

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: P847697

Luminaire Tested: **GLAN-SB3D-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847697
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-SB3D-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 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: 16155 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

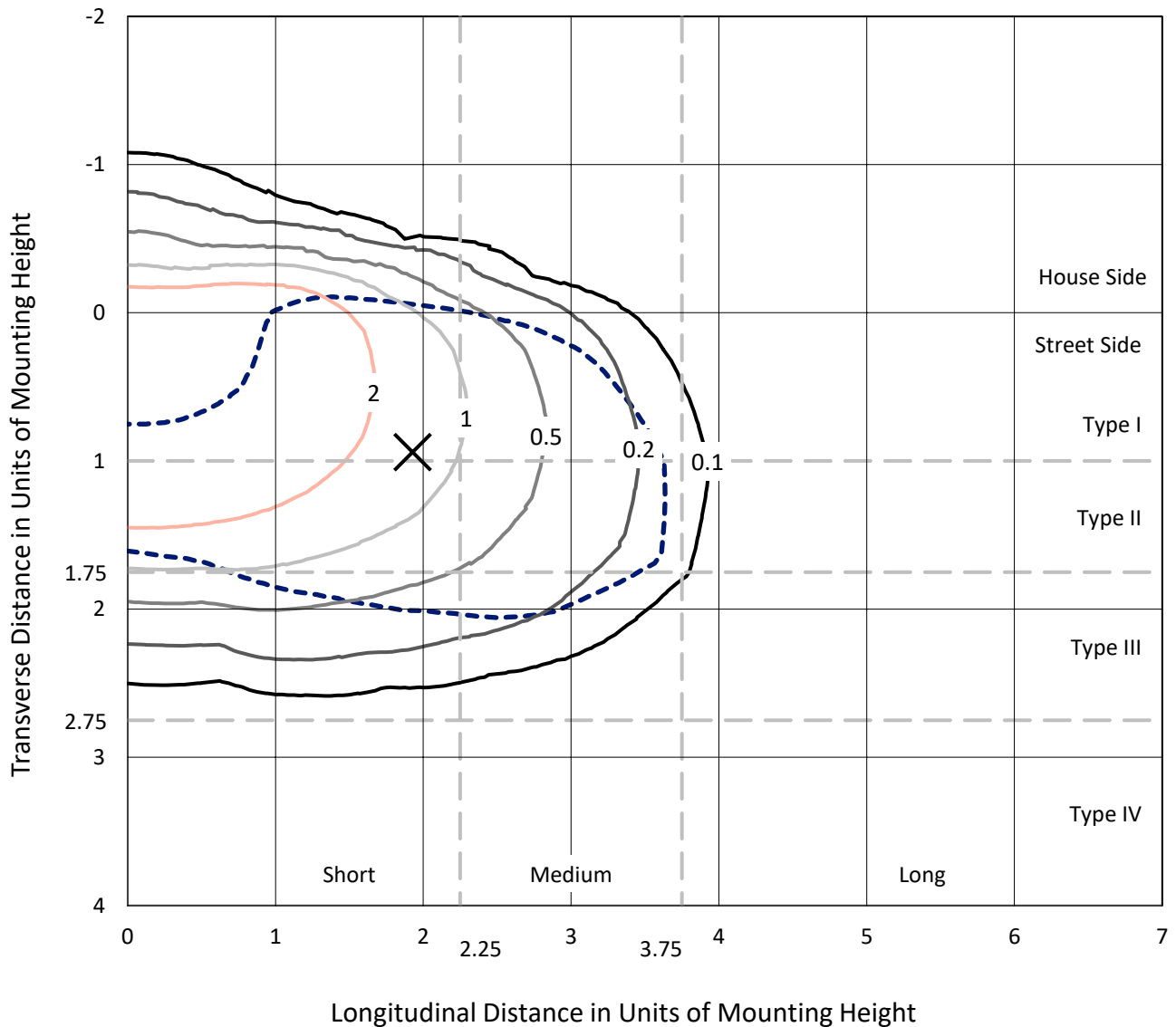
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

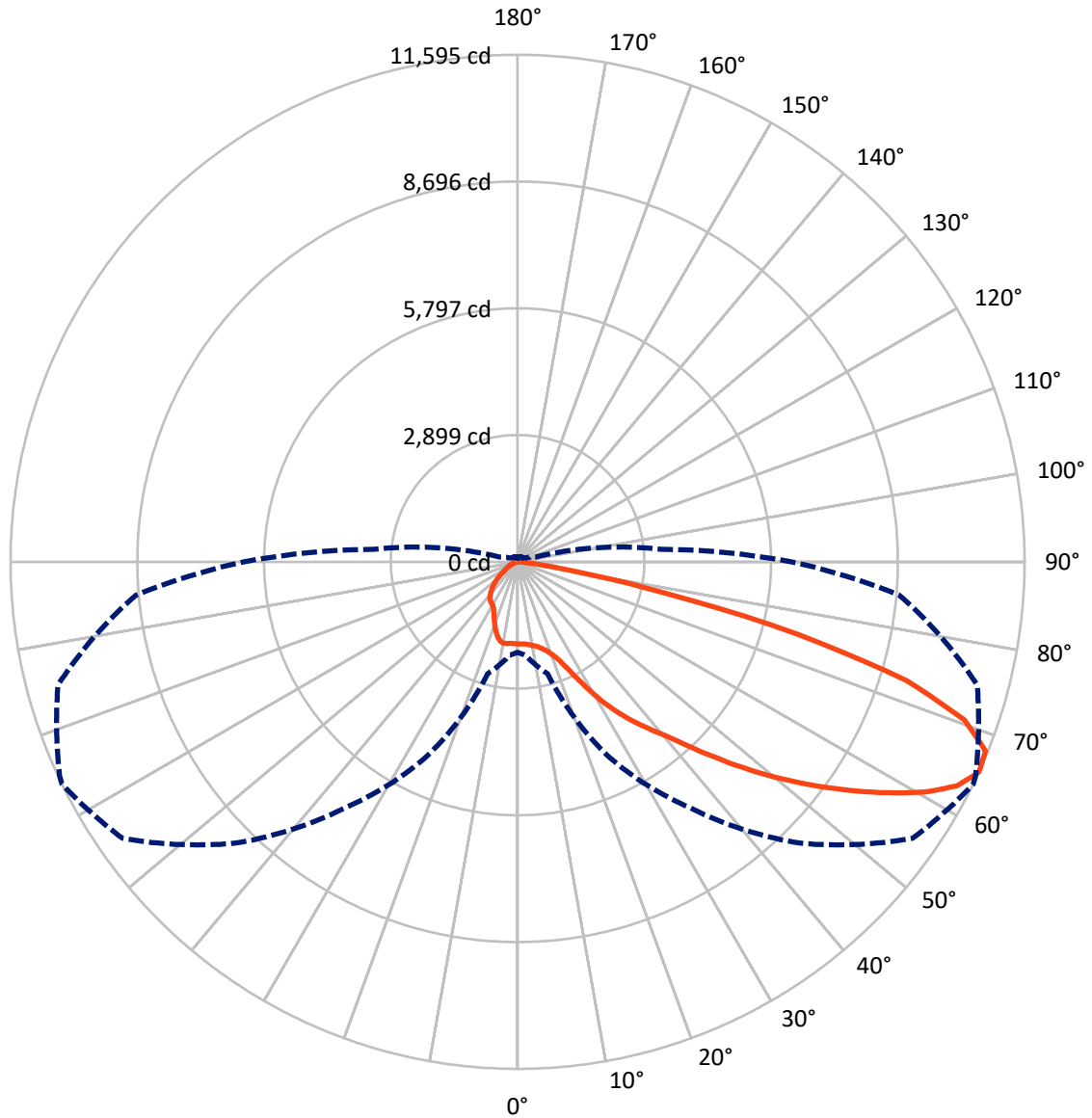
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	2160.4	0.0	2160.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13994.6	0.0	13994.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	16155.0	0.0	16155.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	1.1
10°-20°	470.2	2.9
20°-30°	891.0	5.5
30°-40°	1802.9	11.2
40°-50°	3071.3	19.0
50°-60°	4176.7	25.9
60°-70°	3922.1	24.3
70°-80°	1571.4	9.7
80°-90°	76.1	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°	16155.0	100.0
0°-180°	16155.0	100.0

Coefficient of Utilization



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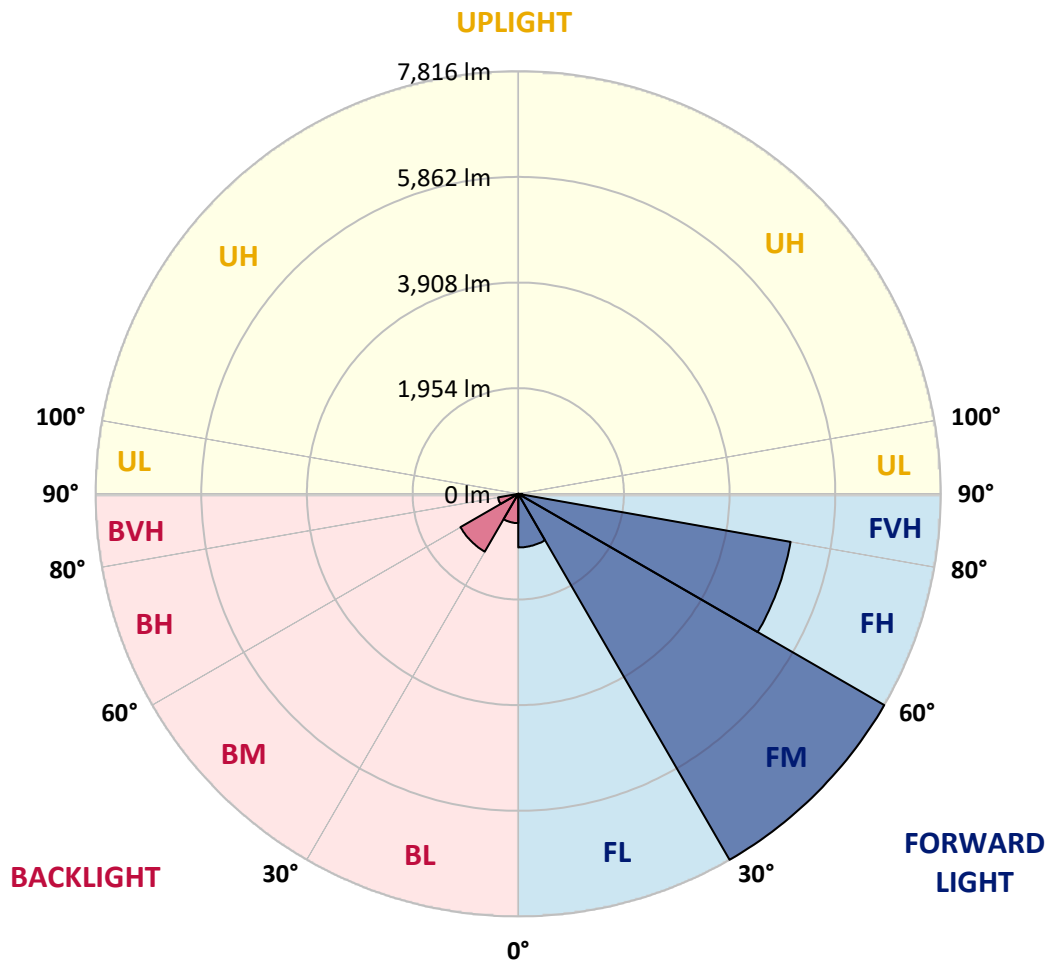
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.1	6.1			
FM (30°-60°)	7815.8	48.4			
FH (60°-80°)	5114.3	31.7			G3/7500
FVH (80°-90°)	72.4	0.4			G1/100
BL (0°-30°)	542.4	3.4	B2/1000		
BM (30°-60°)	1235.1	7.6	B2/2500		
BH (60°-80°)	379.2	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°	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0
2.5°	1872.5	1885.5	1882.2	1879.0	1877.9	1880.1	1881.2	1880.1	1880.1	1880.1
5°	1836.8	1847.6	1847.6	1855.2	1866.0	1879.0	1888.7	1890.9	1893.1	1896.3
7.5°	1768.5	1777.2	1783.7	1808.6	1835.7	1870.3	1899.6	1914.7	1916.9	1928.8
10°	1722.0	1732.8	1743.6	1769.6	1808.6	1860.6	1910.4	1947.2	1952.6	1980.8
12.5°	1719.8	1730.6	1744.7	1772.9	1818.3	1873.6	1934.2	1987.3	1997.0	2038.2
15°	1742.5	1755.5	1768.5	1803.2	1851.9	1919.1	1984.0	2050.1	2059.9	2118.3
17.5°	1789.1	1806.4	1816.2	1850.8	1902.8	1977.5	2063.1	2138.9	2147.6	2215.8
20°	1881.2	1901.7	1905.0	1933.1	1984.0	2064.2	2166.0	2260.2	2271.0	2349.0
22.5°	2071.8	2101.0	2075.0	2089.1	2134.6	2214.7	2325.2	2444.3	2459.5	2548.3
25°	2407.5	2448.6	2381.5	2357.7	2377.2	2460.6	2599.2	2749.7	2767.0	2838.5
27.5°	3067.0	3014.0	2912.2	2812.5	2754.1	2801.7	2957.7	3143.9	3165.6	3234.9
30°	3791.6	3745.0	3607.5	3386.5	3247.9	3240.3	3384.4	3592.3	3617.2	3683.3
32.5°	4517.2	4472.8	4323.3	4051.5	3811.1	3691.9	3791.6	4022.2	4035.2	4077.5
35°	5230.9	5185.4	5035.9	4757.6	4461.9	4191.2	4171.7	4431.6	4435.9	4480.3
37.5°	5948.9	5911.0	5751.8	5478.9	5187.5	4813.9	4633.0	4819.3	4824.7	4868.1
40°	6461.1	6477.4	6368.0	6156.8	5906.6	5498.4	5150.7	5231.9	5199.5	5272.0
42.5°	6900.8	6933.3	6838.0	6731.9	6586.8	6227.2	5791.9	5777.8	5725.8	5764.8
45°	7281.0	7308.0	7222.5	7197.6	7194.3	6942.0	6492.5	6408.1	6335.5	6327.9
47.5°	7420.7	7472.7	7509.5	7592.9	7755.3	7649.2	7217.1	7086.0	7004.8	6945.2
50°	7473.7	7529.0	7654.6	7897.2	8281.7	8327.1	7938.3	7791.1	7691.4	7583.1
52.5°	7402.3	7500.8	7669.8	8078.1	8635.8	8870.8	8630.4	8501.5	8387.8	8211.3
55°	6981.0	7079.5	7425.0	8075.9	8812.3	9252.0	9284.5	9227.1	9099.3	8821.0
57.5°	6092.9	6239.1	6786.0	7800.8	8809.1	9580.2	9925.6	9966.8	9823.8	9425.3
60°	4862.6	5060.8	5728.0	7191.1	8537.2	9757.8	10487.7	10693.5	10541.9	10020.9
62.5°	3393.0	3622.6	4254.0	6235.9	7915.6	9630.0	10898.2	11278.3	11163.5	10553.8
65°	2069.6	2143.2	2652.3	4907.0	6858.6	9095.0	11024.9	11594.5	11556.6	10879.8
67.5°	1378.7	1440.4	1586.6	3364.9	5324.0	8026.1	10721.6	11539.3	11550.1	10826.7
70°	830.7	883.7	979.0	1957.0	3450.4	6352.8	9782.7	10835.4	10898.2	10117.3
72.5°	342.2	378.0	464.6	887.0	1786.9	4032.0	7790.0	9302.9	9449.1	8506.9
75°	193.9	212.3	272.9	445.1	775.4	1879.0	4718.6	6604.1	6819.6	5863.3
77.5°	128.9	137.5	176.5	288.1	436.4	641.1	2016.5	3440.7	3852.2	3202.4
80°	86.6	94.2	121.3	192.8	283.7	275.1	642.2	1274.7	1568.2	1100.3
82.5°	58.5	59.6	86.6	126.7	179.8	133.2	189.5	396.4	498.2	318.4
85°	33.6	32.5	63.9	73.6	80.1	55.2	57.4	119.1	156.0	134.3
87.5°	4.3	6.5	24.9	19.5	10.8	11.9	11.9	20.6	30.3	32.5
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°
1879.0	0°	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0	1879.0
1881.2	2.5°	1881.2	1880.1	1876.8	1873.6	1866.0	1861.7	1863.8	1861.7	1860.6	1861.7
1895.2	5°	1895.2	1892.0	1883.3	1872.5	1857.3	1838.9	1827.0	1809.7	1793.4	1783.7
1933.1	7.5°	1933.1	1929.9	1918.0	1887.7	1838.9	1762.0	1691.6	1629.9	1583.3	1556.3
1993.8	10°	1993.8	1988.4	1970.0	1902.8	1775.0	1607.2	1467.5	1351.6	1275.8	1240.0
2065.3	12.5°	2065.3	2058.8	2026.3	1888.7	1653.7	1391.6	1198.9	1070.0	999.6	968.2
2147.6	15°	2149.7	2141.1	2077.2	1821.6	1477.2	1153.4	976.9	880.5	835.0	806.8
2252.6	17.5°	2254.8	2239.6	2115.1	1720.9	1285.5	971.4	840.4	767.8	727.8	700.7
2390.2	20°	2391.3	2366.3	2145.4	1600.7	1109.0	856.6	748.3	687.7	657.4	633.6
2585.1	22.5°	2581.9	2546.1	2182.2	1470.7	984.4	777.6	680.1	635.7	610.8	583.7
2856.9	25°	2817.9	2775.7	2227.7	1350.5	898.9	709.4	630.3	593.5	564.2	532.8
3213.2	27.5°	3148.3	3072.5	2281.9	1251.9	825.2	650.9	584.8	543.7	510.1	484.1
3617.2	30°	3516.5	3391.9	2329.5	1192.4	758.1	596.7	525.3	484.1	452.7	434.3
3980.0	32.5°	3865.2	3696.3	2360.9	1166.4	697.4	535.0	460.3	415.9	392.0	386.6
4335.2	35°	4194.4	3971.3	2357.7	1141.5	643.3	473.3	396.4	350.9	332.5	335.7
4717.5	37.5°	4573.5	4264.8	2334.9	1102.5	598.9	417.0	341.1	301.1	284.8	285.9
5182.1	40°	5014.3	4603.8	2320.9	1028.8	550.2	365.0	295.7	263.2	251.3	246.9
5671.6	42.5°	5484.3	4932.0	2323.0	945.5	489.5	318.4	264.3	237.2	226.3	223.1
6216.4	45°	5956.5	5244.9	2326.3	858.8	425.6	282.7	241.5	218.8	212.3	207.9
6768.7	47.5°	6400.5	5511.4	2265.6	765.7	362.8	255.6	223.1	207.9	202.5	197.1
7323.2	50°	6814.2	5689.0	2119.4	657.4	313.0	233.9	209.0	198.2	192.8	187.4
7825.7	52.5°	7135.8	5717.1	1877.9	545.8	278.3	217.7	200.4	190.6	184.1	178.7
8231.8	55°	7278.8	5540.6	1534.6	441.9	251.3	203.6	191.7	181.9	174.4	168.9
8551.3	57.5°	7242.0	5169.1	1196.7	355.2	225.3	189.5	180.9	174.4	165.7	157.0
8810.2	60°	7061.1	4672.0	902.1	295.7	201.4	174.4	168.9	163.5	151.6	138.6
8909.8	62.5°	6748.1	4047.1	643.3	244.8	175.4	157.0	154.9	150.5	133.2	109.4
8762.5	65°	6269.5	3288.0	433.2	203.6	150.5	137.5	138.6	131.0	108.3	81.2
8223.2	67.5°	5569.8	2404.2	277.2	166.8	125.6	114.8	115.9	111.5	92.1	69.3
7200.8	70°	4678.5	1592.0	180.9	126.7	100.7	88.8	95.3	96.4	78.0	56.3
5526.5	72.5°	3429.8	940.0	126.7	94.2	73.6	61.7	78.0	80.1	62.8	42.2
3324.8	75°	1954.8	446.2	95.3	68.2	45.5	43.3	60.6	60.6	43.3	28.2
1439.3	77.5°	820.9	186.3	67.1	44.4	26.0	24.9	41.2	37.9	21.7	13.0
350.9	80°	237.2	83.4	35.7	21.7	10.8	9.7	16.2	11.9	5.4	2.2
133.2	82.5°	93.1	36.8	14.1	8.7	4.3	4.3	2.2	0.0	0.0	0.0
75.8	85°	55.2	15.2	6.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0
16.2	87.5°	14.1	3.2	2.2	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°
1879.0
1866.0
1785.9
1557.3
1236.8
964.9
807.9
698.5
629.2
579.4
529.6
478.7
431.0
389.9
335.7
290.2
245.8
222.0
207.9
197.1
187.4
177.6
167.9
156.0
136.5
107.2
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