

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: P848207

Luminaire Tested: **GLAN-SB4C-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848207
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-SB4C-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 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: 15881 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

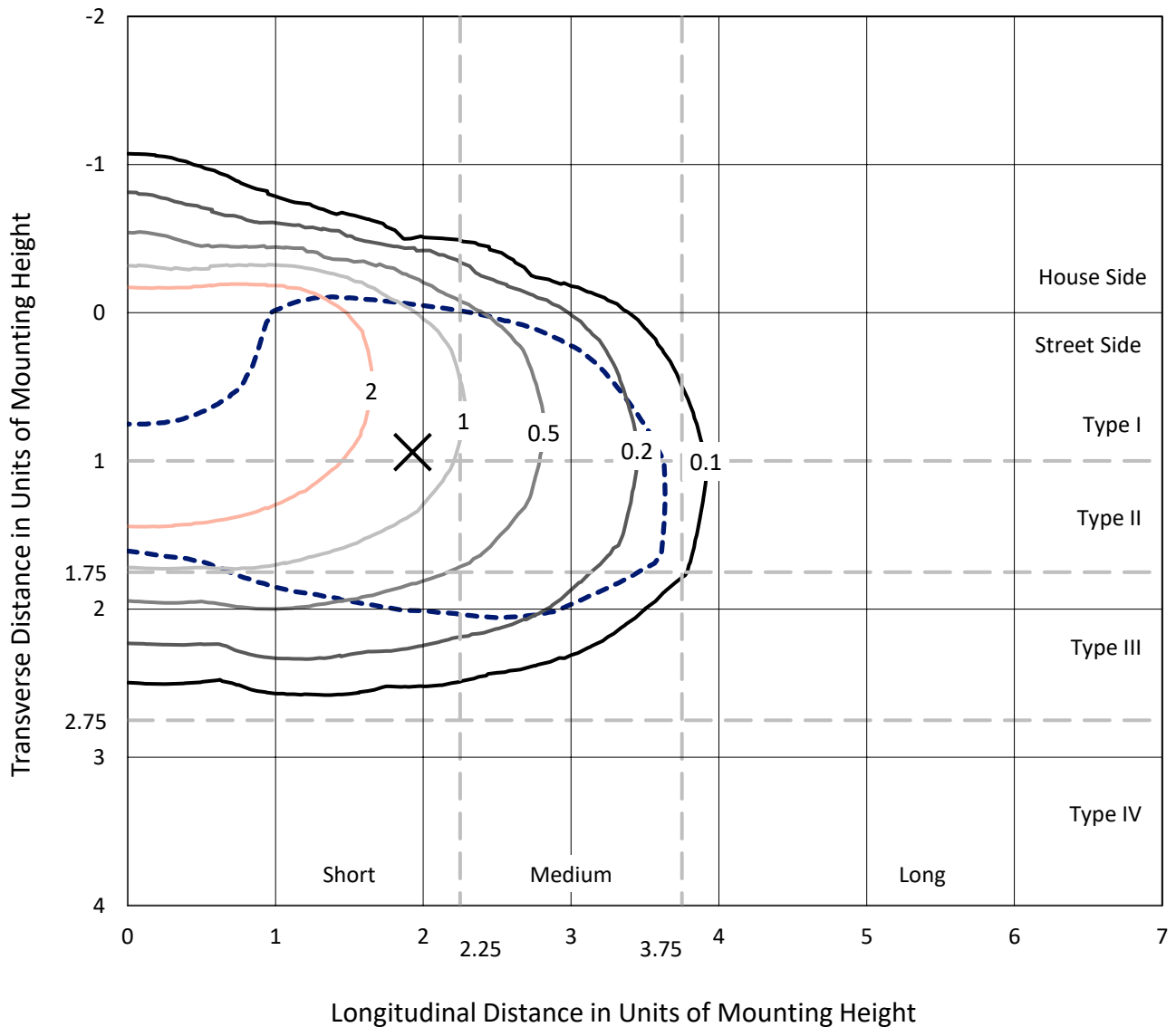
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

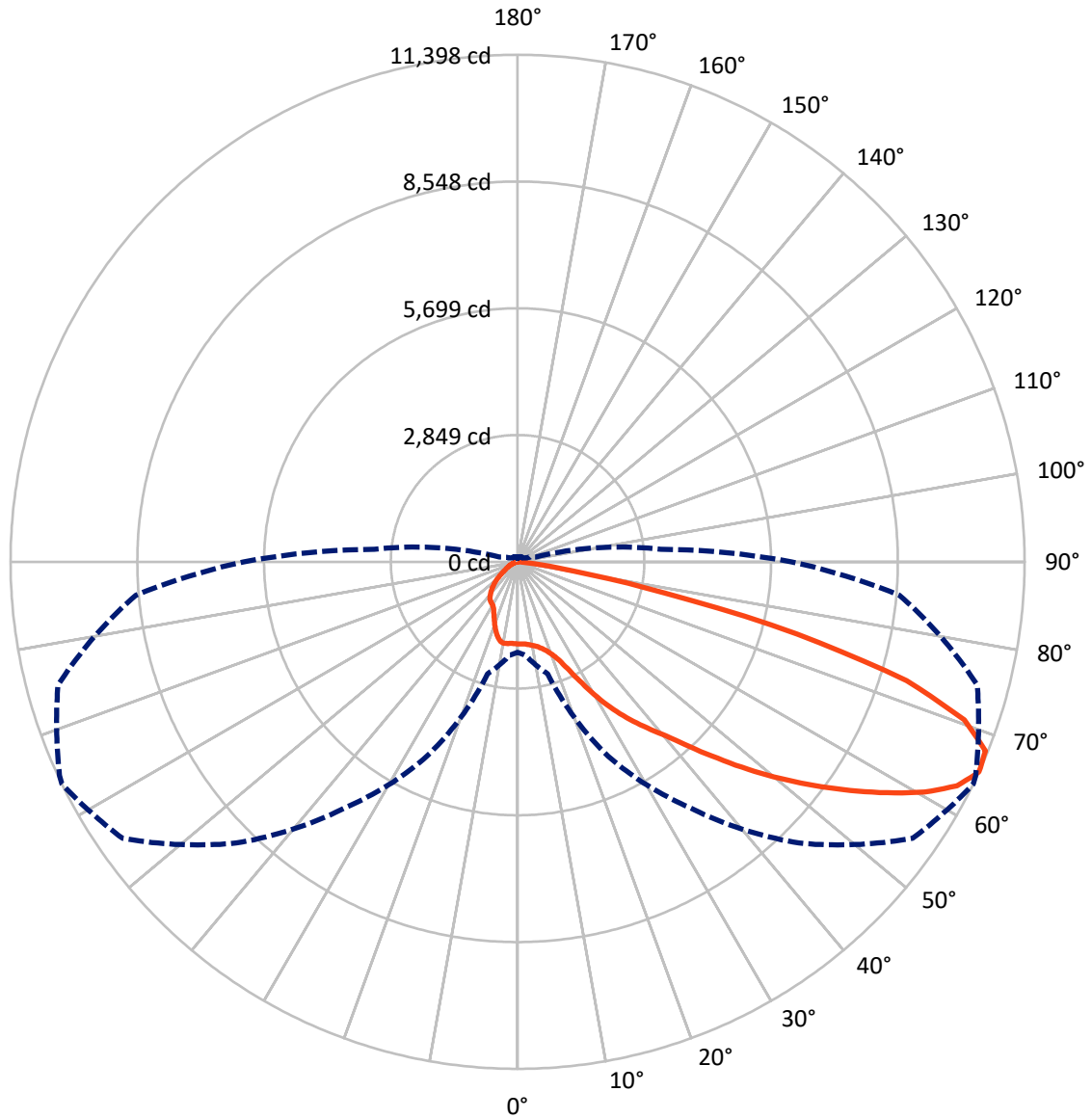
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	2123.8	0.0	2123.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13757.2	0.0	13757.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	15881.0	0.0	15881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	1.1
10°-20°	462.2	2.9
20°-30°	875.9	5.5
30°-40°	1772.3	11.2
40°-50°	3019.2	19.0
50°-60°	4105.9	25.9
60°-70°	3855.6	24.3
70°-80°	1544.7	9.7
80°-90°	74.8	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°	15881.0	100.0
0°-180°	15881.0	100.0

Coefficient of Utilization



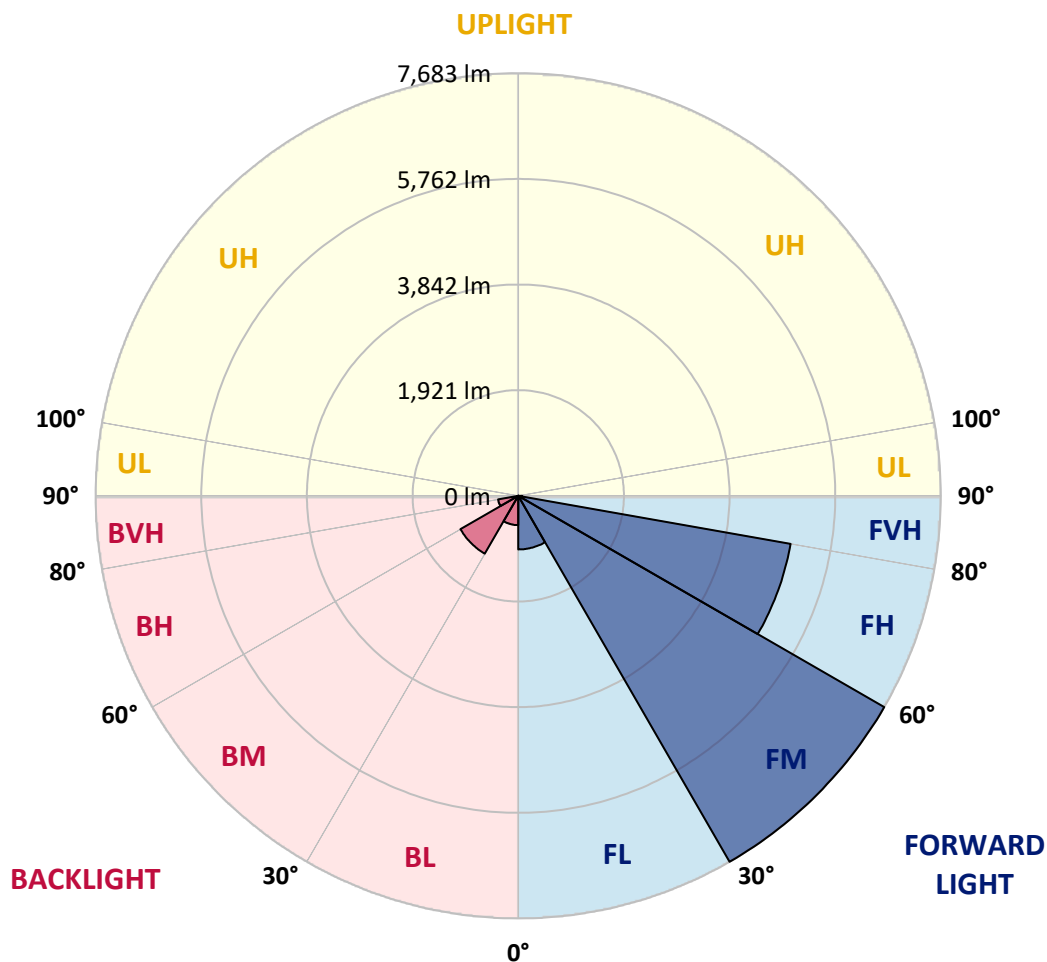
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	975.3	6.1			
FM (30°-60°)	7683.2	48.4			
FH (60°-80°)	5027.6	31.7			G3/7500
FVH (80°-90°)	71.2	0.4			G1/100
BL (0°-30°)	533.2	3.4	B2/1000		
BM (30°-60°)	1214.1	7.6	B2/2500		
BH (60°-80°)	372.8	2.3	B1/500		G1/500
BVH (80°-90°)	3.7	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°	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1
2.5°	1840.7	1853.5	1850.3	1847.1	1846.1	1848.2	1849.3	1848.2	1848.2	1848.2
5°	1805.6	1816.3	1816.3	1823.7	1834.3	1847.1	1856.7	1858.8	1861.0	1864.2
7.5°	1738.5	1747.1	1753.4	1777.9	1804.5	1838.6	1867.4	1882.3	1884.4	1896.1
10°	1692.8	1703.4	1714.0	1739.6	1777.9	1829.0	1878.0	1914.2	1919.5	1947.2
12.5°	1690.6	1701.3	1715.1	1742.8	1787.5	1841.8	1901.4	1953.6	1963.2	2003.6
15°	1713.0	1725.8	1738.5	1772.6	1820.5	1886.5	1950.4	2015.3	2024.9	2082.4
17.5°	1758.8	1775.8	1785.4	1819.4	1870.5	1944.0	2028.1	2102.6	2111.2	2178.2
20°	1849.3	1869.5	1872.7	1900.4	1950.4	2029.2	2129.3	2221.9	2232.5	2309.2
22.5°	2036.6	2065.4	2039.8	2053.7	2098.4	2177.2	2285.8	2402.9	2417.8	2505.1
25°	2366.7	2407.1	2341.1	2317.7	2336.9	2418.8	2555.1	2703.1	2720.1	2790.4
27.5°	3015.0	2962.9	2862.8	2764.8	2707.3	2754.2	2907.5	3090.6	3111.9	3180.0
30°	3727.3	3681.5	3546.3	3329.1	3192.8	3185.4	3327.0	3531.4	3555.8	3620.8
32.5°	4440.6	4396.9	4250.0	3982.8	3746.4	3629.3	3727.3	3954.0	3966.8	4008.3
35°	5142.1	5097.4	4950.5	4676.9	4386.3	4120.1	4100.9	4356.4	4360.7	4404.4
37.5°	5848.0	5810.7	5654.2	5385.9	5099.6	4732.3	4554.5	4737.6	4742.9	4785.5
40°	6351.6	6367.5	6260.0	6052.4	5806.5	5405.1	5063.4	5143.2	5111.3	5182.6
42.5°	6783.8	6815.7	6722.0	6617.7	6475.1	6121.6	5693.6	5679.8	5628.7	5667.0
45°	7157.5	7184.1	7100.0	7075.5	7072.3	6824.2	6382.4	6299.4	6228.1	6220.6
47.5°	7294.8	7345.9	7382.1	7464.1	7623.8	7519.4	7094.7	6965.8	6886.0	6827.4
50°	7347.0	7401.3	7524.8	7763.2	8141.2	8185.9	7803.7	7658.9	7561.0	7454.5
52.5°	7276.7	7373.6	7539.7	7941.0	8489.3	8720.3	8484.0	8357.3	8245.5	8072.0
55°	6862.6	6959.5	7299.1	7938.9	8662.9	9095.1	9127.0	9070.6	8945.0	8671.4
57.5°	5989.6	6133.3	6670.9	7668.5	8659.7	9417.7	9757.3	9797.7	9657.2	9265.4
60°	4780.2	4975.0	5630.8	7069.1	8392.4	9592.3	10309.8	10512.1	10363.1	9851.0
62.5°	3335.5	3561.2	4181.8	6130.1	7781.3	9466.6	10713.3	11087.0	10974.2	10374.8
65°	2034.5	2106.9	2607.3	4823.8	6742.3	8940.7	10837.9	11397.9	11360.6	10695.2
67.5°	1355.3	1416.0	1559.7	3307.8	5233.7	7889.9	10539.8	11343.6	11354.2	10643.1
70°	816.6	868.7	962.4	1923.8	3391.9	6245.1	9616.8	10651.6	10713.3	9945.7
72.5°	336.4	371.6	456.7	871.9	1756.6	3963.6	7657.9	9145.1	9288.9	8362.6
75°	190.6	208.7	268.3	437.6	762.3	1847.1	4638.6	6492.1	6703.9	5763.9
77.5°	126.7	135.2	173.5	283.2	429.0	630.3	1982.3	3382.3	3786.9	3148.1
80°	85.2	92.6	119.2	189.5	278.9	270.4	631.3	1253.1	1541.6	1081.7
82.5°	57.5	58.6	85.2	124.6	176.7	130.9	186.3	389.7	489.7	313.0
85°	33.0	31.9	62.8	72.4	78.8	54.3	56.4	117.1	153.3	132.0
87.5°	4.3	6.4	24.5	19.2	10.6	11.7	11.7	20.2	29.8	31.9
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°
1847.1	0°	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1	1847.1
1849.3	2.5°	1849.3	1848.2	1845.0	1841.8	1834.3	1830.1	1832.2	1830.1	1829.0	1830.1
1863.1	5°	1863.1	1859.9	1851.4	1840.7	1825.8	1807.7	1796.0	1779.0	1763.0	1753.4
1900.4	7.5°	1900.4	1897.2	1885.5	1855.6	1807.7	1732.1	1662.9	1602.3	1556.5	1529.9
1960.0	10°	1960.0	1954.7	1936.6	1870.5	1744.9	1579.9	1442.6	1328.7	1254.1	1219.0
2030.2	12.5°	2030.2	2023.9	1991.9	1856.7	1625.7	1368.0	1178.5	1051.8	982.6	951.8
2111.2	15°	2113.3	2104.8	2042.0	1790.7	1452.1	1133.8	960.3	865.5	820.8	793.1
2214.4	17.5°	2216.6	2201.6	2079.2	1691.7	1263.7	955.0	826.1	754.8	715.4	688.8
2349.6	20°	2350.7	2326.2	2109.0	1573.5	1090.2	842.1	735.7	676.0	646.2	622.8
2541.3	22.5°	2538.1	2502.9	2145.2	1445.8	967.7	764.4	668.6	624.9	600.4	573.8
2808.5	25°	2770.2	2728.6	2189.9	1327.6	883.6	697.3	619.6	583.4	554.7	523.8
3158.7	27.5°	3094.9	3020.3	2243.2	1230.7	811.2	639.8	574.9	534.4	501.4	475.9
3555.8	30°	3456.8	3334.4	2290.0	1172.2	745.2	586.6	516.3	475.9	445.0	426.9
3912.5	32.5°	3799.6	3633.6	2320.9	1146.6	685.6	525.9	452.5	408.8	385.4	380.1
4261.7	35°	4123.3	3904.0	2317.7	1122.1	632.4	465.2	389.7	344.9	326.8	330.0
4637.5	37.5°	4495.9	4192.5	2295.3	1083.8	588.7	409.9	335.4	296.0	280.0	281.1
5094.2	40°	4929.2	4525.7	2281.5	1011.4	540.8	358.8	290.6	258.7	247.0	242.7
5575.4	42.5°	5391.3	4848.3	2283.6	929.4	481.2	313.0	259.8	233.2	222.5	219.3
6111.0	45°	5855.4	5156.0	2286.8	844.2	418.4	277.9	237.4	215.1	208.7	204.4
6653.9	47.5°	6291.9	5417.9	2227.2	752.7	356.6	251.3	219.3	204.4	199.1	193.8
7199.0	50°	6698.6	5592.5	2083.5	646.2	307.7	230.0	205.5	194.8	189.5	184.2
7693.0	52.5°	7014.8	5620.2	1846.1	536.6	273.6	214.0	197.0	187.4	181.0	175.7
8092.2	55°	7155.3	5446.6	1508.6	434.4	247.0	200.1	188.4	178.9	171.4	166.1
8406.3	57.5°	7119.2	5081.5	1176.4	349.2	221.4	186.3	177.8	171.4	162.9	154.4
8660.7	60°	6941.4	4592.8	886.8	290.6	198.0	171.4	166.1	160.8	149.0	136.3
8758.7	62.5°	6633.7	3978.5	632.4	240.6	172.5	154.4	152.2	148.0	130.9	107.5
8613.9	65°	6163.1	3232.2	425.9	200.1	148.0	135.2	136.3	128.8	106.5	79.8
8083.7	67.5°	5475.4	2363.5	272.5	164.0	123.5	112.9	113.9	109.7	90.5	68.1
7078.7	70°	4599.2	1565.0	177.8	124.6	99.0	87.3	93.7	94.8	76.7	55.4
5432.8	72.5°	3371.7	924.1	124.6	92.6	72.4	60.7	76.7	78.8	61.7	41.5
3268.4	75°	1921.6	438.6	93.7	67.1	44.7	42.6	59.6	59.6	42.6	27.7
1414.9	77.5°	807.0	183.1	66.0	43.6	25.6	24.5	40.5	37.3	21.3	12.8
344.9	80°	233.2	82.0	35.1	21.3	10.6	9.6	16.0	11.7	5.3	2.1
130.9	82.5°	91.6	36.2	13.8	8.5	4.3	4.3	2.1	0.0	0.0	0.0
74.5	85°	54.3	14.9	6.4	3.2	1.1	0.0	0.0	0.0	0.0	0.0
16.0	87.5°	13.8	3.2	2.1	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

<u>180°</u>
1847.1
1834.3
1755.6
1530.9
1215.8
948.6
794.2
686.7
618.5
569.6
520.6
470.6
423.7
383.3
330.0
285.3
241.7
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204.4
193.8
184.2
174.6
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153.3
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