

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: P852504

Luminaire Tested: **GLAN-SB4B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852504
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-SB4B-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 450mA 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: 13624 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

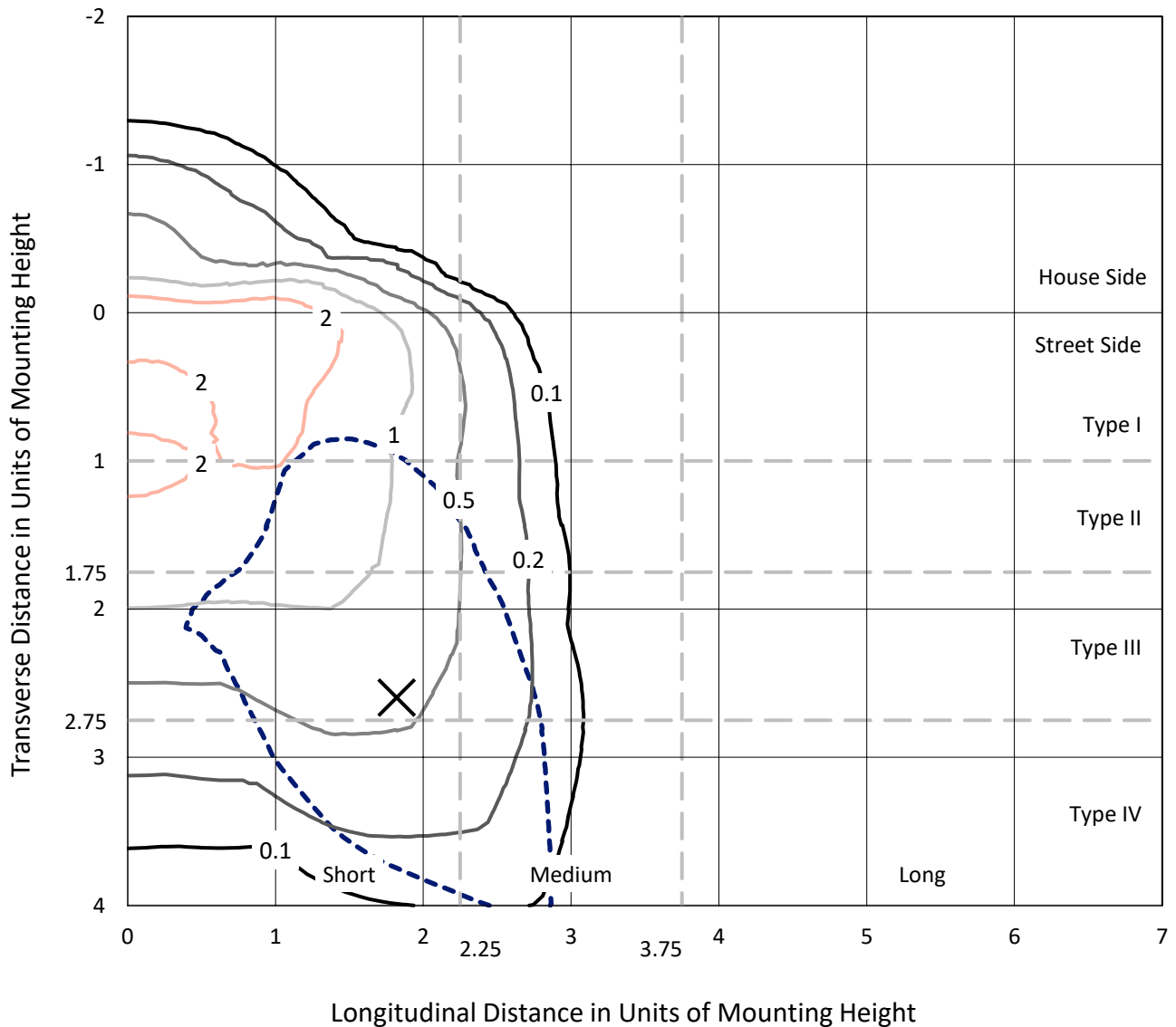
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

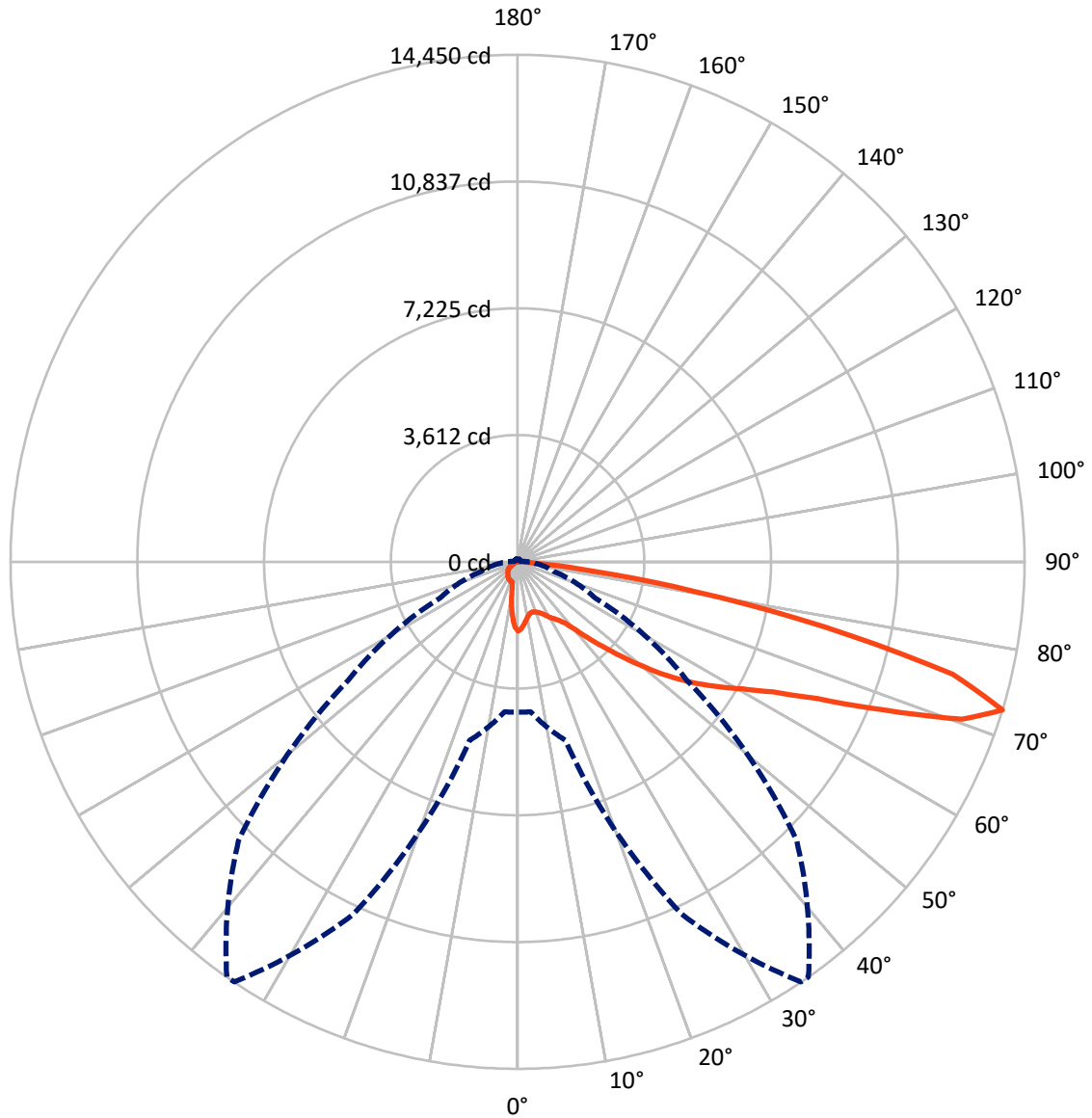
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	1533.3	0.0	1533.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12090.7	0.0	12090.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	13624.0	0.0	13624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	1.2
10°-20°	379.6	2.8
20°-30°	616.6	4.5
30°-40°	1028.8	7.6
40°-50°	1946.6	14.3
50°-60°	3093.1	22.7
60°-70°	3826.4	28.1
70°-80°	2378.5	17.5
80°-90°	192.2	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°	13624.0	100.0
0°-180°	13624.0	100.0

Coefficient of Utilization



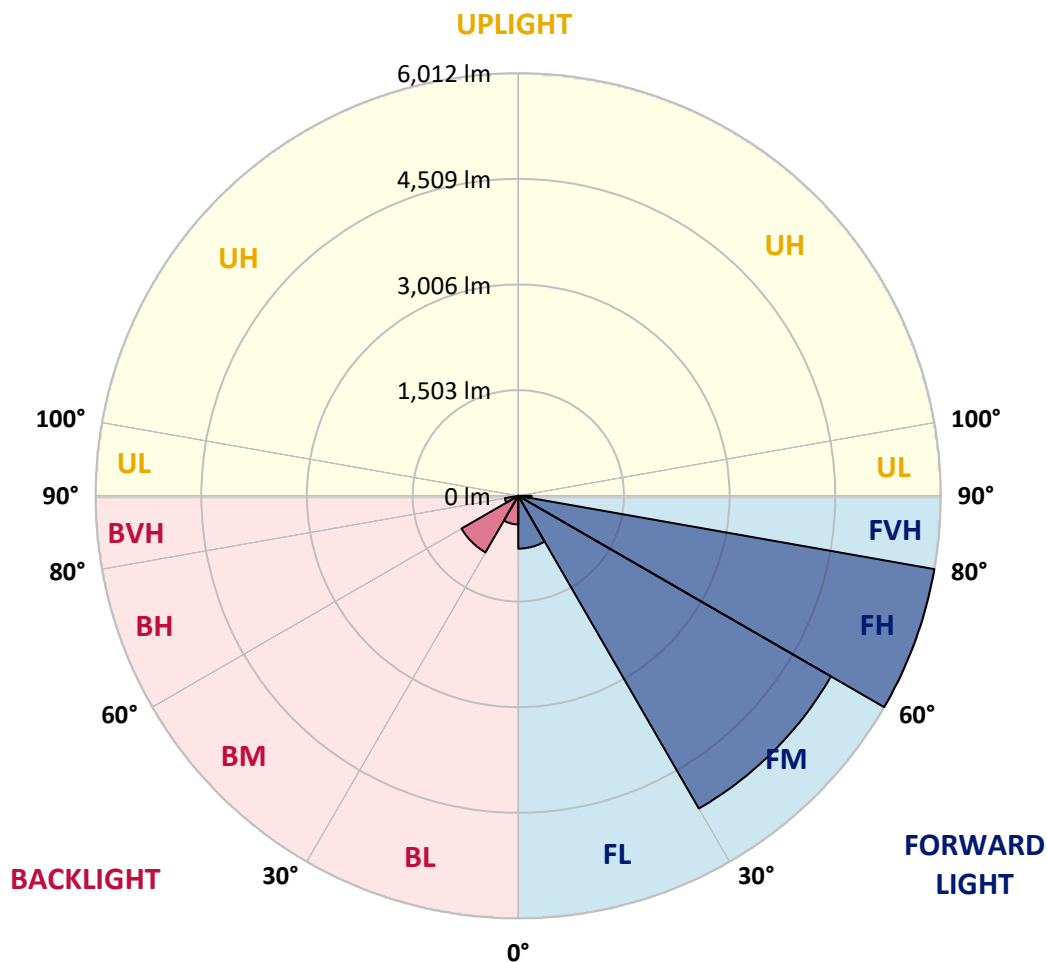
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.0	5.5			
FM (30°-60°)	5137.6	37.7			
FH (60°-80°)	6012.4	44.1			G3/7500
FVH (80°-90°)	189.6	1.4			G2/225
BL (0°-30°)	407.4	3.0	B1/500		
BM (30°-60°)	930.9	6.8	B1/1000		
BH (60°-80°)	192.4	1.4	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6
2.5°	1886.7	1902.7	1905.7	1910.7	1910.7	1916.7	1926.7	1940.6	1963.6	1975.6
5°	1739.0	1751.0	1765.9	1777.9	1800.9	1803.9	1842.8	1880.7	1933.6	1973.6
7.5°	1590.2	1604.2	1624.2	1653.1	1683.1	1692.1	1751.0	1814.9	1898.7	1973.6
10°	1485.4	1486.4	1504.4	1533.3	1581.3	1592.2	1664.1	1755.0	1859.8	1961.6
12.5°	1426.5	1433.5	1441.5	1463.5	1509.4	1516.4	1593.2	1700.1	1820.8	1954.6
15°	1426.5	1431.5	1436.5	1447.5	1484.4	1490.4	1558.3	1665.1	1800.9	1957.6
17.5°	1441.5	1449.5	1445.5	1458.5	1497.4	1501.4	1561.3	1655.1	1799.9	1976.6
20°	1477.4	1483.4	1475.4	1483.4	1522.4	1530.3	1592.2	1674.1	1816.8	2009.5
22.5°	1534.3	1537.3	1518.4	1524.4	1564.3	1574.3	1646.1	1728.0	1857.8	2062.4
25°	1606.2	1612.2	1583.3	1590.2	1628.2	1640.2	1723.0	1808.9	1922.7	2135.3
27.5°	1689.1	1692.1	1667.1	1666.1	1715.0	1732.0	1815.8	1908.7	2009.5	2227.1
30°	1783.9	1792.9	1768.9	1764.9	1826.8	1840.8	1923.7	2031.5	2137.3	2364.9
32.5°	1858.8	1865.8	1851.8	1861.8	1924.7	1935.6	2054.4	2205.2	2337.9	2560.6
35°	1966.6	1970.6	1938.6	1956.6	2028.5	2056.4	2233.1	2448.8	2590.5	2806.1
37.5°	2356.9	2356.9	2221.1	2132.3	2201.2	2226.1	2477.7	2755.2	2902.0	3135.6
40°	2897.0	2888.0	2689.3	2507.6	2498.7	2547.6	2826.1	3141.5	3304.3	3530.9
42.5°	3473.0	3459.0	3188.5	3008.8	2978.8	2995.8	3228.4	3617.7	3783.4	4013.0
45°	3984.1	3980.1	3732.5	3490.9	3437.0	3490.9	3730.5	4174.8	4293.6	4535.1
47.5°	4412.3	4412.3	4231.7	4073.9	4046.0	4077.9	4410.3	4792.7	4781.7	5091.2
50°	4905.5	4901.5	4729.8	4661.9	4690.9	4735.8	5193.0	5443.6	5286.8	5637.2
52.5°	5250.9	5274.8	5216.0	5205.0	5352.7	5430.6	5987.6	6080.5	5739.0	6155.3
55°	5524.4	5552.4	5620.2	5697.1	5981.6	6083.4	6757.3	6684.4	6117.4	6604.5
57.5°	5911.7	5871.8	5976.6	6128.4	6588.6	6711.4	7503.0	7254.4	6421.9	6968.9
60°	6381.9	6387.9	6405.9	6597.6	7194.5	7352.2	8237.7	7793.5	6617.5	7192.5
62.5°	6946.9	6955.9	6992.9	7287.4	8008.1	8156.8	9020.4	8234.7	6707.4	7129.6
65°	6908.0	6945.9	7358.2	8365.5	9245.0	9391.7	9933.8	8544.2	6571.6	6554.6
67.5°	6293.1	6355.0	7044.8	9653.3	11109.7	11273.4	11037.9	8605.1	5985.6	5097.2
70°	5486.5	5508.4	6338.0	10811.2	13269.0	13434.7	12026.1	7935.2	4542.1	2843.1
72.5°	4284.6	4289.6	5262.9	11079.8	14440.9	14449.9	11250.5	5890.8	2442.8	1092.1
75°	3060.7	3030.7	3524.9	8985.4	12705.0	12806.8	8434.4	2763.2	933.4	516.1
77.5°	1641.2	1674.1	1994.5	5328.8	8776.8	8950.5	4602.0	796.6	475.2	351.4
80°	507.1	535.1	817.6	2439.8	4971.4	5076.2	1706.0	354.4	331.4	250.6
82.5°	159.7	165.7	381.3	1025.2	2063.4	2111.3	494.1	200.7	226.6	165.7
85°	45.9	46.9	169.7	382.3	510.1	520.1	138.8	77.9	129.8	102.8
87.5°	5.0	16.0	63.9	63.9	44.9	43.9	15.0	17.0	36.9	13.0
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°
1974.6	0°	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6	1974.6
1983.6	2.5°	1978.6	1979.6	1966.6	1944.6	1920.7	1900.7	1875.7	1855.8	1841.8	1837.8
2001.5	5°	1992.5	1985.6	1948.6	1881.7	1801.9	1733.0	1656.1	1595.2	1555.3	1538.3
2020.5	7.5°	2013.5	1993.5	1912.7	1780.9	1628.2	1492.4	1354.6	1247.8	1180.0	1146.0
2038.5	10°	2031.5	1991.5	1852.8	1635.2	1401.6	1195.9	1010.2	881.5	809.6	775.7
2059.4	12.5°	2048.4	1990.5	1774.9	1462.5	1146.0	894.4	721.7	657.9	637.9	630.9
2093.4	15°	2080.4	1993.5	1677.1	1264.8	891.5	675.8	612.9	611.9	615.9	613.9
2145.3	17.5°	2124.3	1996.5	1566.3	1055.2	687.8	596.0	593.0	602.0	607.9	605.0
2210.2	20°	2181.2	2008.5	1448.5	847.5	591.0	576.0	583.0	591.0	596.0	591.0
2297.0	22.5°	2261.1	2029.5	1319.7	680.8	560.0	564.0	570.0	579.0	584.0	577.0
2407.8	25°	2358.9	2062.4	1192.9	592.0	545.1	550.0	559.0	569.0	575.0	568.0
2547.6	27.5°	2485.7	2115.3	1076.1	572.0	530.1	533.1	546.1	561.0	569.0	560.0
2746.2	30°	2669.4	2202.2	975.3	581.0	521.1	514.1	532.1	553.0	562.0	554.0
3016.8	32.5°	2912.9	2325.0	913.4	595.0	517.1	492.1	509.1	536.1	551.0	546.1
3370.2	35°	3232.4	2511.6	889.5	610.9	514.1	469.2	481.2	510.1	536.1	541.1
3815.4	37.5°	3619.7	2771.2	896.4	617.9	505.1	450.2	456.2	481.2	515.1	531.1
4316.5	40°	4060.0	3073.7	936.4	610.9	495.1	434.2	435.2	454.2	484.2	508.1
4855.6	42.5°	4514.2	3427.1	1010.2	585.0	486.2	420.3	417.3	430.3	450.2	467.2
5393.6	45°	4946.4	3790.4	1083.1	549.0	475.2	406.3	399.3	404.3	408.3	415.3
5917.7	47.5°	5323.8	4046.0	1062.2	516.1	460.2	390.3	378.3	376.3	364.4	363.4
6385.9	50°	5584.3	4101.9	943.4	483.2	438.2	372.4	353.4	341.4	320.4	310.5
6736.3	52.5°	5667.2	3881.3	770.7	450.2	402.3	348.4	321.4	302.5	276.5	267.5
6938.0	55°	5557.4	3449.0	615.9	410.3	352.4	316.5	286.5	261.5	240.6	229.6
6959.9	57.5°	5288.8	2899.0	487.2	363.4	299.5	280.5	250.6	225.6	207.6	196.7
6716.3	60°	4843.6	2302.0	385.3	307.5	255.6	241.6	210.6	194.7	178.7	165.7
6087.4	62.5°	4167.8	1643.1	302.5	243.6	213.6	197.7	179.7	167.7	148.7	130.8
4956.4	65°	3252.4	1005.3	233.6	178.7	171.7	163.7	152.7	141.8	118.8	100.8
3233.4	67.5°	2051.4	476.2	166.7	134.8	135.8	131.8	126.8	117.8	100.8	84.9
1448.5	70°	903.4	230.6	109.8	102.8	100.8	100.8	104.8	101.8	85.9	70.9
503.1	72.5°	307.5	123.8	81.9	77.9	72.9	71.9	87.8	84.9	68.9	54.9
250.6	75°	160.7	82.9	59.9	55.9	43.9	52.9	69.9	65.9	48.9	35.9
165.7	77.5°	104.8	58.9	40.9	35.9	25.0	34.9	51.9	45.9	28.9	18.0
108.8	80°	65.9	38.9	24.0	17.0	12.0	19.0	28.0	20.0	11.0	4.0
63.9	82.5°	34.9	20.0	9.0	6.0	5.0	6.0	7.0	5.0	2.0	0.0
32.9	85°	14.0	7.0	3.0	2.0	1.0	0.0	2.0	1.0	0.0	0.0
6.0	87.5°	5.0	1.0	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°
1974.6
1844.8
1544.3
1151.0
776.7
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612.9
604.0
590.0
576.0
567.0
560.0
553.0
546.1
541.1
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