

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: P846475

Luminaire Tested: **GLAN-SB2A-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846475
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-SB2A-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 350mA 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: 5826 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

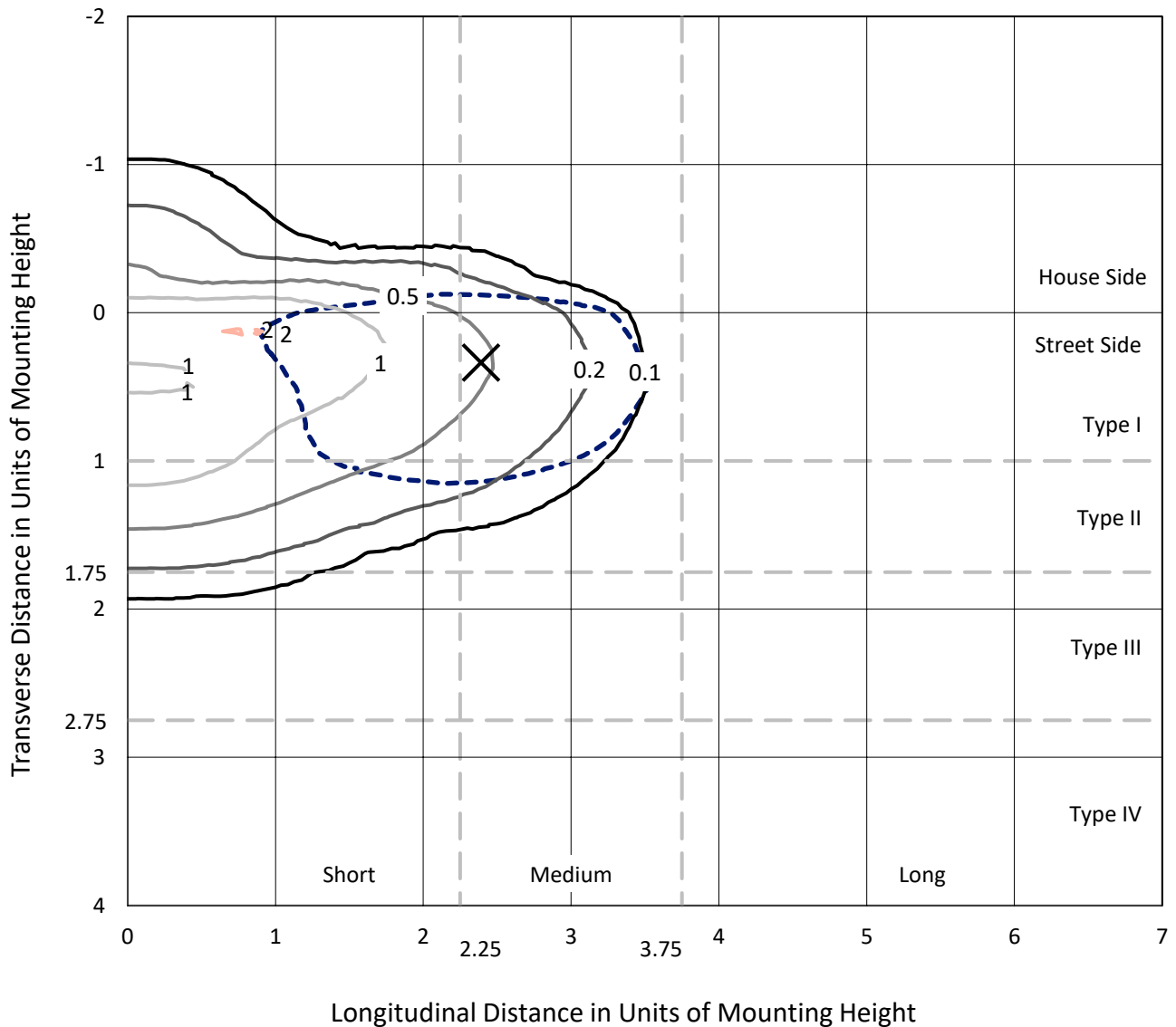
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

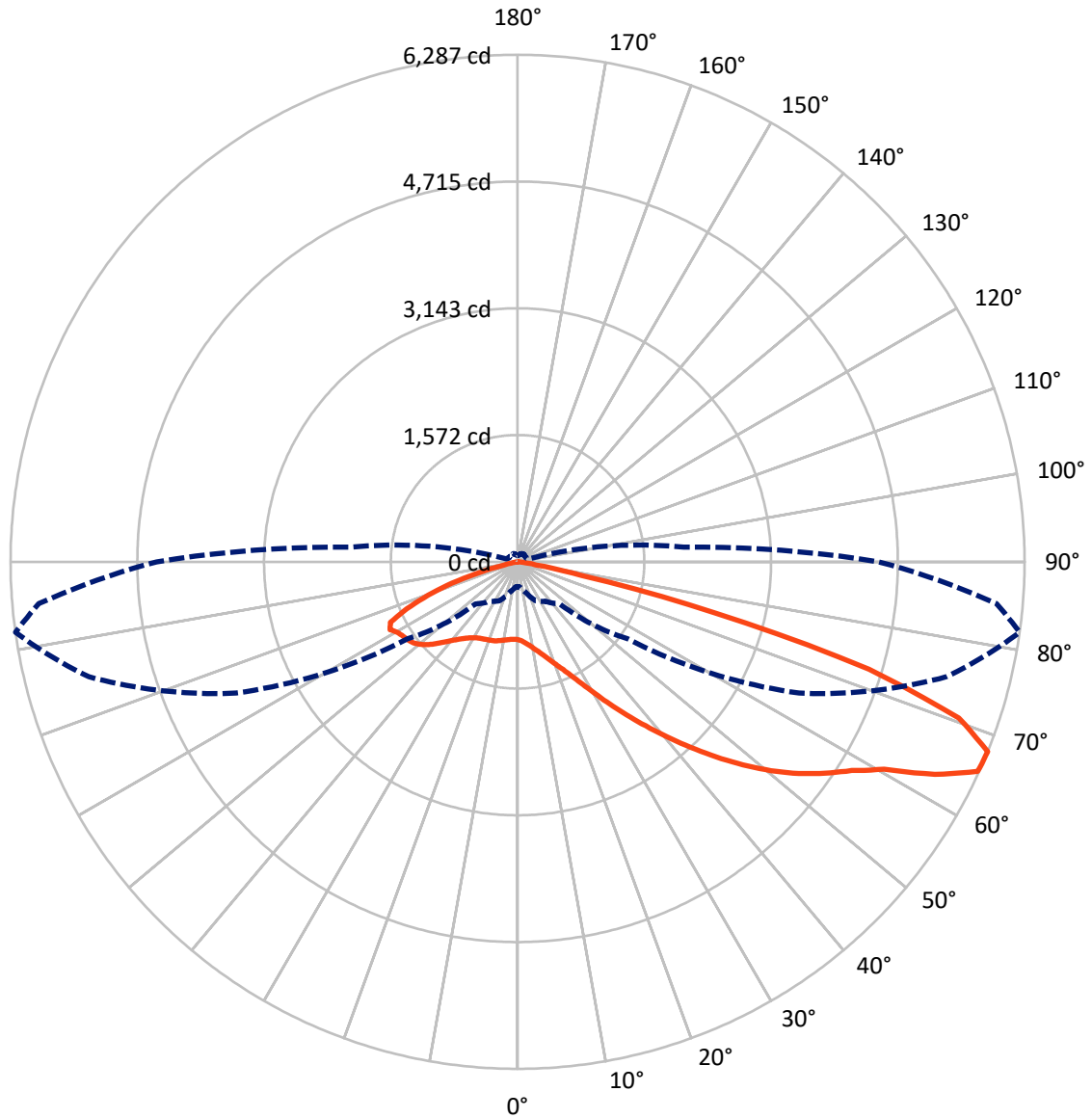
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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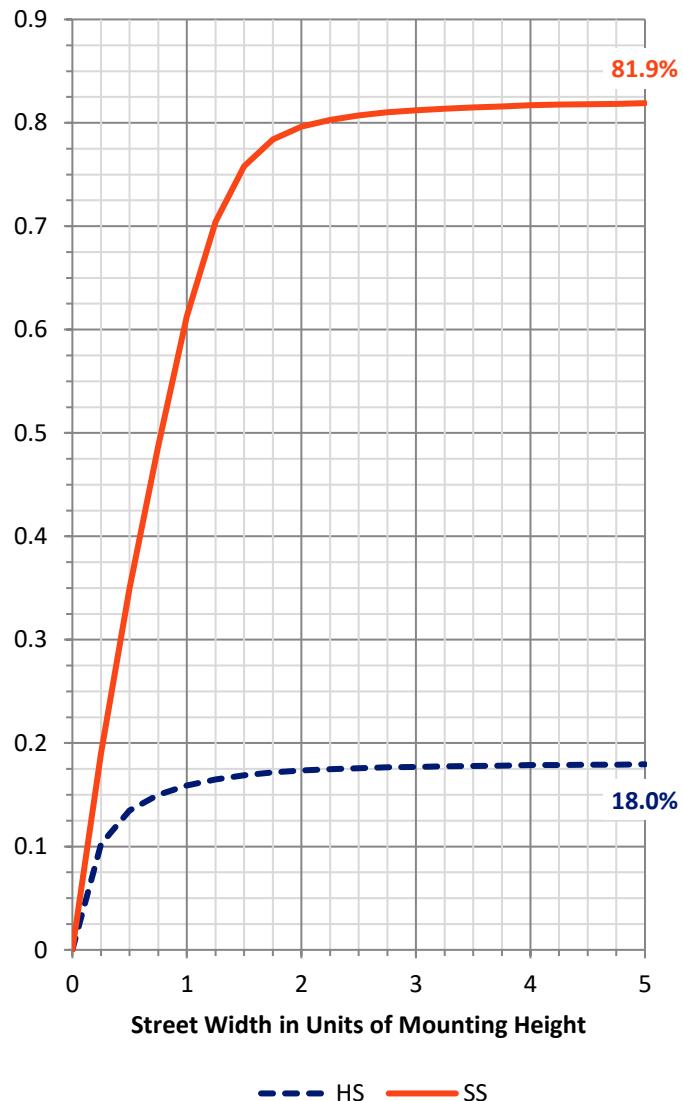
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1055.3	0.0	1055.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4770.7	0.0	4770.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	5826.0	0.0	5826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.5
10°-20°	223.5	3.8
20°-30°	357.9	6.1
30°-40°	632.9	10.9
40°-50°	1108.9	19.0
50°-60°	1478.9	25.4
60°-70°	1376.8	23.6
70°-80°	528.4	9.1
80°-90°	32.8	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°	5826.0	100.0
0°-180°	5826.0	100.0

Coefficient of Utilization

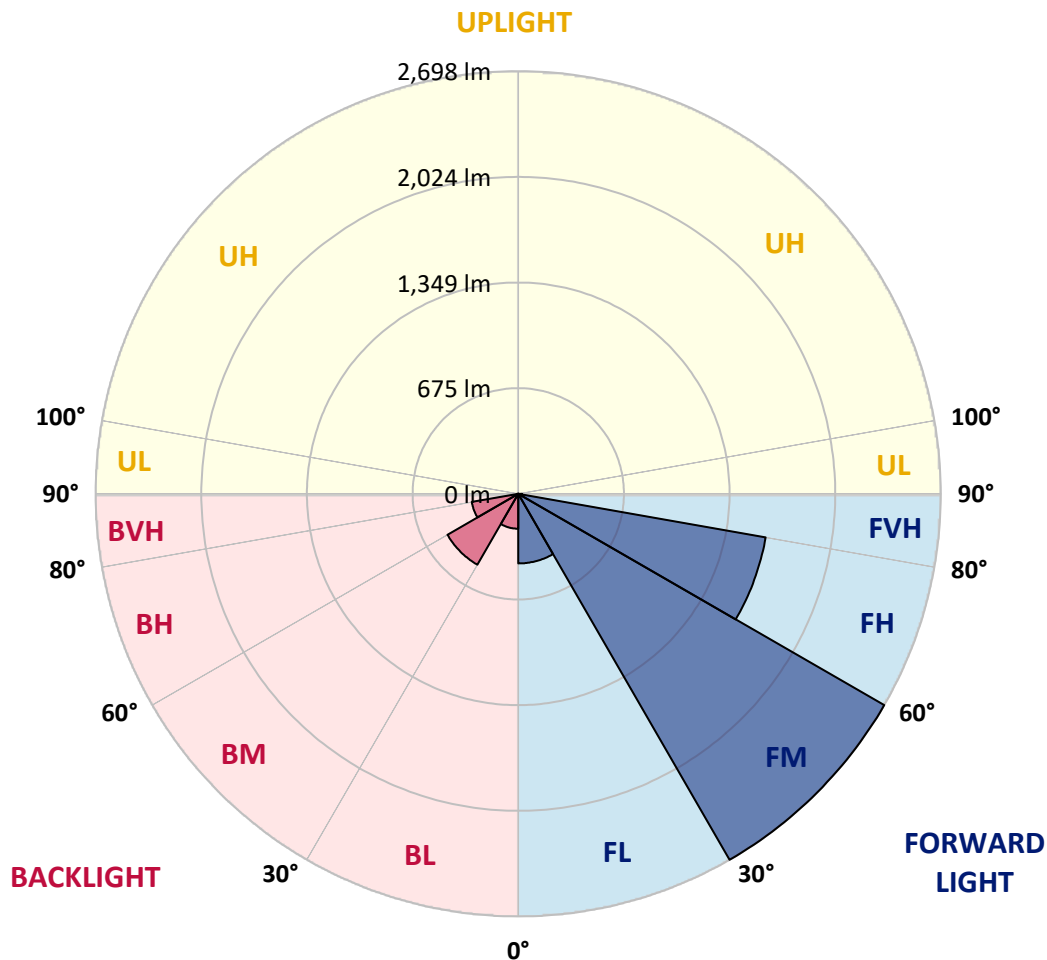


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.5	7.6			
FM (30°-60°)	2698.4	46.3			
FH (60°-80°)	1604.0	27.5			G1/1800
FVH (80°-90°)	23.9	0.4			G1/100
BL (0°-30°)	222.9	3.8	B1/500		
BM (30°-60°)	522.3	9.0	B1/1000		
BH (60°-80°)	301.2	5.2	B1/500		G1/500
BVH (80°-90°)	9.0	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2
2.5°	1020.1	1026.0	1022.6	1021.0	1018.0	1013.8	1010.5	1000.0	989.1	981.9
5°	1040.7	1046.5	1046.1	1047.8	1049.9	1051.2	1050.3	1038.6	1023.1	1010.9
7.5°	1023.1	1029.8	1035.2	1043.6	1058.3	1073.8	1081.4	1078.8	1062.9	1046.1
10°	973.1	980.3	993.3	1013.0	1044.0	1077.6	1105.7	1118.7	1108.6	1090.2
12.5°	881.7	888.8	914.4	957.2	1009.2	1067.5	1121.2	1156.0	1158.5	1140.1
15°	778.9	786.1	813.3	867.0	946.3	1039.8	1129.6	1195.5	1217.7	1201.7
17.5°	715.2	721.5	742.0	785.2	867.9	984.5	1126.7	1237.4	1288.2	1275.6
20°	695.9	701.3	711.0	741.2	810.0	927.0	1107.4	1276.8	1364.1	1356.9
22.5°	716.4	721.5	724.4	737.8	781.0	889.2	1083.0	1317.1	1452.2	1453.0
25°	763.8	768.9	765.5	773.9	792.8	877.5	1073.8	1364.5	1562.9	1572.1
27.5°	841.9	842.3	834.3	833.9	836.8	895.1	1083.5	1415.2	1702.6	1719.8
30°	998.3	992.0	961.4	928.3	913.2	948.0	1110.3	1475.2	1867.4	1898.0
32.5°	1239.5	1230.3	1174.1	1094.8	1015.1	1033.1	1158.5	1543.6	2047.0	2102.3
35°	1501.2	1498.7	1440.0	1322.1	1182.9	1154.3	1237.0	1633.4	2242.8	2330.9
37.5°	1744.5	1743.3	1709.7	1570.9	1401.4	1323.4	1362.8	1750.8	2452.6	2580.1
40°	1966.8	1970.6	1937.1	1812.9	1642.2	1540.2	1534.0	1895.9	2685.8	2851.5
42.5°	2158.9	2163.1	2129.2	2037.3	1880.0	1780.2	1744.1	2073.8	2913.5	3143.0
45°	2289.4	2315.4	2310.4	2237.0	2124.1	2020.5	1996.6	2296.9	3173.2	3452.1
47.5°	2326.3	2350.2	2388.0	2398.0	2329.2	2227.3	2255.8	2565.8	3435.8	3761.7
50°	2235.3	2257.5	2336.0	2440.4	2488.2	2456.8	2507.9	2854.0	3704.6	4070.4
52.5°	2055.8	2078.4	2177.4	2342.7	2537.7	2636.7	2760.9	3138.0	3965.1	4362.8
55°	1796.1	1820.0	1947.1	2134.2	2443.3	2711.0	2971.9	3421.5	4203.8	4625.8
57.5°	1442.9	1460.6	1592.7	1854.4	2205.9	2637.1	3127.5	3731.1	4428.6	4884.2
60°	940.4	955.9	1109.5	1401.4	1812.5	2390.5	3158.5	4076.3	4727.3	5220.1
62.5°	625.4	635.9	726.9	941.3	1276.4	1916.9	2976.9	4351.9	5165.2	5804.9
65°	429.1	439.6	530.6	679.9	824.7	1268.0	2454.7	4315.4	5562.0	6269.2
67.5°	306.2	315.0	392.2	533.1	596.9	736.6	1664.0	3848.9	5505.0	6286.8
70°	219.4	224.4	288.2	415.3	474.4	442.5	925.3	2943.8	4820.0	5805.3
72.5°	153.5	155.2	200.1	316.3	382.1	323.0	440.4	1962.6	3645.5	4556.6
75°	104.0	106.1	134.6	232.0	306.6	246.6	233.2	1052.4	2140.1	2522.2
77.5°	63.8	64.6	86.8	158.6	229.4	187.9	150.2	445.9	828.0	812.9
80°	36.1	36.1	55.4	98.6	156.5	121.2	105.3	189.6	262.2	230.3
82.5°	20.1	20.6	40.3	61.2	103.6	71.7	57.9	87.7	113.3	100.3
85°	8.4	9.2	24.7	28.9	49.5	35.7	23.5	36.9	41.9	37.3
87.5°	0.8	1.3	7.6	5.5	5.9	7.1	3.4	7.1	5.9	5.9
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°
965.2	0°	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2
979.4	2.5°	971.5	965.2	949.2	930.8	906.4	894.7	878.8	867.9	858.6	859.5
1003.8	5°	990.3	974.4	938.7	894.3	838.9	799.5	757.5	728.6	705.1	700.1
1037.3	7.5°	1016.3	991.2	928.7	848.6	755.0	684.1	620.8	580.1	551.2	541.9
1078.0	10°	1049.9	1013.4	915.7	791.1	656.5	566.3	498.3	466.4	446.7	440.0
1125.8	12.5°	1088.9	1039.0	898.5	721.0	554.9	468.1	424.9	409.0	402.7	400.6
1184.5	15°	1138.0	1070.9	872.5	638.0	469.0	408.1	389.7	387.6	388.4	387.6
1255.0	17.5°	1196.3	1105.7	830.1	552.4	411.1	377.5	370.8	372.5	374.6	374.2
1333.9	20°	1260.0	1140.1	776.0	476.5	371.6	355.7	351.9	353.6	355.3	354.4
1424.9	22.5°	1332.6	1177.0	716.0	417.4	345.2	335.6	331.4	331.8	331.8	330.1
1540.2	25°	1419.4	1217.7	653.1	375.4	325.1	317.5	312.5	310.8	308.3	303.3
1680.3	27.5°	1523.0	1260.9	592.7	346.1	309.1	302.0	296.1	291.9	285.7	277.3
1848.5	30°	1639.7	1313.3	541.5	327.6	296.6	289.4	282.7	276.4	267.2	256.7
2041.9	32.5°	1776.8	1369.5	504.2	315.4	285.2	277.7	269.7	262.2	252.1	241.6
2259.2	35°	1940.4	1437.5	482.4	307.0	276.4	266.4	257.5	249.2	241.6	232.4
2495.4	37.5°	2117.8	1509.6	475.7	302.8	270.5	255.0	245.0	239.1	238.3	232.8
2750.8	40°	2312.0	1595.2	480.7	300.3	264.3	244.1	233.2	232.0	234.1	224.4
3023.9	42.5°	2517.6	1696.7	489.1	297.4	255.4	233.2	222.7	222.7	221.1	207.6
3312.5	45°	2739.9	1813.7	497.5	290.3	245.0	222.3	214.3	211.4	204.3	191.3
3602.7	47.5°	2963.9	1932.9	503.8	277.3	232.4	213.1	206.0	199.2	188.8	177.0
3887.5	50°	3176.5	2039.8	497.1	258.0	218.1	204.3	196.7	187.5	176.2	168.2
4157.2	52.5°	3366.6	2132.5	468.5	235.3	203.0	195.0	188.3	178.7	169.5	161.1
4400.5	55°	3531.8	2207.6	418.2	213.9	189.6	187.1	180.4	168.2	155.6	148.5
4641.7	57.5°	3690.4	2264.6	355.3	196.3	177.4	178.3	168.2	157.3	145.6	138.0
4966.8	60°	3901.4	2341.0	291.5	179.9	164.4	166.9	156.0	148.1	133.4	123.7
5524.3	62.5°	4238.6	2459.7	231.5	159.8	149.3	150.2	145.6	135.9	118.3	107.0
5937.4	65°	4506.2	2416.1	182.5	138.0	132.1	133.4	133.4	122.9	104.0	91.0
5959.6	67.5°	4476.0	2068.8	145.6	116.6	115.8	116.6	119.5	110.7	92.3	81.8
5505.8	70°	4123.3	1645.5	116.6	96.9	100.7	98.6	107.0	101.1	83.1	72.6
4268.4	72.5°	3364.5	1185.4	88.9	80.1	77.2	80.5	96.5	91.0	69.2	57.5
2260.9	75°	1966.0	632.5	66.3	63.3	55.8	67.1	85.6	77.6	52.9	42.4
692.9	77.5°	640.1	220.6	48.7	46.6	41.5	54.1	73.0	65.4	43.2	33.6
203.0	80°	171.6	66.7	33.1	30.6	26.8	40.3	57.9	52.0	31.0	21.8
87.2	82.5°	68.8	28.1	19.3	17.2	14.7	27.7	45.7	41.9	23.1	13.8
27.3	85°	22.2	9.2	7.1	5.5	6.7	17.2	27.3	28.5	16.4	7.1
4.2	87.5°	2.9	1.3	1.3	1.7	1.3	2.9	8.4	8.0	4.6	0.8
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°
965.2
851.1
688.7
532.7
435.0
399.3
387.2
373.3
354.0
329.3
302.4
276.4
255.9
242.0
231.5
232.4
224.8
207.6
190.9
176.6
166.9
160.2
147.6
137.2
122.5
106.1
89.8
80.1
71.3
56.2
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