

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: P846955

Luminaire Tested: **GLAN-SB2D-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846955
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-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 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: 11848 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

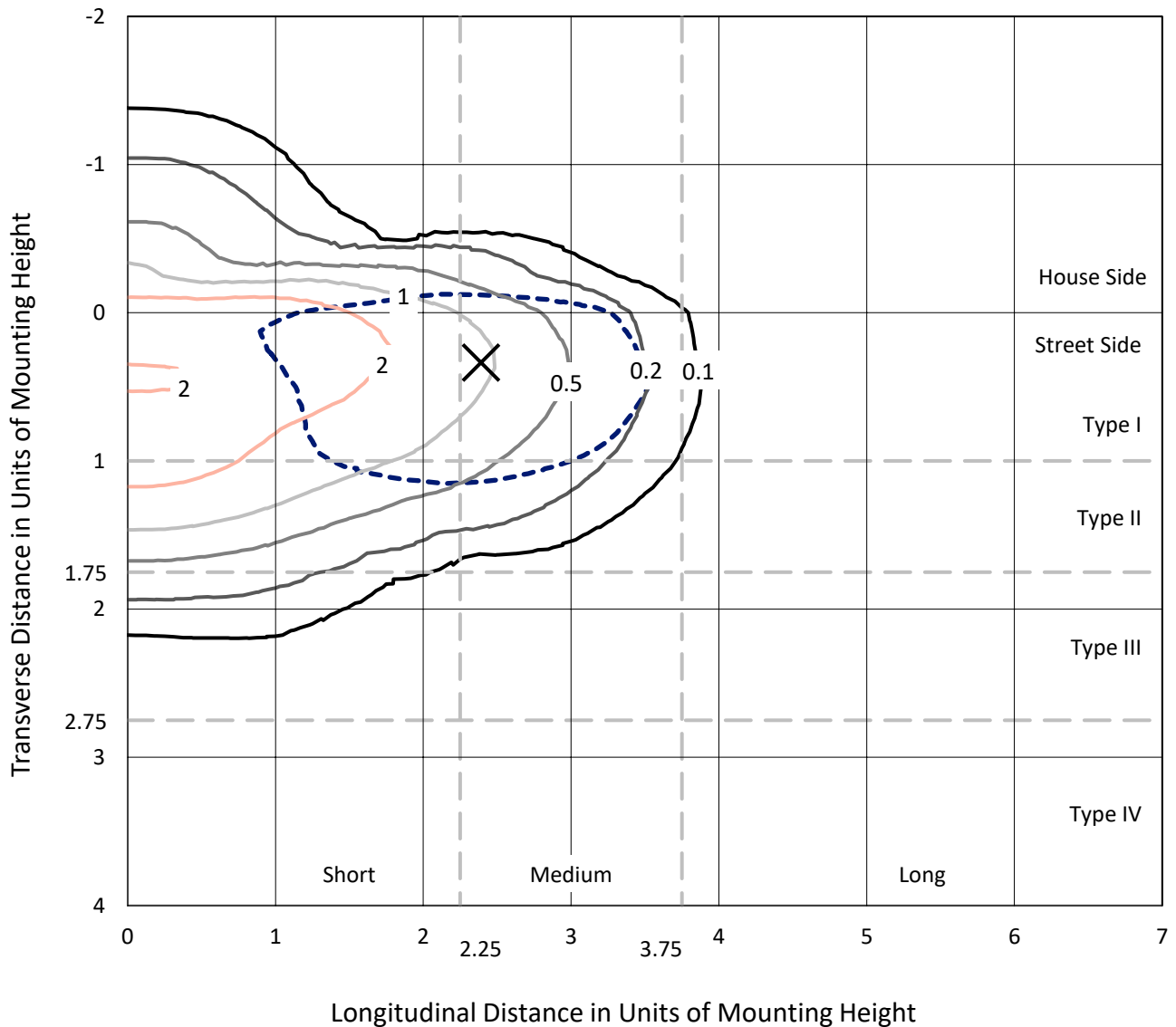
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

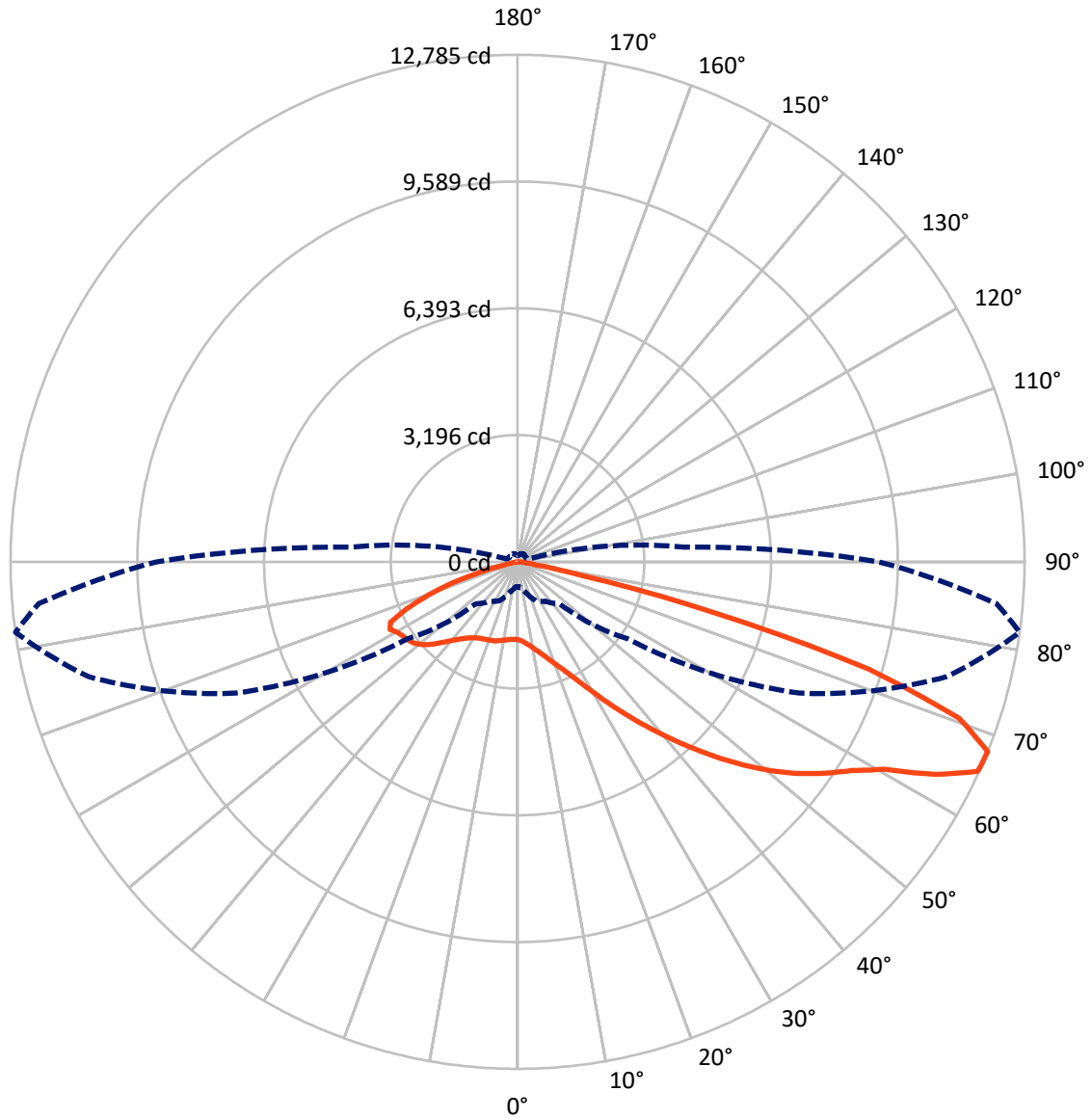
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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
House Side	Lumens	2146.2	0.0	2146.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	9701.8	0.0	9701.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	11848.0	0.0	11848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	1.5
10°-20°	454.4	3.8
20°-30°	727.8	6.1
30°-40°	1287.0	10.9
40°-50°	2255.0	19.0
50°-60°	3007.6	25.4
60°-70°	2799.9	23.6
70°-80°	1074.6	9.1
80°-90°	66.7	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°	11848.0	100.0
0°-180°	11848.0	100.0

Coefficient of Utilization

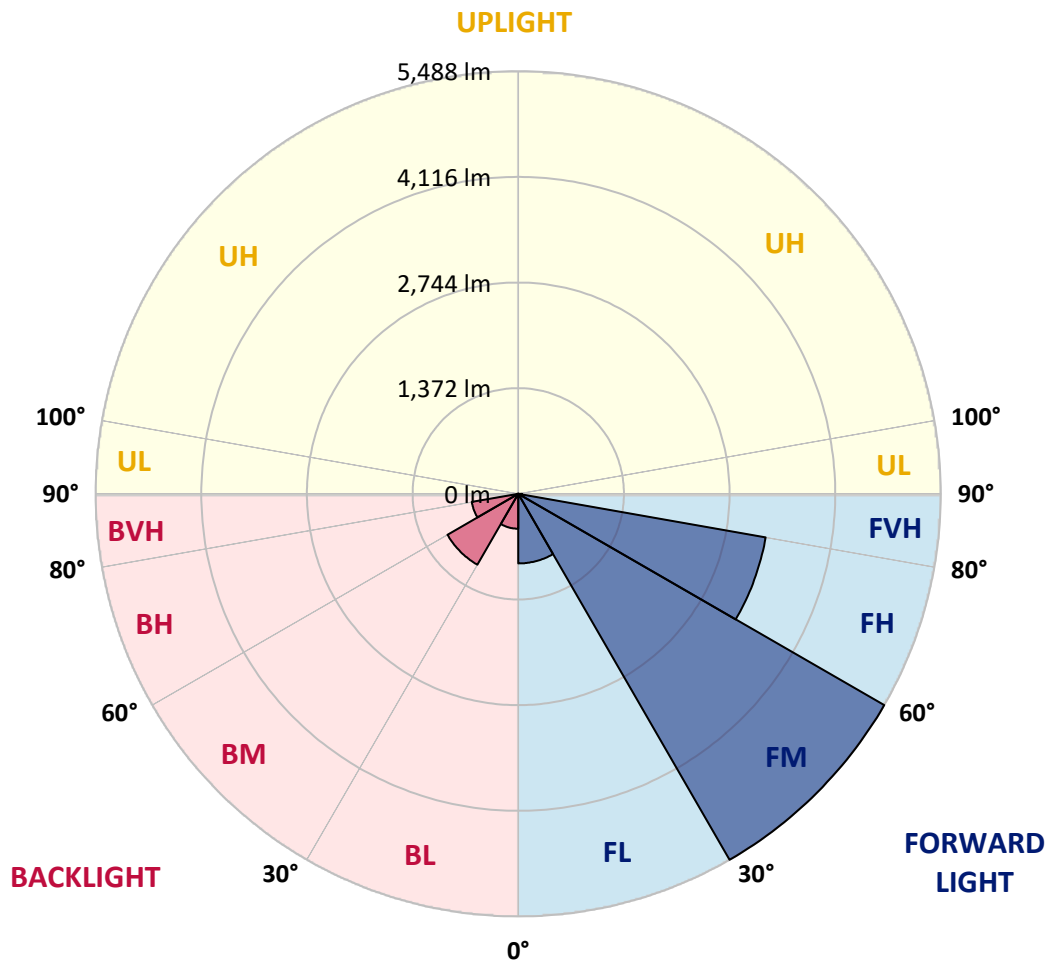


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	903.9	7.6			
FM (30°-60°)	5487.5	46.3			
FH (60°-80°)	3261.9	27.5			G2/5000
FVH (80°-90°)	48.5	0.4			G1/100
BL (0°-30°)	453.3	3.8	B1/500		
BM (30°-60°)	1062.1	9.0	B2/2500		
BH (60°-80°)	612.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	18.2	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°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
2.5°	2074.6	2086.5	2079.7	2076.3	2070.3	2061.8	2054.9	2033.6	2011.4	1996.9
5°	2116.4	2128.3	2127.4	2130.9	2135.1	2137.7	2136.0	2112.1	2080.5	2055.8
7.5°	2080.5	2094.2	2105.3	2122.3	2152.2	2183.7	2199.1	2194.0	2161.6	2127.4
10°	1979.0	1993.5	2020.0	2060.1	2123.2	2191.4	2248.6	2275.0	2254.5	2217.0
12.5°	1793.1	1807.6	1859.6	1946.6	2052.4	2171.0	2280.1	2350.9	2356.1	2318.5
15°	1584.1	1598.6	1654.0	1763.2	1924.4	2114.7	2297.2	2431.1	2476.3	2443.9
17.5°	1454.4	1467.2	1509.0	1596.9	1764.9	2002.1	2291.2	2516.4	2619.6	2594.1
20°	1415.2	1426.3	1445.9	1507.3	1647.2	1885.2	2252.0	2596.6	2774.0	2759.5
22.5°	1457.0	1467.2	1473.2	1500.5	1588.3	1808.4	2202.5	2678.5	2953.2	2954.9
25°	1553.4	1563.6	1556.8	1573.8	1612.2	1784.5	2183.7	2774.9	3178.4	3197.1
27.5°	1712.0	1712.9	1696.7	1695.8	1701.8	1820.4	2203.4	2878.1	3462.4	3497.4
30°	2030.2	2017.4	1955.1	1887.7	1857.0	1927.8	2258.0	3000.1	3797.7	3859.9
32.5°	2520.7	2501.9	2387.6	2226.4	2064.3	2101.0	2356.1	3139.1	4162.8	4275.4
35°	3053.0	3047.9	2928.4	2688.7	2405.5	2347.5	2515.6	3321.7	4561.1	4740.3
37.5°	3547.7	3545.2	3476.9	3194.6	2850.0	2691.3	2771.5	3560.5	4987.6	5247.0
40°	3999.8	4007.5	3939.3	3686.8	3339.6	3132.3	3119.5	3855.7	5461.9	5798.9
42.5°	4390.5	4399.1	4330.0	4143.1	3823.3	3620.2	3546.9	4217.4	5925.1	6391.7
45°	4655.8	4708.7	4698.5	4549.2	4319.7	4109.0	4060.4	4671.2	6453.1	7020.4
47.5°	4730.9	4779.5	4856.3	4876.7	4736.9	4529.6	4587.6	5218.0	6987.1	7649.9
50°	4545.8	4591.0	4750.5	4962.9	5060.1	4996.2	5100.2	5804.0	7533.9	8277.8
52.5°	4180.7	4226.7	4428.1	4764.1	5160.8	5362.1	5614.6	6381.5	8063.7	8872.3
55°	3652.7	3701.3	3959.7	4340.2	4968.9	5513.1	6043.7	6958.1	8549.0	9407.2
57.5°	2934.4	2970.2	3238.9	3771.2	4486.1	5363.0	6360.2	7587.7	9006.2	9932.6
60°	1912.5	1944.0	2256.3	2850.0	3685.9	4861.4	6423.3	8289.7	9613.6	10615.9
62.5°	1271.9	1293.2	1478.3	1914.2	2595.8	3898.3	6053.9	8850.1	10504.2	11805.0
65°	872.6	894.0	1079.1	1382.8	1677.0	2578.7	4991.9	8775.9	11311.1	12749.3
67.5°	622.7	640.6	797.6	1084.2	1213.9	1497.9	3384.0	7827.4	11195.1	12785.2
70°	446.1	456.4	586.0	844.5	964.8	899.9	1881.8	5986.5	9802.1	11805.9
72.5°	312.2	315.6	406.9	643.2	777.1	656.8	895.7	3991.3	7413.6	9266.4
75°	211.6	215.8	273.8	471.7	623.6	501.6	474.3	2140.2	4352.1	5129.2
77.5°	129.7	131.4	176.6	322.4	466.6	382.2	305.4	906.8	1683.9	1653.2
80°	73.4	73.4	112.6	200.5	318.2	246.5	214.1	385.6	533.1	468.3
82.5°	40.9	41.8	81.9	124.5	210.7	145.9	117.7	178.3	230.3	203.9
85°	17.1	18.8	50.3	58.9	100.7	72.5	47.8	75.1	85.3	75.9
87.5°	1.7	2.6	15.4	11.1	11.9	14.5	6.8	14.5	11.9	11.9
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°
1962.8	0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
1991.8	2.5°	1975.6	1962.8	1930.4	1892.9	1843.4	1819.5	1787.1	1764.9	1746.1	1747.9
2041.3	5°	2014.0	1981.6	1909.1	1818.7	1706.1	1625.9	1540.6	1481.7	1433.9	1423.7
2109.5	7.5°	2066.9	2015.7	1888.6	1725.7	1535.4	1391.3	1262.5	1179.7	1120.9	1102.1
2192.3	10°	2135.1	2060.9	1862.2	1608.8	1335.0	1151.6	1013.4	948.6	908.5	894.8
2289.5	12.5°	2214.5	2112.9	1827.2	1466.4	1128.6	952.0	864.1	831.7	818.9	814.6
2408.9	15°	2314.3	2177.8	1774.3	1297.5	953.7	830.0	792.5	788.2	789.9	788.2
2552.3	17.5°	2432.8	2248.6	1688.1	1123.4	836.0	767.7	754.1	757.5	761.8	760.9
2712.6	20°	2562.5	2318.5	1578.1	969.0	755.8	723.4	715.7	719.1	722.5	720.8
2897.7	22.5°	2710.1	2393.6	1456.1	848.8	702.0	682.4	673.9	674.7	674.7	671.3
3132.3	25°	2886.6	2476.3	1328.2	763.5	661.1	645.7	635.5	632.1	627.0	616.7
3417.2	27.5°	3097.3	2564.2	1205.3	703.7	628.7	614.2	602.2	593.7	580.9	563.9
3759.3	30°	3334.5	2670.8	1101.3	666.2	603.1	588.6	574.9	562.1	543.4	522.1
4152.5	32.5°	3613.4	2785.1	1025.3	641.5	580.1	564.7	548.5	533.1	512.7	491.3
4594.4	35°	3946.1	2923.3	981.0	624.4	562.1	541.7	523.8	506.7	491.3	472.6
5074.7	37.5°	4306.9	3070.0	967.3	615.9	550.2	518.6	498.2	486.2	484.5	473.4
5594.1	40°	4701.9	3244.1	977.6	610.8	537.4	496.5	474.3	471.7	476.0	456.4
6149.5	42.5°	5119.9	3450.5	994.6	604.8	519.5	474.3	453.0	453.0	449.5	422.2
6736.3	45°	5572.0	3688.5	1011.7	590.3	498.2	452.1	435.9	429.9	415.4	389.0
7326.6	47.5°	6027.5	3930.7	1024.5	563.9	472.6	433.3	418.8	405.2	383.9	360.0
7905.8	50°	6460.0	4148.3	1010.8	524.6	443.6	415.4	400.1	381.3	358.3	342.1
8454.3	52.5°	6846.4	4336.8	952.8	478.5	412.9	396.7	383.0	363.4	344.6	327.6
8949.1	55°	7182.5	4489.5	850.5	435.0	385.6	380.4	366.8	342.1	316.5	302.0
9439.6	57.5°	7504.9	4605.5	722.5	399.2	360.8	362.5	342.1	319.9	296.0	280.6
10100.7	60°	7934.0	4760.7	592.9	365.9	334.4	339.5	317.3	301.1	271.3	251.6
11234.4	62.5°	8619.8	5002.1	470.9	325.0	303.7	305.4	296.0	276.4	240.6	217.5
12074.6	65°	9164.1	4913.4	371.1	280.6	268.7	271.3	271.3	249.9	211.6	185.1
12119.8	67.5°	9102.6	4207.1	296.0	237.1	235.4	237.1	243.1	225.2	187.7	166.3
11196.8	70°	8385.2	3346.4	237.1	197.0	204.7	200.5	217.5	205.6	168.9	147.6
8680.4	72.5°	6842.1	2410.7	180.8	162.9	157.0	163.8	196.2	185.1	140.7	116.9
4597.8	75°	3998.1	1286.4	134.8	128.8	113.5	136.5	174.0	157.8	107.5	86.2
1409.2	77.5°	1301.7	448.7	99.0	94.7	84.4	110.0	148.4	133.1	87.9	68.2
412.9	80°	348.9	135.6	67.4	62.3	54.6	81.9	117.7	105.8	63.1	44.4
177.4	82.5°	139.9	57.2	39.2	35.0	29.9	56.3	93.0	85.3	46.9	28.1
55.4	85°	45.2	18.8	14.5	11.1	13.6	35.0	55.4	58.0	33.3	14.5
8.5	87.5°	6.0	2.6	2.6	3.4	2.6	6.0	17.1	16.2	9.4	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

<u>180°</u>
1962.8
1730.8
1400.7
1083.3
884.6
812.1
787.3
759.2
720.0
669.6
615.0
562.1
520.3
492.2
470.9
472.6
457.2
422.2
388.1
359.1
339.5
325.9
300.3
278.9
249.1
215.8
182.5
162.9
145.0
114.3
83.6
65.7
43.5
28.1
11.1
0.0
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