

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: McGRAW-EDISON

Report Number: P940736

Luminaire Tested: **GALN-SB3D-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3D-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 900mA 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: 17352 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

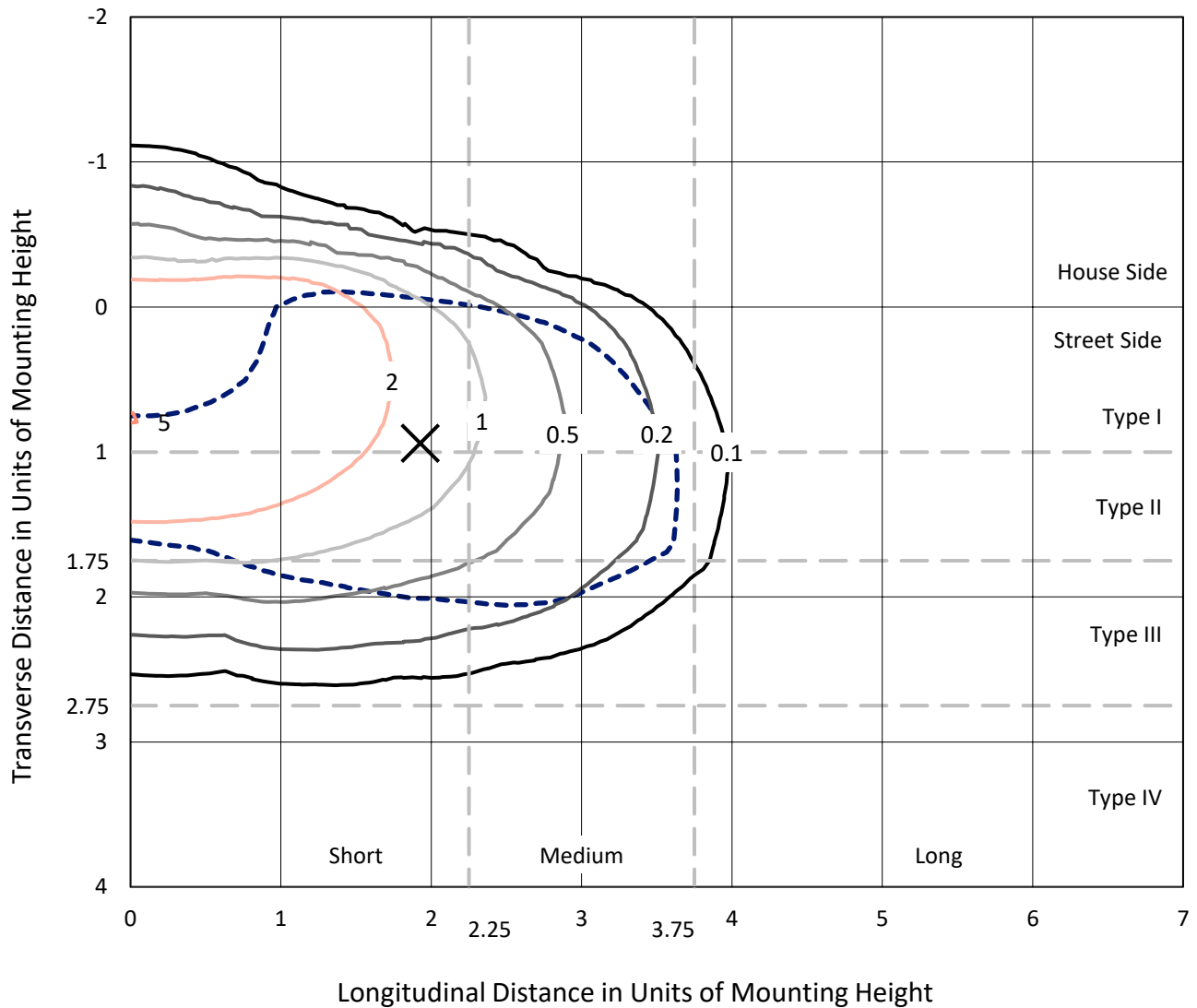
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

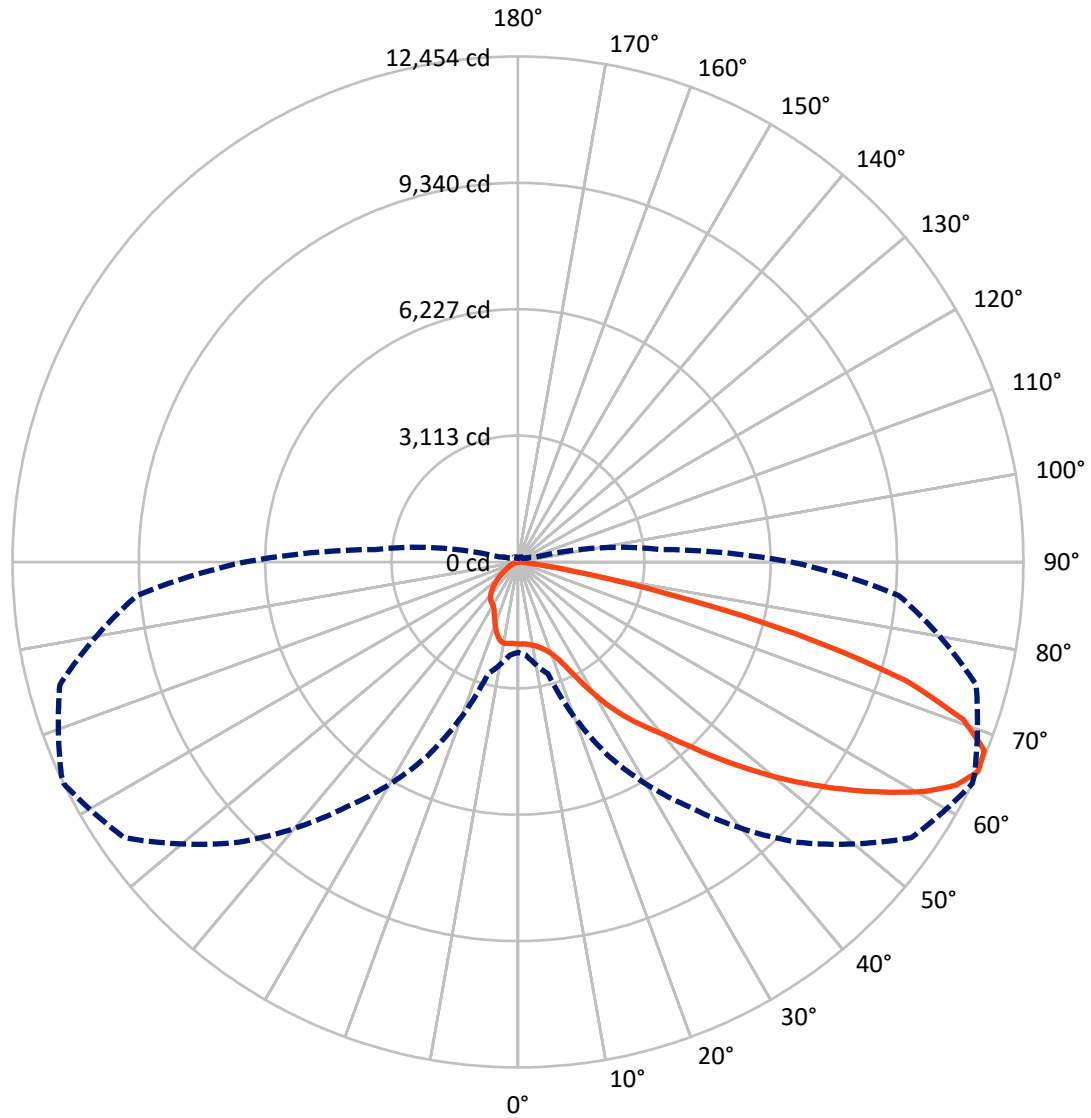
✕ Max cd
 - - - 1/2 Max cd



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	2320.5	0.0	2320.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15031.5	0.0	15031.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	17352.0	0.0	17352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	1.1
10°-20°	505.0	2.9
20°-30°	957.0	5.5
30°-40°	1936.5	11.2
40°-50°	3298.8	19.0
50°-60°	4486.2	25.9
60°-70°	4212.7	24.3
70°-80°	1687.8	9.7
80°-90°	81.8	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°	17352.0	100.0
0°-180°	17352.0	100.0

Coefficient of Utilization



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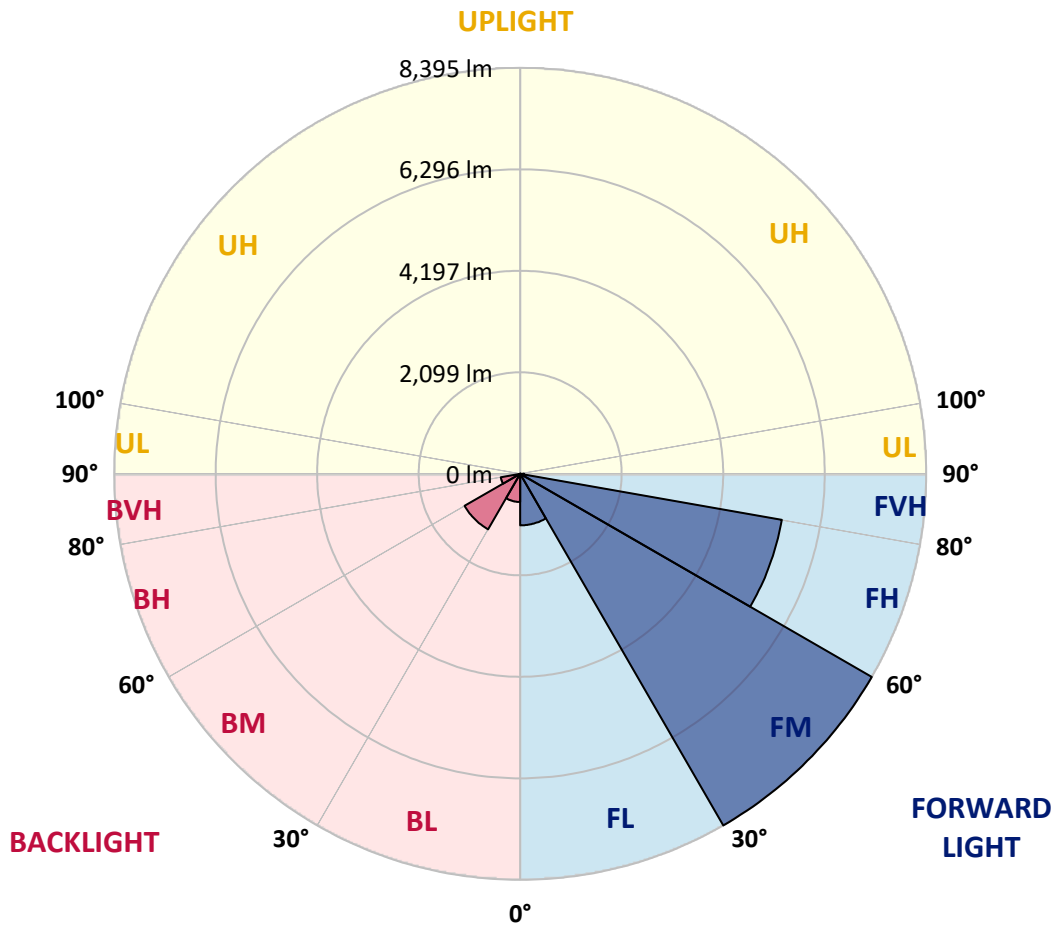
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.6	6.1			
FM (30°-60°)	8394.9	48.4			
FH (60°-80°)	5493.2	31.7			G3/7500
FVH (80°-90°)	77.8	0.4			G1/100
BL (0°-30°)	582.6	3.4	B2/1000		
BM (30°-60°)	1326.6	7.6	B2/2500		
BH (60°-80°)	407.3	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°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2
2.5°	2011.2	2025.2	2021.7	2018.2	2017.1	2019.4	2020.5	2019.4	2019.4	2019.4
5°	1972.9	1984.5	1984.5	1992.6	2004.3	2018.2	2028.7	2031.0	2033.3	2036.8
7.5°	1899.6	1908.9	1915.9	1942.6	1971.7	2008.9	2040.3	2056.6	2058.9	2071.7
10°	1849.5	1861.2	1872.8	1900.7	1942.6	1998.4	2052.0	2091.5	2097.3	2127.6
12.5°	1847.2	1858.9	1874.0	1904.2	1953.1	2012.4	2077.5	2134.5	2145.0	2189.2
15°	1871.6	1885.6	1899.6	1936.8	1989.1	2061.3	2131.1	2202.0	2212.5	2275.3
17.5°	1921.7	1940.3	1950.7	1988.0	2043.8	2124.1	2216.0	2297.4	2306.7	2380.0
20°	2020.5	2042.6	2046.1	2076.4	2131.1	2217.1	2326.5	2427.7	2439.3	2523.1
22.5°	2225.3	2256.7	2228.8	2243.9	2292.7	2378.8	2497.5	2625.4	2641.7	2737.1
25°	2585.9	2630.1	2558.0	2532.4	2553.3	2642.9	2791.8	2953.5	2972.1	3048.8
27.5°	3294.3	3237.3	3127.9	3020.9	2958.1	3009.3	3176.8	3376.9	3400.1	3474.6
30°	4072.5	4022.5	3874.7	3637.4	3488.6	3480.4	3635.1	3858.5	3885.2	3956.2
32.5°	4851.9	4804.2	4643.6	4351.7	4093.4	3965.5	4072.5	4320.3	4334.2	4379.6
35°	5618.4	5569.6	5409.1	5110.1	4792.5	4501.7	4480.8	4760.0	4764.6	4812.3
37.5°	6389.7	6349.0	6178.0	5884.8	5571.9	5170.6	4976.3	5176.4	5182.2	5228.8
40°	6939.9	6957.3	6839.8	6613.0	6344.3	5905.8	5532.4	5619.6	5584.7	5662.6
42.5°	7412.2	7447.0	7344.7	7230.7	7074.8	6688.6	6221.0	6205.9	6150.0	6191.9
45°	7820.4	7849.5	7757.6	7730.9	7727.4	7456.4	6973.6	6882.9	6804.9	6796.8
47.5°	7970.5	8026.3	8065.9	8155.5	8329.9	8215.9	7751.8	7611.1	7523.8	7459.8
50°	8027.5	8086.8	8221.8	8482.3	8895.3	8944.1	8526.5	8368.3	8261.3	8145.0
52.5°	7950.7	8056.6	8238.1	8676.6	9275.7	9528.1	9269.8	9131.4	9009.3	8819.7
55°	7498.2	7604.1	7975.2	8674.3	9465.3	9937.5	9972.4	9910.8	9773.5	9474.6
57.5°	6544.4	6701.4	7288.8	8378.8	9461.8	10290.0	10661.1	10705.3	10551.7	10123.7
60°	5222.9	5435.8	6152.4	7723.9	9169.8	10480.8	11264.8	11485.8	11323.0	10763.4
62.5°	3644.4	3891.0	4569.2	6697.9	8502.1	10343.5	11705.7	12114.0	11990.7	11335.8
65°	2222.9	2302.0	2848.8	5270.6	7366.8	9768.9	11841.8	12453.6	12412.9	11685.9
67.5°	1480.8	1547.1	1704.1	3614.2	5718.5	8620.8	11516.1	12394.3	12405.9	11628.9
70°	892.2	949.2	1051.6	2102.0	3706.1	6823.6	10507.5	11638.2	11705.7	10867.0
72.5°	367.6	406.0	499.0	952.7	1919.3	4330.7	8367.2	9992.2	10149.3	9137.2
75°	208.2	228.0	293.1	478.1	832.9	2018.2	5068.2	7093.4	7324.9	6297.8
77.5°	138.4	147.7	189.6	309.4	468.8	688.6	2165.9	3695.6	4137.6	3439.7
80°	93.1	101.2	130.3	207.1	304.8	295.5	689.8	1369.1	1684.4	1181.8
82.5°	62.8	64.0	93.1	136.1	193.1	143.1	203.6	425.7	535.1	342.0
85°	36.1	34.9	68.6	79.1	86.1	59.3	61.7	128.0	167.5	144.2
87.5°	4.7	7.0	26.8	20.9	11.6	12.8	12.8	22.1	32.6	34.9
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°
2018.2	0°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2
2020.5	2.5°	2020.5	2019.4	2015.9	2012.4	2004.3	1999.6	2001.9	1999.6	1998.4	1999.6
2035.7	5°	2035.7	2032.2	2022.9	2011.2	1995.0	1975.2	1962.4	1943.8	1926.3	1915.9
2076.4	7.5°	2076.4	2072.9	2060.1	2027.5	1975.2	1892.6	1817.0	1750.7	1700.7	1671.6
2141.5	10°	2141.5	2135.7	2115.9	2043.8	1906.5	1726.2	1576.2	1451.7	1370.3	1331.9
2218.3	12.5°	2218.3	2211.3	2176.4	2028.7	1776.3	1494.8	1287.7	1149.3	1073.7	1039.9
2306.7	15°	2309.0	2299.7	2231.1	1956.6	1586.7	1238.8	1049.2	945.7	896.9	866.6
2419.5	17.5°	2421.9	2405.6	2271.8	1848.4	1380.8	1043.4	902.7	824.7	781.7	752.6
2567.3	20°	2568.4	2541.7	2304.4	1719.3	1191.2	920.1	803.8	738.7	706.1	680.5
2776.6	22.5°	2773.2	2734.8	2343.9	1579.7	1057.4	835.2	730.5	682.8	656.1	627.0
3068.6	25°	3026.7	2981.4	2392.8	1450.6	965.5	761.9	677.0	637.5	606.0	572.3
3451.3	27.5°	3381.5	3300.1	2450.9	1344.7	886.4	699.1	628.1	583.9	547.9	520.0
3885.2	30°	3777.0	3643.3	2502.1	1280.7	814.3	640.9	564.2	520.0	486.2	466.5
4274.9	32.5°	4151.6	3970.1	2535.9	1252.8	749.1	574.6	494.4	446.7	421.1	415.3
4656.4	35°	4505.2	4265.6	2532.4	1226.1	691.0	508.3	425.7	376.9	357.1	360.6
5067.1	37.5°	4912.4	4580.8	2507.9	1184.2	643.3	447.8	366.4	323.4	305.9	307.1
5566.1	40°	5385.8	4944.9	2492.8	1105.1	590.9	392.0	317.6	282.7	269.9	265.2
6091.9	42.5°	5890.6	5297.4	2495.1	1015.5	525.8	342.0	283.8	254.7	243.1	239.6
6677.0	45°	6397.8	5633.6	2498.6	922.4	457.2	303.6	259.4	235.0	228.0	223.3
7270.2	47.5°	6874.7	5919.7	2433.5	822.4	389.7	274.5	239.6	223.3	217.5	211.7
7865.8	50°	7319.1	6110.5	2276.5	706.1	336.2	251.3	224.5	212.9	207.1	201.2
8405.6	52.5°	7664.6	6140.7	2017.1	586.3	299.0	233.8	215.2	204.7	197.8	191.9
8841.8	55°	7818.1	5951.1	1648.3	474.6	269.9	218.7	205.9	195.4	187.3	181.5
9184.9	57.5°	7778.6	5552.1	1285.4	381.5	242.0	203.6	194.3	187.3	178.0	168.7
9462.9	60°	7584.3	5018.2	969.0	317.6	216.4	187.3	181.5	175.6	162.9	148.9
9570.0	62.5°	7248.1	4347.0	691.0	262.9	188.4	168.7	166.3	161.7	143.1	117.5
9411.8	65°	6734.0	3531.6	465.3	218.7	161.7	147.7	148.9	140.8	116.3	87.2
8832.5	67.5°	5982.5	2582.4	297.8	179.1	134.9	123.3	124.5	119.8	98.9	74.4
7734.4	70°	5025.2	1710.0	194.3	136.1	108.2	95.4	102.4	103.5	83.8	60.5
5936.0	72.5°	3684.0	1009.7	136.1	101.2	79.1	66.3	83.8	86.1	67.5	45.4
3571.1	75°	2099.6	479.3	102.4	73.3	48.9	46.5	65.1	65.1	46.5	30.2
1545.9	77.5°	881.7	200.1	72.1	47.7	27.9	26.8	44.2	40.7	23.3	14.0
376.9	80°	254.7	89.6	38.4	23.3	11.6	10.5	17.4	12.8	5.8	2.3
143.1	82.5°	100.0	39.6	15.1	9.3	4.7	4.7	2.3	0.0	0.0	0.0
81.4	85°	59.3	16.3	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°
2018.2
2004.3
1918.2
1672.7
1328.4
1036.4
867.8
750.3
675.8
622.3
568.8
514.2
463.0
418.8
360.6
311.7
264.1
238.5
223.3
211.7
201.2
190.8
180.3
167.5
146.6
115.2
84.9
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58.2
43.0
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