

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: P847315

Luminaire Tested: **GLAN-SB3B-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847315
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-SB3B-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 450mA 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: 10215 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

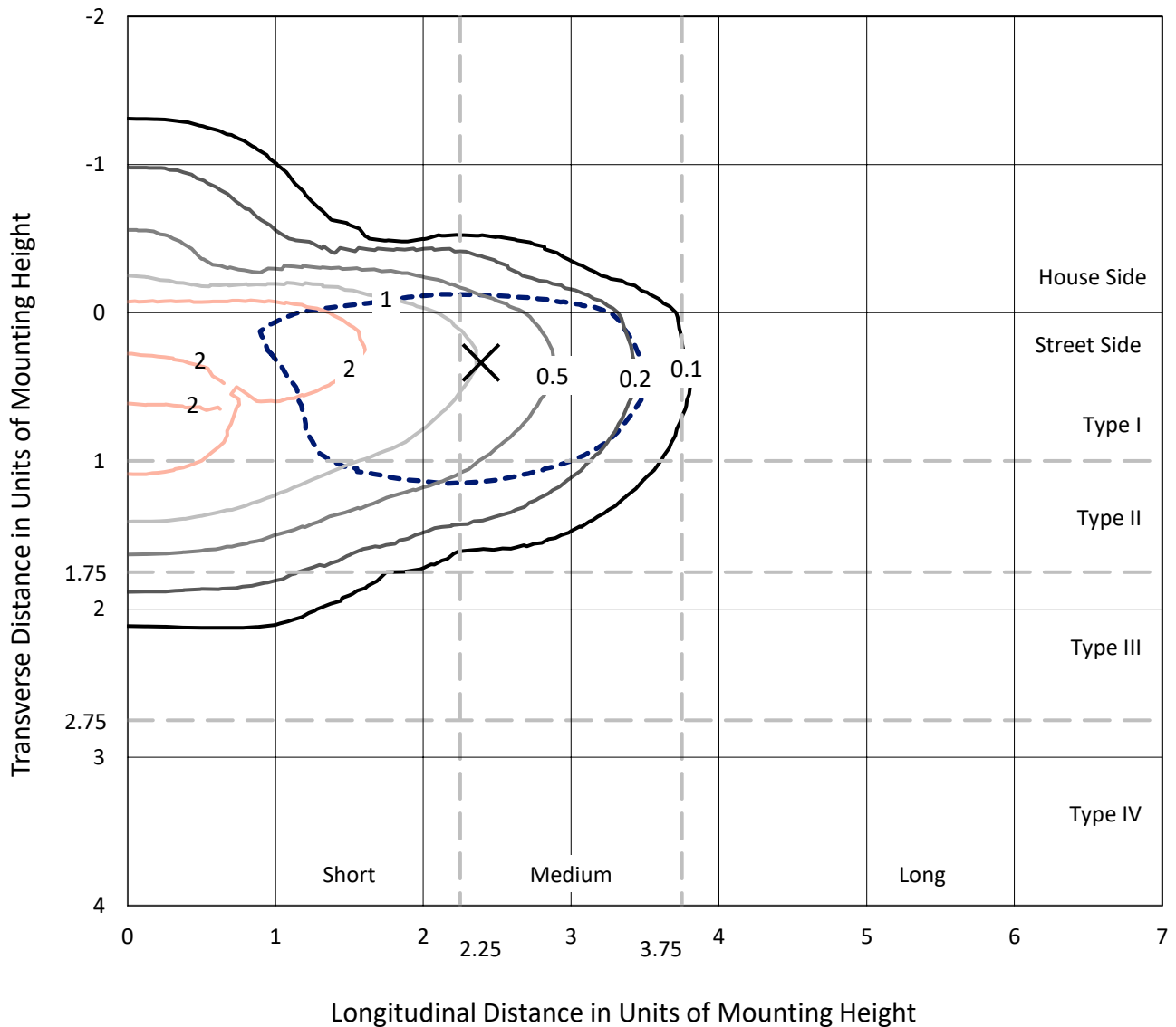
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

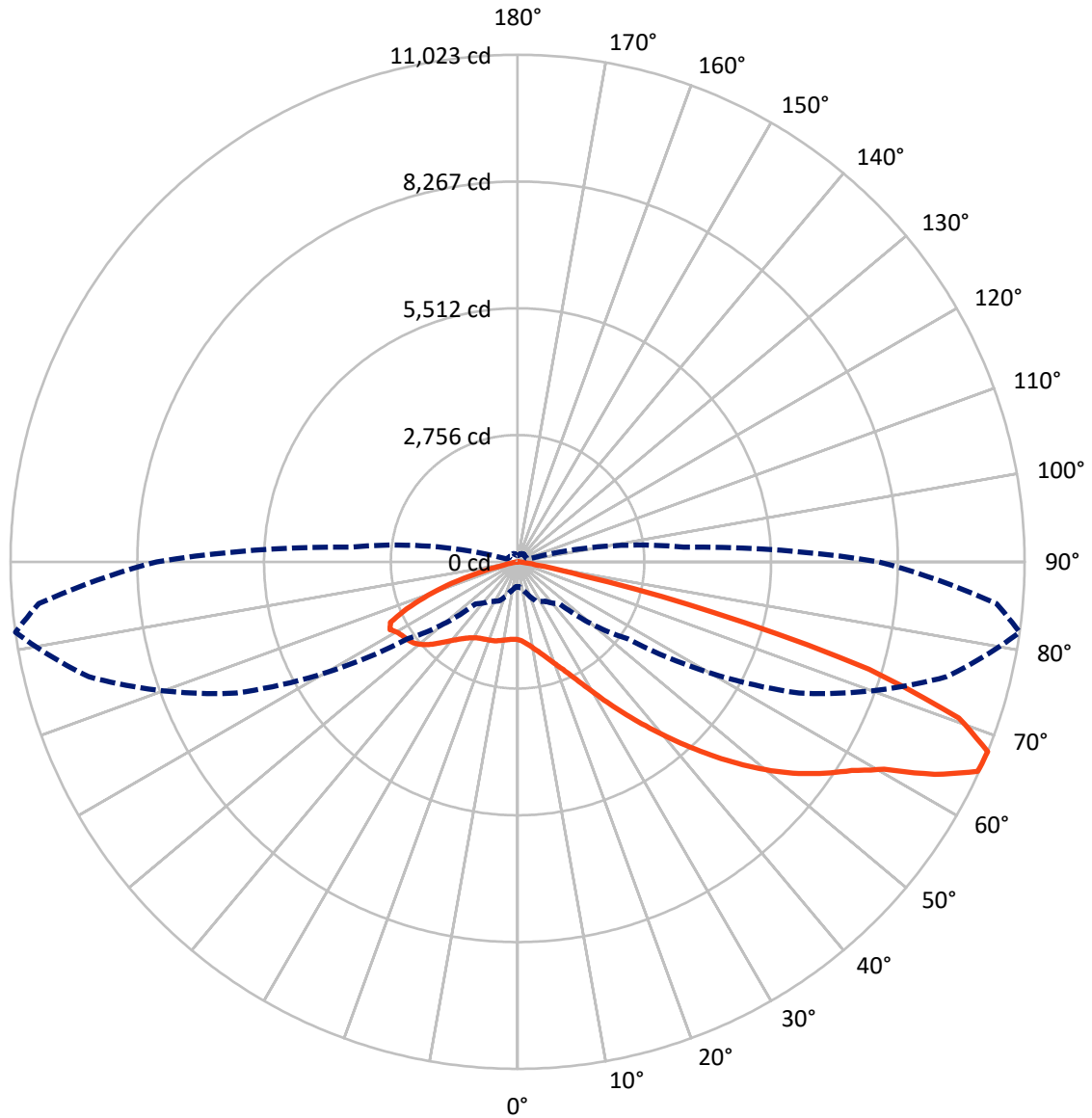
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	1850.4	0.0	1850.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8364.6	0.0	8364.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	10215.0	0.0	10215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.5
10°-20°	391.8	3.8
20°-30°	627.5	6.1
30°-40°	1109.7	10.9
40°-50°	1944.2	19.0
50°-60°	2593.0	25.4
60°-70°	2414.0	23.6
70°-80°	926.5	9.1
80°-90°	57.5	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°	10215.0	100.0
0°-180°	10215.0	100.0

Coefficient of Utilization

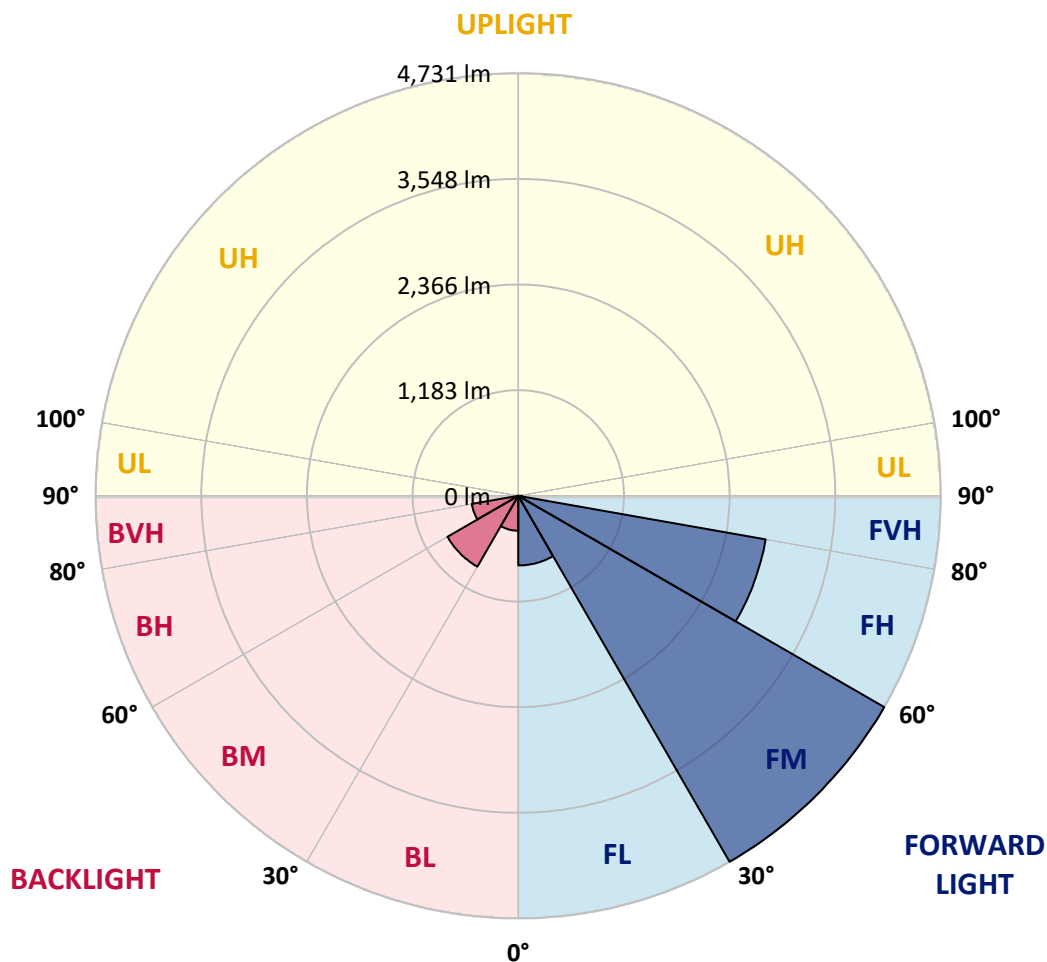


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	779.3	7.6			
FM (30°-60°)	4731.2	46.3			
FH (60°-80°)	2812.3	27.5			G2/5000
FVH (80°-90°)	41.8	0.4			G1/100
BL (0°-30°)	390.8	3.8	B1/500		
BM (30°-60°)	915.7	9.0	B1/1000		
BH (60°-80°)	528.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	15.7	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°	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3
2.5°	1788.6	1798.9	1793.0	1790.1	1784.9	1777.6	1771.7	1753.3	1734.2	1721.7
5°	1824.7	1835.0	1834.2	1837.2	1840.8	1843.0	1841.6	1821.0	1793.8	1772.4
7.5°	1793.8	1805.5	1815.1	1829.8	1855.6	1882.8	1896.0	1891.6	1863.6	1834.2
10°	1706.3	1718.8	1741.6	1776.1	1830.5	1889.4	1938.7	1961.5	1943.8	1911.4
12.5°	1545.9	1558.4	1603.3	1678.3	1769.5	1871.7	1965.9	2026.9	2031.3	1999.0
15°	1365.7	1378.2	1426.0	1520.2	1659.2	1823.2	1980.6	2096.0	2135.0	2107.1
17.5°	1253.9	1265.0	1301.0	1376.8	1521.7	1726.1	1975.4	2169.6	2258.6	2236.5
20°	1220.1	1229.7	1246.6	1299.5	1420.2	1625.4	1941.6	2238.7	2391.7	2379.2
22.5°	1256.2	1265.0	1270.1	1293.7	1369.4	1559.2	1898.9	2309.3	2546.1	2547.6
25°	1339.3	1348.1	1342.2	1356.9	1390.0	1538.6	1882.8	2392.4	2740.3	2756.5
27.5°	1476.1	1476.8	1462.8	1462.1	1467.2	1569.5	1899.7	2481.4	2985.2	3015.4
30°	1750.4	1739.3	1685.7	1627.6	1601.1	1662.1	1946.7	2586.6	3274.2	3327.9
32.5°	2173.3	2157.1	2058.5	1919.5	1779.8	1811.4	2031.3	2706.5	3589.0	3686.1
35°	2632.2	2627.8	2524.8	2318.2	2074.0	2024.0	2168.9	2863.9	3932.5	4086.9
37.5°	3058.8	3056.5	2997.7	2754.3	2457.2	2320.4	2389.5	3069.8	4300.2	4523.8
40°	3448.5	3455.2	3396.3	3178.6	2879.3	2700.6	2689.6	3324.3	4709.1	4999.6
42.5°	3785.4	3792.7	3733.2	3572.1	3296.3	3121.3	3058.0	3636.1	5108.5	5510.8
45°	4014.1	4059.7	4050.9	3922.2	3724.3	3542.7	3500.8	4027.3	5563.7	6052.8
47.5°	4078.8	4120.7	4186.9	4204.6	4084.0	3905.3	3955.3	4498.8	6024.1	6595.6
50°	3919.2	3958.2	4095.7	4278.9	4362.7	4307.6	4397.3	5004.0	6495.5	7136.8
52.5°	3604.5	3644.2	3817.7	4107.5	4449.5	4623.1	4840.8	5501.9	6952.2	7649.5
55°	3149.2	3191.1	3414.0	3742.0	4284.0	4753.2	5210.7	5999.1	7370.7	8110.6
57.5°	2530.0	2560.9	2792.5	3251.4	3867.8	4623.8	5483.5	6541.9	7764.9	8563.6
60°	1648.9	1676.1	1945.3	2457.2	3177.9	4191.4	5538.0	7147.1	8288.6	9152.7
62.5°	1096.6	1114.9	1274.5	1650.4	2238.0	3361.0	5219.5	7630.3	9056.4	10177.9
65°	752.4	770.8	930.3	1192.2	1445.9	2223.3	4303.9	7566.4	9752.1	10992.1
67.5°	536.9	552.3	687.6	934.8	1046.6	1291.5	2917.5	6748.5	9652.1	11023.0
70°	384.6	393.5	505.3	728.1	831.8	775.9	1622.4	5161.4	8451.1	10178.7
72.5°	269.2	272.1	350.8	554.5	670.0	566.3	772.2	3441.2	6391.8	7989.2
75°	182.4	186.1	236.1	406.7	537.6	432.4	408.9	1845.3	3752.3	4422.3
77.5°	111.8	113.3	152.2	278.0	402.3	329.5	263.3	781.8	1451.8	1425.3
80°	63.2	63.2	97.1	172.8	274.3	212.5	184.6	332.4	459.7	403.8
82.5°	35.3	36.0	70.6	107.4	181.7	125.8	101.5	153.7	198.6	175.8
85°	14.7	16.2	43.4	50.7	86.8	62.5	41.2	64.7	73.5	65.5
87.5°	1.5	2.2	13.2	9.6	10.3	12.5	5.9	12.5	10.3	10.3
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°
1692.3	0°	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3
1717.3	2.5°	1703.3	1692.3	1664.3	1632.0	1589.3	1568.7	1540.8	1521.7	1505.5	1506.9
1759.9	5°	1736.4	1708.5	1645.9	1568.0	1470.9	1401.8	1328.2	1277.5	1236.3	1227.5
1818.8	7.5°	1782.0	1737.9	1628.3	1487.8	1323.8	1199.5	1088.5	1017.1	966.4	950.2
1890.1	10°	1840.8	1776.9	1605.5	1387.1	1151.0	992.9	873.7	817.8	783.3	771.5
1974.0	12.5°	1909.2	1821.7	1575.3	1264.2	973.0	820.8	745.0	717.1	706.0	702.4
2076.9	15°	1995.3	1877.6	1529.7	1118.6	822.2	715.6	683.2	679.6	681.0	679.6
2200.5	17.5°	2097.5	1938.7	1455.5	968.6	720.7	661.9	650.1	653.1	656.8	656.0
2338.7	20°	2209.3	1999.0	1360.6	835.5	651.6	623.7	617.0	620.0	622.9	621.5
2498.3	22.5°	2336.5	2063.7	1255.4	731.8	605.3	588.4	581.0	581.7	581.7	578.8
2700.6	25°	2488.8	2135.0	1145.1	658.2	570.0	556.7	547.9	545.0	540.6	531.7
2946.2	27.5°	2670.4	2210.8	1039.2	606.7	542.0	529.5	519.2	511.9	500.8	486.1
3241.1	30°	2874.9	2302.7	949.5	574.4	520.0	507.5	495.7	484.7	468.5	450.1
3580.2	32.5°	3115.4	2401.3	884.0	553.1	500.1	486.9	472.9	459.7	442.0	423.6
3961.2	35°	3402.2	2520.4	845.8	538.4	484.7	467.0	451.6	436.9	423.6	407.4
4375.2	37.5°	3713.3	2646.9	834.0	531.0	474.4	447.2	429.5	419.2	417.7	408.2
4823.1	40°	4053.8	2796.9	842.8	526.6	463.3	428.0	408.9	406.7	410.4	393.5
5301.9	42.5°	4414.2	2974.9	857.5	521.4	447.9	408.9	390.5	390.5	387.6	364.0
5807.9	45°	4804.0	3180.1	872.2	508.9	429.5	389.8	375.8	370.7	358.2	335.4
6316.8	47.5°	5196.7	3389.0	883.3	486.1	407.4	373.6	361.1	349.3	331.0	310.4
6816.2	50°	5569.6	3576.5	871.5	452.3	382.4	358.2	344.9	328.7	308.9	294.9
7289.1	52.5°	5902.8	3739.0	821.5	412.6	356.0	342.0	330.2	313.3	297.1	282.4
7715.6	55°	6192.5	3870.7	733.2	375.1	332.4	328.0	316.2	294.9	272.9	260.4
8138.5	57.5°	6470.5	3970.7	622.9	344.2	311.1	312.6	294.9	275.8	255.2	242.0
8708.5	60°	6840.5	4104.6	511.1	315.5	288.3	292.7	273.6	259.6	233.9	217.0
9685.9	62.5°	7431.8	4312.7	406.0	280.2	261.8	263.3	255.2	238.3	207.4	187.5
10410.4	65°	7901.0	4236.2	319.9	242.0	231.7	233.9	233.9	215.5	182.4	159.6
10449.3	67.5°	7848.0	3627.3	255.2	204.5	203.0	204.5	209.6	194.2	161.8	143.4
9653.6	70°	7229.5	2885.2	204.5	169.9	176.5	172.8	187.5	177.2	145.6	127.2
7484.0	72.5°	5899.1	2078.4	155.9	140.5	135.3	141.2	169.2	159.6	121.3	100.8
3964.1	75°	3447.1	1109.1	116.2	111.1	97.8	117.7	150.0	136.1	92.7	74.3
1215.0	77.5°	1122.3	386.8	85.3	81.6	72.8	94.9	128.0	114.7	75.8	58.8
356.0	80°	300.8	116.9	58.1	53.7	47.1	70.6	101.5	91.2	54.4	38.2
153.0	82.5°	120.6	49.3	33.8	30.2	25.7	48.5	80.2	73.5	40.4	24.3
47.8	85°	39.0	16.2	12.5	9.6	11.8	30.2	47.8	50.0	28.7	12.5
7.4	87.5°	5.1	2.2	2.2	2.9	2.2	5.1	14.7	14.0	8.1	1.5
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

180°
1692.3
1492.2
1207.6
934.0
762.7
700.2
678.8
654.6
620.7
577.3
530.3
484.7
448.6
424.4
406.0
407.4
394.2
364.0
334.6
309.6
292.7
280.9
258.9
240.5
214.8
186.1
157.4
140.5
125.0
98.6
72.1
56.6
37.5
24.3
9.6
0.0
0.0

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