

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: P847258

Luminaire Tested: **GLAN-SB3B-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16591 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

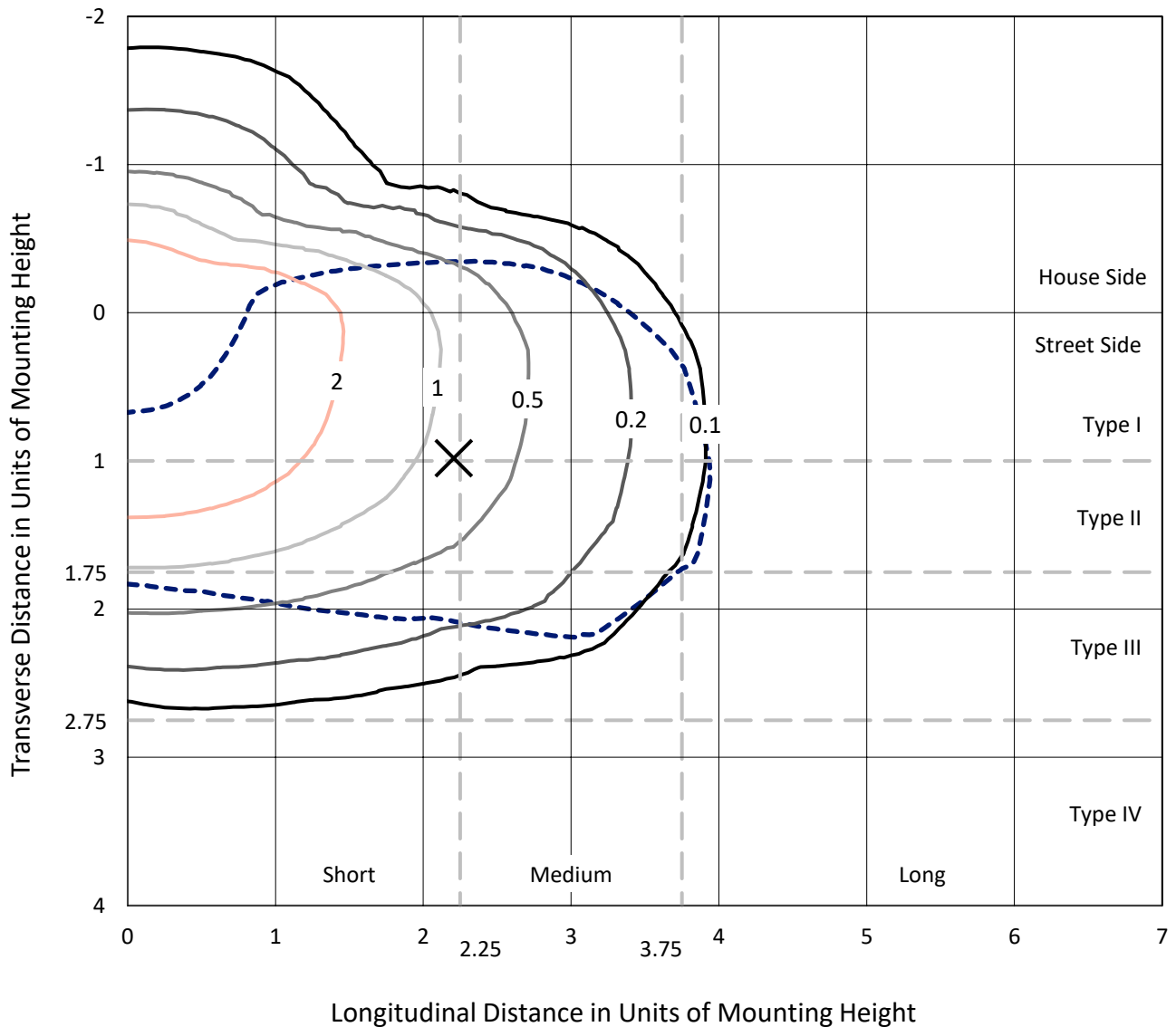
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

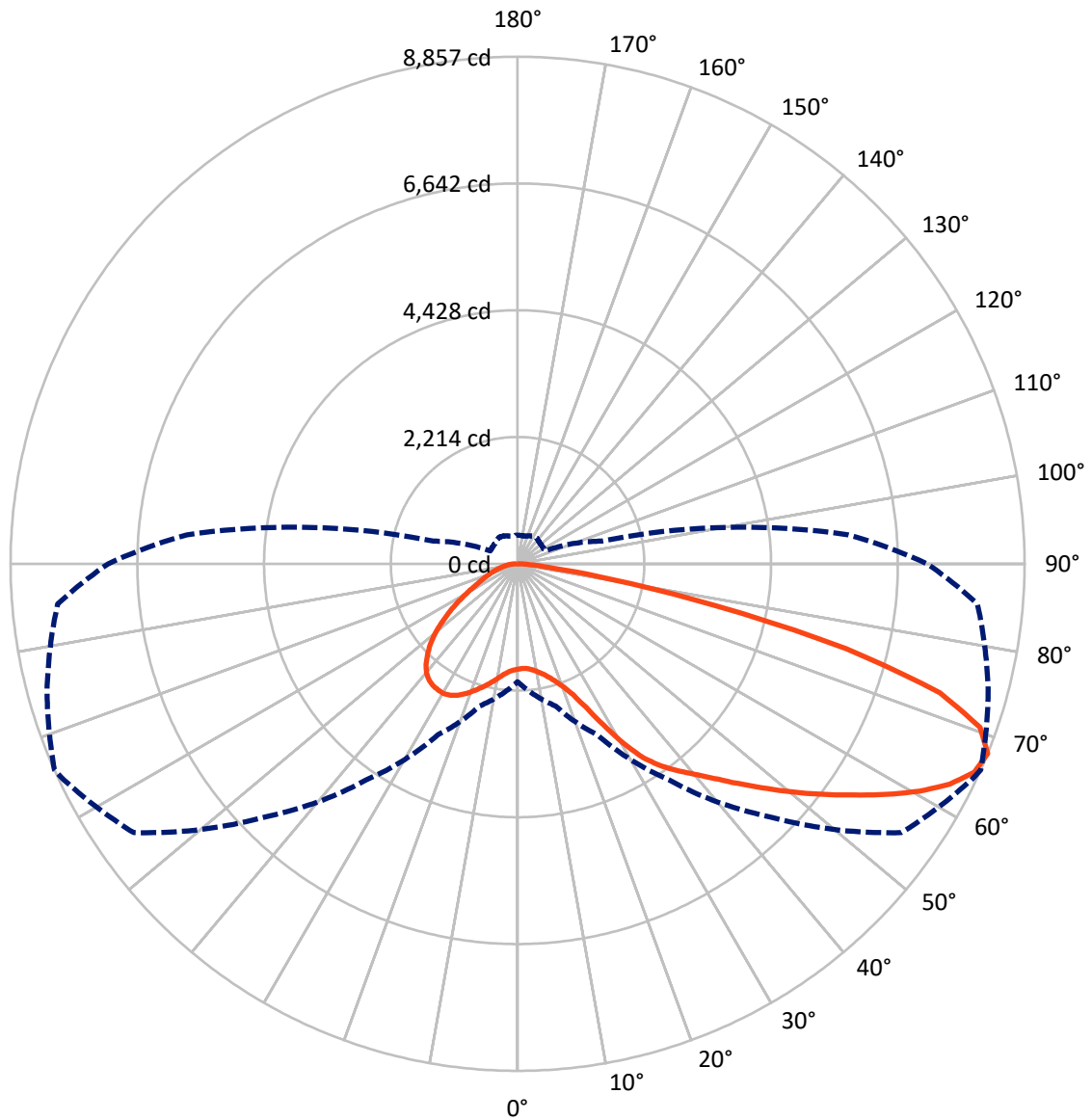
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4125.3	0.0	4125.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	12465.7	0.0	12465.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	16591.0	0.0	16591.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	1.1
10°-20°	602.8	3.6
20°-30°	1161.8	7.0
30°-40°	2037.1	12.3
40°-50°	3028.5	18.3
50°-60°	3838.9	23.1
60°-70°	3756.3	22.6
70°-80°	1791.8	10.8
80°-90°	191.5	1.2
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°	16591.0	100.0
0°-180°	16591.0	100.0

Coefficient of Utilization



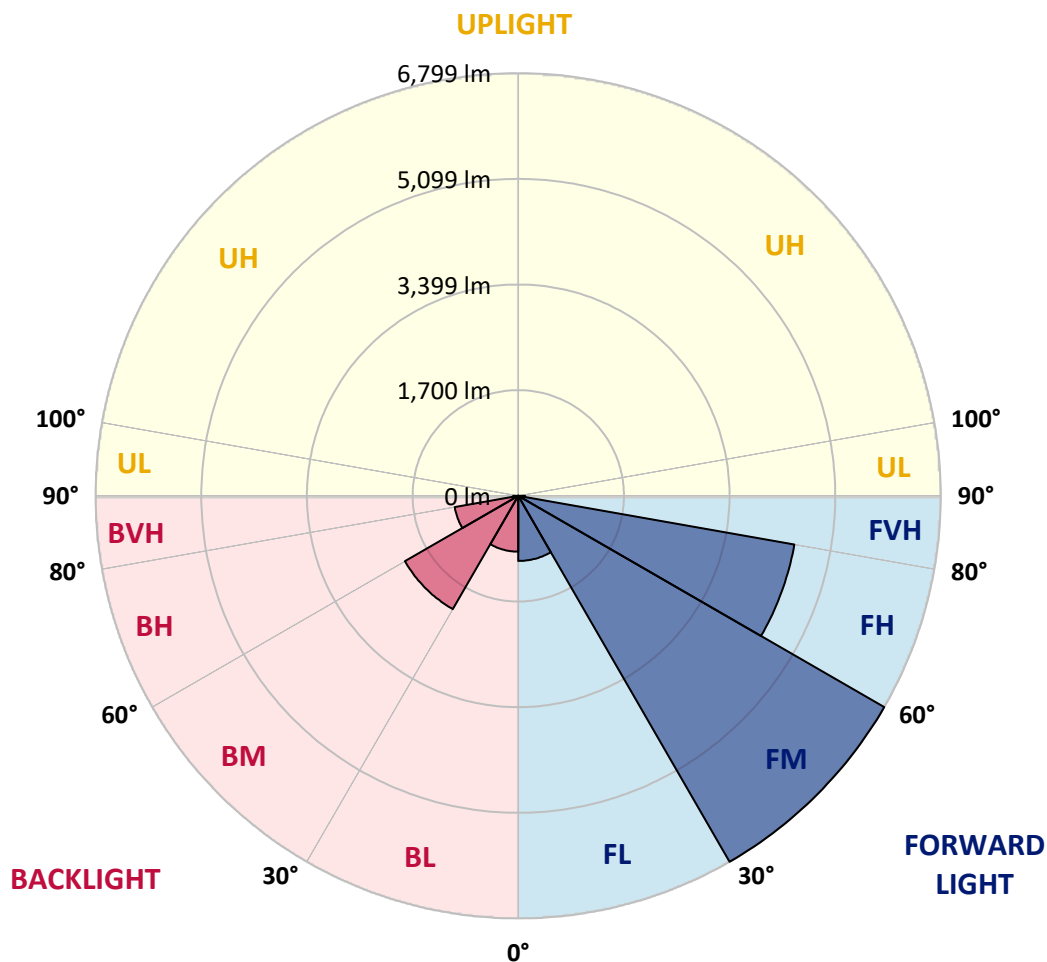
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1048.4	6.3			
FM (30°-60°)	6798.9	41.0			
FH (60°-80°)	4509.9	27.2			G2/5000
FVH (80°-90°)	108.6	0.7			G2/225
BL (0°-30°)	898.6	5.4	B2/1000		
BM (30°-60°)	2105.6	12.7	B2/2500		
BH (60°-80°)	1038.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	82.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2
2.5°	1821.0	1831.4	1828.8	1824.5	1823.6	1825.3	1828.0	1830.6	1829.7	1834.1
5°	1815.8	1826.2	1825.3	1825.3	1828.8	1835.8	1840.2	1844.5	1840.2	1845.4
7.5°	1819.2	1827.1	1830.6	1834.1	1842.8	1855.9	1866.3	1875.9	1870.7	1876.8
10°	1863.7	1869.8	1873.3	1873.3	1879.4	1894.2	1904.7	1922.1	1917.7	1927.3
12.5°	1944.8	1950.9	1950.9	1947.4	1951.7	1961.3	1964.8	1984.0	1976.1	1991.8
15°	2044.1	2056.3	2046.8	2040.7	2042.4	2052.0	2051.1	2065.9	2058.1	2071.2
17.5°	2154.0	2169.7	2154.0	2153.1	2149.6	2160.1	2160.9	2174.0	2160.1	2169.7
20°	2283.9	2305.6	2292.6	2296.9	2289.1	2293.4	2297.8	2317.0	2295.2	2302.2
22.5°	2466.9	2493.1	2479.1	2495.7	2490.5	2487.0	2486.1	2520.1	2486.1	2488.7
25°	2733.7	2765.0	2740.6	2763.3	2763.3	2774.6	2787.7	2831.3	2774.6	2758.1
27.5°	3127.7	3159.0	3111.1	3125.0	3120.7	3148.6	3134.6	3242.7	3181.7	3154.7
30°	3601.9	3657.7	3567.0	3563.5	3559.2	3603.6	3623.7	3695.1	3633.3	3606.2
32.5°	4114.4	4172.8	4064.7	4033.4	4016.8	4043.8	4027.3	4084.8	4042.1	4000.2
35°	4656.6	4714.2	4611.3	4550.3	4484.0	4427.4	4368.1	4382.9	4342.8	4279.2
37.5°	5169.2	5274.7	5165.7	5100.3	4978.3	4867.6	4702.0	4633.1	4595.6	4537.2
40°	5691.3	5751.5	5668.7	5612.9	5480.4	5306.9	5041.9	4896.3	4845.8	4789.1
42.5°	6075.8	6133.3	6088.8	6050.5	5946.7	5745.4	5402.8	5220.6	5147.4	5083.8
45°	6380.9	6423.6	6395.7	6409.6	6365.2	6169.9	5776.8	5568.4	5492.6	5415.0
47.5°	6503.8	6549.1	6593.5	6676.4	6752.2	6608.4	6178.6	5945.0	5864.8	5785.5
50°	6489.8	6536.0	6665.0	6841.1	7076.5	7028.5	6602.3	6346.0	6271.9	6181.2
52.5°	6378.2	6430.5	6596.2	6889.1	7263.9	7343.2	7033.8	6760.0	6690.3	6582.2
55°	6085.3	6116.7	6365.2	6780.1	7308.3	7562.9	7456.5	7201.1	7131.4	6980.6
57.5°	5542.3	5587.6	5949.4	6486.3	7196.8	7711.9	7827.9	7664.9	7597.7	7380.7
60°	4833.6	4905.9	5320.0	5992.9	6912.6	7711.1	8165.2	8120.8	8065.0	7774.7
62.5°	4031.6	4115.3	4513.7	5295.6	6415.7	7492.3	8376.2	8502.6	8473.8	8138.2
65°	3096.3	3153.8	3550.4	4393.4	5642.5	7022.4	8400.6	8763.2	8768.4	8414.5
67.5°	2061.6	2227.2	2571.5	3296.8	4606.9	6254.5	8186.1	8805.9	8856.5	8509.5
70°	1005.9	1223.9	1561.2	2142.6	3296.8	5076.8	7625.6	8455.5	8568.0	8232.3
72.5°	417.5	488.2	672.1	1057.4	1892.5	3425.8	6499.4	7505.3	7713.7	7294.4
75°	281.6	305.1	384.4	542.2	862.1	1689.4	4687.1	5596.3	5931.9	5509.2
77.5°	217.1	231.9	279.8	379.2	512.6	639.0	2508.8	3372.6	3546.1	3282.8
80°	170.9	182.2	209.2	276.3	363.5	341.7	855.1	1528.1	1628.3	1366.0
82.5°	148.2	152.5	149.9	187.4	241.5	199.6	280.7	564.0	622.4	451.5
85°	107.2	119.4	124.7	115.9	128.1	101.1	115.1	199.6	219.7	196.1
87.5°	43.6	64.5	79.3	75.0	47.1	28.8	35.7	58.4	67.1	73.2
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°
1840.2	0°	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2	1840.2
1841.0	2.5°	1841.9	1848.0	1852.4	1857.6	1861.1	1866.3	1876.8	1882.9	1883.7	1888.1
1855.0	5°	1858.5	1867.2	1876.8	1890.7	1906.4	1919.5	1939.5	1953.5	1958.7	1963.1
1889.0	7.5°	1894.2	1906.4	1923.8	1948.3	1970.9	1988.4	2012.8	2029.3	2045.9	2052.0
1943.0	10°	1947.4	1964.8	1990.1	2023.2	2047.6	2070.3	2095.6	2109.5	2126.1	2133.1
2007.5	12.5°	2013.6	2031.9	2065.1	2111.3	2133.9	2149.6	2158.3	2154.8	2158.3	2164.4
2085.1	15°	2089.5	2109.5	2147.0	2196.7	2212.4	2198.4	2179.3	2161.8	2159.2	2160.9
2179.3	17.5°	2179.3	2194.1	2237.7	2279.5	2268.2	2210.6	2168.8	2140.9	2127.0	2122.6
2299.5	20°	2304.8	2304.8	2340.5	2366.7	2290.8	2193.2	2127.8	2082.5	2053.7	2041.5
2463.4	22.5°	2457.3	2443.4	2466.0	2447.7	2286.5	2144.4	2053.7	1975.3	1931.7	1914.3
2692.7	25°	2650.8	2634.3	2628.2	2514.9	2255.1	2066.8	1919.5	1824.5	1786.1	1776.5
3023.1	27.5°	2942.9	2901.0	2821.7	2551.5	2197.6	1944.8	1762.6	1674.5	1652.7	1653.6
3447.6	30°	3331.6	3248.0	3053.6	2557.6	2103.4	1772.2	1602.2	1539.4	1529.0	1533.3
3804.1	32.5°	3691.7	3612.3	3290.7	2529.7	1958.7	1603.1	1458.4	1416.5	1400.8	1406.1
4076.1	35°	3974.1	3952.3	3510.3	2490.5	1780.9	1444.4	1329.3	1293.6	1263.1	1256.1
4332.4	37.5°	4240.8	4232.1	3675.1	2435.5	1604.8	1332.0	1225.6	1178.5	1134.1	1109.7
4615.7	40°	4533.7	4525.0	3783.2	2351.0	1448.8	1234.3	1132.3	1070.4	1015.5	971.1
4936.4	42.5°	4863.2	4811.8	3834.6	2229.8	1316.3	1151.5	1056.5	972.8	900.5	859.5
5299.1	45°	5223.2	5107.3	3833.7	2075.5	1204.7	1075.7	975.4	856.9	789.8	751.4
5671.3	47.5°	5605.0	5389.7	3786.7	1904.7	1096.6	992.0	849.9	759.3	714.8	691.3
6075.8	50°	5999.0	5653.9	3706.5	1708.5	985.9	897.0	771.5	709.6	675.6	653.8
6476.7	52.5°	6369.5	5893.6	3609.7	1486.3	873.4	804.6	736.6	688.6	652.9	628.5
6865.5	55°	6713.8	6100.2	3472.9	1258.7	781.9	742.7	720.0	679.9	639.0	610.2
7260.4	57.5°	7019.8	6234.4	3236.6	1045.2	716.5	700.0	702.6	665.1	618.0	593.6
7649.2	60°	7274.3	6332.9	2887.1	847.3	663.4	658.1	675.6	637.2	582.3	554.4
7977.8	62.5°	7426.9	6331.2	2458.2	693.9	618.0	619.8	639.8	602.3	546.6	520.4
8149.5	65°	7413.8	6176.0	1987.5	593.6	574.5	576.2	602.3	564.0	516.9	501.2
8063.2	67.5°	7151.4	5797.7	1524.6	528.3	526.5	534.4	564.9	537.8	498.6	496.9
7548.9	70°	6441.0	5012.3	1098.3	475.9	476.8	488.2	528.3	521.3	489.0	492.5
6346.9	72.5°	5164.8	3821.5	737.5	421.0	421.9	440.2	493.4	508.2	479.4	525.6
4503.2	75°	3439.7	2383.2	474.2	362.6	363.5	387.0	462.9	482.9	453.3	523.9
2343.1	77.5°	1652.7	1071.3	343.5	305.1	305.1	326.9	400.1	432.4	386.2	407.1
753.1	80°	571.0	402.7	270.2	245.8	240.6	255.4	337.3	374.8	333.0	306.8
245.8	82.5°	224.9	209.2	217.1	190.9	173.5	183.1	262.4	309.5	244.9	221.4
138.6	85°	129.0	136.0	153.4	126.4	100.2	112.4	192.6	222.3	184.8	163.0
45.3	87.5°	34.9	47.9	70.6	65.4	45.3	47.9	91.5	122.9	106.3	81.9
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

<u>180°</u>
1840.2
1887.2
1962.2
2052.9
2136.5
2166.2
2167.0
2128.7
2038.9
1911.6
1778.3
1656.2
1548.1
1413.0
1261.4
1110.5
975.4
862.1
749.7
686.0
645.9
618.0
598.9
577.9
542.2
512.6
500.4
499.5
491.6
532.6
528.3
373.1
287.7
220.5
166.5
84.6
0.0

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