.7	1590.7	1575.0	1564.7	1549.9	1536.0	1527.6
1655.6	7.5°	1655.6	1652.9	1642.7	1616.7	1575.0	1509.1	1448.8	1395.9	1356.1	1332.9
1707.6	10°	1707.6	1703.0	1687.2	1629.7	1520.2	1376.5	1256.8	1157.6	1092.6	1062.0
1768.8	12.5°	1768.8	1763.2	1735.4	1617.6	1416.3	1191.9	1026.8	916.4	856.1	829.2
1839.3	15°	1841.2	1833.7	1779.0	1560.1	1265.2	987.8	836.6	754.1	715.1	691.0
1929.3	17.5°	1931.1	1918.1	1811.5	1473.9	1101.0	832.0	719.8	657.6	623.3	600.1
2047.1	20°	2048.0	2026.7	1837.4	1370.9	949.8	733.7	640.9	589.0	563.0	542.6
2214.0	22.5°	2211.2	2180.6	1869.0	1259.6	843.1	666.0	582.5	544.5	523.1	499.9
2446.8	25°	2413.4	2377.3	1907.9	1156.6	769.9	607.5	539.8	508.3	483.2	456.3
2752.0	27.5°	2696.3	2631.4	1954.3	1072.2	706.8	557.4	500.9	465.6	436.9	414.6
3098.0	30°	3011.7	2905.0	1995.1	1021.2	649.3	511.1	449.9	414.6	387.7	371.9
3408.7	32.5°	3310.4	3165.7	2022.0	999.0	597.3	458.2	394.2	356.2	335.8	331.1
3712.9	35°	3592.3	3401.3	2019.2	977.6	551.0	405.3	339.5	300.5	284.8	287.5
4040.3	37.5°	3917.0	3652.6	1999.8	944.2	512.9	357.1	292.2	257.9	243.9	244.9
4438.2	40°	4294.5	3942.9	1987.7	881.2	471.2	312.6	253.2	225.4	215.2	211.5
4857.5	42.5°	4697.0	4224.0	1989.6	809.7	419.2	272.7	226.3	203.1	193.9	191.1
5324.0	45°	5101.4	4492.0	1992.3	735.5	364.5	242.1	206.8	187.4	181.8	178.1
5797.1	47.5°	5481.7	4720.2	1940.4	655.8	310.7	218.9	191.1	178.1	173.4	168.8
6272.0	50°	5836.0	4872.3	1815.2	563.0	268.1	200.3	179.0	169.7	165.1	160.5
6702.4	52.5°	6111.5	4896.4	1608.3	467.5	238.4	186.4	171.6	163.2	157.7	153.0
7050.2	55°	6234.0	4745.3	1314.3	378.4	215.2	174.4	164.2	155.8	149.3	144.7
7323.8	57.5°	6202.4	4427.1	1024.9	304.2	192.9	162.3	154.9	149.3	141.9	134.5
7545.5	60°	6047.5	4001.4	772.6	253.2	172.5	149.3	144.7	140.1	129.9	118.7
7630.8	62.5°	5779.5	3466.2	551.0	209.6	150.3	134.5	132.6	128.9	114.1	93.7
7504.7	65°	5369.5	2816.0	371.0	174.4	128.9	117.8	118.7	112.2	92.8	69.6
7042.8	67.5°	4770.3	2059.1	237.4	142.8	107.6	98.3	99.2	95.5	78.8	59.4
6167.2	70°	4006.9	1363.5	154.9	108.5	86.3	76.1	81.6	82.6	66.8	48.2
4733.2	72.5°	2937.5	805.1	108.5	80.7	63.1	52.9	66.8	68.6	53.8	36.2
2847.5	75°	1674.2	382.1	81.6	58.4	39.0	37.1	51.9	51.9	37.1	24.1
1232.7	77.5°	703.1	159.5	57.5	38.0	22.3	21.3	35.2	32.5	18.6	11.1
300.5	80°	203.1	71.4	30.6	18.6	9.3	8.3	13.9	10.2	4.6	1.9
114.1	82.5°	79.8	31.5	12.1	7.4	3.7	3.7	1.9	0.0	0.0	0.0
64.9	85°	47.3	13.0	5.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
13.9	87.5°	12.1	2.8	1.9	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°
1609.3
1598.1
1529.5
1333.8
1059.2
826.4
691.9
598.3
538.9
496.2
453.6
410.0
369.2
333.9
287.5
248.6
210.6
190.1
178.1
168.8
160.5
152.1
143.8
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