

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: P852640

Luminaire Tested: **GLAN-SB5B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17172 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

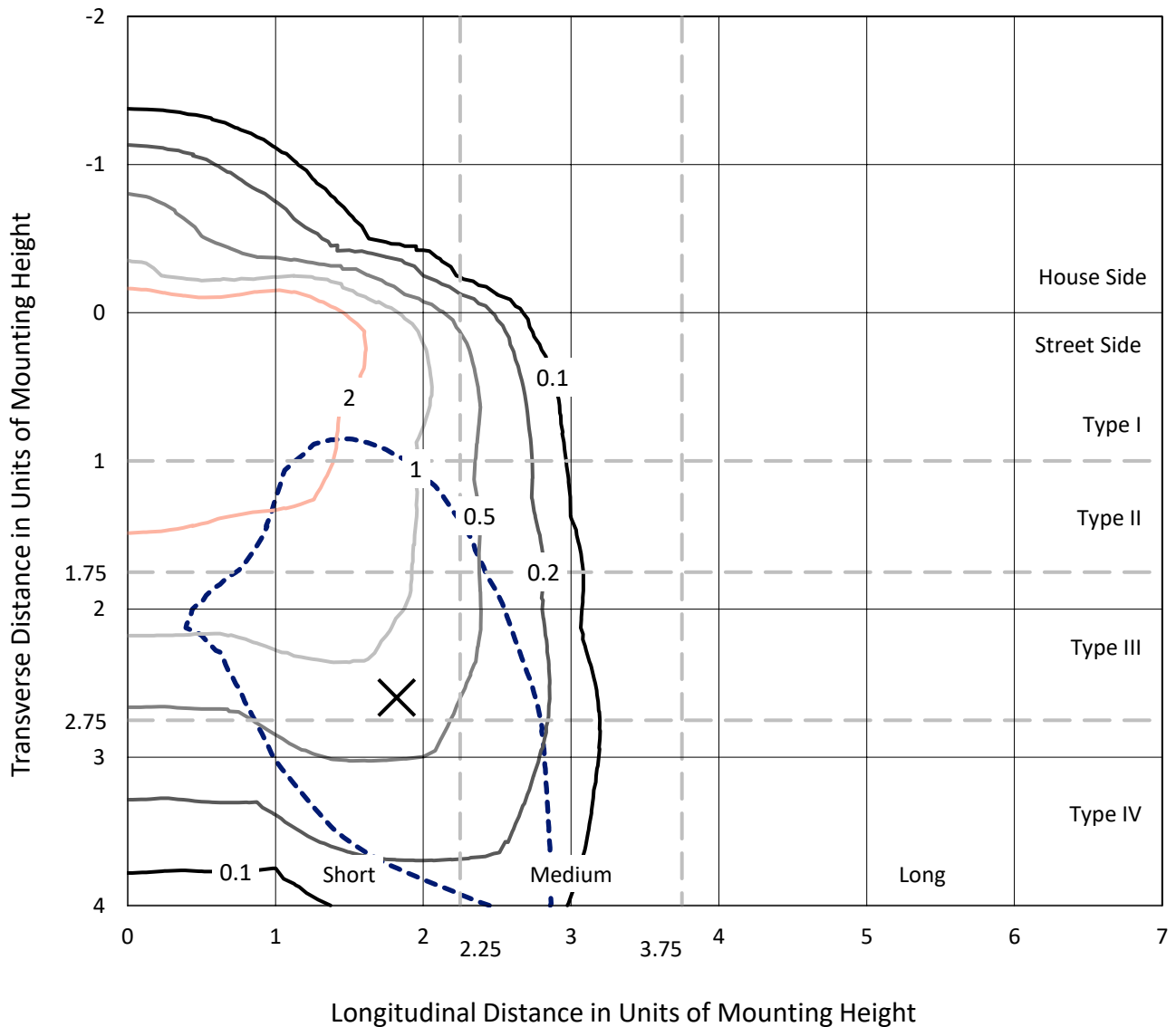
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

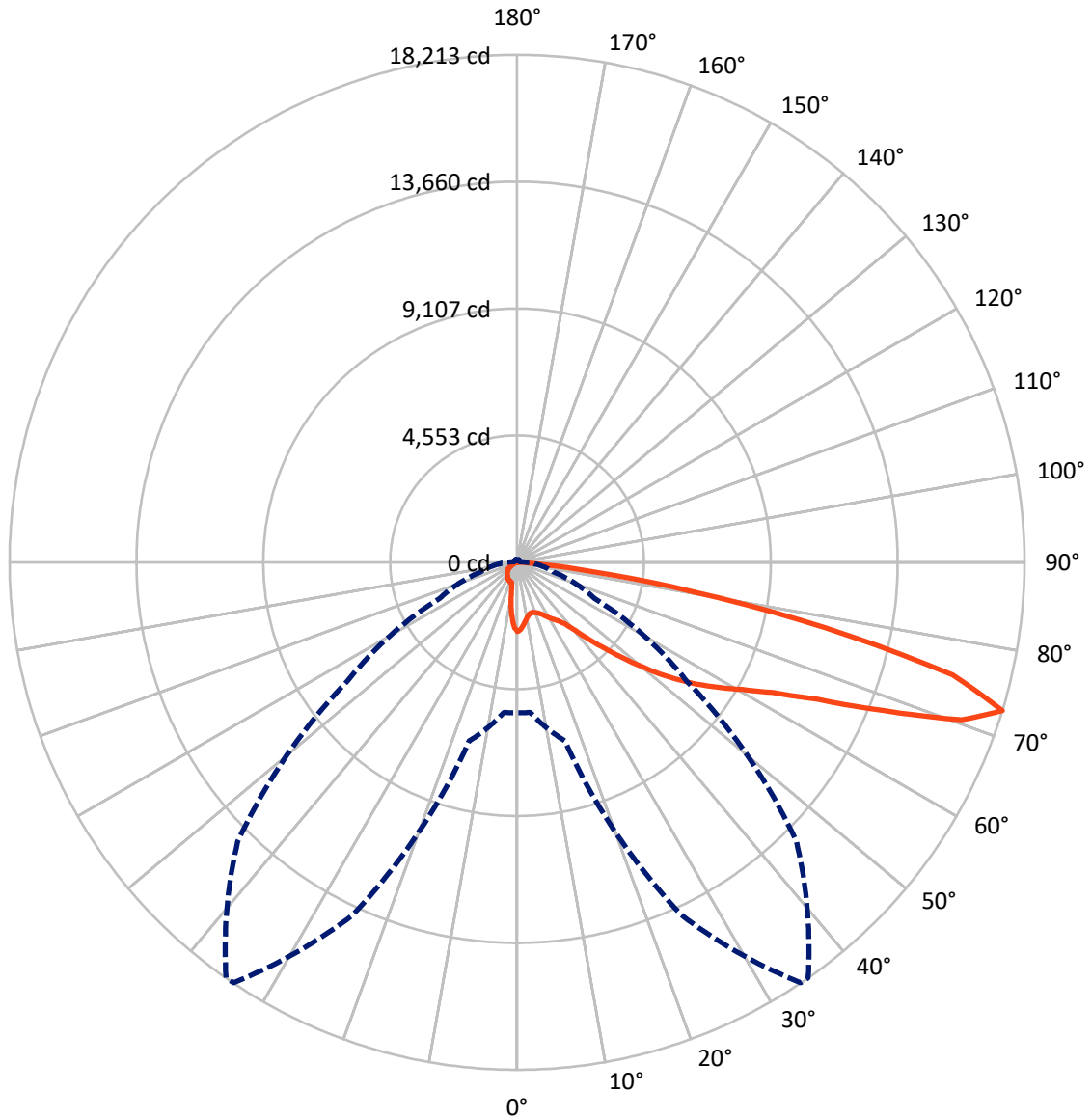
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1932.6	0.0	1932.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	15239.4	0.0	15239.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	17172.0	0.0	17172.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.5	1.2
10°-20°	478.4	2.8
20°-30°	777.2	4.5
30°-40°	1296.8	7.6
40°-50°	2453.5	14.3
50°-60°	3898.6	22.7
60°-70°	4822.8	28.1
70°-80°	2997.9	17.5
80°-90°	242.3	1.4
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°	17172.0	100.0
0°-180°	17172.0	100.0

Coefficient of Utilization

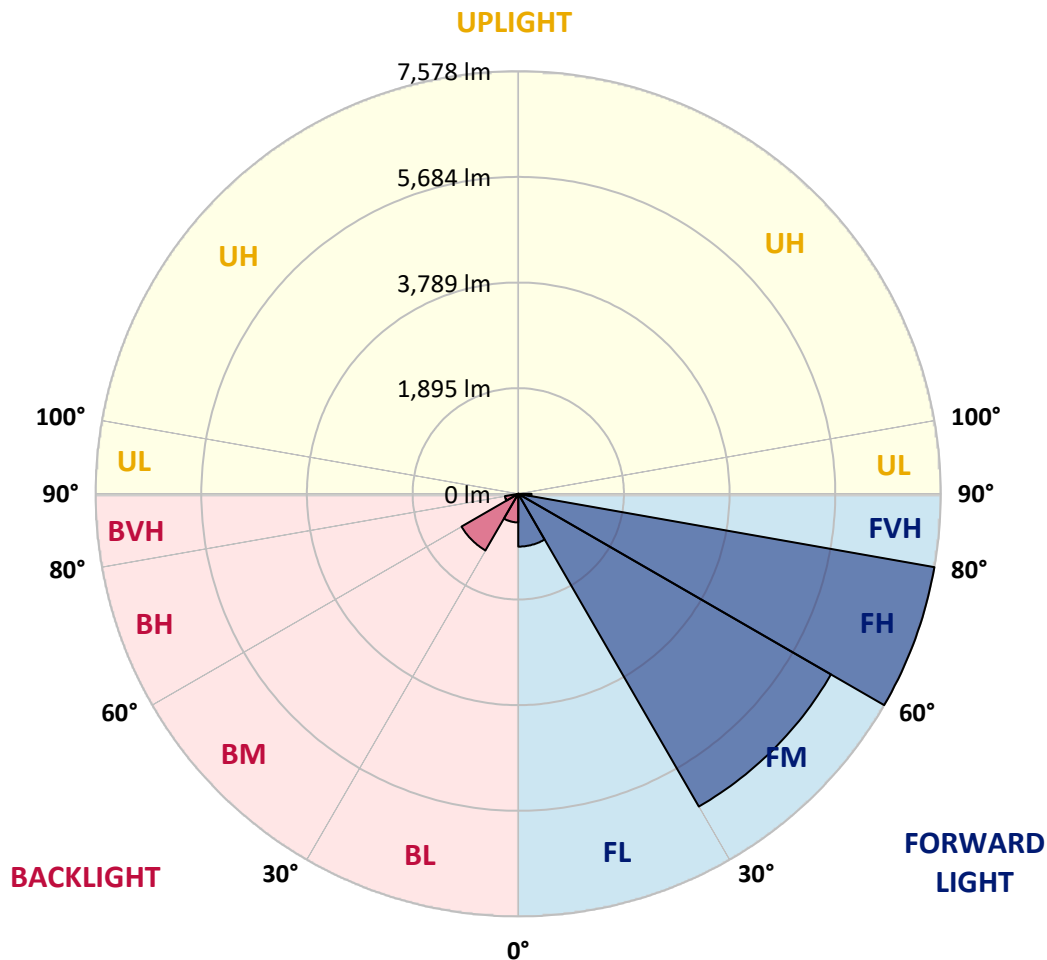


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.6	5.5			
FM (30°-60°)	6475.6	37.7			
FH (60°-80°)	7578.2	44.1			G4/12000
FVH (80°-90°)	239.0	1.4			G3/500
BL (0°-30°)	513.5	3.0	B2/1000		
BM (30°-60°)	1173.3	6.8	B2/2500		
BH (60°-80°)	242.5	1.4	B1/500		G1/500
BVH (80°-90°)	3.3	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8
2.5°	2378.1	2398.2	2402.0	2408.3	2408.3	2415.8	2428.4	2446.0	2475.0	2490.1
5°	2191.9	2207.0	2225.8	2240.9	2269.9	2273.6	2322.7	2370.5	2437.2	2487.5
7.5°	2004.4	2022.0	2047.2	2083.6	2121.4	2132.7	2207.0	2287.5	2393.2	2487.5
10°	1872.3	1873.5	1896.2	1932.7	1993.1	2006.9	2097.5	2212.0	2344.1	2472.4
12.5°	1798.0	1806.8	1816.9	1844.6	1902.5	1911.3	2008.2	2142.8	2295.0	2463.6
15°	1798.0	1804.3	1810.6	1824.4	1871.0	1878.6	1964.1	2098.7	2269.9	2467.4
17.5°	1816.9	1827.0	1821.9	1838.3	1887.4	1892.4	1967.9	2086.2	2268.6	2491.3
20°	1862.2	1869.7	1859.7	1869.7	1918.8	1928.9	2006.9	2110.1	2290.0	2532.8
22.5°	1933.9	1937.7	1913.8	1921.3	1971.7	1984.2	2074.8	2178.0	2341.6	2599.5
25°	2024.5	2032.1	1995.6	2004.4	2052.2	2067.3	2171.7	2279.9	2423.4	2691.4
27.5°	2128.9	2132.7	2101.3	2100.0	2161.7	2183.0	2288.7	2405.8	2532.8	2807.1
30°	2248.5	2259.8	2229.6	2224.6	2302.6	2320.2	2424.6	2560.5	2693.9	2980.8
32.5°	2342.8	2351.7	2334.0	2346.6	2425.9	2439.7	2589.5	2779.5	2946.8	3227.4
35°	2478.7	2483.8	2443.5	2466.2	2556.7	2592.0	2814.7	3086.5	3265.1	3536.9
37.5°	2970.7	2970.7	2799.6	2687.6	2774.4	2805.9	3123.0	3472.7	3657.7	3952.1
40°	3651.4	3640.1	3389.7	3160.7	3149.4	3211.0	3562.1	3959.7	4164.8	4450.4
42.5°	4377.4	4359.8	4018.8	3792.3	3754.6	3776.0	4069.1	4559.9	4768.7	5058.1
45°	5021.6	5016.6	4704.6	4400.1	4332.1	4400.1	4702.0	5262.0	5411.7	5716.2
47.5°	5561.4	5561.4	5333.7	5134.9	5099.6	5139.9	5558.9	6040.8	6027.0	6417.0
50°	6183.0	6178.0	5961.5	5876.0	5912.5	5969.1	6545.4	6861.2	6663.6	7105.3
52.5°	6618.3	6648.5	6574.3	6560.5	6746.7	6844.8	7546.9	7663.9	7233.6	7758.3
55°	6963.1	6998.3	7083.9	7180.8	7539.4	7667.7	8517.0	8425.2	7710.5	8324.5
57.5°	7451.3	7401.0	7533.1	7724.3	8304.4	8459.1	9456.9	9143.6	8094.3	8783.8
60°	8043.9	8051.5	8074.1	8315.7	9068.1	9266.9	10383.0	9823.1	8340.9	9065.6
62.5°	8756.1	8767.4	8814.0	9185.2	10093.6	10281.1	11369.5	10379.2	8454.1	8986.3
65°	8707.0	8754.8	9274.5	10544.1	11652.6	11837.5	12520.7	10769.3	8283.0	8261.6
67.5°	7931.9	8010.0	8879.4	12167.2	14003.0	14209.3	13912.4	10846.0	7544.4	6424.6
70°	6915.3	6943.0	7988.6	13626.7	16724.5	16933.4	15158.0	10001.7	5725.0	3583.5
72.5°	5400.4	5406.7	6633.4	13965.2	18201.7	18213.0	14180.4	7424.9	3078.9	1376.5
75°	3857.8	3820.0	4442.8	11325.4	16013.6	16142.0	10630.9	3482.8	1176.5	650.5
77.5°	2068.5	2110.1	2514.0	6716.5	11062.4	11281.4	5800.5	1004.1	598.9	442.9
80°	639.2	674.4	1030.5	3075.1	6266.0	6398.1	2150.3	446.7	417.7	315.8
82.5°	201.3	208.9	480.6	1292.2	2600.8	2661.2	622.8	252.9	285.6	208.9
85°	57.9	59.1	213.9	481.9	643.0	655.5	174.9	98.1	163.6	129.6
87.5°	6.3	20.1	80.5	80.5	56.6	55.4	18.9	21.4	46.6	16.4
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°
2488.8	0°	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8	2488.8
2500.1	2.5°	2493.8	2495.1	2478.7	2451.1	2420.9	2395.7	2364.2	2339.1	2321.5	2316.4
2522.8	5°	2511.4	2502.6	2456.1	2371.8	2271.1	2184.3	2087.4	2010.7	1960.3	1938.9
2546.7	7.5°	2537.9	2512.7	2410.8	2244.7	2052.2	1881.1	1707.4	1572.8	1487.2	1444.5
2569.3	10°	2560.5	2510.2	2335.3	2061.0	1766.6	1507.4	1273.3	1111.0	1020.4	977.7
2595.7	12.5°	2581.9	2508.9	2237.2	1843.3	1444.5	1127.4	909.7	829.2	804.0	795.2
2638.5	15°	2622.2	2512.7	2113.8	1594.2	1123.6	851.8	772.6	771.3	776.3	773.8
2704.0	17.5°	2677.5	2516.5	1974.2	1330.0	866.9	751.2	747.4	758.7	766.3	762.5
2785.7	20°	2749.3	2531.6	1825.7	1068.2	744.9	726.0	734.8	744.9	751.2	744.9
2895.2	22.5°	2849.9	2558.0	1663.4	858.1	705.9	710.9	718.5	729.8	736.1	727.3
3034.9	25°	2973.2	2599.5	1503.6	746.1	687.0	693.3	704.6	717.2	724.7	715.9
3211.0	27.5°	3133.0	2666.2	1356.4	721.0	668.1	671.9	688.3	707.1	717.2	705.9
3461.4	30°	3364.5	2775.7	1229.3	732.3	656.8	648.0	670.6	697.1	708.4	698.3
3802.4	32.5°	3671.5	2930.4	1151.3	749.9	651.8	620.3	641.7	675.7	694.5	688.3
4247.8	35°	4074.2	3165.7	1121.1	770.0	648.0	591.4	606.5	643.0	675.7	682.0
4809.0	37.5°	4562.4	3492.9	1129.9	778.9	636.7	567.5	575.0	606.5	649.3	669.4
5440.6	40°	5117.3	3874.1	1180.2	770.0	624.1	547.3	548.6	572.5	610.2	640.4
6120.1	42.5°	5689.8	4319.5	1273.3	737.3	612.8	529.7	525.9	542.3	567.5	588.9
6798.3	45°	6234.6	4777.5	1365.2	692.0	598.9	512.1	503.3	509.6	514.6	523.4
7458.8	47.5°	6710.2	5099.6	1338.8	650.5	580.0	492.0	476.9	474.4	459.3	458.0
8049.0	50°	7038.6	5170.1	1189.0	609.0	552.4	469.3	445.4	430.3	403.9	391.3
8490.6	52.5°	7143.0	4892.0	971.4	567.5	507.1	439.1	405.2	381.2	348.5	337.2
8744.8	55°	7004.6	4347.2	776.3	517.1	444.2	398.9	361.1	329.7	303.2	289.4
8772.4	57.5°	6666.2	3653.9	614.0	458.0	377.5	353.6	315.8	284.4	261.7	247.9
8465.4	60°	6105.0	2901.5	485.7	387.5	322.1	304.5	265.5	245.4	225.2	208.9
7672.7	62.5°	5253.2	2071.1	381.2	307.0	269.3	249.1	226.5	211.4	187.5	164.8
6247.2	65°	4099.3	1267.0	294.4	225.2	216.4	206.4	192.5	178.7	149.7	127.1
4075.4	67.5°	2585.7	600.2	210.1	169.9	171.1	166.1	159.8	148.5	127.1	107.0
1825.7	70°	1138.7	290.7	138.4	129.6	127.1	127.1	132.1	128.3	108.2	89.3
634.2	72.5°	387.5	156.0	103.2	98.1	91.9	90.6	110.7	107.0	86.8	69.2
315.8	75°	202.6	104.4	75.5	70.5	55.4	66.7	88.1	83.0	61.7	45.3
208.9	77.5°	132.1	74.2	51.6	45.3	31.5	44.0	65.4	57.9	36.5	22.6
137.1	80°	83.0	49.1	30.2	21.4	15.1	23.9	35.2	25.2	13.8	5.0
80.5	82.5°	44.0	25.2	11.3	7.5	6.3	7.5	8.8	6.3	2.5	0.0
41.5	85°	17.6	8.8	3.8	2.5	1.3	0.0	2.5	1.3	0.0	0.0
7.5	87.5°	6.3	1.3	0.0	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>
2488.8
2325.2
1946.5
1450.8
978.9
792.7
772.6
761.2
743.6
726.0
714.7
705.9
697.1
688.3
682.0
674.4
650.5
597.7
528.5
456.7
392.6
336.0
289.4
245.4
205.1
161.1
123.3
104.4
85.6
65.4
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