

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: P848507

Luminaire Tested: **GLAN-SB5A-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848507
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-SB5A-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 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: 14714 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

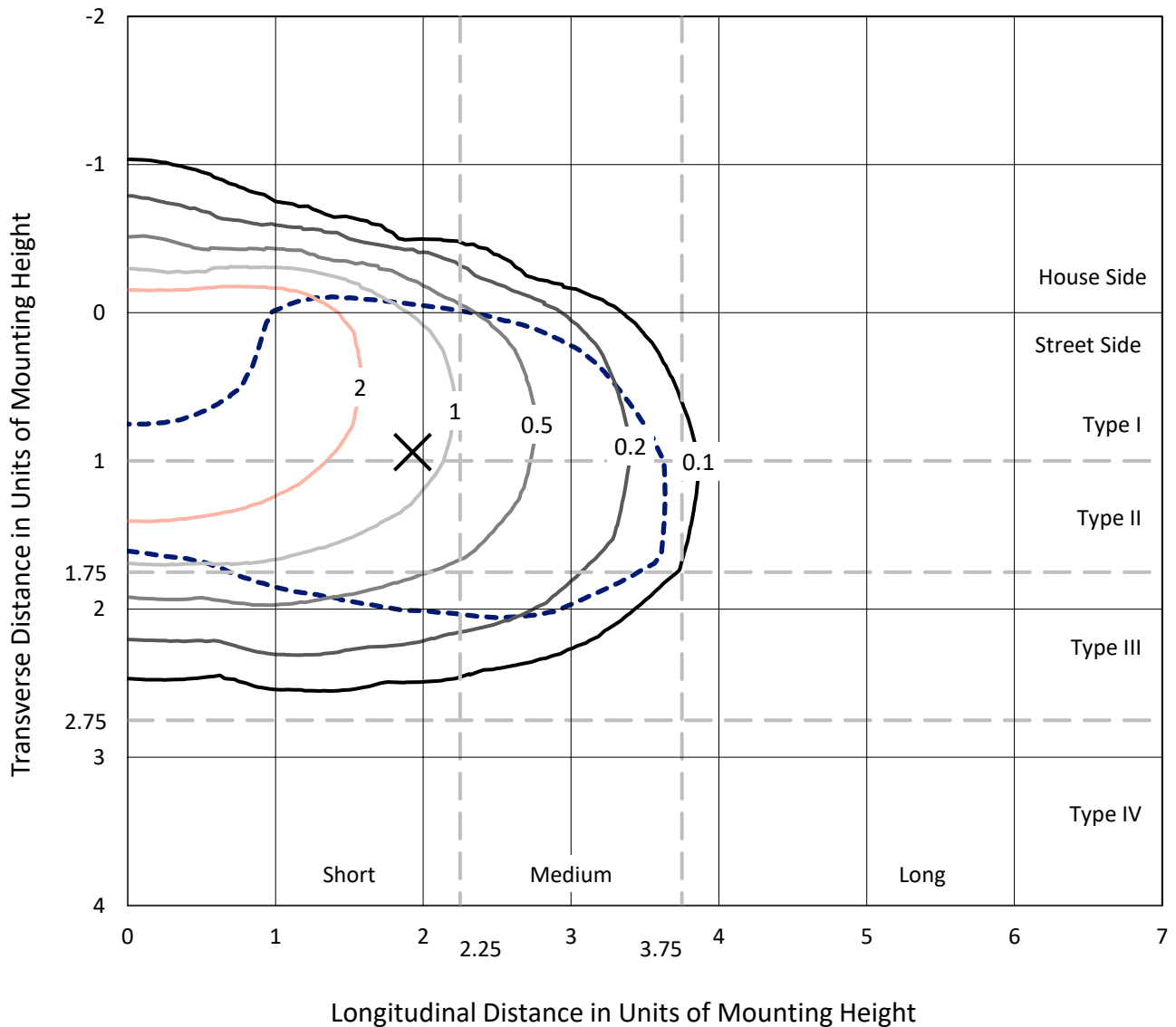
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

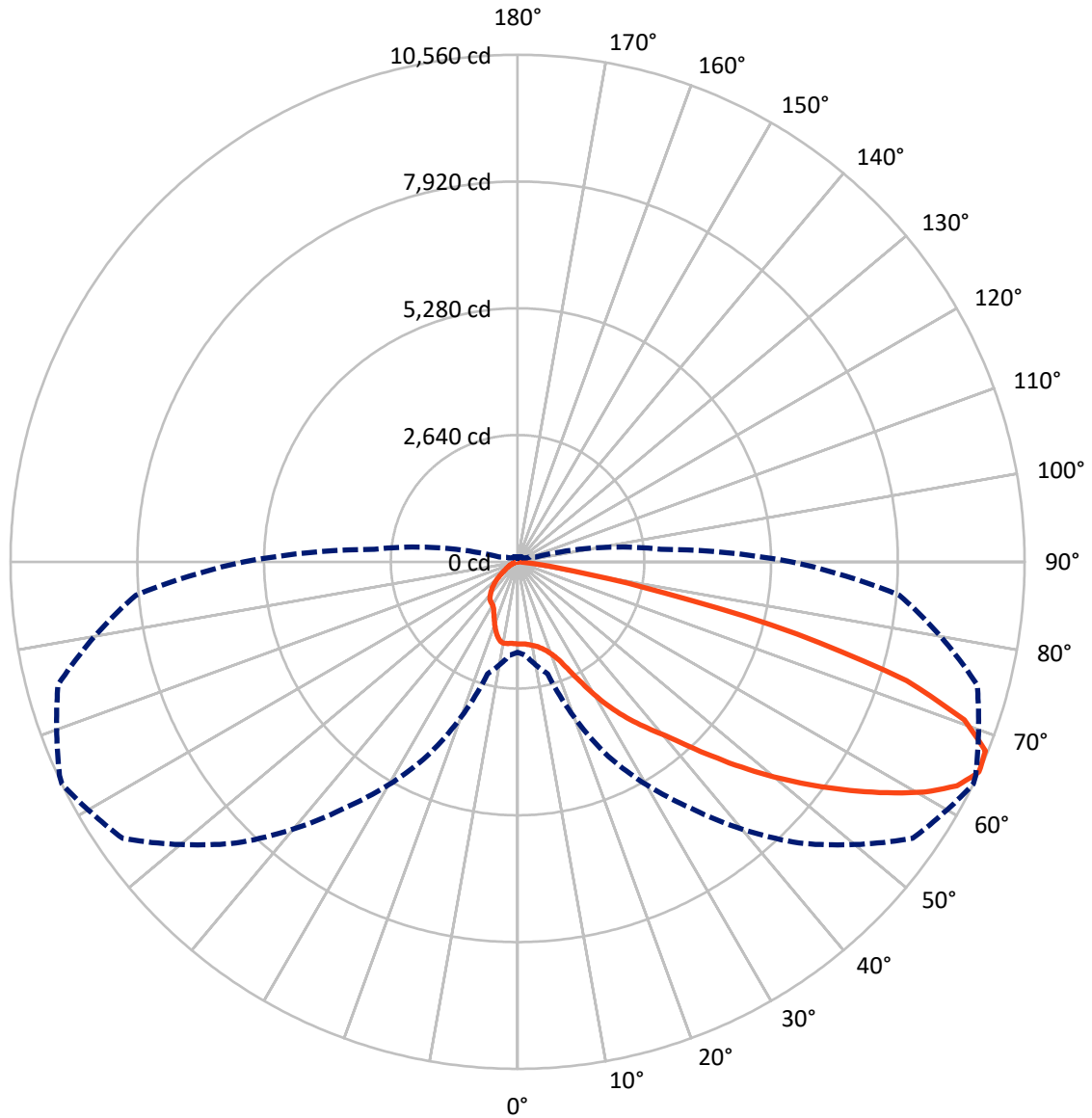
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	1967.7	0.0	1967.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12746.3	0.0	12746.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	14714.0	0.0	14714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	1.1
10°-20°	428.3	2.9
20°-30°	811.5	5.5
30°-40°	1642.1	11.2
40°-50°	2797.3	19.0
50°-60°	3804.1	25.9
60°-70°	3572.3	24.3
70°-80°	1431.2	9.7
80°-90°	69.3	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°	14714.0	100.0
0°-180°	14714.0	100.0

Coefficient of Utilization



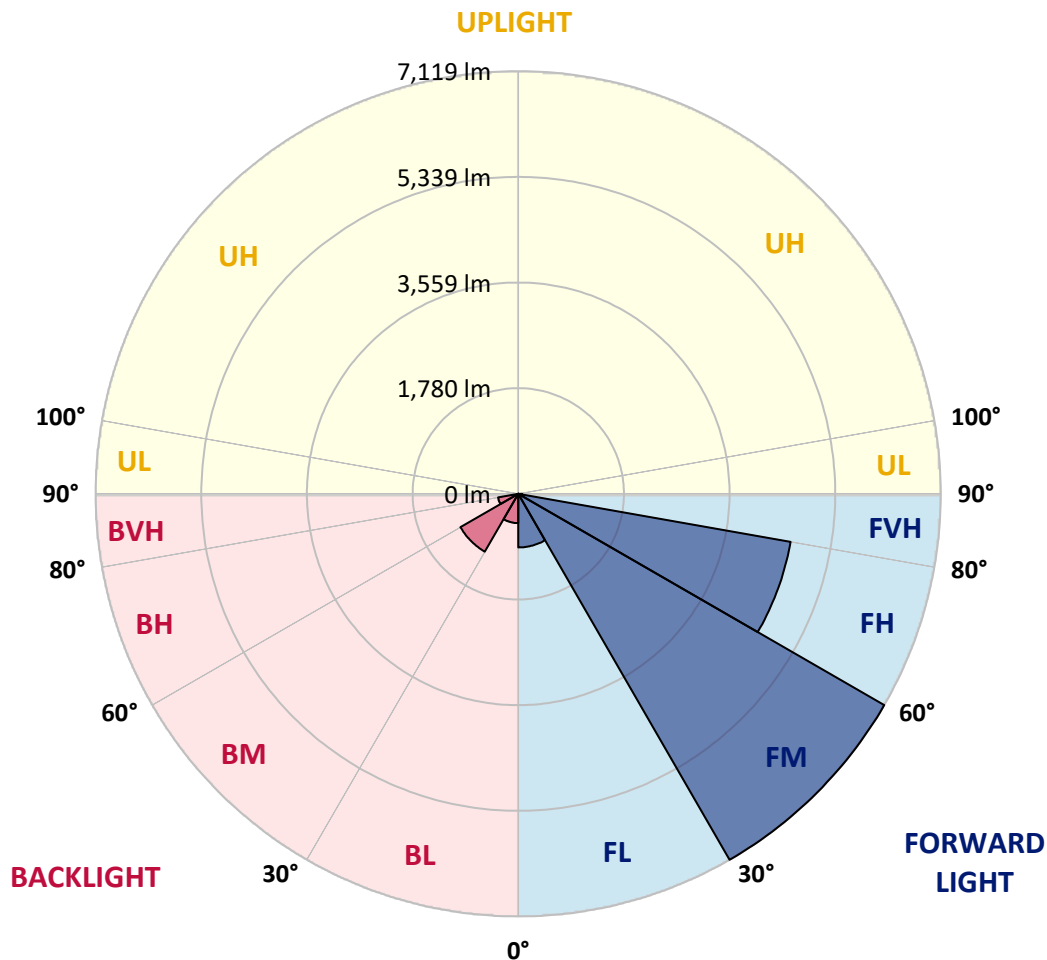
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	903.6	6.1			
FM (30°-60°)	7118.6	48.4			
FH (60°-80°)	4658.1	31.7			G2/5000
FVH (80°-90°)	66.0	0.4			G1/100
BL (0°-30°)	494.0	3.4	B1/500		
BM (30°-60°)	1124.9	7.6	B2/2500		
BH (60°-80°)	345.4	2.3	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4
2.5°	1705.5	1717.3	1714.4	1711.4	1710.4	1712.4	1713.4	1712.4	1712.4	1712.4
5°	1672.9	1682.8	1682.8	1689.7	1699.6	1711.4	1720.3	1722.2	1724.2	1727.2
7.5°	1610.8	1618.7	1624.6	1647.3	1671.9	1703.5	1730.1	1743.9	1745.9	1756.8
10°	1568.4	1578.2	1588.1	1611.8	1647.3	1694.6	1740.0	1773.5	1778.5	1804.1
12.5°	1566.4	1576.3	1589.1	1614.7	1656.2	1706.5	1761.7	1810.0	1818.9	1856.4
15°	1587.1	1598.9	1610.8	1642.3	1686.7	1747.9	1807.1	1867.2	1876.1	1929.4
17.5°	1629.5	1645.3	1654.2	1685.7	1733.1	1801.2	1879.1	1948.1	1956.0	2018.2
20°	1713.4	1732.1	1735.1	1760.7	1807.1	1880.1	1972.8	2058.6	2068.5	2139.5
22.5°	1887.0	1913.6	1889.9	1902.8	1944.2	2017.2	2117.8	2226.3	2240.1	2321.0
25°	2192.8	2230.2	2169.1	2147.4	2165.1	2241.1	2367.3	2504.5	2520.2	2585.3
27.5°	2793.5	2745.1	2652.4	2561.7	2508.4	2551.8	2693.8	2863.5	2883.2	2946.4
30°	3453.4	3410.9	3285.7	3084.4	2958.2	2951.3	3082.5	3271.9	3294.6	3354.7
32.5°	4114.2	4073.8	3937.7	3690.1	3471.1	3362.6	3453.4	3663.5	3675.3	3713.8
35°	4764.3	4722.8	4586.7	4333.2	4063.9	3817.3	3799.6	4036.3	4040.3	4080.7
37.5°	5418.3	5383.7	5238.7	4990.2	4724.8	4384.5	4219.8	4389.4	4394.4	4433.8
40°	5884.8	5899.6	5800.0	5607.6	5379.8	5007.9	4691.3	4765.3	4735.7	4801.8
42.5°	6285.3	6314.9	6228.1	6131.4	5999.2	5671.8	5275.2	5262.4	5215.1	5250.6
45°	6631.5	6656.2	6578.3	6555.6	6552.6	6322.8	5913.4	5836.5	5770.4	5763.5
47.5°	6758.8	6806.1	6839.6	6915.6	7063.6	6966.9	6573.3	6454.0	6380.0	6325.7
50°	6807.1	6857.4	6971.8	7192.8	7542.9	7584.4	7230.3	7096.1	7005.4	6906.7
52.5°	6742.0	6831.8	6985.6	7357.5	7865.5	8079.5	7860.6	7743.2	7639.6	7478.8
55°	6358.3	6448.0	6762.7	7355.5	8026.3	8426.8	8456.3	8404.1	8287.7	8034.2
57.5°	5549.4	5682.6	6180.7	7105.0	8023.3	8725.6	9040.3	9077.8	8947.6	8584.6
60°	4428.9	4609.4	5217.0	6549.6	7775.7	8887.4	9552.2	9739.6	9601.5	9127.1
62.5°	3090.4	3299.5	3874.5	5679.6	7209.5	8771.0	9926.1	10272.3	10167.7	9612.4
65°	1885.0	1952.1	2415.7	4469.3	6246.8	8283.7	10041.5	10560.3	10525.8	9909.3
67.5°	1255.7	1311.9	1445.1	3064.7	4849.1	7310.2	9765.3	10510.0	10519.9	9861.0
70°	756.6	804.9	891.7	1782.4	3142.6	5786.2	8910.1	9868.9	9926.1	9214.9
72.5°	311.7	344.3	423.2	807.9	1627.5	3672.3	7095.1	8473.1	8606.3	7748.1
75°	176.6	193.3	248.6	405.4	706.3	1711.4	4297.7	6015.0	6211.3	5340.3
77.5°	117.4	125.3	160.8	262.4	397.5	583.9	1836.7	3133.8	3508.6	2916.8
80°	78.9	85.8	110.5	175.6	258.4	250.5	584.9	1161.0	1428.3	1002.2
82.5°	53.3	54.3	78.9	115.4	163.7	121.3	172.6	361.0	453.7	290.0
85°	30.6	29.6	58.2	67.1	73.0	50.3	52.3	108.5	142.0	122.3
87.5°	3.9	5.9	22.7	17.8	9.9	10.9	10.9	18.7	27.6	29.6
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°
1711.4	0°	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4
1713.4	2.5°	1713.4	1712.4	1709.4	1706.5	1699.6	1695.6	1697.6	1695.6	1694.6	1695.6
1726.2	5°	1726.2	1723.2	1715.3	1705.5	1691.7	1674.9	1664.0	1648.3	1633.5	1624.6
1760.7	7.5°	1760.7	1757.8	1746.9	1719.3	1674.9	1604.9	1540.7	1484.5	1442.1	1417.4
1815.9	10°	1815.9	1811.0	1794.2	1733.1	1616.7	1463.8	1336.6	1231.0	1162.0	1129.4
1881.1	12.5°	1881.1	1875.1	1845.5	1720.3	1506.2	1267.5	1091.9	974.6	910.4	881.8
1956.0	15°	1958.0	1950.1	1891.9	1659.1	1345.4	1050.5	889.7	801.9	760.5	734.9
2051.7	17.5°	2053.7	2039.9	1926.4	1567.4	1170.8	884.8	765.4	699.4	662.9	638.2
2177.0	20°	2178.0	2155.3	1954.0	1457.9	1010.1	780.2	681.6	626.4	598.7	577.0
2354.5	22.5°	2351.6	2319.0	1987.6	1339.5	896.6	708.2	619.5	579.0	556.3	531.7
2602.1	25°	2566.6	2528.1	2029.0	1230.0	818.7	646.1	574.1	540.5	513.9	485.3
2926.6	27.5°	2867.4	2798.4	2078.3	1140.3	751.6	592.8	532.7	495.2	464.6	440.9
3294.6	30°	3202.8	3089.4	2121.7	1086.0	690.5	543.5	478.4	440.9	412.3	395.5
3625.0	32.5°	3520.4	3366.6	2150.3	1062.3	635.2	487.3	419.2	378.8	357.1	352.1
3948.5	35°	3820.3	3617.1	2147.4	1039.7	585.9	431.1	361.0	319.6	302.8	305.8
4296.7	37.5°	4165.5	3884.4	2126.7	1004.1	545.5	379.8	310.7	274.2	259.4	260.4
4719.9	40°	4567.0	4193.2	2113.8	937.1	501.1	332.4	269.3	239.7	228.8	224.9
5165.7	42.5°	4995.1	4492.0	2115.8	861.1	445.8	290.0	240.7	216.0	206.2	203.2
5661.9	45°	5425.2	4777.1	2118.8	782.2	387.7	257.4	220.0	199.3	193.3	189.4
6165.0	47.5°	5829.6	5019.8	2063.5	697.4	330.4	232.8	203.2	189.4	184.5	179.5
6670.0	50°	6206.4	5181.5	1930.4	598.7	285.1	213.1	190.4	180.5	175.6	170.6
7127.7	52.5°	6499.3	5207.2	1710.4	497.1	253.5	198.3	182.5	173.6	167.7	162.8
7497.6	55°	6629.5	5046.4	1397.7	402.4	228.8	185.4	174.6	165.7	158.8	153.9
7788.6	57.5°	6596.0	4708.1	1090.0	323.5	205.2	172.6	164.7	158.8	150.9	143.0
8024.3	60°	6431.3	4255.3	821.7	269.3	183.5	158.8	153.9	148.9	138.1	126.3
8115.1	62.5°	6146.2	3686.1	585.9	222.9	159.8	143.0	141.1	137.1	121.3	99.6
7980.9	65°	5710.2	2994.7	394.6	185.4	137.1	125.3	126.3	119.4	98.6	74.0
7489.7	67.5°	5073.0	2189.8	252.5	151.9	114.4	104.6	105.5	101.6	83.8	63.1
6558.5	70°	4261.2	1450.0	164.7	115.4	91.7	80.9	86.8	87.8	71.0	51.3
5033.6	72.5°	3123.9	856.2	115.4	85.8	67.1	56.2	71.0	73.0	57.2	38.5
3028.2	75°	1780.4	406.4	86.8	62.1	41.4	39.5	55.2	55.2	39.5	25.6
1310.9	77.5°	747.7	169.7	61.2	40.4	23.7	22.7	37.5	34.5	19.7	11.8
319.6	80°	216.0	76.0	32.6	19.7	9.9	8.9	14.8	10.9	4.9	2.0
121.3	82.5°	84.8	33.5	12.8	7.9	3.9	3.9	2.0	0.0	0.0	0.0
69.0	85°	50.3	13.8	5.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0
14.8	87.5°	12.8	3.0	2.0	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°
1711.4
1699.6
1626.6
1418.4
1126.5
878.9
735.8
636.2
573.1
527.7
482.3
436.0
392.6
355.1
305.8
264.4
223.9
202.2
189.4
179.5
170.6
161.8
152.9
142.0
124.3
97.7
72.0
60.2
49.3
36.5
23.7
11.8
2.0
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