

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: P852853

Luminaire Tested: **GLAN-SB6D-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52369 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

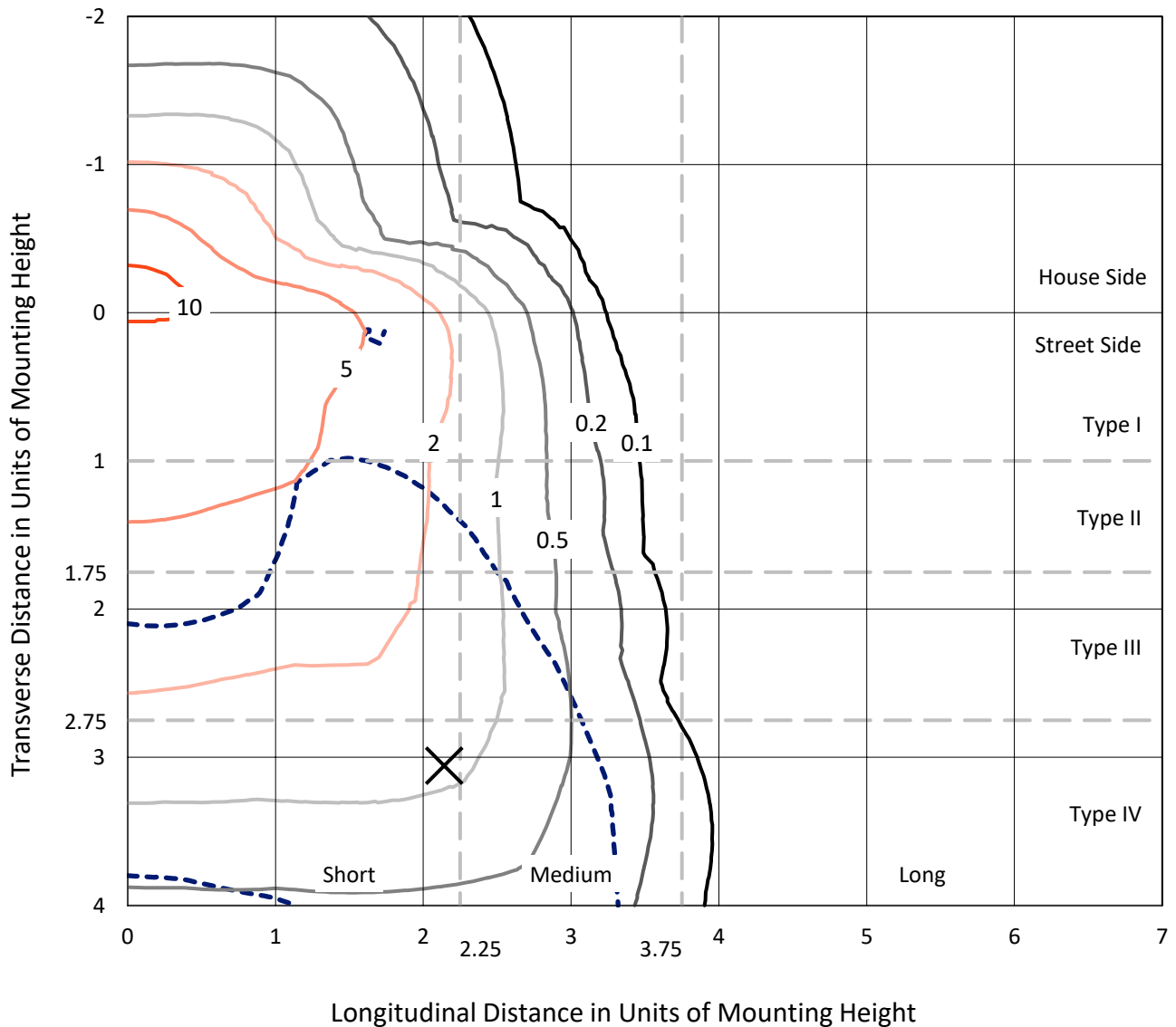
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

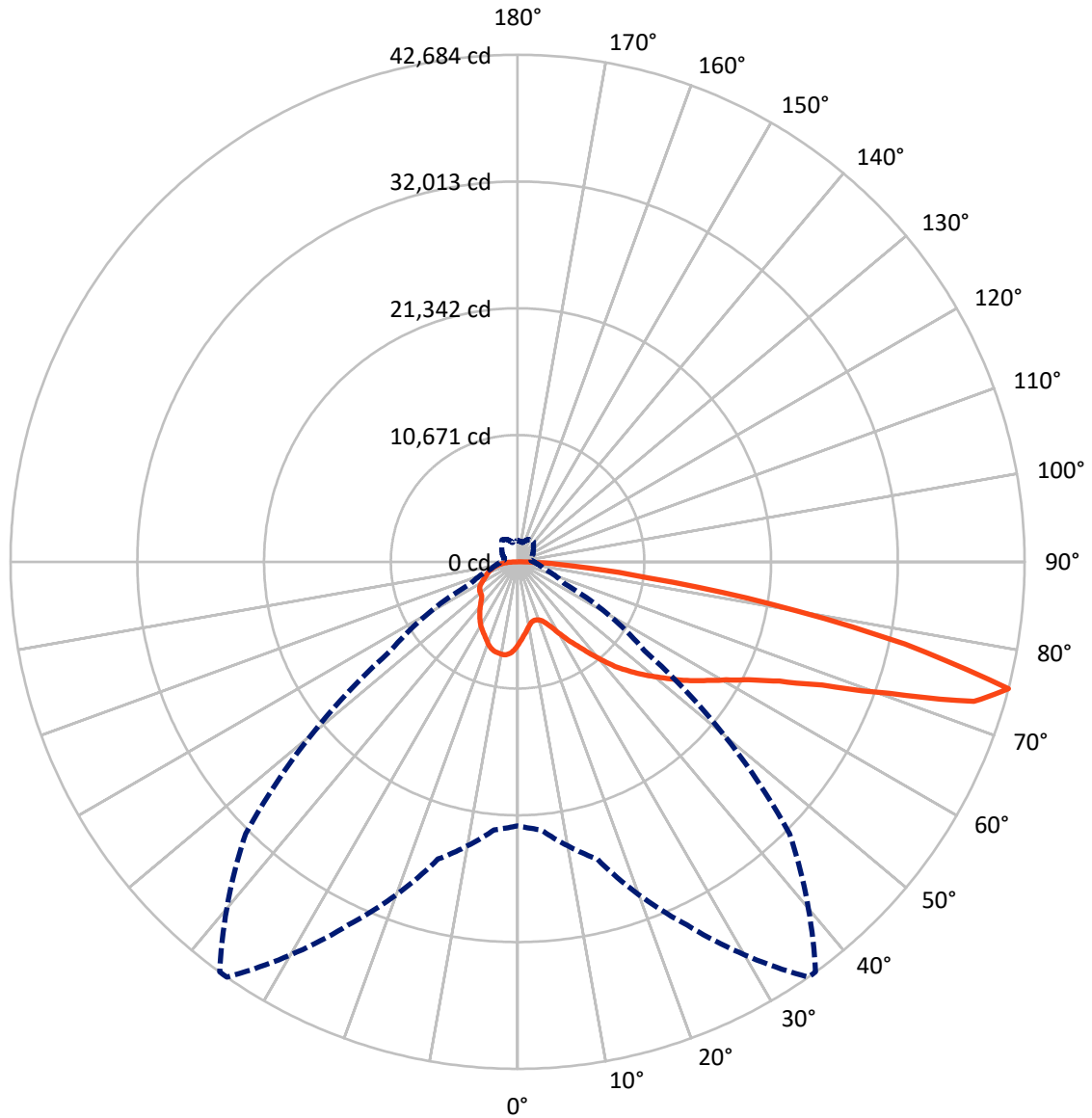
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12462.5	0.0	12462.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	39906.5	0.0	39906.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	52369.0	0.0	52369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.7	1.3
10°-20°	1905.8	3.6
20°-30°	3200.4	6.1
30°-40°	4973.8	9.5
40°-50°	7382.5	14.1
50°-60°	10192.0	19.5
60°-70°	12365.2	23.6
70°-80°	10218.9	19.5
80°-90°	1469.8	2.8
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°	52369.0	100.0
0°-180°	52369.0	100.0

Coefficient of Utilization

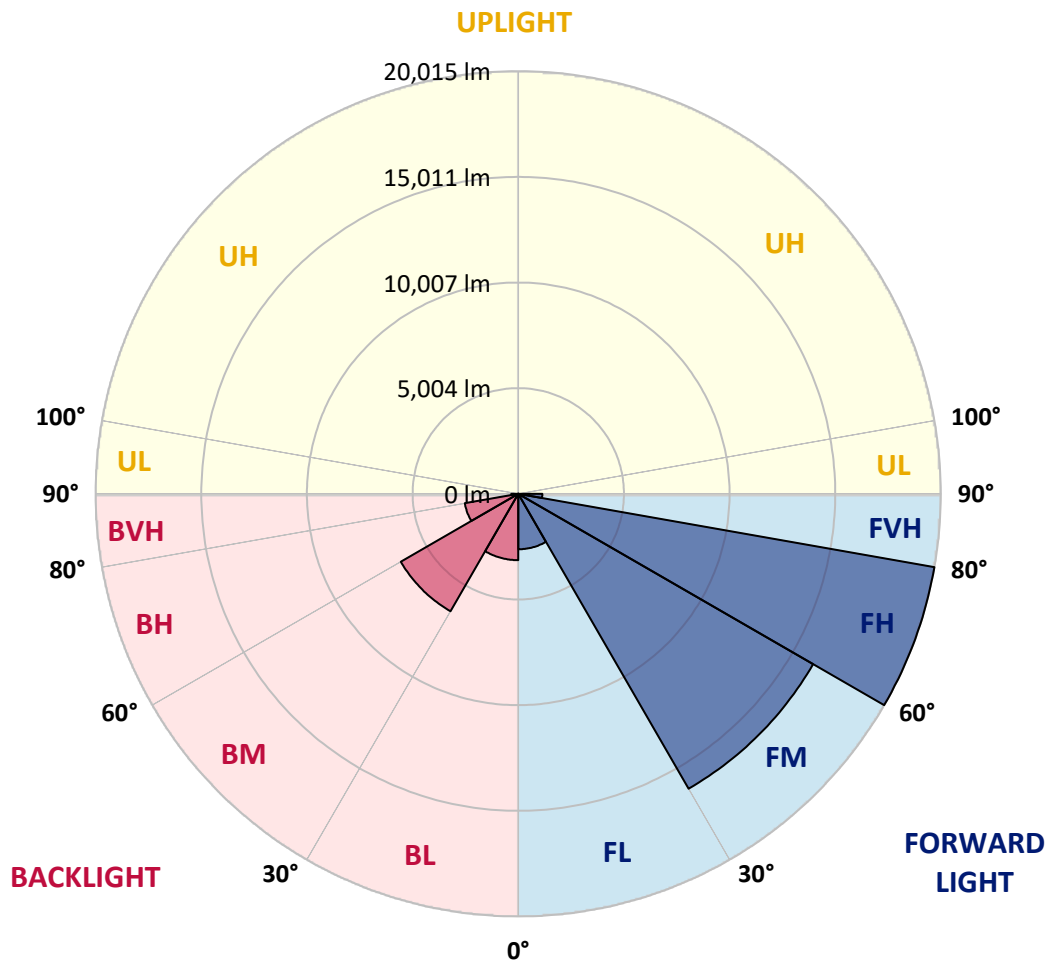


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2626.2	5.0			
FM (30°-60°)	16126.8	30.8			
FH (60°-80°)	20014.6	38.2			G5
FVH (80°-90°)	1138.8	2.2			G5
BL (0°-30°)	3140.7	6.0	B4/5000		
BM (30°-60°)	6421.4	12.3	B4/8500		
BH (60°-80°)	2569.4	4.9	B4/5000		G4/5000
BVH (80°-90°)	331.0	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5
2.5°	6435.0	6474.6	6491.6	6483.1	6525.6	6519.9	6579.3	6653.0	6754.9	6854.0
5°	5939.5	5982.0	6018.8	6052.8	6134.9	6160.4	6253.8	6395.3	6582.2	6771.9
7.5°	5478.1	5514.9	5571.5	5633.8	5772.5	5798.0	5953.7	6174.5	6435.0	6712.4
10°	5101.5	5138.3	5197.8	5268.6	5441.3	5472.4	5670.6	5965.0	6304.7	6655.8
12.5°	4940.2	4951.5	4985.5	5056.2	5206.3	5226.1	5444.1	5781.0	6177.3	6613.3
15°	4931.7	4954.3	4957.2	4994.0	5118.5	5127.0	5328.0	5662.1	6098.1	6604.8
17.5°	5016.6	5033.6	5008.1	5030.8	5135.5	5149.7	5308.2	5605.5	6072.6	6641.6
20°	5243.1	5257.2	5180.8	5149.7	5226.1	5237.4	5393.1	5642.3	6098.1	6718.1
22.5°	5724.4	5732.9	5546.0	5418.6	5424.3	5429.9	5565.8	5792.3	6197.2	6856.8
25°	6474.6	6468.9	6171.7	5925.4	5783.8	5752.7	5843.3	6035.8	6364.2	7040.8
27.5°	7352.2	7309.8	7012.5	6644.5	6335.9	6290.6	6270.8	6352.9	6602.0	7284.3
30°	8343.1	8303.5	7983.5	7502.3	7074.8	7001.2	6814.3	6771.9	6955.9	7615.5
32.5°	9430.2	9404.7	9022.5	8439.3	7867.5	7782.5	7468.3	7355.1	7499.4	8116.6
35°	10341.8	10319.2	10002.1	9401.9	8702.6	8597.9	8278.0	8150.6	8224.2	8759.3
37.5°	11165.6	11154.3	10882.5	10409.7	9687.8	9560.4	9200.9	9158.4	9144.3	9605.7
40°	11930.0	11901.7	11618.6	11369.5	10834.4	10718.3	10401.3	10364.5	10256.9	10647.6
42.5°	12776.5	12702.9	12292.4	12176.3	12031.9	11935.7	11746.0	11751.7	11513.9	11822.4
45°	13467.3	13424.8	13003.0	12935.0	13090.7	13051.1	13215.3	13257.8	12796.3	13053.9
47.5°	14209.0	14169.4	13812.7	13764.5	14186.4	14197.7	14778.0	14792.2	14047.6	14333.6
50°	15123.4	15066.8	14712.9	14772.4	15245.2	15287.6	16349.3	16253.0	15199.9	15633.0
52.5°	15726.4	15760.4	15684.0	15780.2	16425.7	16465.4	17895.0	17648.7	16340.8	16915.5
55°	16170.9	16238.9	16476.7	16697.5	17671.4	17711.0	19353.0	18976.5	17286.4	18104.5
57.5°	16742.8	16646.5	17091.0	17521.3	18854.8	18959.5	20771.4	20256.1	18124.3	19129.4
60°	17563.8	17495.9	17841.2	18478.2	20179.7	20346.7	22271.8	21408.4	18738.7	19941.9
62.5°	19228.5	19058.6	19112.4	19675.8	21850.0	22070.8	23964.8	22413.4	19044.4	20259.0
65°	21716.9	21425.3	21153.6	21544.2	24202.6	24420.6	25875.7	23203.2	18931.2	19644.6
67.5°	24850.9	24562.1	24228.1	24596.1	27667.8	27840.5	28234.0	23647.7	18039.4	17277.9
70°	27435.6	27328.1	27727.2	29241.9	33202.5	33208.1	31257.6	23279.7	15596.2	12249.9
72.5°	27093.1	27028.0	29131.4	33814.0	40178.2	40028.1	34119.7	20493.9	10506.0	5526.2
75°	22226.5	22648.4	25906.9	33731.9	42683.7	42663.8	32367.3	13028.5	4345.7	2290.3
77.5°	11918.7	12586.8	16819.2	24904.7	33321.4	33822.5	22755.9	4558.0	1865.7	1466.5
80°	3887.0	4470.2	6703.9	12680.2	21651.8	21558.4	9752.9	1789.2	1276.8	1039.0
82.5°	1650.5	1718.4	2995.2	5987.7	11111.8	10939.2	3105.7	1027.7	897.4	710.6
85°	645.5	721.9	1322.1	2768.8	4812.8	4708.0	1121.1	509.6	574.7	464.3
87.5°	212.3	257.6	472.8	948.4	1497.6	1443.8	274.6	175.5	249.1	212.3
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°
6978.5	0°	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5	6978.5
6998.3	2.5°	7038.0	7083.3	7137.1	7216.3	7284.3	7340.9	7400.3	7437.2	7451.3	7493.8
7009.7	5°	7088.9	7188.0	7321.1	7451.3	7578.7	7655.1	7723.1	7757.1	7788.2	7810.9
7040.8	7.5°	7173.9	7301.3	7510.8	7680.6	7788.2	7850.5	7895.8	7884.5	7895.8	7901.4
7074.8	10°	7247.5	7425.8	7675.0	7836.3	7918.4	7921.3	7909.9	7870.3	7850.5	7853.3
7125.7	12.5°	7335.2	7533.4	7802.4	7938.2	7960.9	7898.6	7850.5	7782.5	7757.1	7745.7
7202.2	15°	7454.1	7680.6	7941.1	7992.0	7935.4	7856.1	7774.0	7663.6	7607.0	7561.7
7332.4	17.5°	7598.5	7847.7	8048.7	8011.9	7890.1	7759.9	7626.8	7459.8	7343.7	7295.6
7510.8	20°	7799.5	8023.2	8130.8	7969.4	7785.4	7587.2	7360.7	7156.9	7049.3	7001.2
7737.2	22.5°	8043.0	8258.2	8210.0	7895.8	7635.3	7318.2	7035.1	6885.1	6831.3	6797.3
8028.8	25°	8334.6	8518.6	8266.6	7788.2	7389.0	6961.5	6743.5	6695.4	6669.9	6644.5
8385.6	27.5°	8714.0	8813.0	8309.1	7629.7	7004.0	6582.2	6502.9	6511.4	6502.9	6460.4
8881.0	30°	9215.0	9195.2	8348.7	7372.0	6562.4	6239.6	6245.3	6282.1	6287.7	6259.4
9571.8	32.5°	9874.7	9673.7	8368.6	7038.0	6140.5	5939.5	5945.2	5984.8	6013.1	5965.0
10474.9	35°	10673.0	10231.4	8337.4	6619.0	5815.0	5653.6	5611.1	5622.5	5630.9	5585.6
11570.5	37.5°	11604.4	10857.1	8198.7	6154.7	5546.0	5373.3	5282.7	5206.3	5161.0	5118.5
12810.5	40°	12626.5	11539.3	7943.9	5701.7	5245.9	5076.1	4940.2	4795.8	4642.9	4586.3
14124.1	42.5°	13696.6	12241.4	7635.3	5268.6	4900.5	4761.8	4617.4	4407.9	4178.6	4062.5
15488.6	45°	14806.4	12960.5	7332.4	4841.1	4546.7	4487.2	4320.2	4068.2	3819.1	3671.9
16856.0	47.5°	15893.5	13640.0	6887.9	4410.8	4215.4	4280.5	4150.3	3918.2	3640.7	3408.6
18212.1	50°	16932.5	14277.0	6160.4	3974.8	3946.5	4218.3	4093.7	3759.6	3442.5	3145.3
19542.7	52.5°	17963.0	14792.2	5228.9	3578.4	3802.1	4201.3	4020.1	3652.0	3264.2	2952.8
20794.0	55°	18837.8	15058.3	4331.5	3238.7	3592.6	4056.9	3932.3	3524.6	3012.2	2681.0
21651.8	57.5°	19336.0	14843.2	3584.1	2904.7	3303.8	3819.1	3782.3	3252.9	2712.1	2457.3
21818.9	60°	19120.9	13971.2	2972.6	2613.1	3029.2	3561.5	3521.8	2983.9	2482.8	2242.2
20924.2	62.5°	17934.7	12309.4	2488.5	2358.3	2780.1	3298.2	3261.4	2777.3	2307.3	2075.2
18549.0	65°	15545.3	10013.4	2112.0	2145.9	2528.1	2981.1	3034.9	2604.6	2168.6	1942.1
14350.6	67.5°	11856.4	7253.1	1817.5	1961.9	2281.8	2669.7	2825.4	2480.0	2052.5	1837.3
8303.5	70°	6757.7	4119.2	1568.4	1783.6	2063.8	2380.9	2664.0	2380.9	1927.9	1749.6
3111.3	72.5°	2562.1	1891.1	1356.1	1605.2	1854.3	2137.4	2485.7	2225.2	1783.6	1650.5
1608.0	75°	1367.4	1152.2	1140.9	1395.7	1613.7	1899.6	2262.0	2072.3	1676.0	1743.9
1112.6	77.5°	931.4	815.3	954.1	1194.7	1350.4	1636.3	2024.2	1840.2	1452.3	1446.7
770.0	80°	645.5	577.5	775.7	962.6	1044.7	1375.9	1766.6	1579.7	1183.4	1104.1
475.6	82.5°	387.9	376.5	580.4	719.1	738.9	1061.6	1463.6	1324.9	968.2	843.7
283.1	85°	212.3	223.7	370.9	421.8	430.3	741.7	1146.6	1024.8	744.6	625.7
101.9	87.5°	59.5	76.4	135.9	167.0	206.7	385.0	682.3	608.7	373.7	260.5
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>
6978.5
7490.9
7816.5
7909.9
7859.0
7740.1
7575.9
7298.4
6995.5
6803.0
6644.5
6468.9
6273.6
5987.7
5616.8
5146.8
4611.8
4076.7
3660.5
3383.1
3119.8
2918.8
2652.7
2423.4
2208.2
2038.4
1905.3
1803.4
1726.9
1627.9
1800.5
1333.4
1056.0
849.3
631.3
260.5
0.0

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