

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: P847427

Luminaire Tested: **GLAN-SB3C-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847427
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-SB3C-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA 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: 17293 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

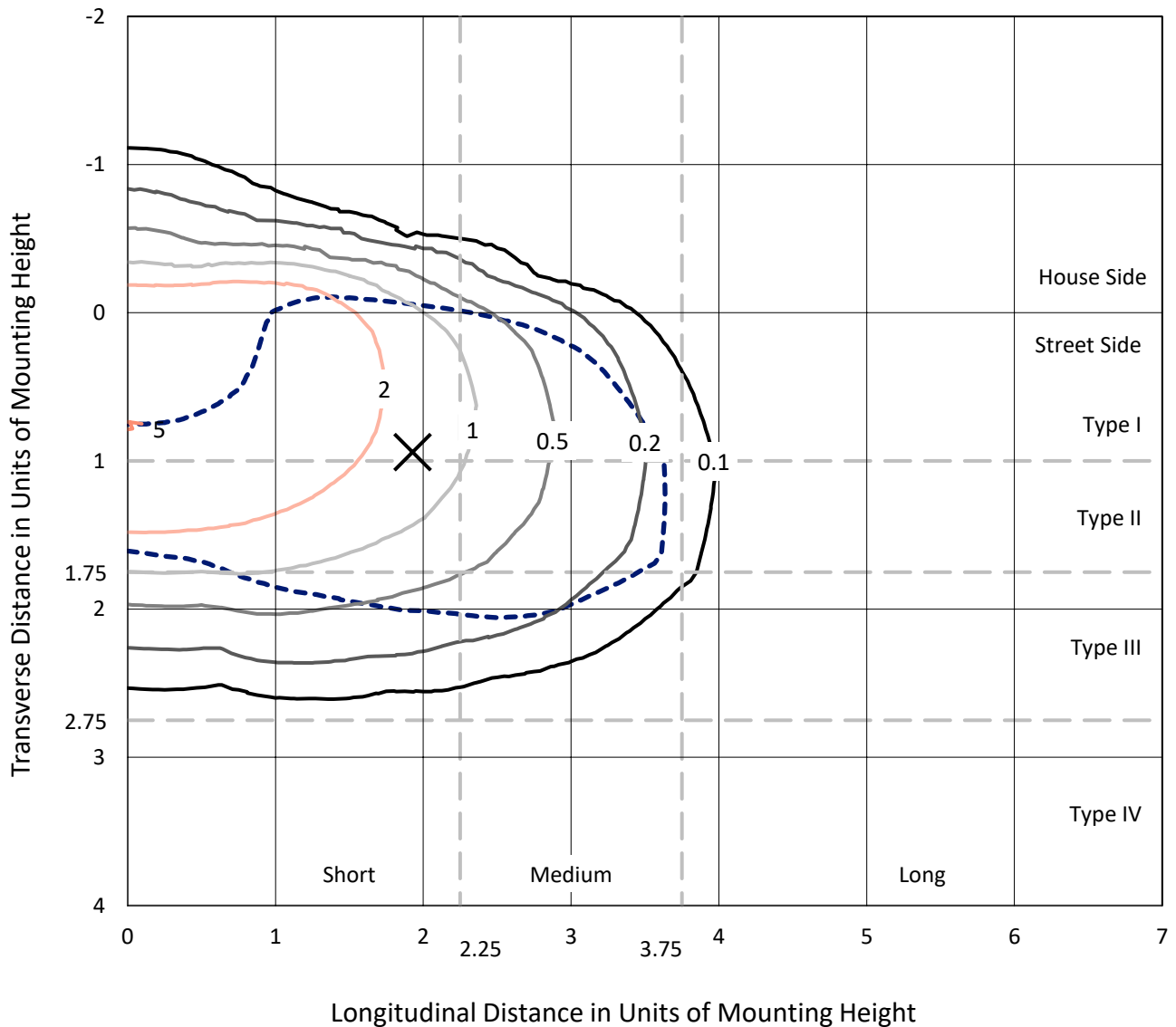
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

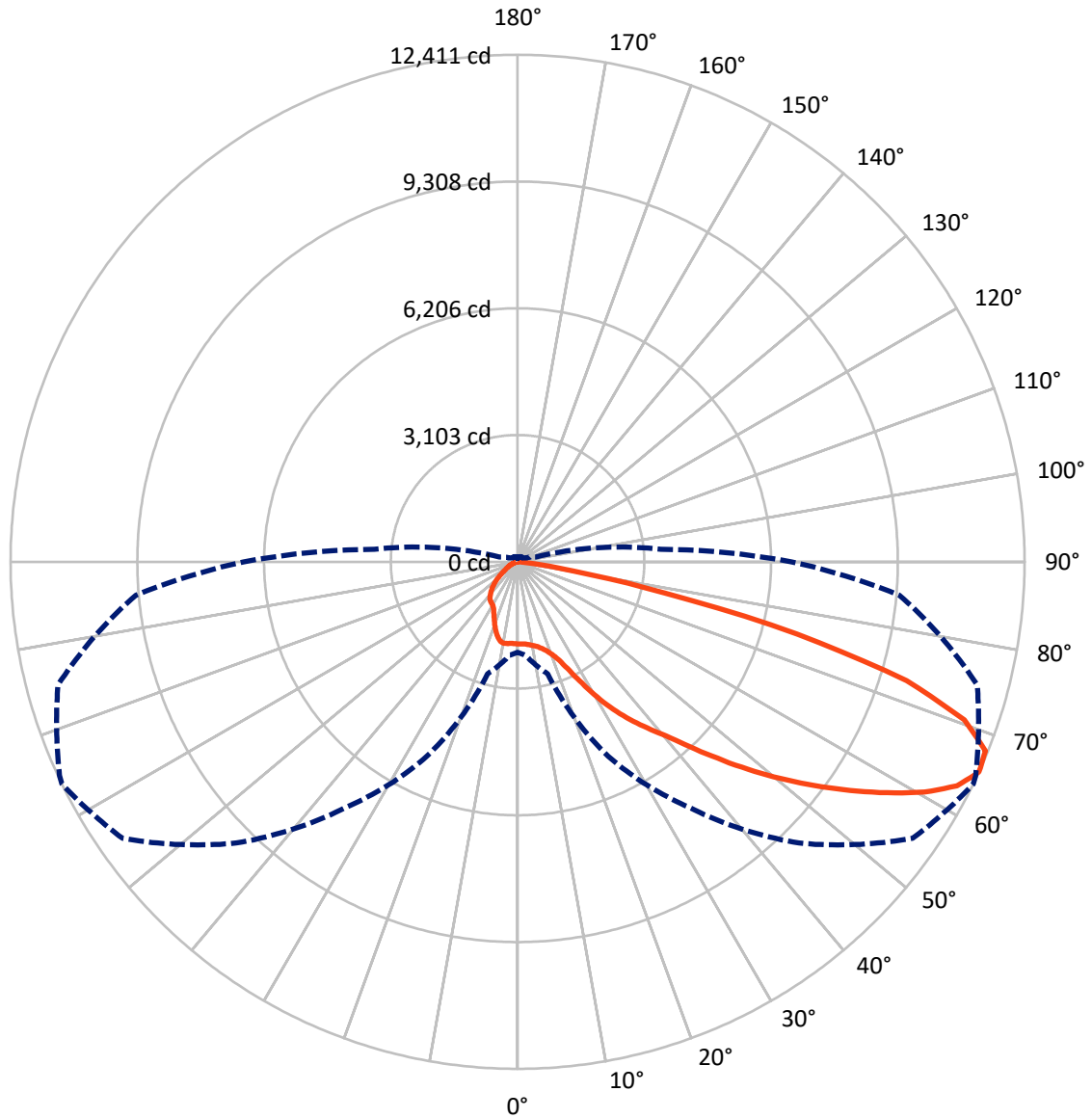
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2312.6	0.0	2312.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	14980.4	0.0	14980.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	17293.0	0.0	17293.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.6	1.1
10°-20°	503.3	2.9
20°-30°	953.7	5.5
30°-40°	1929.9	11.2
40°-50°	3287.6	19.0
50°-60°	4470.9	25.9
60°-70°	4198.4	24.3
70°-80°	1682.1	9.7
80°-90°	81.5	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°	17293.0	100.0
0°-180°	17293.0	100.0

Coefficient of Utilization



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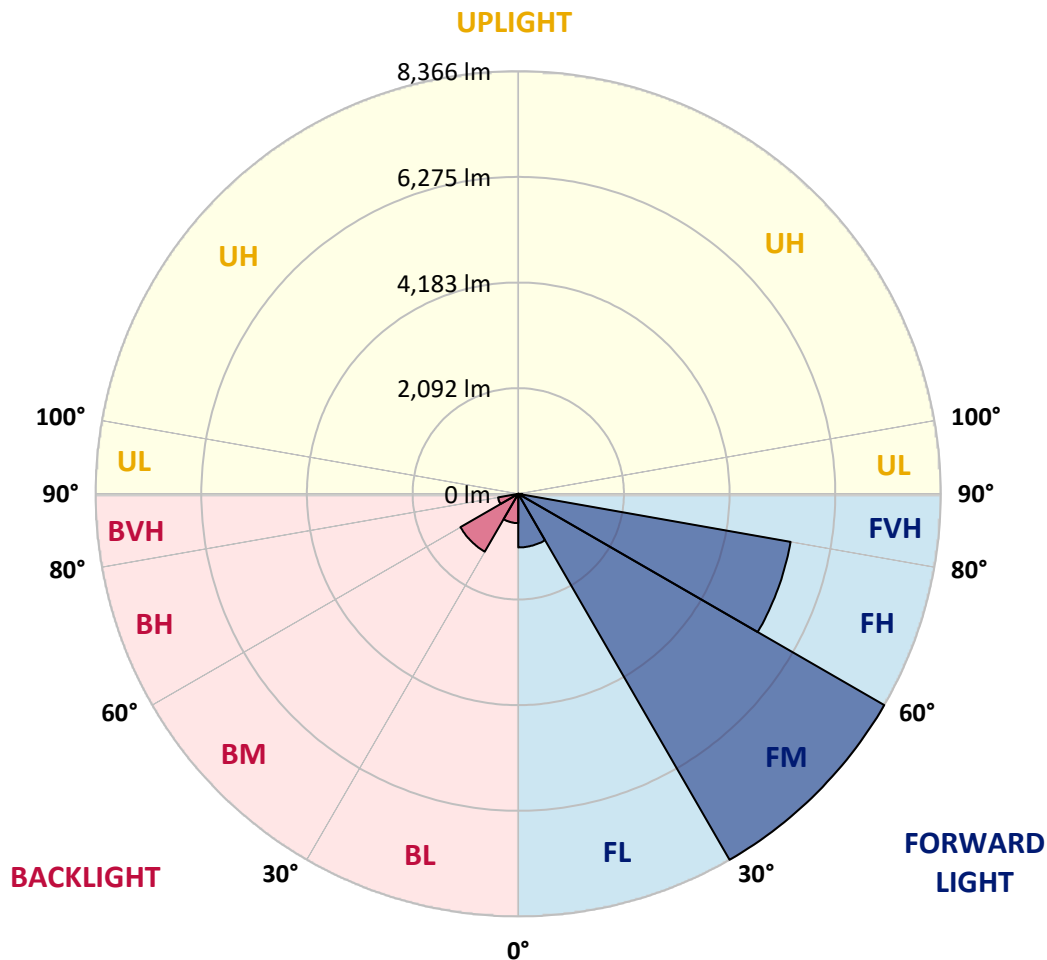
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1062.0	6.1			
FM (30°-60°)	8366.3	48.4			
FH (60°-80°)	5474.6	31.7			G3/7500
FVH (80°-90°)	77.5	0.4			G1/100
BL (0°-30°)	580.6	3.4	B2/1000		
BM (30°-60°)	1322.1	7.6	B2/2500		
BH (60°-80°)	405.9	2.3	B1/500		G1/500
BVH (80°-90°)	4.0	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4
2.5°	2004.4	2018.3	2014.8	2011.4	2010.2	2012.5	2013.7	2012.5	2012.5	2012.5
5°	1966.1	1977.7	1977.7	1985.9	1997.4	2011.4	2021.8	2024.1	2026.4	2029.9
7.5°	1893.1	1902.4	1909.3	1936.0	1965.0	2002.1	2033.4	2049.6	2051.9	2064.7
10°	1843.3	1854.9	1866.4	1894.3	1936.0	1991.6	2045.0	2084.4	2090.2	2120.3
12.5°	1840.9	1852.5	1867.6	1897.7	1946.4	2005.6	2070.5	2127.3	2137.7	2181.8
15°	1865.3	1879.2	1893.1	1930.2	1982.4	2054.2	2123.8	2194.5	2205.0	2267.6
17.5°	1915.1	1933.7	1944.1	1981.2	2036.9	2116.9	2208.4	2289.6	2298.9	2371.9
20°	2013.7	2035.7	2039.2	2069.3	2123.8	2209.6	2318.6	2419.4	2431.0	2514.5
22.5°	2217.7	2249.0	2221.2	2236.3	2284.9	2370.7	2489.0	2616.5	2632.7	2727.8
25°	2577.1	2621.1	2549.3	2523.8	2544.6	2633.9	2782.3	2943.4	2962.0	3038.5
27.5°	3283.1	3226.3	3117.3	3010.7	2948.1	2999.1	3166.0	3365.4	3388.6	3462.8
30°	4058.6	4008.8	3861.6	3625.1	3476.7	3468.6	3622.8	3845.3	3872.0	3942.7
32.5°	4835.4	4787.8	4627.9	4336.9	4079.5	3952.0	4058.6	4305.6	4319.5	4364.7
35°	5599.3	5550.6	5390.7	5092.7	4776.2	4486.4	4465.6	4743.8	4748.4	4796.0
37.5°	6367.9	6327.4	6157.0	5864.8	5553.0	5153.0	4959.4	5158.8	5164.6	5211.0
40°	6916.3	6933.7	6816.6	6590.5	6322.7	5885.7	5513.5	5600.5	5565.7	5643.4
42.5°	7386.9	7421.7	7319.7	7206.1	7050.8	6665.9	6199.8	6184.8	6129.1	6170.9
45°	7793.9	7822.8	7731.3	7704.6	7701.1	7431.0	6949.9	6859.5	6781.8	6773.7
47.5°	7943.4	7999.1	8038.5	8127.7	8301.6	8188.0	7725.5	7585.2	7498.2	7434.5
50°	8000.2	8059.3	8193.8	8453.5	8865.0	8913.7	8497.5	8339.9	8233.2	8117.3
52.5°	7923.7	8029.2	8210.0	8647.1	9244.1	9495.7	9238.3	9100.4	8978.6	8789.7
55°	7472.7	7578.2	7948.0	8644.8	9433.1	9903.8	9938.5	9877.1	9740.3	9442.4
57.5°	6522.1	6678.6	7264.1	8350.3	9429.6	10255.0	10624.8	10668.9	10515.9	10089.2
60°	5205.2	5417.3	6131.4	7697.6	9138.6	10445.1	11226.5	11446.8	11284.5	10726.8
62.5°	3632.0	3877.8	4553.7	6675.1	8473.2	10308.3	11665.9	12072.8	11949.9	11297.2
65°	2215.4	2294.2	2839.1	5252.7	7341.7	9735.7	11801.5	12411.3	12370.7	11646.2
67.5°	1475.8	1541.8	1698.3	3601.9	5699.0	8591.4	11476.9	12352.2	12363.7	11589.3
70°	889.2	946.0	1048.0	2094.8	3693.5	6800.4	10471.8	11598.6	11665.9	10830.0
72.5°	366.3	404.6	497.3	949.5	1912.8	4316.0	8338.7	9958.2	10114.7	9106.2
75°	207.5	227.2	292.1	476.5	830.0	2011.4	5051.0	7069.3	7300.0	6276.4
77.5°	138.0	147.2	189.0	308.4	467.2	686.3	2158.6	3683.0	4123.6	3428.0
80°	92.7	100.9	129.8	206.4	303.7	294.5	687.5	1364.5	1678.6	1177.8
82.5°	62.6	63.8	92.7	135.6	192.4	142.6	202.9	424.3	533.3	340.8
85°	35.9	34.8	68.4	78.8	85.8	59.1	61.4	127.5	166.9	143.8
87.5°	4.6	7.0	26.7	20.9	11.6	12.8	12.8	22.0	32.5	34.8
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°
2011.4	0°	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4
2013.7	2.5°	2013.7	2012.5	2009.0	2005.6	1997.4	1992.8	1995.1	1992.8	1991.6	1992.8
2028.7	5°	2028.7	2025.3	2016.0	2004.4	1988.2	1968.5	1955.7	1937.2	1919.8	1909.3
2069.3	7.5°	2069.3	2065.8	2053.1	2020.6	1968.5	1886.2	1810.8	1744.7	1694.9	1665.9
2134.2	10°	2134.2	2128.4	2108.7	2036.9	1900.1	1720.4	1570.8	1446.8	1365.6	1327.4
2210.8	12.5°	2210.8	2203.8	2169.0	2021.8	1770.2	1489.7	1283.3	1145.4	1070.0	1036.4
2298.9	15°	2301.2	2291.9	2223.5	1949.9	1581.3	1234.6	1045.7	942.5	893.8	863.7
2411.3	17.5°	2413.6	2397.4	2264.1	1842.1	1376.1	1039.9	899.6	821.9	779.0	750.1
2558.5	20°	2559.7	2533.0	2296.5	1713.4	1187.1	917.0	801.1	736.1	703.7	678.2
2767.2	22.5°	2763.7	2725.5	2336.0	1574.3	1053.8	832.4	728.0	680.5	653.8	624.9
3058.2	25°	3016.5	2971.2	2384.6	1445.6	962.2	759.3	674.7	635.3	604.0	570.4
3439.6	27.5°	3370.0	3288.9	2442.6	1340.1	883.4	696.7	626.0	582.0	546.0	518.2
3872.0	30°	3764.2	3630.9	2493.6	1276.4	811.5	638.8	562.3	518.2	484.6	464.9
4260.4	32.5°	4137.5	3956.6	2527.2	1248.5	746.6	572.7	492.7	445.2	419.7	413.9
4640.6	35°	4489.9	4251.1	2523.8	1221.9	688.6	506.6	424.3	375.6	355.9	359.4
5049.8	37.5°	4895.7	4565.3	2499.4	1180.1	641.1	446.3	365.2	322.3	304.9	306.1
5547.2	40°	5367.5	4928.1	2484.3	1101.3	588.9	390.7	316.5	281.7	269.0	264.3
6071.2	42.5°	5870.6	5279.4	2486.7	1012.1	524.0	340.8	282.9	253.9	242.3	238.8
6654.3	45°	6376.1	5614.4	2490.1	919.3	455.6	302.6	258.5	234.2	227.2	222.6
7245.5	47.5°	6851.4	5899.6	2425.2	819.6	388.4	273.6	238.8	222.6	216.8	211.0
7839.1	50°	7294.2	6089.7	2268.7	703.7	335.0	250.4	223.7	212.1	206.4	200.6
8377.0	52.5°	7638.5	6119.9	2010.2	584.3	297.9	233.0	214.5	204.0	197.1	191.3
8811.7	55°	7791.5	5930.9	1642.7	473.0	269.0	217.9	205.2	194.8	186.6	180.8
9153.7	57.5°	7752.1	5533.3	1281.0	380.2	241.1	202.9	193.6	186.6	177.4	168.1
9430.8	60°	7558.5	5001.1	965.7	316.5	215.6	186.6	180.8	175.1	162.3	148.4
9537.4	62.5°	7223.5	4332.2	688.6	262.0	187.8	168.1	165.8	161.1	142.6	117.1
9379.8	65°	6711.1	3519.6	463.7	217.9	161.1	147.2	148.4	140.3	115.9	86.9
8802.4	67.5°	5962.2	2573.6	296.8	178.5	134.5	122.9	124.0	119.4	98.5	74.2
7708.1	70°	5008.1	1704.1	193.6	135.6	107.8	95.1	102.0	103.2	83.5	60.3
5915.8	72.5°	3671.4	1006.3	135.6	100.9	78.8	66.1	83.5	85.8	67.2	45.2
3559.0	75°	2092.5	477.6	102.0	73.0	48.7	46.4	64.9	64.9	46.4	30.1
1540.7	77.5°	878.7	199.4	71.9	47.5	27.8	26.7	44.1	40.6	23.2	13.9
375.6	80°	253.9	89.3	38.3	23.2	11.6	10.4	17.4	12.8	5.8	2.3
142.6	82.5°	99.7	39.4	15.1	9.3	4.6	4.6	2.3	0.0	0.0	0.0
81.1	85°	59.1	16.2	7.0	3.5	1.2	0.0	0.0	0.0	0.0	0.0
17.4	87.5°	15.1	3.5	2.3	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°
2011.4
1997.4
1911.7
1667.0
1323.9
1032.9
864.8
747.7
673.5
620.2
566.9
512.4
461.4
417.3
359.4
310.7
263.2
237.7
222.6
211.0
200.6
190.1
179.7
166.9
146.1
114.8
84.6
70.7
58.0
42.9
27.8
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