

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: P846965

Luminaire Tested: **GLAN-SB2D-830-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846965
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-SB2D-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 900mA 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: 12760 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

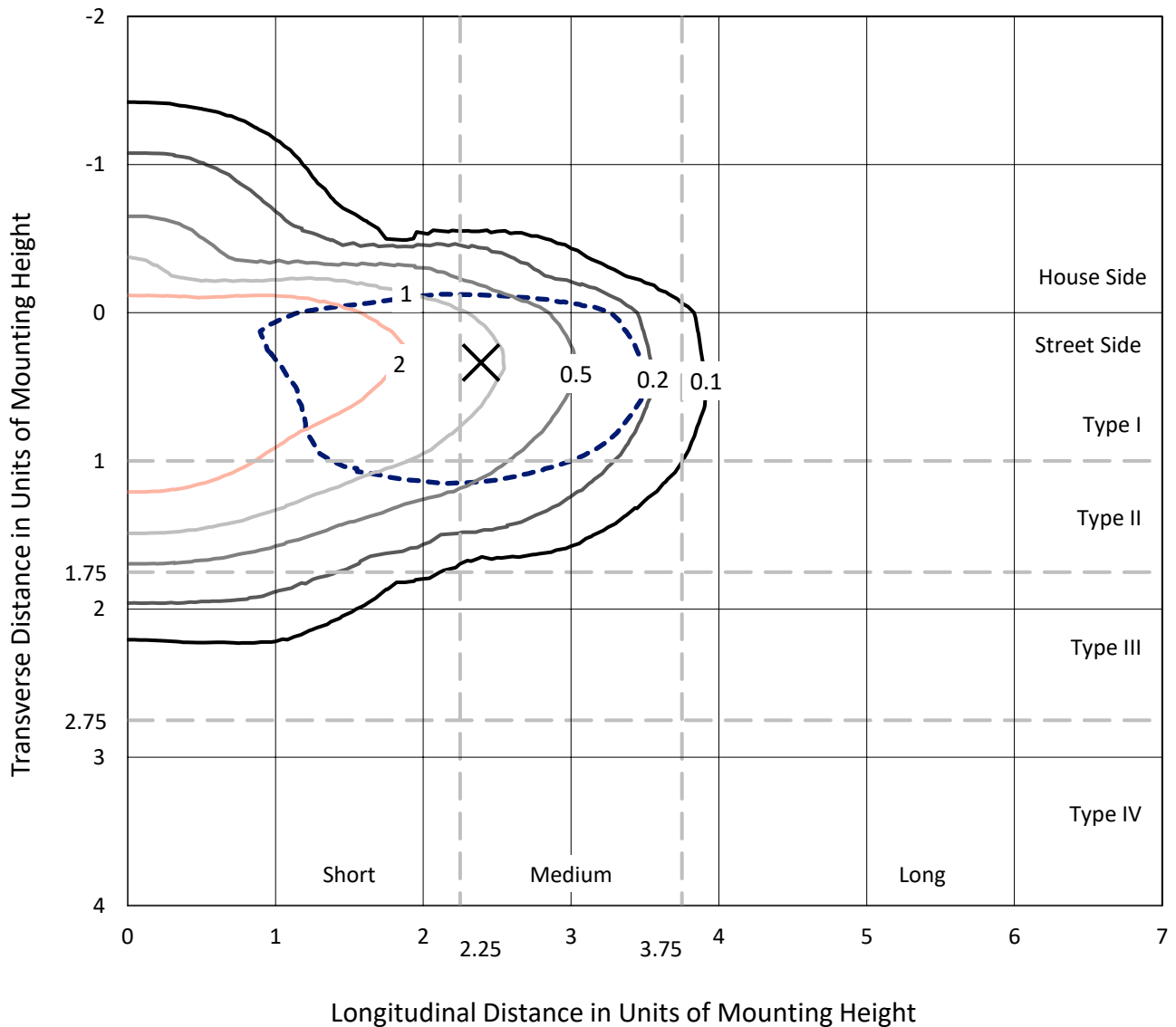
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

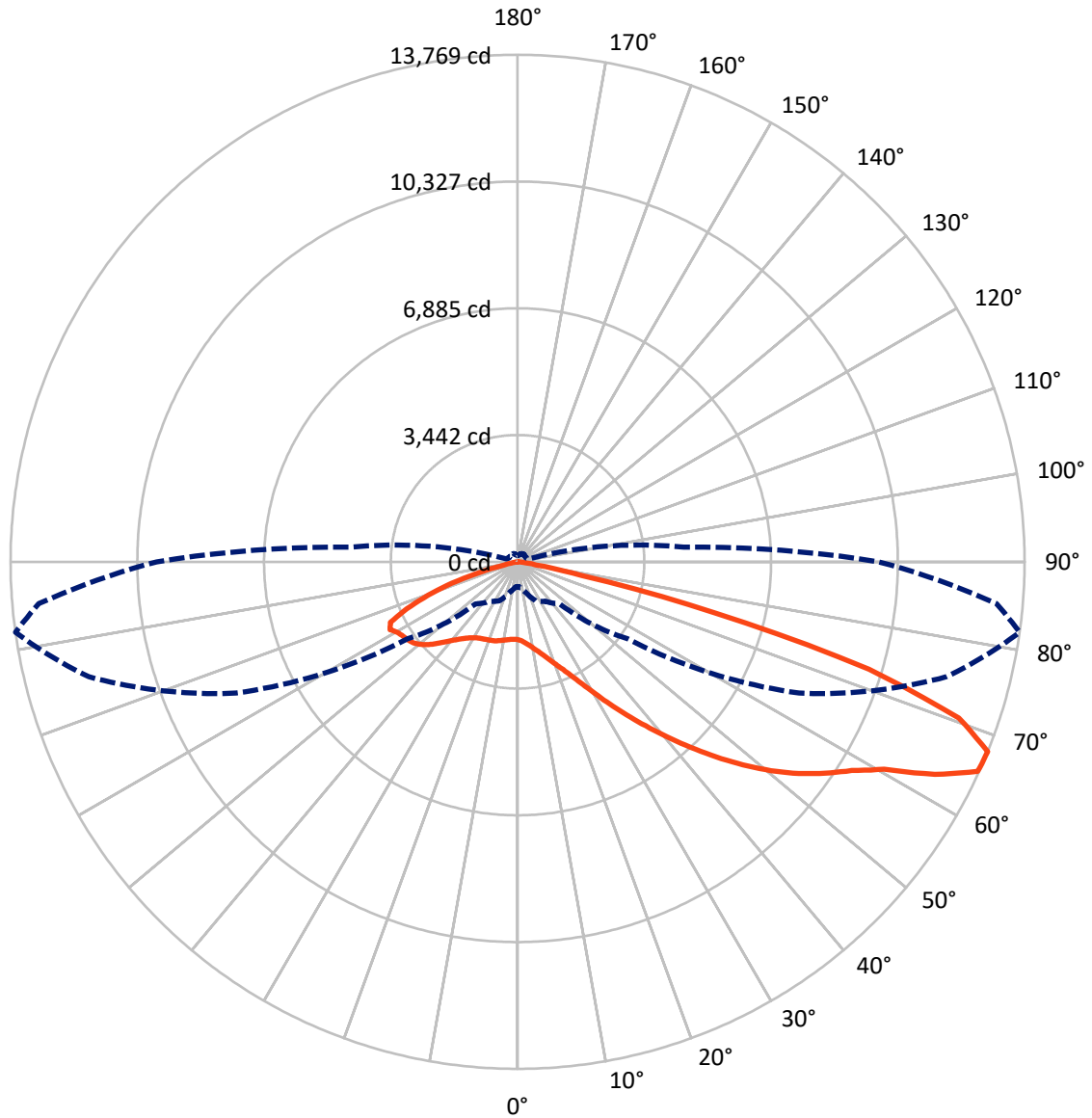
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type 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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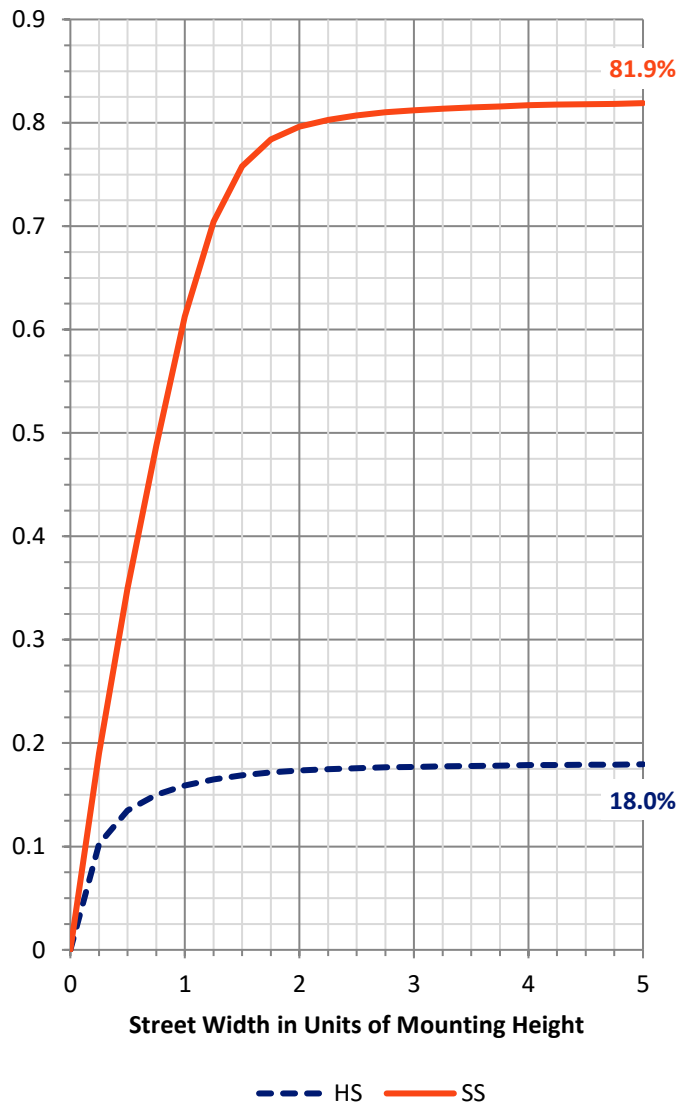
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2311.4	0.0	2311.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10448.6	0.0	10448.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	12760.0	0.0	12760.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	1.5
10°-20°	489.4	3.8
20°-30°	783.9	6.1
30°-40°	1386.1	10.9
40°-50°	2428.6	19.0
50°-60°	3239.1	25.4
60°-70°	3015.4	23.6
70°-80°	1157.3	9.1
80°-90°	71.9	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°	12760.0	100.0
0°-180°	12760.0	100.0

Coefficient of Utilization

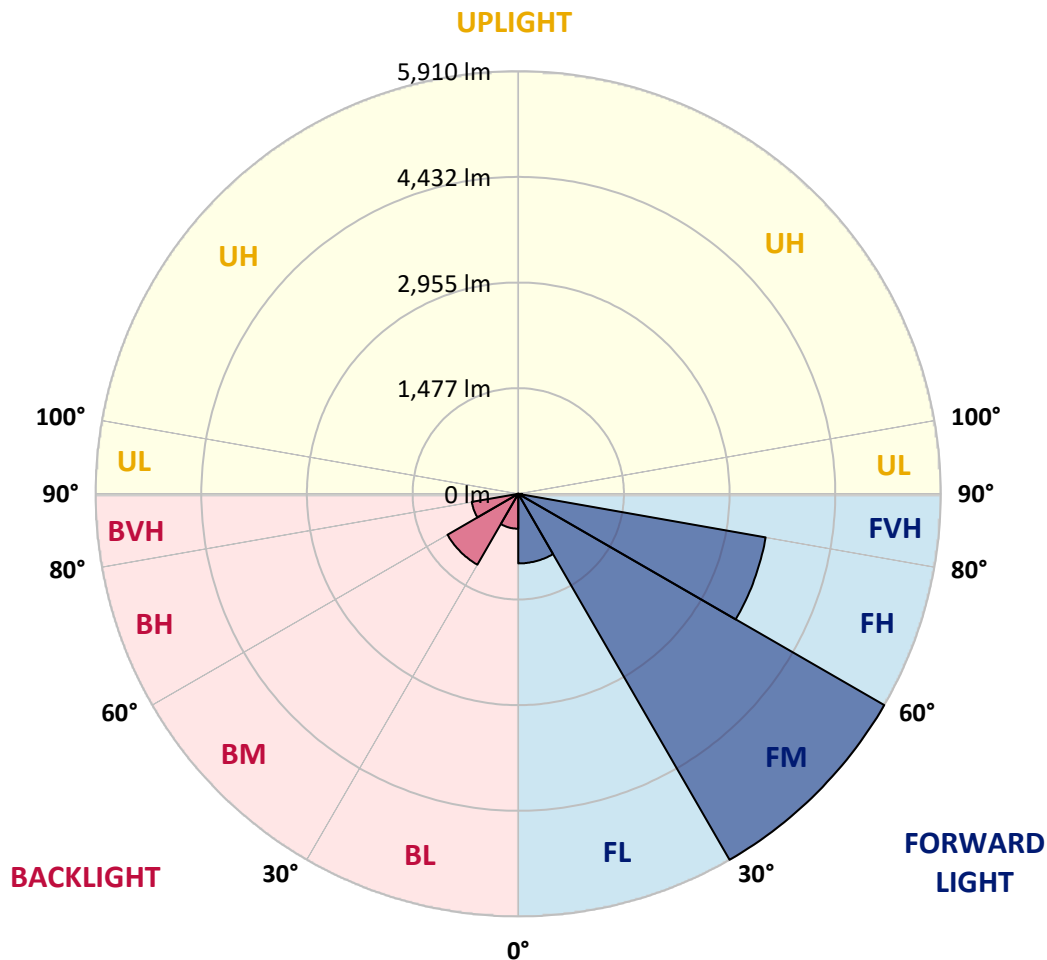


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	973.4	7.6			
FM (30°-60°)	5909.9	46.3			
FH (60°-80°)	3513.0	27.5			G2/5000
FVH (80°-90°)	52.3	0.4			G1/100
BL (0°-30°)	488.2	3.8	B1/500		
BM (30°-60°)	1143.9	9.0	B2/2500		
BH (60°-80°)	659.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	19.6	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°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2234.2	2247.1	2239.8	2236.1	2229.7	2220.5	2213.1	2190.2	2166.3	2150.6
5°	2279.3	2292.1	2291.2	2294.9	2299.5	2302.2	2300.4	2274.7	2240.7	2214.0
7.5°	2240.7	2255.4	2267.3	2285.7	2317.8	2351.8	2368.4	2362.9	2328.0	2291.2
10°	2131.4	2147.0	2175.5	2218.6	2286.6	2360.1	2421.7	2450.1	2428.1	2387.7
12.5°	1931.1	1946.7	2002.7	2096.4	2210.4	2338.1	2455.7	2531.9	2537.4	2497.0
15°	1706.0	1721.6	1781.3	1898.9	2072.6	2277.4	2474.0	2618.3	2667.0	2632.0
17.5°	1566.4	1580.1	1625.2	1719.8	1900.8	2156.2	2467.6	2710.1	2821.3	2793.7
20°	1524.1	1536.0	1557.2	1623.3	1774.0	2030.3	2425.3	2796.5	2987.6	2972.0
22.5°	1569.1	1580.1	1586.6	1616.0	1710.6	1947.6	2372.1	2884.7	3180.5	3182.3
25°	1672.9	1684.0	1676.6	1695.0	1736.3	1921.9	2351.8	2988.5	3423.0	3443.2
27.5°	1843.8	1844.7	1827.3	1826.4	1832.8	1960.5	2373.0	3099.7	3729.0	3766.6
30°	2186.5	2172.7	2105.6	2033.1	2000.0	2076.2	2431.8	3231.0	4090.0	4157.1
32.5°	2714.7	2694.5	2571.4	2397.8	2223.2	2262.7	2537.4	3380.8	4483.2	4604.5
35°	3288.0	3282.5	3153.9	2895.7	2590.7	2528.2	2709.2	3577.4	4912.2	5105.1
37.5°	3820.8	3818.1	3744.6	3440.5	3069.3	2898.5	2984.8	3834.6	5371.6	5650.8
40°	4307.7	4316.0	4242.5	3970.6	3596.7	3373.4	3359.6	4152.5	5882.4	6245.2
42.5°	4728.5	4737.7	4663.3	4462.1	4117.6	3898.9	3819.9	4542.0	6381.2	6883.7
45°	5014.2	5071.2	5060.1	4899.4	4652.2	4425.3	4373.0	5030.7	6949.9	7560.8
47.5°	5095.0	5147.4	5230.1	5252.1	5101.5	4878.2	4940.7	5619.6	7525.0	8238.8
50°	4895.7	4944.4	5116.2	5344.9	5449.7	5380.8	5492.8	6250.8	8113.8	8914.9
52.5°	4502.5	4552.1	4768.9	5130.9	5558.1	5774.9	6046.8	6872.7	8684.4	9555.3
55°	3933.8	3986.2	4264.5	4674.3	5351.4	5937.5	6508.9	7493.7	9207.1	10131.3
57.5°	3160.3	3198.9	3488.3	4061.5	4831.4	5775.8	6849.7	8171.7	9699.5	10697.2
60°	2059.7	2093.7	2429.9	3069.3	3969.6	5235.6	6917.7	8927.8	10353.6	11433.1
62.5°	1369.8	1392.7	1592.1	2061.5	2795.6	4198.4	6519.9	9531.4	11312.7	12713.7
65°	939.8	962.8	1162.1	1489.2	1806.1	2777.2	5376.2	9451.5	12181.8	13730.7
67.5°	670.6	689.9	859.0	1167.7	1307.3	1613.2	3644.4	8429.9	12056.9	13769.3
70°	480.5	491.5	631.1	909.5	1039.0	969.2	2026.6	6447.3	10556.6	12714.6
72.5°	336.2	339.9	438.2	692.7	836.9	707.4	964.6	4298.5	7984.3	9979.7
75°	227.8	232.4	294.9	508.0	671.6	540.2	510.8	2305.0	4687.1	5524.1
77.5°	139.6	141.5	190.2	347.3	502.5	411.6	328.9	976.6	1813.5	1780.4
80°	79.0	79.0	121.3	215.9	342.7	265.5	230.6	415.2	574.2	504.4
82.5°	44.1	45.0	88.2	134.1	226.9	157.1	126.8	192.0	248.0	219.6
85°	18.4	20.2	54.2	63.4	108.4	78.1	51.4	80.8	91.9	81.8
87.5°	1.8	2.8	16.5	11.9	12.9	15.6	7.3	15.6	12.9	12.9
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°
2113.9	0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2145.1	2.5°	2127.7	2113.9	2079.0	2038.6	1985.3	1959.6	1924.7	1900.8	1880.6	1882.4
2198.4	5°	2169.0	2134.1	2056.0	1958.6	1837.4	1751.0	1659.1	1595.8	1544.3	1533.3
2271.9	7.5°	2226.0	2170.9	2034.0	1858.5	1653.6	1498.4	1359.7	1270.5	1207.2	1186.9
2361.0	10°	2299.5	2219.5	2005.5	1732.6	1437.7	1240.2	1091.4	1021.6	978.4	963.7
2465.8	12.5°	2384.9	2275.6	1967.8	1579.2	1215.4	1025.3	930.6	895.7	881.9	877.3
2594.4	15°	2492.4	2345.4	1910.9	1397.3	1027.1	893.9	853.5	848.9	850.7	848.9
2748.7	17.5°	2620.1	2421.7	1818.1	1209.9	900.3	826.8	812.1	815.8	820.4	819.5
2921.4	20°	2759.7	2497.0	1699.6	1043.6	814.0	779.0	770.8	774.5	778.1	776.3
3120.8	22.5°	2918.7	2577.8	1568.2	914.1	756.1	735.0	725.8	726.7	726.7	723.0
3373.4	25°	3108.8	2667.0	1430.4	822.2	712.0	695.4	684.4	680.7	675.2	664.2
3680.3	27.5°	3335.8	2761.6	1298.1	757.9	677.1	661.5	648.6	639.4	625.6	607.3
4048.7	30°	3591.1	2876.4	1186.0	717.5	649.5	633.9	619.2	605.4	585.2	562.2
4472.2	32.5°	3891.6	2999.5	1104.3	690.9	624.7	608.2	590.7	574.2	552.1	529.2
4948.1	35°	4249.8	3148.3	1056.5	672.5	605.4	583.4	564.1	545.7	529.2	509.0
5465.3	37.5°	4638.5	3306.4	1041.8	663.3	592.6	558.6	536.5	523.7	521.8	509.9
6024.8	40°	5063.8	3493.8	1052.8	657.8	578.8	534.7	510.8	508.0	512.6	491.5
6622.8	42.5°	5514.0	3716.1	1071.2	651.3	559.5	510.8	487.8	487.8	484.1	454.8
7254.9	45°	6000.9	3972.4	1089.6	635.7	536.5	486.9	469.4	463.0	447.4	418.9
7890.6	47.5°	6491.4	4233.3	1103.3	607.3	509.0	466.7	451.1	436.4	413.4	387.7
8514.4	50°	6957.2	4467.6	1088.6	565.0	477.7	447.4	430.9	410.7	385.8	368.4
9105.1	52.5°	7373.4	4670.6	1026.2	515.4	444.6	427.2	412.5	391.4	371.1	352.8
9638.0	55°	7735.3	4835.1	915.9	468.5	415.2	409.7	395.0	368.4	340.8	325.2
10166.2	57.5°	8082.6	4960.0	778.1	429.9	388.6	390.4	368.4	344.5	318.8	302.2
10878.2	60°	8544.7	5127.2	638.5	394.1	360.1	365.6	341.8	324.3	292.1	271.0
12099.1	62.5°	9283.3	5387.2	507.1	350.0	327.1	328.9	318.8	297.7	259.1	234.3
13004.0	65°	9869.5	5291.6	399.6	302.2	289.4	292.1	292.1	269.2	227.8	199.4
13052.7	67.5°	9803.3	4531.0	318.8	255.4	253.6	255.4	261.8	242.5	202.1	179.1
12058.7	70°	9030.7	3604.0	255.4	212.2	220.5	215.9	234.3	221.4	181.9	158.9
9348.6	72.5°	7368.8	2596.2	194.8	175.5	169.0	176.4	211.3	199.4	151.6	125.9
4951.7	75°	4305.9	1385.4	145.2	138.7	122.2	147.0	187.4	170.0	115.8	92.8
1517.7	77.5°	1401.9	483.2	106.6	102.0	91.0	118.5	159.9	143.3	94.6	73.5
444.6	80°	375.7	146.1	72.6	67.1	58.8	88.2	126.8	113.9	68.0	47.8
191.1	82.5°	150.7	61.6	42.3	37.7	32.2	60.6	100.1	91.9	50.5	30.3
59.7	85°	48.7	20.2	15.6	11.9	14.7	37.7	59.7	62.5	35.8	15.6
9.2	87.5°	6.4	2.8	2.8	3.7	2.8	6.4	18.4	17.5	10.1	1.8
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°
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2113.9
1864.0
1508.5
1166.7
952.7
874.6
847.9
817.6
775.4
721.2
662.4
605.4
560.4
530.1
507.1
509.0
492.4
454.8
418.0
386.8
365.6
350.9
323.4
300.4
268.3
232.4
196.6
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123.1
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