

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: P849708

Luminaire Tested: **GLAN-SB6D-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54915 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

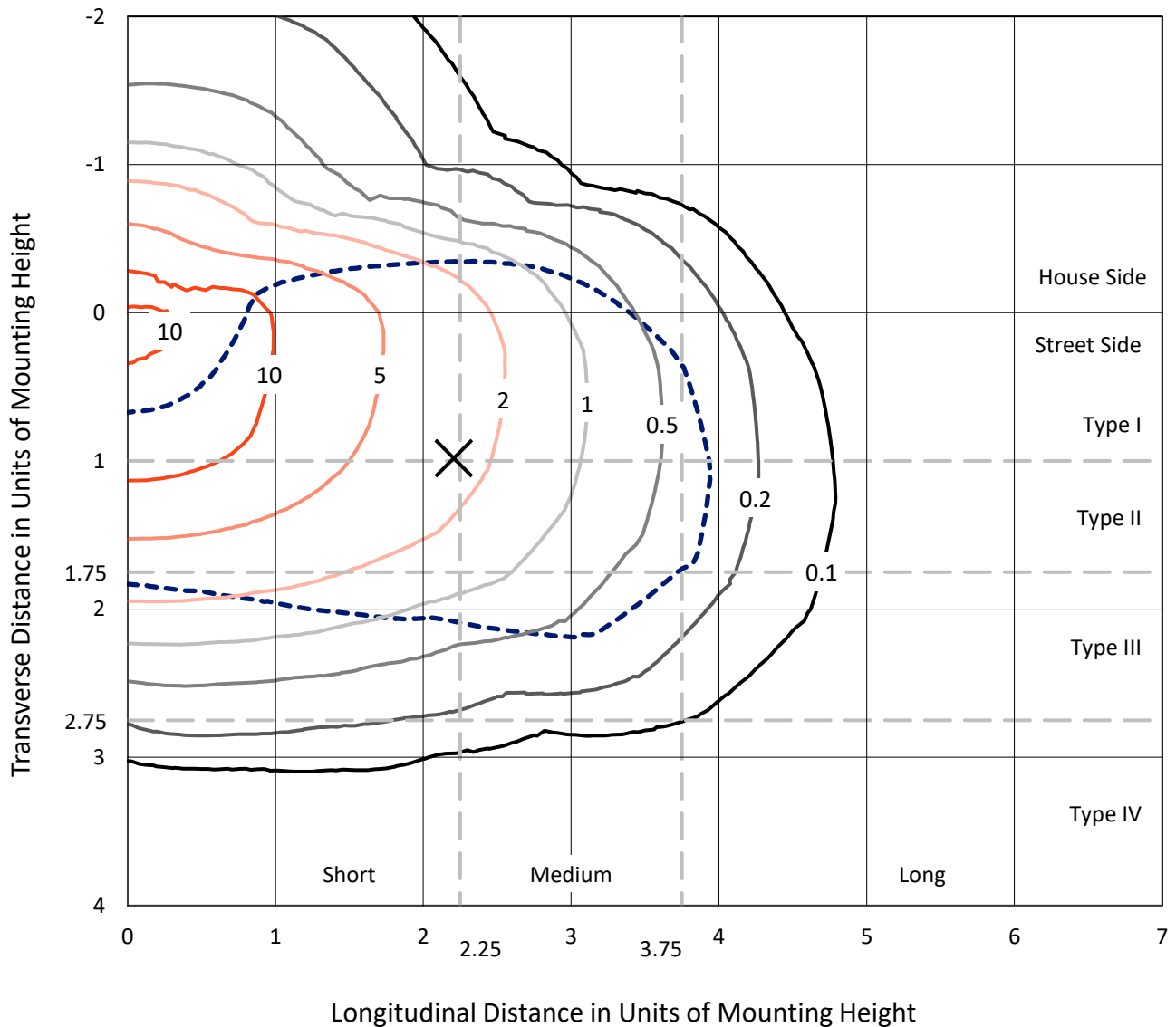
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

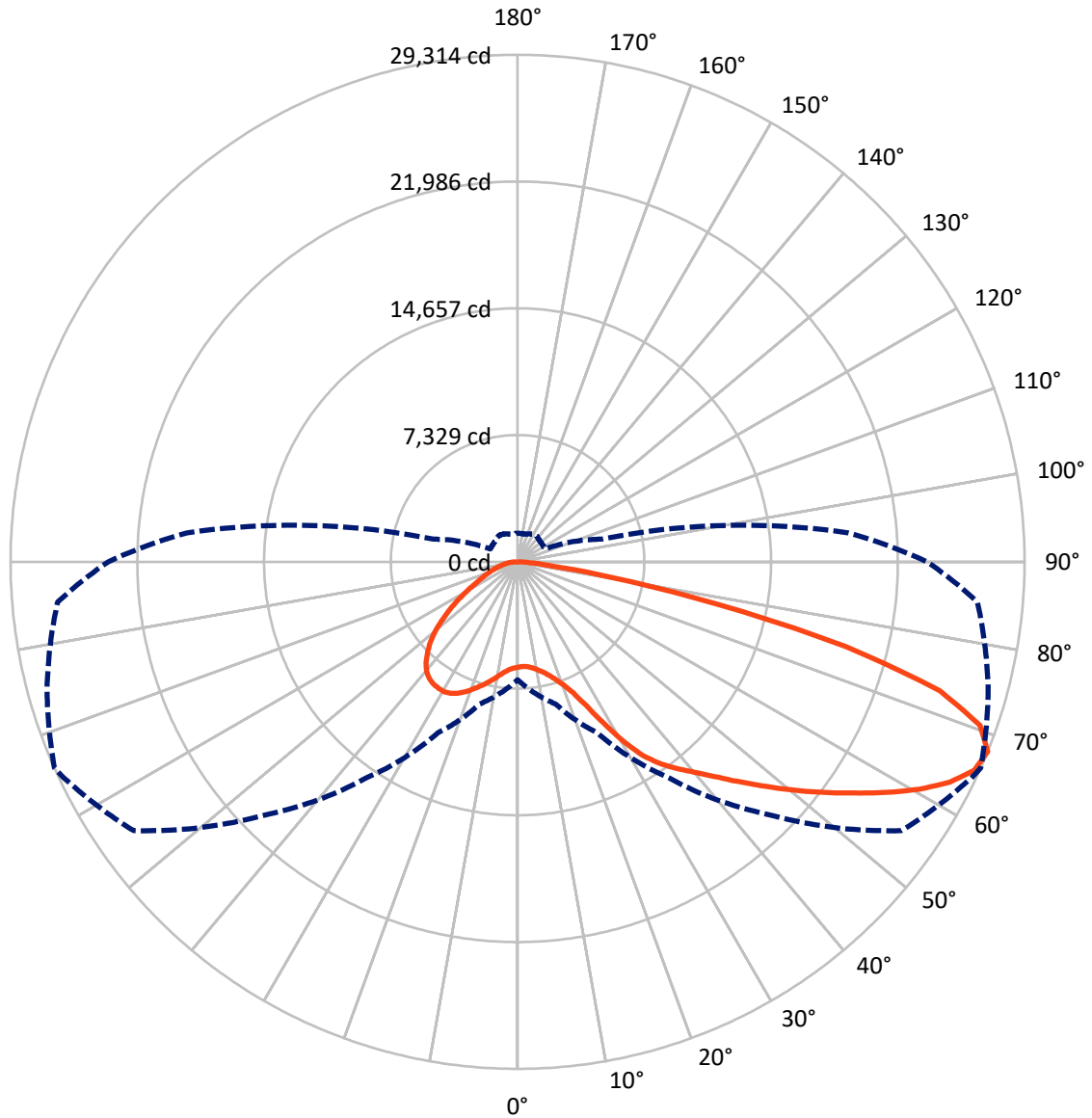
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13654.5	0.0	13654.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	41260.5	0.0	41260.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	54915.0	0.0	54915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.9	1.1
10°-20°	1995.1	3.6
20°-30°	3845.5	7.0
30°-40°	6742.6	12.3
40°-50°	10024.0	18.3
50°-60°	12706.5	23.1
60°-70°	12432.9	22.6
70°-80°	5930.6	10.8
80°-90°	633.8	1.2
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°	54915.0	100.0
0°-180°	54915.0	100.0

Coefficient of Utilization

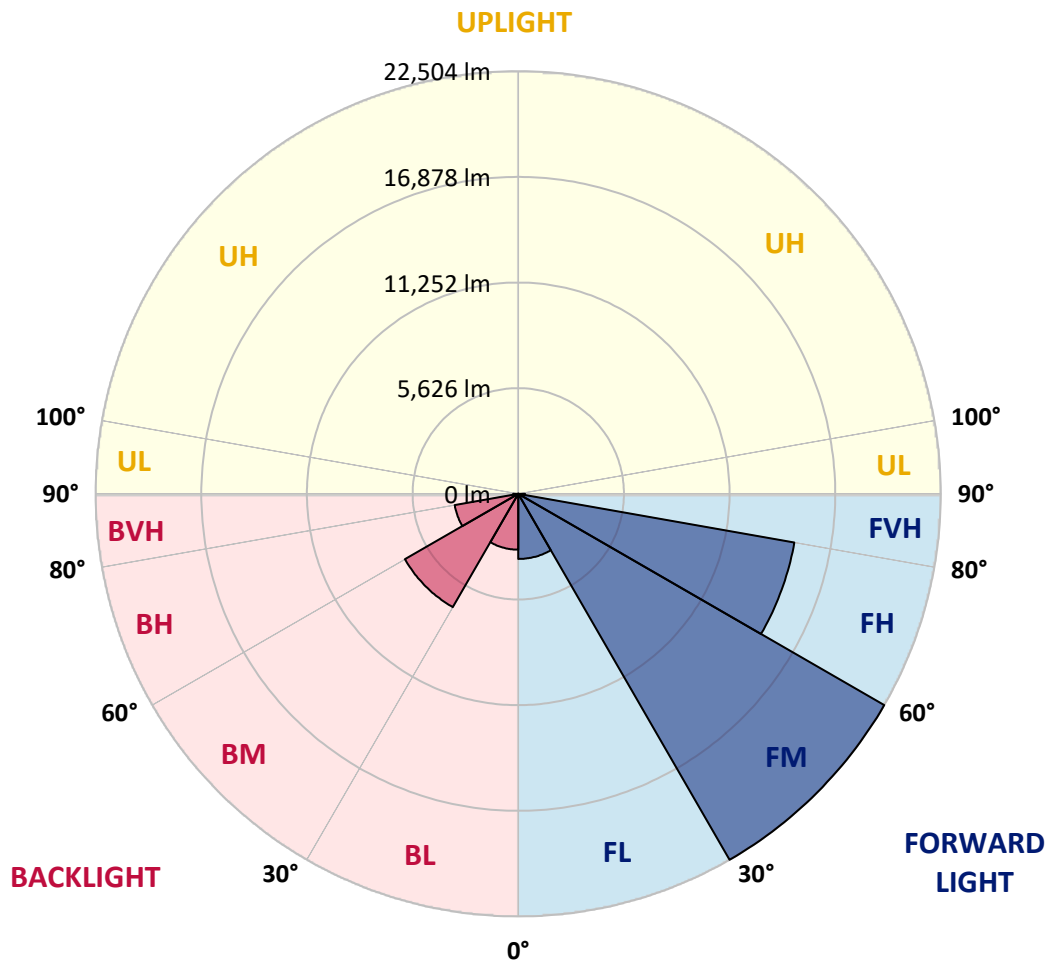


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3470.1	6.3			
FM (30°-60°)	22503.7	41.0			
FH (60°-80°)	14927.4	27.2			G5
FVH (80°-90°)	359.4	0.7			G3/500
BL (0°-30°)	2974.4	5.4	B4/5000		
BM (30°-60°)	6969.4	12.7	B4/8500		
BH (60°-80°)	3436.2	6.3	B4/5000		G4/5000
BVH (80°-90°)	274.5	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8
2.5°	6027.3	6061.9	6053.3	6038.9	6036.0	6041.7	6050.4	6059.1	6056.2	6070.6
5°	6010.0	6044.6	6041.7	6041.7	6053.3	6076.4	6090.8	6105.2	6090.8	6108.1
7.5°	6021.6	6047.5	6059.1	6070.6	6099.5	6142.7	6177.4	6209.1	6191.8	6212.0
10°	6168.7	6188.9	6200.4	6200.4	6220.6	6269.7	6304.3	6362.0	6347.6	6379.3
12.5°	6437.0	6457.2	6457.2	6445.7	6460.1	6491.9	6503.4	6566.9	6540.9	6592.8
15°	6766.0	6806.3	6774.6	6754.4	6760.2	6791.9	6789.0	6838.1	6812.1	6855.4
17.5°	7129.5	7181.4	7129.5	7126.6	7115.1	7149.7	7152.6	7195.9	7149.7	7181.4
20°	7559.4	7631.5	7588.3	7602.7	7576.7	7591.1	7605.6	7669.0	7596.9	7620.0
22.5°	8165.3	8251.9	8205.7	8260.5	8243.2	8231.7	8228.8	8341.3	8228.8	8237.4
25°	9048.2	9152.1	9071.3	9146.3	9146.3	9183.8	9227.1	9371.3	9183.8	9129.0
27.5°	10352.3	10456.2	10297.5	10343.7	10329.3	10421.6	10375.4	10733.2	10531.2	10441.8
30°	11921.9	12106.6	11806.5	11795.0	11780.5	11927.7	11994.1	12230.6	12025.8	11936.4
32.5°	13618.5	13811.8	13454.0	13350.1	13295.3	13384.8	13329.9	13520.4	13379.0	13240.5
35°	15413.1	15603.5	15263.1	15061.1	14841.8	14654.3	14458.1	14507.1	14374.4	14163.8
37.5°	17109.6	17458.8	17098.1	16881.7	16477.8	16111.3	15563.1	15335.2	15211.1	15017.8
40°	18837.9	19037.0	18762.9	18578.2	18139.7	17565.5	16688.4	16206.5	16039.2	15851.7
42.5°	20110.3	20300.7	20153.6	20026.6	19683.3	19016.8	17882.9	17279.9	17037.5	16826.9
45°	21120.2	21261.5	21169.2	21215.4	21068.2	20421.9	19120.7	18431.1	18180.1	17923.3
47.5°	21527.0	21677.0	21824.2	22098.3	22349.3	21873.2	20450.8	19677.5	19412.1	19149.5
50°	21480.8	21633.7	22060.8	22643.6	23422.6	23263.9	21853.0	21004.7	20759.5	20459.4
52.5°	21111.5	21284.6	21832.8	22802.3	24042.9	24305.5	23281.2	22375.2	22144.4	21786.7
55°	20142.1	20245.9	21068.2	22441.6	24190.1	25032.6	24680.6	23835.2	23604.4	23105.2
57.5°	18344.5	18494.6	19691.9	21469.3	23820.8	25526.0	25909.7	25370.2	25148.0	24429.6
60°	15998.8	16238.3	17608.8	19836.2	22880.2	25523.1	27026.3	26879.1	26694.5	25733.7
62.5°	13344.4	13621.3	14939.9	17528.0	21235.6	24798.9	27724.5	28142.9	28047.7	26936.9
65°	10248.5	10438.9	11751.7	14541.7	18676.3	23243.7	27805.3	29005.6	29022.9	27851.5
67.5°	6823.7	7371.9	8511.5	10912.1	15248.6	20701.8	27095.5	29147.0	29314.3	28166.0
70°	3329.6	4050.9	5167.5	7092.0	10912.1	16803.8	25240.3	27987.1	28359.3	27248.5
72.5°	1382.0	1615.7	2224.5	3499.8	6263.9	11339.1	21512.6	24842.2	25531.7	24143.9
75°	931.9	1009.8	1272.4	1794.6	2853.5	5591.6	15514.1	18523.4	19634.2	18234.9
77.5°	718.4	767.5	926.2	1255.1	1696.5	2114.9	8303.8	11163.1	11737.3	10865.9
80°	565.5	603.0	692.5	914.6	1203.2	1131.0	2830.4	5057.9	5389.7	4521.2
82.5°	490.5	504.9	496.3	620.3	799.2	660.7	929.1	1866.8	2060.1	1494.6
85°	354.9	395.3	412.6	383.7	424.1	334.7	380.9	660.7	727.1	649.2
87.5°	144.3	213.5	262.6	248.1	155.8	95.2	118.3	193.3	222.2	242.4
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°
6090.8	0°	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8	6090.8
6093.7	2.5°	6096.6	6116.8	6131.2	6148.5	6160.0	6177.4	6212.0	6232.2	6235.1	6249.5
6139.8	5°	6151.4	6180.2	6212.0	6258.1	6310.1	6353.4	6419.7	6465.9	6483.2	6497.6
6252.4	7.5°	6269.7	6310.1	6367.8	6448.6	6523.6	6581.3	6662.1	6716.9	6771.7	6791.9
6431.3	10°	6445.7	6503.4	6587.1	6696.7	6777.5	6852.5	6936.2	6982.3	7037.2	7060.2
6644.8	12.5°	6665.0	6725.6	6835.2	6988.1	7063.1	7115.1	7143.9	7132.4	7143.9	7164.1
6901.6	15°	6916.0	6982.3	7106.4	7270.9	7322.8	7276.6	7213.2	7155.5	7146.8	7152.6
7213.2	17.5°	7213.2	7262.2	7406.5	7545.0	7507.5	7317.0	7178.5	7086.2	7040.1	7025.6
7611.3	20°	7628.6	7628.6	7746.9	7833.5	7582.5	7259.3	7042.9	6892.9	6797.7	6757.3
8153.8	22.5°	8133.6	8087.4	8162.4	8101.8	7568.1	7097.8	6797.7	6538.0	6393.8	6336.0
8912.6	25°	8774.1	8719.3	8699.1	8324.0	7464.2	6841.0	6353.4	6038.9	5911.9	5880.2
10006.1	27.5°	9740.7	9602.2	9339.6	8445.2	7273.8	6437.0	5834.0	5542.6	5470.5	5473.4
11411.2	30°	11027.5	10750.5	10107.1	8465.4	6962.1	5865.7	5303.1	5095.4	5060.8	5075.2
12591.3	32.5°	12219.1	11956.5	10891.9	8373.0	6483.2	5306.0	4827.1	4688.6	4636.6	4653.9
13491.5	35°	13153.9	13081.8	11619.0	8243.2	5894.6	4780.9	4400.0	4281.7	4180.8	4157.7
14339.8	37.5°	14036.8	14008.0	12164.3	8061.4	5311.8	4408.7	4056.7	3900.9	3753.7	3672.9
15277.5	40°	15006.3	14977.4	12522.1	7781.6	4795.3	4085.5	3748.0	3543.1	3361.3	3214.2
16339.3	42.5°	16096.9	15926.7	12692.3	7380.5	4356.8	3811.4	3496.9	3220.0	2980.5	2844.9
17539.5	45°	17288.5	16904.8	12689.4	6869.8	3987.4	3560.4	3228.6	2836.2	2614.1	2487.1
18771.5	47.5°	18552.3	17839.6	12533.6	6304.3	3629.7	3283.4	2813.1	2513.1	2365.9	2288.0
20110.3	50°	19856.4	18713.8	12268.2	5655.1	3263.2	2968.9	2553.5	2348.6	2236.1	2164.0
21437.5	52.5°	21082.6	19507.3	11947.9	4919.4	2891.0	2663.1	2438.1	2279.4	2161.1	2080.3
22724.4	55°	22222.3	20191.1	11494.9	4166.3	2588.1	2458.2	2383.2	2250.5	2114.9	2019.7
24031.4	57.5°	23235.1	20635.4	10713.0	3459.4	2371.7	2316.9	2325.5	2201.5	2045.7	1964.9
25318.2	60°	24077.6	20961.5	9556.0	2804.5	2195.7	2178.4	2236.1	2109.1	1927.4	1835.0
26406.0	62.5°	24582.5	20955.7	8136.5	2296.7	2045.7	2051.4	2117.8	1993.7	1809.1	1722.5
26974.4	65°	24539.2	20442.1	6578.4	1964.9	1901.4	1907.2	1993.7	1866.8	1711.0	1659.0
26688.7	67.5°	23670.7	19189.9	5046.3	1748.5	1742.7	1768.7	1869.7	1780.2	1650.4	1644.6
24986.4	70°	21319.2	16590.3	3635.4	1575.4	1578.2	1615.7	1748.5	1725.4	1618.6	1630.2
21007.6	72.5°	17095.2	12649.0	2440.9	1393.6	1396.5	1457.1	1633.1	1682.1	1586.9	1739.8
14905.3	75°	11385.3	7888.3	1569.6	1200.3	1203.2	1281.1	1532.1	1598.4	1500.3	1734.0
7755.6	77.5°	5470.5	3546.0	1136.8	1009.8	1009.8	1082.0	1324.3	1431.1	1278.2	1347.4
2492.9	80°	1889.9	1333.0	894.4	813.6	796.3	845.4	1116.6	1240.7	1102.2	1015.6
813.6	82.5°	744.4	692.5	718.4	631.9	574.2	605.9	868.5	1024.3	810.8	732.9
458.8	85°	427.0	450.1	507.8	418.4	331.8	372.2	637.6	735.7	611.7	539.5
150.0	87.5°	115.4	158.7	233.7	216.4	150.0	158.7	303.0	406.8	352.0	271.2
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°
6090.8
6246.6
6494.7
6794.8
7071.8
7169.9
7172.8
7045.8
6748.6
6327.4
5885.9
5482.0
5124.2
4677.0
4175.0
3675.8
3228.6
2853.5
2481.3
2270.7
2138.0
2045.7
1982.2
1912.9
1794.6
1696.5
1656.1
1653.3
1627.3
1762.9
1748.5
1234.9
952.1
730.0
551.1
279.9
0.0

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