

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: P852304

Luminaire Tested: **GLAN-SB2D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852304
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-SB2D-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 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: 12758 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

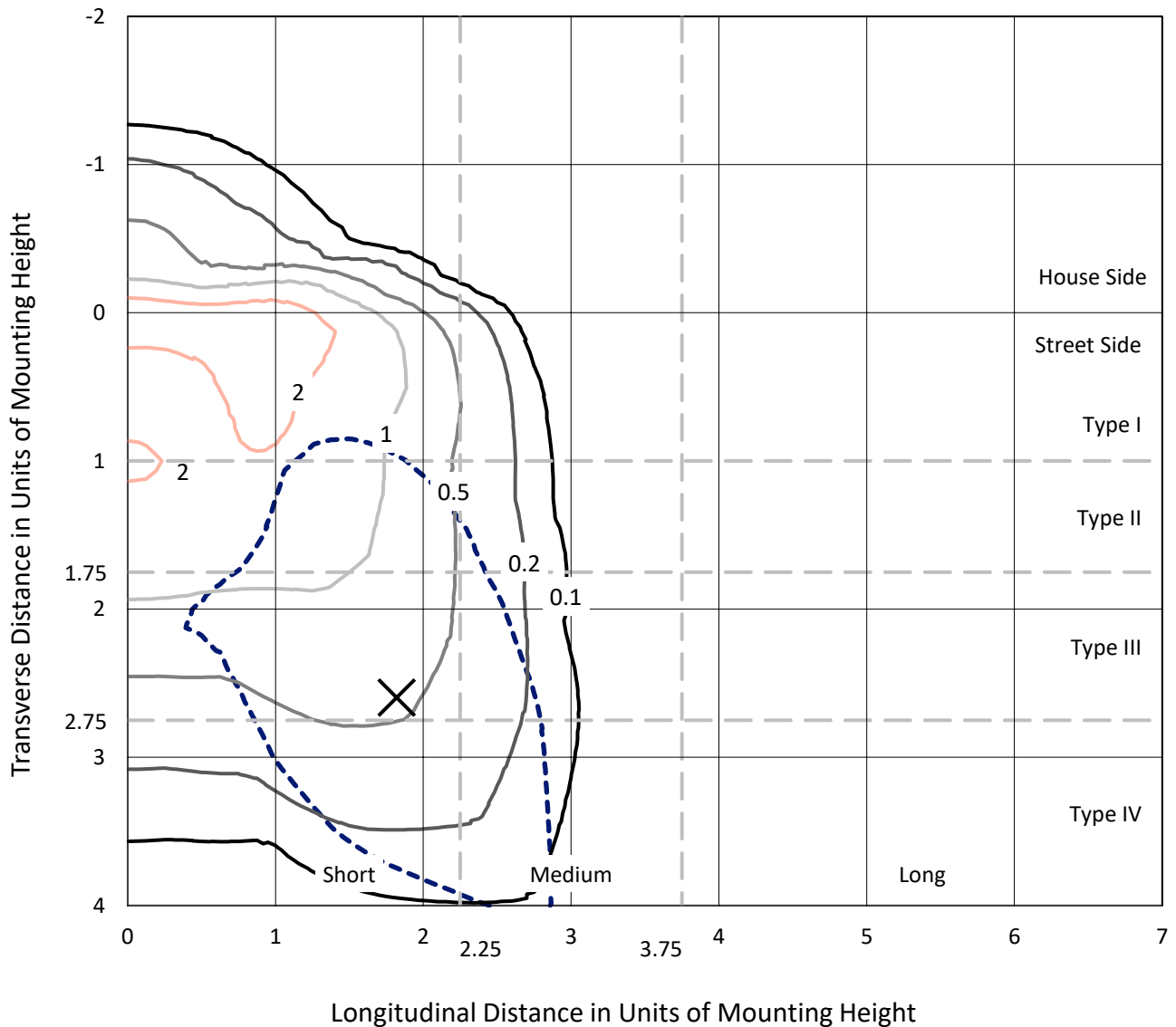
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

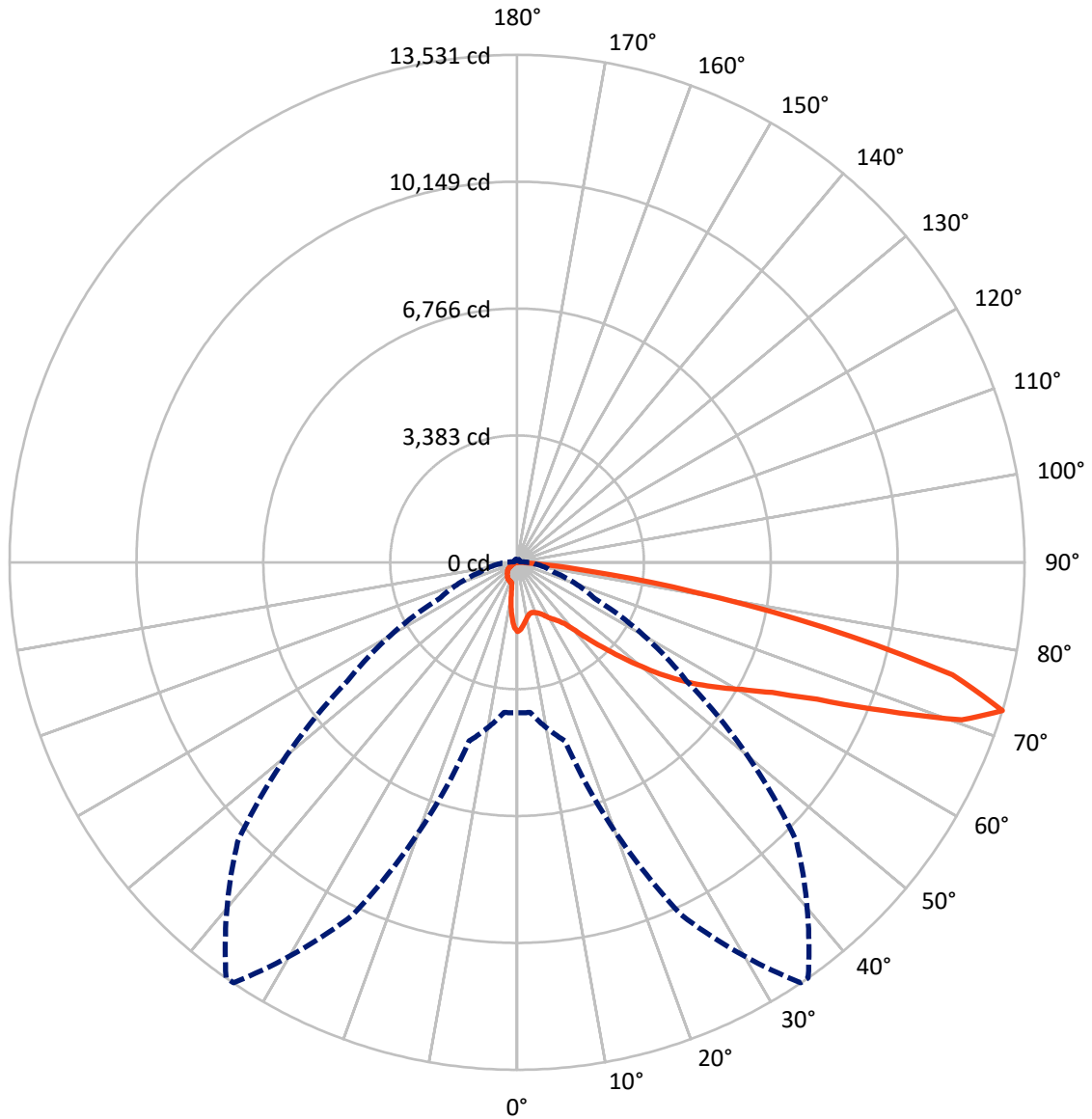
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	1435.8	0.0	1435.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11322.1	0.0	11322.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	12758.0	0.0	12758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	1.2
10°-20°	355.5	2.8
20°-30°	577.4	4.5
30°-40°	963.4	7.6
40°-50°	1822.8	14.3
50°-60°	2896.5	22.7
60°-70°	3583.1	28.1
70°-80°	2227.3	17.5
80°-90°	180.0	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°	12758.0	100.0
0°-180°	12758.0	100.0

Coefficient of Utilization



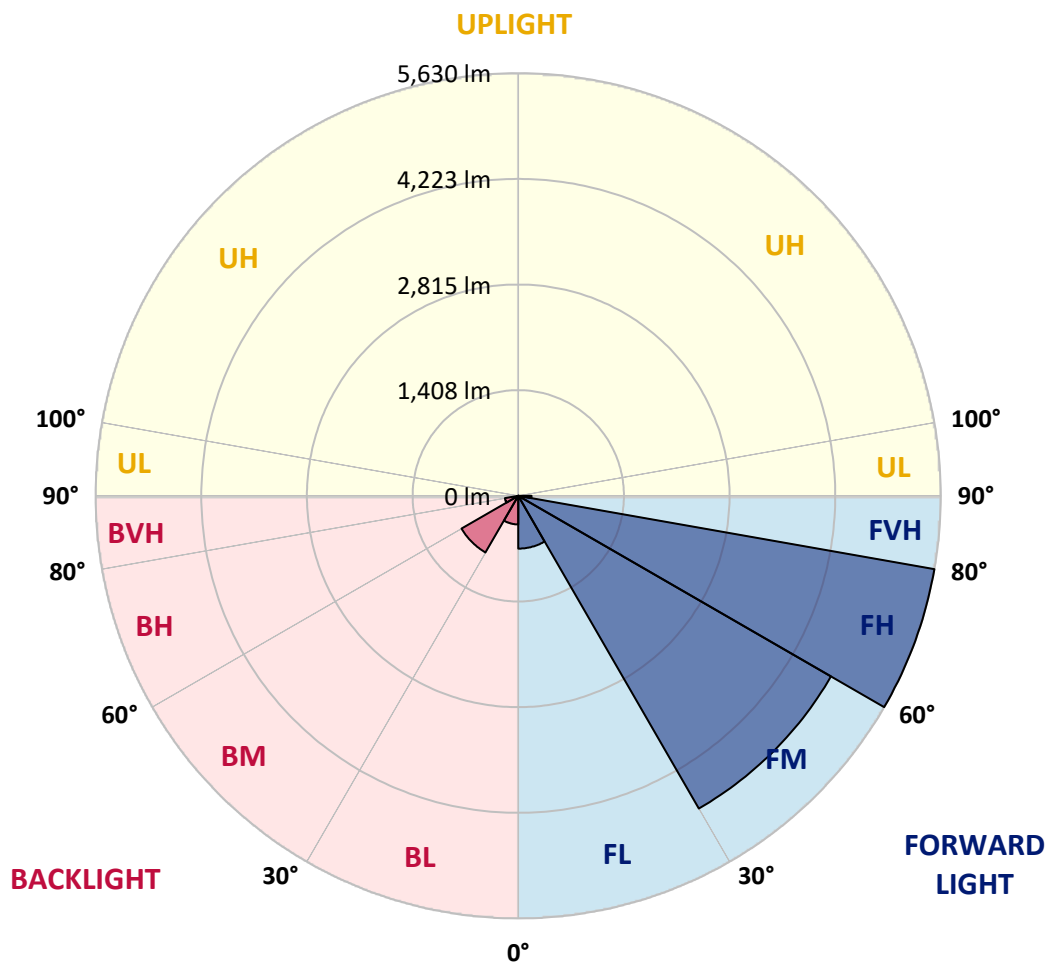
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.3	5.5			
FM	(30°-60°)	4811.0	37.7			
FH	(60°-80°)	5630.3	44.1			G3/7500
FVH	(80°-90°)	177.6	1.4			G2/225
BL	(0°-30°)	381.5	3.0	B1/500		
BM	(30°-60°)	871.7	6.8	B1/1000		
BH	(60°-80°)	180.2	1.4	B1/500		G1/500
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1
2.5°	1766.8	1781.8	1784.6	1789.2	1789.2	1794.8	1804.2	1817.3	1838.8	1850.0
5°	1628.4	1639.7	1653.7	1664.9	1686.4	1689.2	1725.7	1761.2	1810.7	1848.1
7.5°	1489.2	1502.2	1520.9	1548.1	1576.1	1584.5	1639.7	1699.5	1778.0	1848.1
10°	1391.0	1391.9	1408.8	1435.9	1480.7	1491.0	1558.3	1643.4	1741.6	1836.9
12.5°	1335.8	1342.4	1349.9	1370.4	1413.4	1420.0	1492.0	1592.0	1705.1	1830.4
15°	1335.8	1340.5	1345.2	1355.5	1390.1	1395.7	1459.2	1559.3	1686.4	1833.2
17.5°	1349.9	1357.3	1353.6	1365.8	1402.2	1406.0	1462.0	1549.9	1685.5	1850.9
20°	1383.5	1389.1	1381.7	1389.1	1425.6	1433.1	1491.0	1567.7	1701.4	1881.8
22.5°	1436.8	1439.6	1421.9	1427.5	1464.9	1474.2	1541.5	1618.2	1739.7	1931.3
25°	1504.1	1509.7	1482.6	1489.2	1524.7	1535.9	1613.5	1693.9	1800.5	1999.6
27.5°	1581.7	1584.5	1561.1	1560.2	1606.0	1621.9	1700.4	1787.4	1881.8	2085.6
30°	1670.5	1678.9	1656.5	1652.8	1710.7	1723.8	1801.4	1902.3	2001.4	2214.6
32.5°	1740.6	1747.2	1734.1	1743.4	1802.3	1812.6	1923.8	2065.0	2189.3	2397.8
35°	1841.6	1845.3	1815.4	1832.2	1899.5	1925.7	2091.2	2293.1	2425.8	2627.8
37.5°	2207.1	2207.1	2080.0	1996.8	2061.3	2084.6	2320.2	2580.1	2717.5	2936.3
40°	2712.8	2704.4	2518.4	2348.3	2339.8	2385.6	2646.5	2941.9	3094.2	3306.4
42.5°	3252.2	3239.1	2985.8	2817.5	2789.5	2805.4	3023.2	3387.8	3542.9	3758.0
45°	3730.8	3727.1	3495.3	3269.0	3218.6	3269.0	3493.4	3909.4	4020.6	4246.9
47.5°	4131.9	4131.9	3962.7	3815.0	3788.8	3818.7	4130.0	4488.0	4477.8	4767.6
50°	4593.7	4589.9	4429.1	4365.6	4392.7	4434.8	4862.9	5097.5	4950.8	5278.9
52.5°	4917.1	4939.6	4884.4	4874.1	5012.5	5085.4	5607.0	5694.0	5374.2	5764.1
55°	5173.3	5199.4	5263.0	5335.0	5601.4	5696.8	6327.8	6259.5	5728.5	6184.7
57.5°	5536.0	5498.6	5596.7	5738.8	6169.8	6284.8	7026.1	6793.3	6013.7	6525.9
60°	5976.3	5981.9	5998.7	6178.2	6737.2	6884.9	7714.1	7298.1	6196.9	6735.3
62.5°	6505.4	6513.8	6548.4	6824.1	7499.1	7638.4	8447.0	7711.3	6281.0	6676.4
65°	6468.9	6504.4	6890.5	7833.7	8657.3	8794.7	9302.3	8001.1	6153.9	6138.0
67.5°	5893.1	5951.0	6597.0	9039.7	10403.5	10556.9	10336.2	8058.1	5605.1	4773.2
70°	5137.7	5158.3	5935.1	10124.0	12425.5	12580.7	11261.7	7430.8	4253.4	2662.4
72.5°	4012.2	4016.9	4928.3	10375.5	13523.0	13531.4	10535.4	5516.3	2287.5	1022.7
75°	2866.1	2838.1	3300.8	8414.3	11897.4	11992.7	7898.2	2587.6	874.1	483.3
77.5°	1536.8	1567.7	1867.8	4990.0	8218.9	8381.5	4309.5	746.0	445.0	329.1
80°	474.9	501.1	765.6	2284.7	4655.4	4753.5	1597.6	331.9	310.4	234.6
82.5°	149.6	155.2	357.1	960.1	1932.3	1977.1	462.7	187.9	212.2	155.2
85°	43.0	43.9	158.9	358.0	477.7	487.0	129.9	72.9	121.5	96.3
87.5°	4.7	15.0	59.8	59.8	42.1	41.1	14.0	15.9	34.6	12.2
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°
1849.1	0°	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1
1857.5	2.5°	1852.8	1853.7	1841.6	1821.0	1798.6	1779.9	1756.5	1737.8	1724.7	1721.0
1874.3	5°	1865.9	1859.3	1824.8	1762.1	1687.3	1622.8	1550.9	1493.8	1456.4	1440.5
1892.1	7.5°	1885.5	1866.8	1791.1	1667.7	1524.7	1397.5	1268.5	1168.5	1105.0	1073.2
1908.9	10°	1902.3	1865.0	1735.0	1531.2	1312.5	1119.9	946.0	825.4	758.1	726.4
1928.5	12.5°	1918.2	1864.0	1662.1	1369.5	1073.2	837.6	675.9	616.0	597.3	590.8
1960.3	15°	1948.2	1866.8	1570.5	1184.4	834.8	632.9	574.0	573.0	576.8	574.9
2008.9	17.5°	1989.3	1869.6	1466.7	988.1	644.1	558.1	555.3	563.7	569.3	566.5
2069.7	20°	2042.6	1880.8	1356.4	793.7	553.4	539.4	545.9	553.4	558.1	553.4
2151.0	22.5°	2117.4	1900.5	1235.8	637.5	524.4	528.2	533.8	542.2	546.9	540.3
2254.8	25°	2209.0	1931.3	1117.1	554.3	510.4	515.1	523.5	532.8	538.5	531.9
2385.6	27.5°	2327.7	1980.9	1007.7	535.6	496.4	499.2	511.3	525.4	532.8	524.4
2571.7	30°	2499.7	2062.2	913.3	544.1	488.0	481.4	498.3	517.9	526.3	518.8
2825.0	32.5°	2727.8	2177.2	855.4	557.1	484.2	460.9	476.8	502.0	516.0	511.3
3155.9	35°	3026.9	2352.0	832.9	572.1	481.4	439.4	450.6	477.7	502.0	506.7
3572.9	37.5°	3389.6	2595.0	839.5	578.6	473.0	421.6	427.2	450.6	482.4	497.3
4042.1	40°	3801.9	2878.3	876.9	572.1	463.7	406.6	407.6	425.3	453.4	475.8
4546.9	42.5°	4227.2	3209.2	946.0	547.8	455.3	393.6	390.8	402.9	421.6	437.5
5050.8	45°	4632.0	3549.5	1014.3	514.1	445.0	380.5	373.9	378.6	382.3	388.9
5541.6	47.5°	4985.4	3788.8	994.6	483.3	430.9	365.5	354.3	352.4	341.2	340.3
5980.0	50°	5229.3	3841.2	883.4	452.4	410.4	348.7	330.9	319.7	300.1	290.7
6308.1	52.5°	5306.9	3634.6	721.7	421.6	376.7	326.3	301.0	283.2	258.9	250.5
6497.0	55°	5204.1	3229.8	576.8	384.2	330.0	296.3	268.3	244.9	225.3	215.0
6517.5	57.5°	4952.6	2714.7	456.2	340.3	280.4	262.7	234.6	211.3	194.4	184.2
6289.4	60°	4535.7	2155.7	360.8	287.9	239.3	226.2	197.2	182.3	167.3	155.2
5700.5	62.5°	3902.8	1538.7	283.2	228.1	200.1	185.1	168.3	157.0	139.3	122.5
4641.4	65°	3045.6	941.4	218.7	167.3	160.8	153.3	143.0	132.7	111.2	94.4
3027.9	67.5°	1921.0	445.9	156.1	126.2	127.1	123.4	118.7	110.3	94.4	79.5
1356.4	70°	846.0	215.9	102.8	96.3	94.4	94.4	98.2	95.4	80.4	66.4
471.1	72.5°	287.9	115.9	76.7	72.9	68.2	67.3	82.3	79.5	64.5	51.4
234.6	75°	150.5	77.6	56.1	52.3	41.1	49.5	65.4	61.7	45.8	33.7
155.2	77.5°	98.2	55.2	38.3	33.7	23.4	32.7	48.6	43.0	27.1	16.8
101.9	80°	61.7	36.5	22.4	15.9	11.2	17.8	26.2	18.7	10.3	3.7
59.8	82.5°	32.7	18.7	8.4	5.6	4.7	5.6	6.5	4.7	1.9	0.0
30.8	85°	13.1	6.5	2.8	1.9	0.9	0.0	1.9	0.9	0.0	0.0
5.6	87.5°	4.7	0.9	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°
1849.1
1727.5
1446.2
1077.8
727.3
588.9
574.0
565.6
552.5
539.4
531.0
524.4
517.9
511.3
506.7
501.1
483.3
444.0
392.6
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291.7
249.6
215.0
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