

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: P847687

Luminaire Tested: **GLAN-SB3D-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847687
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-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 15420 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

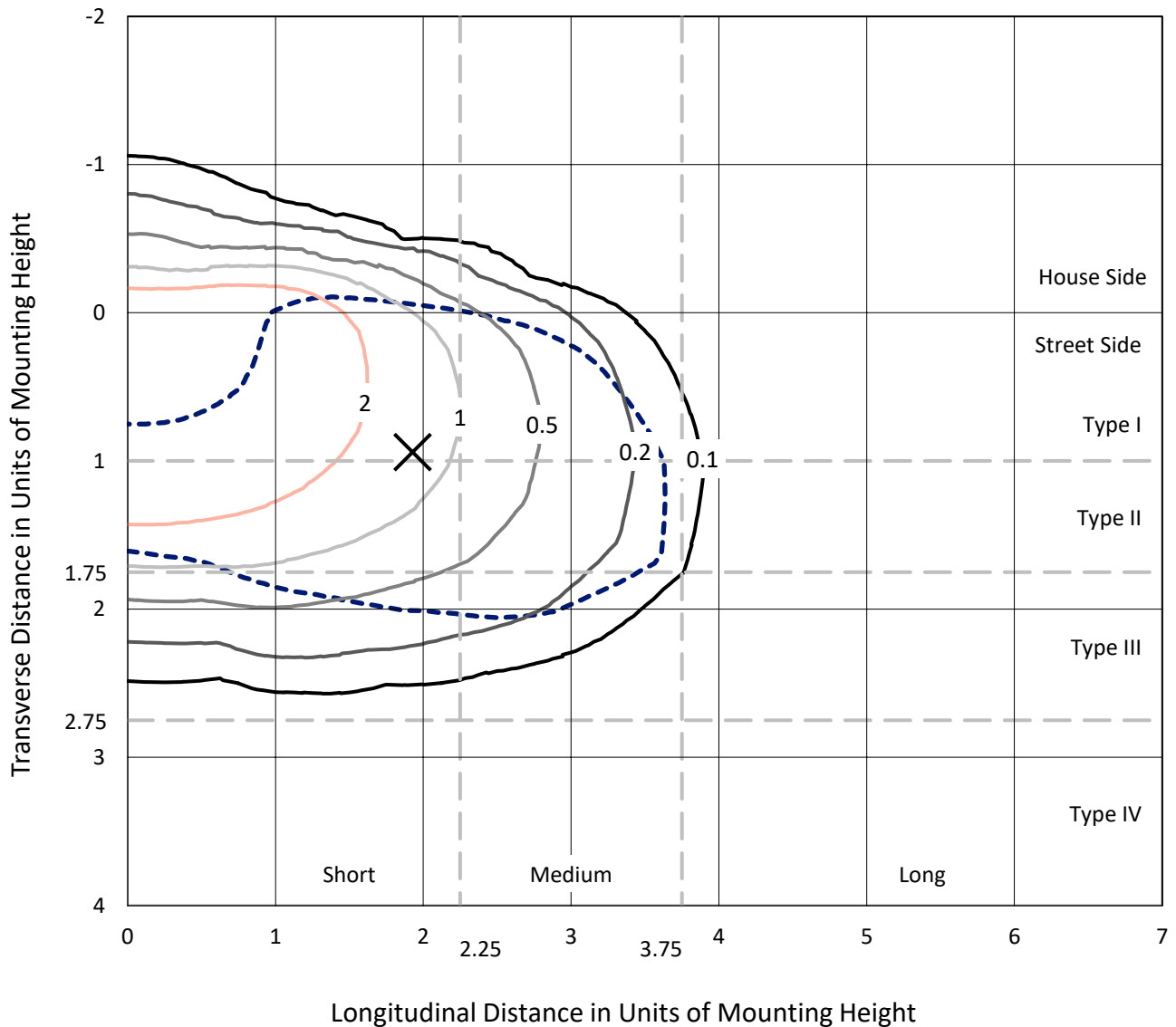
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

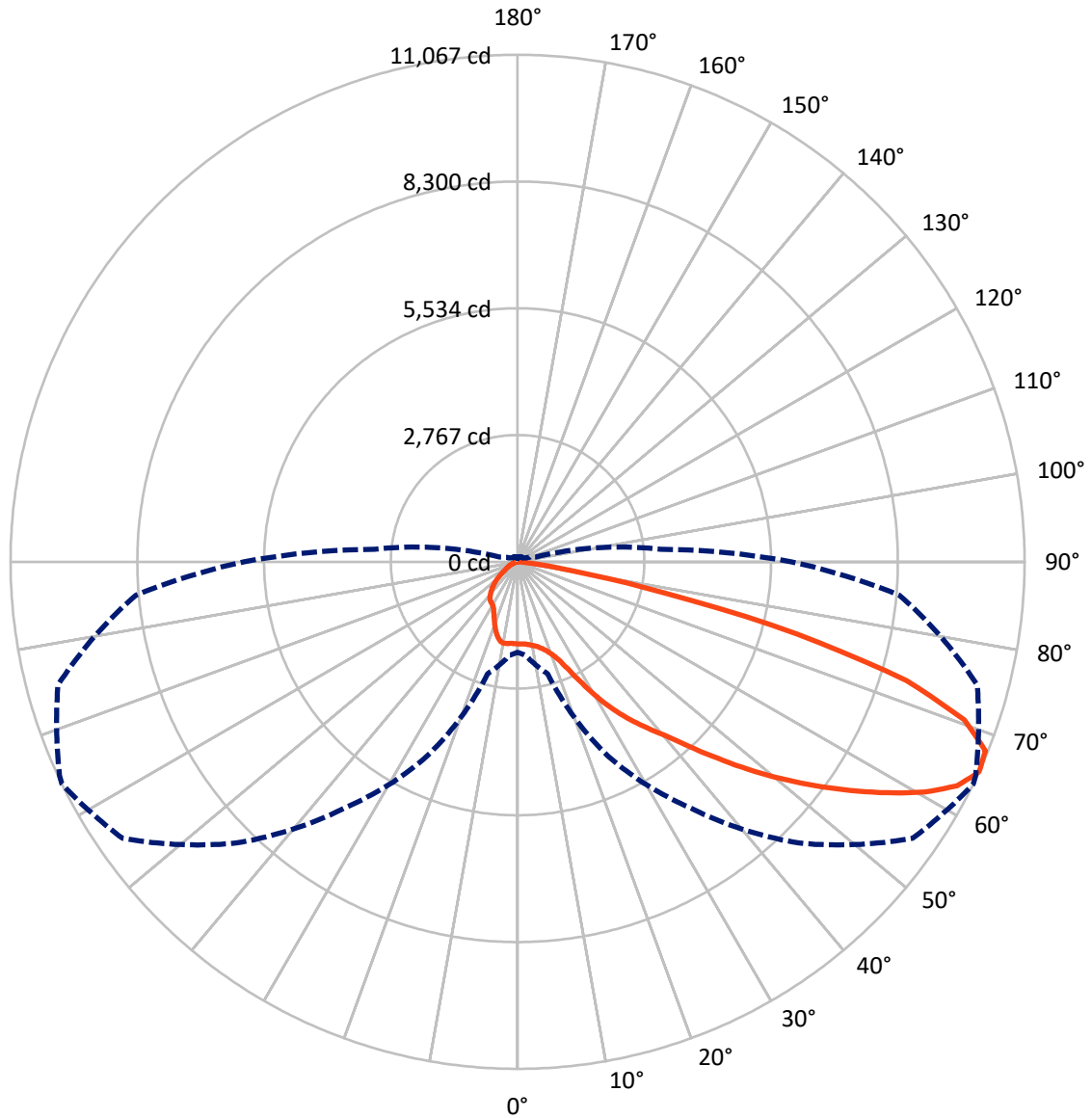
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	2062.1	0.0	2062.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13357.9	0.0	13357.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	15420.0	0.0	15420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	1.1
10°-20°	448.8	2.9
20°-30°	850.4	5.5
30°-40°	1720.9	11.2
40°-50°	2931.5	19.0
50°-60°	3986.7	25.9
60°-70°	3743.7	24.3
70°-80°	1499.9	9.7
80°-90°	72.7	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°	15420.0	100.0
0°-180°	15420.0	100.0

Coefficient of Utilization



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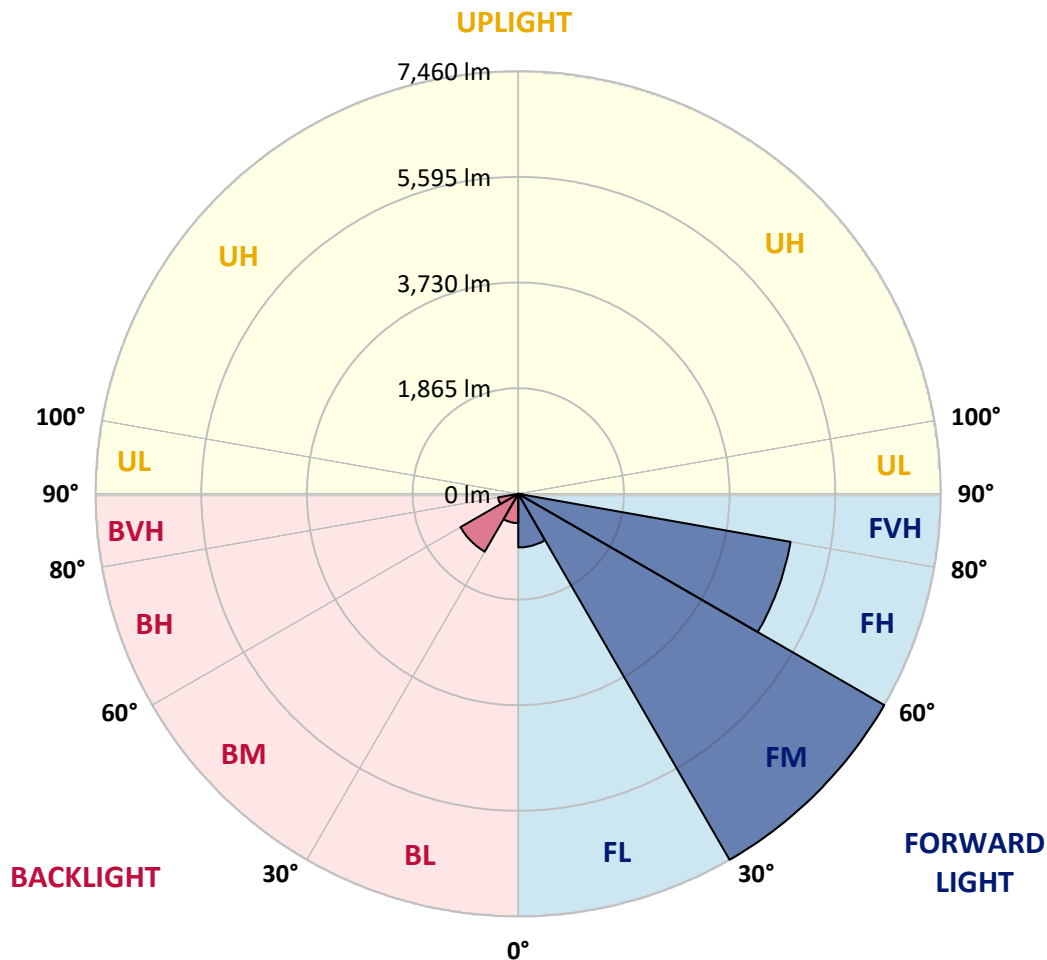
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.0	6.1			
FM (30°-60°)	7460.2	48.4			
FH (60°-80°)	4881.6	31.7			G2/5000
FVH (80°-90°)	69.1	0.4			G1/100
BL (0°-30°)	517.7	3.4	B2/1000		
BM (30°-60°)	1178.9	7.6	B2/2500		
BH (60°-80°)	361.9	2.3	B1/500		G1/500
BVH (80°-90°)	3.5	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5
2.5°	1787.3	1799.7	1796.6	1793.5	1792.5	1794.5	1795.6	1794.5	1794.5	1794.5
5°	1753.2	1763.5	1763.5	1770.8	1781.1	1793.5	1802.8	1804.9	1806.9	1810.0
7.5°	1688.1	1696.3	1702.5	1726.3	1752.2	1785.2	1813.1	1827.6	1829.7	1841.1
10°	1643.6	1654.0	1664.3	1689.1	1726.3	1775.9	1823.5	1858.6	1863.8	1890.7
12.5°	1641.5	1651.9	1665.3	1692.2	1735.6	1788.3	1846.2	1896.9	1906.2	1945.5
15°	1663.3	1675.7	1688.1	1721.1	1767.7	1831.8	1893.8	1956.8	1966.1	2022.0
17.5°	1707.7	1724.2	1733.6	1766.6	1816.2	1887.6	1969.2	2041.6	2049.9	2115.0
20°	1795.6	1815.2	1818.3	1845.2	1893.8	1970.3	2067.4	2157.4	2167.7	2242.1
22.5°	1977.5	2005.4	1980.6	1994.0	2037.5	2114.0	2219.4	2333.1	2347.6	2432.3
25°	2298.0	2337.2	2273.2	2250.4	2269.0	2348.6	2480.9	2624.6	2641.2	2709.4
27.5°	2927.5	2876.8	2779.7	2684.6	2628.8	2674.2	2823.1	3000.9	3021.6	3087.7
30°	3619.1	3574.6	3443.3	3232.4	3100.1	3092.9	3230.4	3428.9	3452.6	3515.7
32.5°	4311.7	4269.3	4126.6	3867.2	3637.7	3524.0	3619.1	3839.2	3851.6	3892.0
35°	4992.9	4949.5	4806.8	4541.1	4258.9	4000.5	3981.9	4230.0	4234.1	4276.5
37.5°	5678.2	5642.0	5490.1	5229.6	4951.5	4594.9	4422.3	4600.1	4605.2	4646.6
40°	6167.2	6182.7	6078.3	5876.7	5637.9	5248.2	4916.4	4993.9	4962.9	5032.2
42.5°	6586.9	6617.9	6526.9	6425.6	6287.1	5943.9	5528.3	5514.9	5465.3	5502.5
45°	6949.7	6975.6	6893.9	6870.1	6867.0	6626.2	6197.2	6116.5	6047.3	6040.0
47.5°	7083.1	7132.7	7167.8	7247.4	7402.5	7301.2	6888.7	6763.6	6686.1	6629.3
50°	7133.7	7186.4	7306.3	7537.9	7904.9	7948.3	7577.2	7436.6	7341.5	7238.1
52.5°	7065.5	7159.6	7320.8	7710.5	8242.9	8467.2	8237.7	8114.7	8006.2	7837.7
55°	6663.4	6757.4	7087.2	7708.5	8411.4	8831.1	8862.1	8807.3	8685.3	8419.7
57.5°	5815.7	5955.3	6477.3	7445.9	8408.3	9144.3	9474.1	9513.3	9376.9	8996.5
60°	4641.4	4830.6	5467.4	6863.9	8148.8	9313.8	10010.6	10207.0	10062.2	9565.0
62.5°	3238.6	3457.8	4060.5	5952.2	7555.5	9191.8	10402.3	10765.2	10655.6	10073.6
65°	1975.4	2045.7	2531.6	4683.8	6546.6	8681.2	10523.3	11067.0	11030.8	10384.8
67.5°	1315.9	1374.8	1514.4	3211.8	5081.8	7660.9	10233.8	11014.3	11024.6	10334.1
70°	792.9	843.5	934.5	1867.9	3293.4	6063.8	9337.6	10342.4	10402.3	9657.0
72.5°	326.7	360.8	443.5	846.6	1705.6	3848.5	7435.6	8879.7	9019.2	8119.9
75°	185.0	202.6	260.5	424.9	740.1	1793.5	4503.9	6303.6	6509.3	5596.6
77.5°	123.0	131.3	168.5	275.0	416.6	612.0	1924.8	3284.1	3676.9	3056.7
80°	82.7	89.9	115.8	184.0	270.8	262.6	613.0	1216.7	1496.8	1050.3
82.5°	55.8	56.9	82.7	120.9	171.6	127.1	180.9	378.3	475.5	303.9
85°	32.0	31.0	61.0	70.3	76.5	52.7	54.8	113.7	148.9	128.2
87.5°	4.1	6.2	23.8	18.6	10.3	11.4	11.4	19.6	28.9	31.0
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°
1793.5	0°	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5	1793.5
1795.6	2.5°	1795.6	1794.5	1791.4	1788.3	1781.1	1777.0	1779.0	1777.0	1775.9	1777.0
1809.0	5°	1809.0	1805.9	1797.6	1787.3	1772.8	1755.3	1743.9	1727.3	1711.8	1702.5
1845.2	7.5°	1845.2	1842.1	1830.7	1801.8	1755.3	1681.9	1614.7	1555.8	1511.3	1485.5
1903.1	10°	1903.1	1897.9	1880.3	1816.2	1694.3	1534.0	1400.7	1290.1	1217.7	1183.6
1971.3	12.5°	1971.3	1965.1	1934.1	1802.8	1578.5	1328.3	1144.3	1021.3	954.1	924.1
2049.9	15°	2051.9	2043.7	1982.7	1738.7	1410.0	1100.9	932.4	840.4	797.0	770.1
2150.1	17.5°	2152.2	2137.7	2018.9	1642.6	1227.0	927.2	802.2	732.9	694.7	668.8
2281.4	20°	2282.5	2258.7	2047.8	1527.8	1058.5	817.7	714.3	656.4	627.5	604.7
2467.5	22.5°	2464.4	2430.3	2082.9	1403.8	939.7	742.2	649.2	606.8	583.0	557.2
2727.0	25°	2689.7	2649.4	2126.4	1289.1	858.0	677.1	601.6	566.5	538.6	508.6
3067.1	27.5°	3005.0	2932.7	2178.1	1195.0	787.7	621.3	558.2	518.9	486.9	462.1
3452.6	30°	3356.5	3237.6	2223.5	1138.1	723.6	569.6	501.4	462.1	432.1	414.5
3798.9	32.5°	3689.4	3528.1	2253.5	1113.3	665.7	510.7	439.3	396.9	374.2	369.0
4138.0	35°	4003.6	3790.7	2250.4	1089.5	614.0	451.7	378.3	334.9	317.4	320.5
4502.9	37.5°	4365.4	4070.8	2228.7	1052.3	571.6	398.0	325.6	287.4	271.9	272.9
4946.4	40°	4786.1	4394.3	2215.3	982.0	525.1	348.4	282.2	251.2	239.8	235.7
5413.6	42.5°	5234.8	4707.6	2217.3	902.4	467.2	303.9	252.2	226.4	216.0	212.9
5933.6	45°	5685.5	5006.3	2220.4	819.7	406.3	269.8	230.5	208.8	202.6	198.5
6460.8	47.5°	6109.3	5260.6	2162.5	730.8	346.3	244.0	212.9	198.5	193.3	188.1
6990.0	50°	6504.2	5430.1	2023.0	627.5	298.7	223.3	199.5	189.2	184.0	178.8
7469.7	52.5°	6811.2	5457.0	1792.5	521.0	265.7	207.8	191.2	181.9	175.7	170.6
7857.3	55°	6947.6	5288.5	1464.8	421.8	239.8	194.3	183.0	173.7	166.4	161.3
8162.3	57.5°	6912.5	4934.0	1142.3	339.1	215.0	180.9	172.6	166.4	158.2	149.9
8409.3	60°	6739.9	4459.5	861.1	282.2	192.3	166.4	161.3	156.1	144.7	132.3
8504.4	62.5°	6441.1	3863.0	614.0	233.6	167.5	149.9	147.8	143.7	127.1	104.4
8363.8	65°	5984.2	3138.4	413.5	194.3	143.7	131.3	132.3	125.1	103.4	77.5
7849.0	67.5°	5316.4	2294.9	264.6	159.2	119.9	109.6	110.6	106.5	87.9	66.2
6873.2	70°	4465.7	1519.6	172.6	120.9	96.1	84.8	91.0	92.0	74.4	53.8
5275.1	72.5°	3273.8	897.3	120.9	89.9	70.3	58.9	74.4	76.5	60.0	40.3
3173.5	75°	1865.9	425.9	91.0	65.1	43.4	41.3	57.9	57.9	41.3	26.9
1373.8	77.5°	783.6	177.8	64.1	42.4	24.8	23.8	39.3	36.2	20.7	12.4
334.9	80°	226.4	79.6	34.1	20.7	10.3	9.3	15.5	11.4	5.2	2.1
127.1	82.5°	88.9	35.1	13.4	8.3	4.1	4.1	2.1	0.0	0.0	0.0
72.4	85°	52.7	14.5	6.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0
15.5	87.5°	13.4	3.1	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

180°
1793.5
1781.1
1704.6
1486.5
1180.5
921.0
771.2
666.8
600.6
553.0
505.5
456.9
411.4
372.1
320.5
277.0
234.7
211.9
198.5
188.1
178.8
169.5
160.2
148.9
130.2
102.3
75.5
63.1
51.7
38.2
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