

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: P846885

Luminaire Tested: **GLAN-SB2D-722-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846885  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11620 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

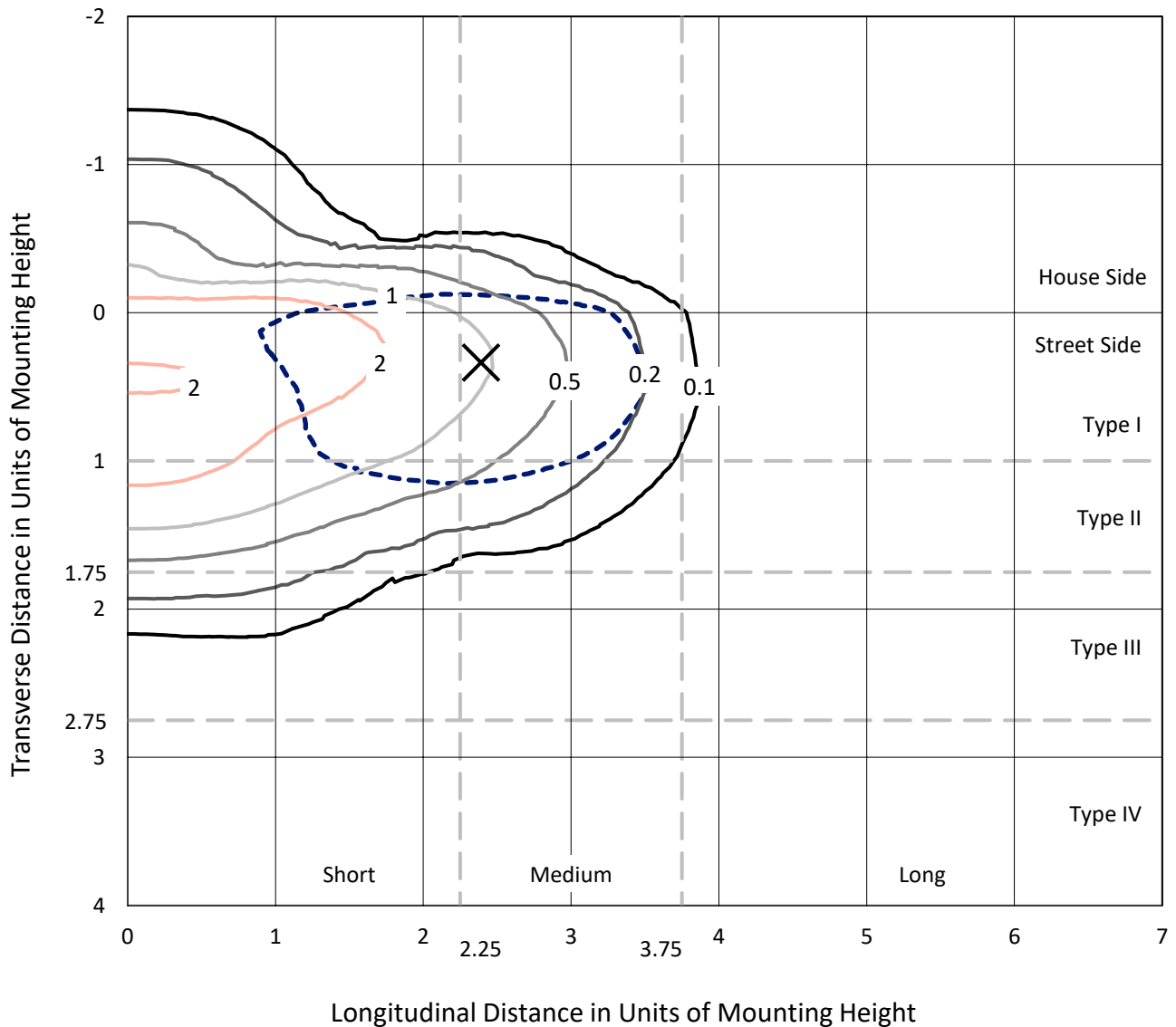
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

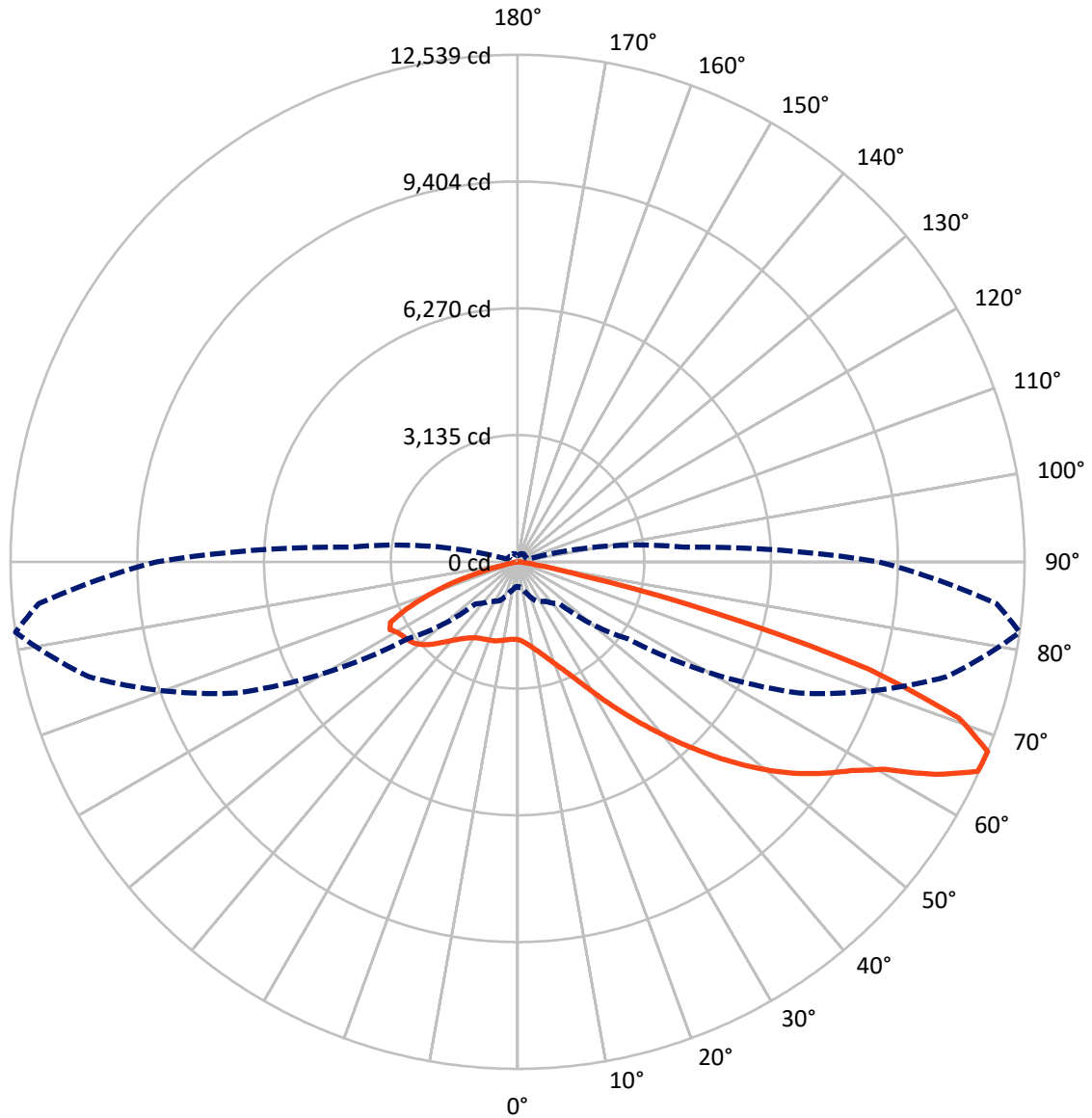
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2104.9	0.0	2104.9
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	9515.1	0.0	9515.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	11620.0	0.0	11620.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.5	1.5
10°-20°	445.7	3.8
20°-30°	713.8	6.1
30°-40°	1262.3	10.9
40°-50°	2211.6	19.0
50°-60°	2949.7	25.4
60°-70°	2746.0	23.6
70°-80°	1053.9	9.1
80°-90°	65.5	0.6
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°	11620.0	100.0
0°-180°	11620.0	100.0

**Coefficient of Utilization**

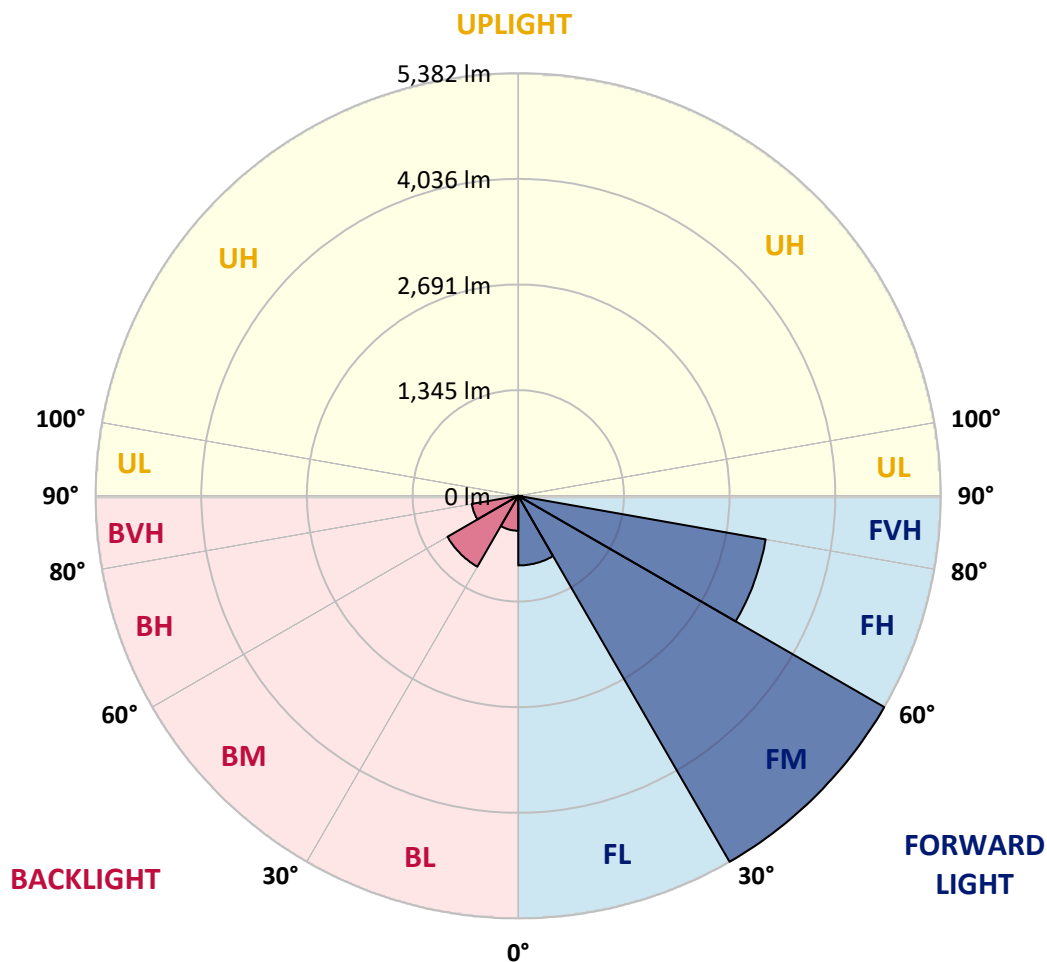


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.5	7.6			
FM (30°-60°)	5381.9	46.3			
FH (60°-80°)	3199.2	27.5			G2/5000
FVH (80°-90°)	47.6	0.4			G1/100
BL (0°-30°)	444.5	3.8	B1/500		
BM (30°-60°)	1041.7	9.0	B2/2500		
BH (60°-80°)	600.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	17.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0
2.5°	2034.6	2046.3	2039.7	2036.3	2030.5	2022.1	2015.4	1994.5	1972.7	1958.5
5°	2075.6	2087.3	2086.5	2089.9	2094.0	2096.5	2094.9	2071.4	2040.5	2016.2
7.5°	2040.5	2053.9	2064.8	2081.5	2110.8	2141.7	2156.8	2151.8	2120.0	2086.5
10°	1940.9	1955.2	1981.1	2020.4	2082.3	2149.3	2205.3	2231.2	2211.2	2174.4
12.5°	1758.6	1772.8	1823.8	1909.1	2012.9	2129.2	2236.3	2305.7	2310.7	2273.9
15°	1553.6	1567.8	1622.2	1729.3	1887.4	2074.0	2253.0	2384.3	2428.7	2396.9
17.5°	1426.4	1439.0	1480.0	1566.1	1730.9	1963.5	2247.1	2468.0	2569.2	2544.1
20°	1387.9	1398.8	1418.1	1478.3	1615.5	1848.9	2208.7	2546.6	2720.7	2706.4
22.5°	1428.9	1439.0	1444.8	1471.6	1557.8	1773.6	2160.1	2627.0	2896.3	2898.0
25°	1523.5	1533.5	1526.8	1543.5	1581.2	1750.2	2141.7	2721.5	3117.2	3135.6
27.5°	1679.1	1679.9	1664.0	1663.2	1669.0	1785.3	2161.0	2822.7	3395.8	3430.1
30°	1991.1	1978.6	1917.5	1851.4	1821.3	1890.7	2214.5	2942.4	3724.6	3785.7
32.5°	2472.2	2453.8	2341.7	2183.6	2024.6	2060.6	2310.7	3078.7	4082.7	4193.1
35°	2994.2	2989.2	2872.1	2637.0	2359.2	2302.4	2467.2	3257.8	4473.4	4649.0
37.5°	3479.5	3477.0	3410.0	3133.1	2795.1	2639.5	2718.1	3492.0	4891.7	5146.0
40°	3922.9	3930.4	3863.5	3615.8	3275.3	3072.0	3059.5	3781.5	5356.8	5687.3
42.5°	4306.0	4314.4	4246.6	4063.4	3749.7	3550.6	3478.6	4136.2	5811.1	6268.7
45°	4566.2	4618.1	4608.1	4461.6	4236.6	4030.0	3982.3	4581.3	6329.0	6885.3
47.5°	4639.8	4687.5	4762.8	4782.9	4645.7	4442.4	4499.3	5117.5	6852.7	7502.7
50°	4458.3	4502.6	4659.1	4867.4	4962.8	4900.0	5002.1	5692.3	7388.9	8118.5
52.5°	4100.2	4145.4	4342.8	4672.5	5061.5	5258.9	5506.6	6258.7	7908.5	8701.6
55°	3582.4	3630.1	3883.5	4256.7	4873.3	5407.0	5927.4	6824.2	8384.5	9226.1
57.5°	2877.9	2913.1	3176.6	3698.7	4399.7	5259.8	6237.8	7441.7	8832.9	9741.5
60°	1875.7	1906.6	2212.8	2795.1	3615.0	4767.8	6299.7	8130.2	9428.6	10411.6
62.5°	1247.4	1268.3	1449.8	1877.4	2545.8	3823.3	5937.4	8679.8	10302.0	11577.9
65°	855.9	876.8	1058.3	1356.1	1644.8	2529.1	4895.8	8607.0	11093.5	12504.0
67.5°	610.7	628.3	782.2	1063.3	1190.5	1469.1	3318.8	7676.7	10979.7	12539.1
70°	437.5	447.6	574.8	828.2	946.2	882.6	1845.6	5871.3	9613.5	11578.7
72.5°	306.2	309.5	399.1	630.8	762.2	644.2	878.4	3914.5	7271.0	9088.1
75°	207.5	211.7	268.6	462.6	611.6	491.9	465.2	2099.1	4268.4	5030.5
77.5°	127.2	128.8	173.2	316.2	457.6	374.8	299.5	889.3	1651.5	1621.4
80°	71.9	71.9	110.4	196.6	312.1	241.8	210.0	378.1	522.9	459.3
82.5°	40.2	41.0	80.3	122.1	206.6	143.1	115.5	174.9	225.9	199.9
85°	16.7	18.4	49.4	57.7	98.7	71.1	46.9	73.6	83.7	74.5
87.5°	1.7	2.5	15.1	10.9	11.7	14.2	6.7	14.2	11.7	11.7
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°
1925.0	0°	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0	1925.0
1953.5	2.5°	1937.6	1925.0	1893.2	1856.4	1807.9	1784.5	1752.7	1730.9	1712.5	1714.2
2002.0	5°	1975.2	1943.4	1872.3	1783.7	1673.2	1594.6	1510.9	1453.2	1406.3	1396.3
2068.9	7.5°	2027.1	1976.9	1852.3	1692.5	1505.9	1364.5	1238.2	1157.0	1099.3	1080.9
2150.1	10°	2094.0	2021.3	1826.3	1577.8	1309.3	1129.4	993.9	930.3	891.0	877.6
2245.5	12.5°	2171.8	2072.3	1792.0	1438.1	1106.8	933.7	847.5	815.7	803.1	799.0
2362.6	15°	2269.7	2135.9	1740.1	1272.5	935.3	814.0	777.2	773.0	774.7	773.0
2503.1	17.5°	2386.0	2205.3	1655.7	1101.8	819.9	752.9	739.6	742.9	747.1	746.3
2660.4	20°	2513.2	2273.9	1547.7	950.4	741.2	709.4	701.9	705.3	708.6	706.9
2842.0	22.5°	2657.9	2347.5	1428.1	832.4	688.5	669.3	660.9	661.8	661.8	658.4
3072.0	25°	2831.1	2428.7	1302.6	748.8	648.4	633.3	623.3	619.9	614.9	604.9
3351.5	27.5°	3037.7	2514.9	1182.1	690.2	616.6	602.4	590.6	582.3	569.7	553.0
3686.9	30°	3270.3	2619.4	1080.1	653.4	591.5	577.3	563.9	551.3	532.9	512.0
4072.6	32.5°	3543.9	2731.5	1005.6	629.1	568.9	553.8	537.9	522.9	502.8	481.9
4506.0	35°	3870.2	2867.1	962.1	612.4	551.3	531.2	513.7	496.9	481.9	463.5
4977.0	37.5°	4224.0	3011.0	948.7	604.0	539.6	508.7	488.6	476.9	475.2	464.3
5486.5	40°	4611.4	3181.6	958.8	599.0	527.1	486.9	465.2	462.6	466.8	447.6
6031.1	42.5°	5021.3	3384.1	975.5	593.2	509.5	465.2	444.2	444.2	440.9	414.1
6606.7	45°	5464.7	3617.5	992.2	578.9	488.6	443.4	427.5	421.7	407.4	381.5
7185.6	47.5°	5911.5	3855.1	1004.8	553.0	463.5	425.0	410.8	397.4	376.5	353.0
7753.7	50°	6335.7	4068.4	991.4	514.5	435.0	407.4	392.4	374.0	351.4	335.5
8291.6	52.5°	6714.6	4253.3	934.5	469.3	404.9	389.0	375.6	356.4	338.0	321.3
8776.9	55°	7044.3	4403.1	834.1	426.7	378.1	373.1	359.7	335.5	310.4	296.2
9257.9	57.5°	7360.5	4516.9	708.6	391.5	353.9	355.6	335.5	313.7	290.3	275.2
9906.3	60°	7781.3	4669.1	581.4	358.9	328.0	333.0	311.2	295.3	266.0	246.8
11018.2	62.5°	8453.9	4905.9	461.8	318.7	297.8	299.5	290.3	271.1	235.9	213.3
11842.2	65°	8987.7	4818.9	363.9	275.2	263.5	266.0	266.0	245.1	207.5	181.5
11886.6	67.5°	8927.5	4126.2	290.3	232.6	230.9	232.6	238.4	220.9	184.1	163.1
10981.3	70°	8223.9	3282.0	232.6	193.3	200.8	196.6	213.3	201.6	165.6	144.7
8513.3	72.5°	6710.5	2364.3	177.4	159.8	153.9	160.6	192.4	181.5	138.0	114.6
4509.3	75°	3921.2	1261.6	132.2	126.3	111.3	133.9	170.7	154.8	105.4	84.5
1382.1	77.5°	1276.7	440.1	97.0	92.9	82.8	107.9	145.6	130.5	86.2	66.9
404.9	80°	342.2	133.0	66.1	61.1	53.5	80.3	115.5	103.7	61.9	43.5
174.0	82.5°	137.2	56.1	38.5	34.3	29.3	55.2	91.2	83.7	46.0	27.6
54.4	85°	44.3	18.4	14.2	10.9	13.4	34.3	54.4	56.9	32.6	14.2
8.4	87.5°	5.9	2.5	2.5	3.3	2.5	5.9	16.7	15.9	9.2	1.7
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°
1925.0
1697.5
1373.7
1062.5
867.6
796.5
772.2
744.6
706.1
656.7
603.2
551.3
510.3
482.7
461.8
463.5
448.4
414.1
380.7
352.2
333.0
319.6
294.5
273.6
244.3
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179.0
159.8
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