

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: P852546

Luminaire Tested: **GLAN-SB4C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852546
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-SB4C-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 615mA 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: 19513 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

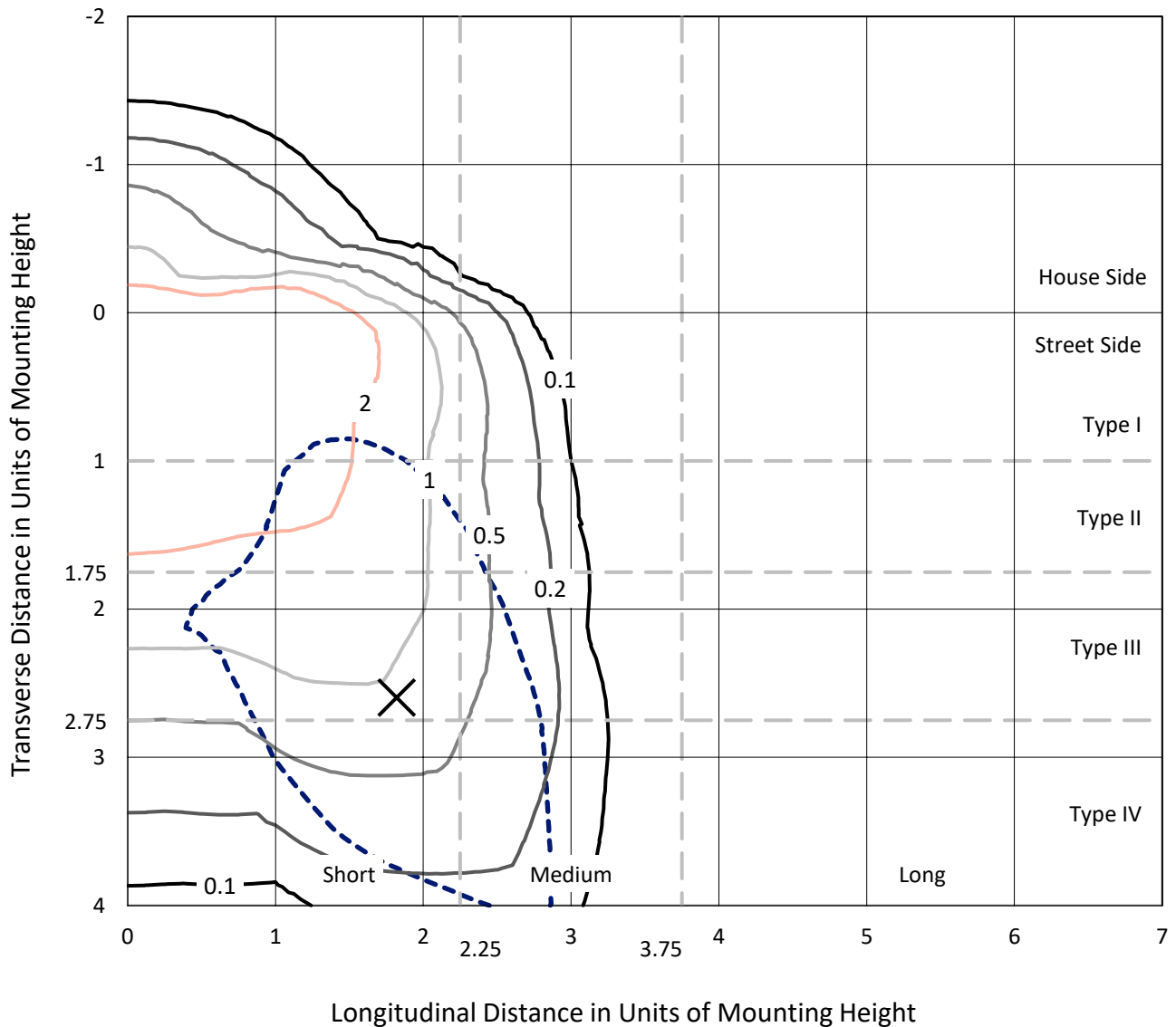
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

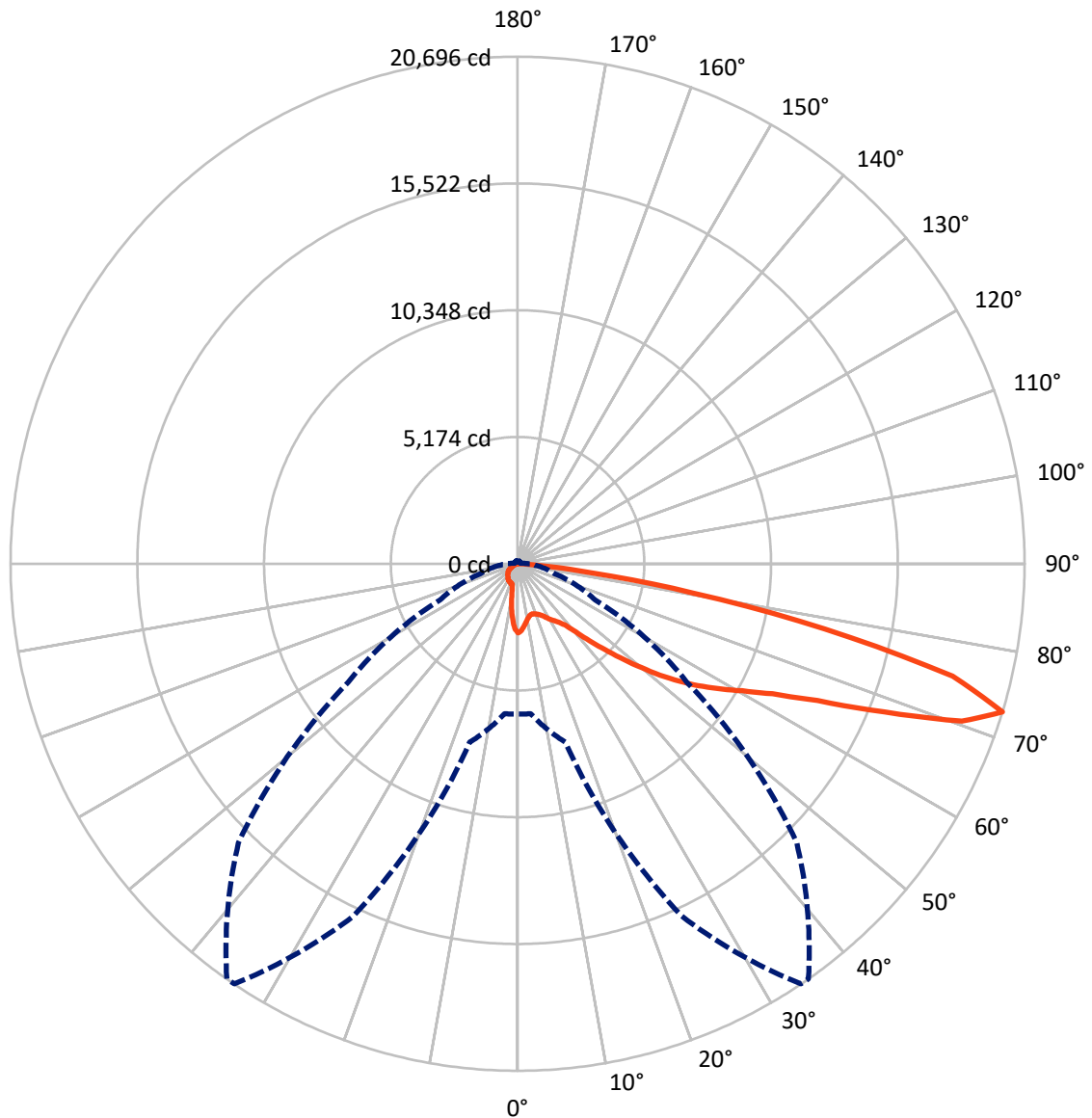
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	2196.1	0.0	2196.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17316.9	0.0	17316.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	19513.0	0.0	19513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.4	1.2
10°-20°	543.7	2.8
20°-30°	883.2	4.5
30°-40°	1473.5	7.6
40°-50°	2788.0	14.3
50°-60°	4430.1	22.7
60°-70°	5480.3	28.1
70°-80°	3406.6	17.5
80°-90°	275.3	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°	19513.0	100.0
0°-180°	19513.0	100.0

Coefficient of Utilization

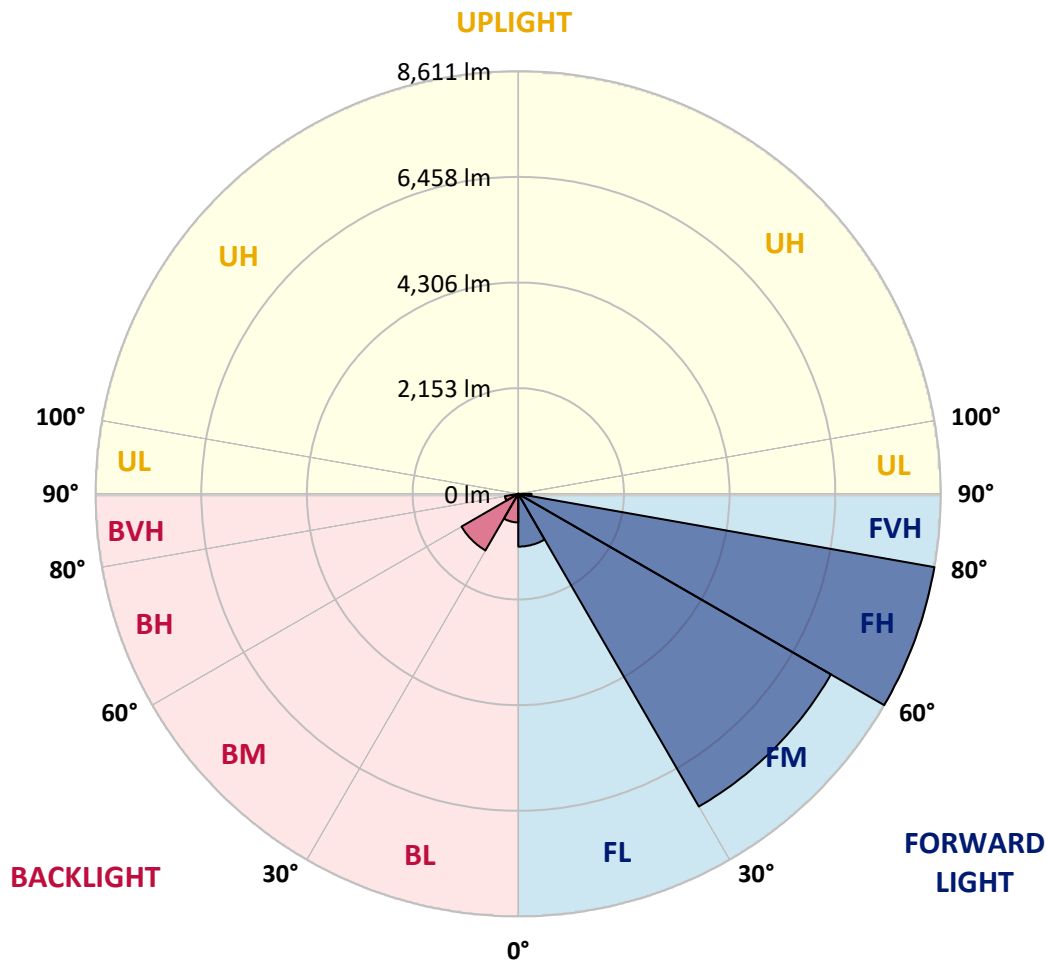


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1075.7	5.5			
FM (30°-60°)	7358.4	37.7			
FH (60°-80°)	8611.3	44.1			G4/12000
FVH (80°-90°)	271.6	1.4			G3/500
BL (0°-30°)	583.5	3.0	B2/1000		
BM (30°-60°)	1333.2	6.8	B2/2500		
BH (60°-80°)	275.6	1.4	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1
2.5°	2702.3	2725.1	2729.4	2736.6	2736.6	2745.2	2759.5	2779.5	2812.4	2829.5
5°	2490.7	2507.8	2529.3	2546.4	2579.3	2583.6	2639.4	2693.7	2769.5	2826.7
7.5°	2277.6	2297.6	2326.2	2367.7	2410.6	2423.5	2507.8	2599.3	2719.4	2826.7
10°	2127.5	2128.9	2154.7	2196.1	2264.8	2280.5	2383.4	2513.5	2663.7	2809.5
12.5°	2043.1	2053.2	2064.6	2096.0	2161.8	2171.8	2281.9	2434.9	2607.9	2799.5
15°	2043.1	2050.3	2057.4	2073.2	2126.1	2134.6	2231.9	2384.9	2579.3	2803.8
17.5°	2064.6	2076.0	2070.3	2088.9	2144.7	2150.4	2236.2	2370.6	2577.9	2830.9
20°	2116.1	2124.6	2113.2	2124.6	2180.4	2191.8	2280.5	2397.7	2602.2	2878.1
22.5°	2197.6	2201.8	2174.7	2183.3	2240.5	2254.7	2357.7	2474.9	2660.8	2953.9
25°	2300.5	2309.1	2267.6	2277.6	2332.0	2349.1	2467.8	2590.7	2753.7	3058.3
27.5°	2419.2	2423.5	2387.7	2386.3	2456.3	2480.7	2600.8	2733.7	2878.1	3189.8
30°	2555.0	2567.9	2533.6	2527.8	2616.5	2636.5	2755.2	2909.6	3061.1	3387.1
32.5°	2662.2	2672.2	2652.2	2666.5	2756.6	2772.3	2942.5	3158.4	3348.5	3667.4
35°	2816.6	2822.4	2776.6	2802.4	2905.3	2945.3	3198.4	3507.2	3710.3	4019.1
37.5°	3375.7	3375.7	3181.2	3054.0	3152.6	3188.4	3548.7	3946.2	4156.3	4490.9
40°	4149.2	4136.3	3851.8	3591.6	3578.7	3648.8	4047.7	4499.5	4732.5	5057.1
42.5°	4974.2	4954.2	4566.7	4309.3	4266.4	4290.7	4623.9	5181.5	5418.8	5747.7
45°	5706.2	5700.5	5345.9	4999.9	4922.7	4999.9	5343.1	5979.3	6149.4	6495.5
47.5°	6319.6	6319.6	6060.8	5834.9	5794.9	5840.6	6316.7	6864.3	6848.6	7291.8
50°	7025.9	7020.2	6774.3	6677.0	6718.5	6782.8	7437.7	7796.5	7572.1	8073.9
52.5°	7520.6	7554.9	7470.6	7454.8	7666.4	7778.0	8575.8	8708.7	8219.8	8816.0
55°	7912.4	7952.4	8049.6	8159.7	8567.2	8713.0	9678.1	9573.7	8761.6	9459.4
57.5°	8467.1	8409.9	8560.0	8777.4	9436.5	9612.4	10746.2	10390.1	9197.7	9981.2
60°	9140.5	9149.1	9174.8	9449.4	10304.4	10530.3	11798.5	11162.2	9478.0	10301.5
62.5°	9949.8	9962.6	10015.5	10437.3	11469.6	11682.7	12919.4	11794.2	9606.6	10211.4
65°	9894.0	9948.3	10538.8	11981.5	13241.1	13451.3	14227.7	12237.4	9412.2	9387.9
67.5°	9013.3	9101.9	10089.9	13825.9	15911.9	16146.4	15809.0	12324.6	8572.9	7300.4
70°	7858.0	7889.5	9077.6	15484.4	19004.5	19241.9	17224.5	11365.3	6505.5	4072.0
72.5°	6136.6	6143.7	7537.8	15869.0	20683.1	20695.9	16113.5	8437.1	3498.7	1564.2
75°	4383.7	4340.8	5048.5	12869.4	18196.7	18342.5	12080.1	3957.6	1336.8	739.2
77.5°	2350.5	2397.7	2856.7	7632.1	12570.6	12819.3	6591.2	1141.0	680.6	503.3
80°	726.3	766.4	1171.0	3494.4	7120.3	7270.4	2443.5	507.6	474.7	358.9
82.5°	228.8	237.3	546.2	1468.4	2955.3	3024.0	707.7	287.4	324.6	237.3
85°	65.8	67.2	243.1	547.6	730.6	744.9	198.7	111.5	185.9	147.3
87.5°	7.1	22.9	91.5	91.5	64.3	62.9	21.4	24.3	52.9	18.6
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°
2828.1	0°	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1	2828.1
2841.0	2.5°	2833.8	2835.2	2816.6	2785.2	2750.9	2722.3	2686.5	2657.9	2637.9	2632.2
2866.7	5°	2853.8	2843.8	2790.9	2695.1	2580.7	2482.1	2372.0	2284.8	2227.6	2203.3
2893.9	7.5°	2883.8	2855.3	2739.4	2550.7	2332.0	2137.5	1940.2	1787.2	1690.0	1641.4
2919.6	10°	2909.6	2852.4	2653.7	2342.0	2007.4	1712.9	1446.9	1262.5	1159.5	1110.9
2949.6	12.5°	2933.9	2851.0	2542.1	2094.6	1641.4	1281.1	1033.7	942.2	913.6	903.6
2998.2	15°	2979.6	2855.3	2402.0	1811.5	1276.8	968.0	877.9	876.4	882.2	879.3
3072.6	17.5°	3042.6	2859.5	2243.3	1511.3	985.1	853.6	849.3	862.2	870.7	866.4
3165.5	20°	3124.1	2876.7	2074.6	1213.9	846.4	825.0	835.0	846.4	853.6	846.4
3289.9	22.5°	3238.4	2906.7	1890.2	975.1	802.1	807.8	816.4	829.3	836.4	826.4
3448.6	25°	3378.5	2953.9	1708.6	847.9	780.7	787.8	800.7	815.0	823.5	813.5
3648.8	27.5°	3560.1	3029.7	1541.3	819.3	759.2	763.5	782.1	803.5	815.0	802.1
3933.3	30°	3823.2	3154.1	1396.9	832.1	746.3	736.3	762.1	792.1	805.0	793.5
4320.8	32.5°	4172.1	3329.9	1308.2	852.1	740.6	704.9	729.2	767.8	789.2	782.1
4826.9	35°	4629.6	3597.3	1273.9	875.0	736.3	672.0	689.1	730.6	767.8	774.9
5464.6	37.5°	5184.4	3969.0	1283.9	885.0	723.5	644.8	653.4	689.1	737.8	760.6
6182.3	40°	5814.9	4402.3	1341.1	875.0	709.2	622.0	623.4	650.5	693.4	727.8
6954.4	42.5°	6465.4	4908.4	1446.9	837.8	696.3	601.9	597.6	616.2	644.8	669.1
7725.1	45°	7084.5	5428.8	1551.3	786.4	680.6	581.9	571.9	579.1	584.8	594.8
8475.7	47.5°	7625.0	5794.9	1521.3	739.2	659.1	559.0	541.9	539.0	521.9	520.4
9146.2	50°	7998.1	5874.9	1351.1	692.0	627.7	533.3	506.1	489.0	459.0	444.7
9648.1	52.5°	8116.8	5559.0	1103.8	644.8	576.2	499.0	460.4	433.2	396.0	383.2
9936.9	55°	7959.5	4939.9	882.2	587.6	504.7	453.2	410.3	374.6	344.6	328.8
9968.4	57.5°	7574.9	4152.1	697.7	520.4	428.9	401.8	358.9	323.1	297.4	281.7
9619.5	60°	6937.3	3297.1	551.9	440.4	366.0	346.0	301.7	278.8	255.9	237.3
8718.7	62.5°	5969.3	2353.4	433.2	348.9	306.0	283.1	257.4	240.2	213.0	187.3
7098.8	65°	4658.2	1439.8	334.6	255.9	245.9	234.5	218.8	203.0	170.1	144.4
4631.0	67.5°	2938.2	682.0	238.8	193.0	194.4	188.7	181.6	168.7	144.4	121.5
2074.6	70°	1293.9	330.3	157.3	147.3	144.4	144.4	150.1	145.8	123.0	101.5
720.6	72.5°	440.4	177.3	117.2	111.5	104.4	102.9	125.8	121.5	98.7	78.6
358.9	75°	230.2	118.7	85.8	80.1	62.9	75.8	100.1	94.4	70.1	51.5
237.3	77.5°	150.1	84.4	58.6	51.5	35.7	50.0	74.3	65.8	41.5	25.7
155.8	80°	94.4	55.8	34.3	24.3	17.2	27.2	40.0	28.6	15.7	5.7
91.5	82.5°	50.0	28.6	12.9	8.6	7.1	8.6	10.0	7.1	2.9	0.0
47.2	85°	20.0	10.0	4.3	2.9	1.4	0.0	2.9	1.4	0.0	0.0
8.6	87.5°	7.1	1.4	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>
2828.1
2642.2
2211.9
1648.5
1112.4
900.8
877.9
865.0
845.0
825.0
812.1
802.1
792.1
782.1
774.9
766.4
739.2
679.1
600.5
519.0
446.1
381.7
328.8
278.8
233.1
183.0
140.1
118.7
97.2
74.3
47.2
22.9
4.3
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