

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: P849535

Luminaire Tested: **GLAN-SB6C-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849535
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-SB6C-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 615mA 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: 29492 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

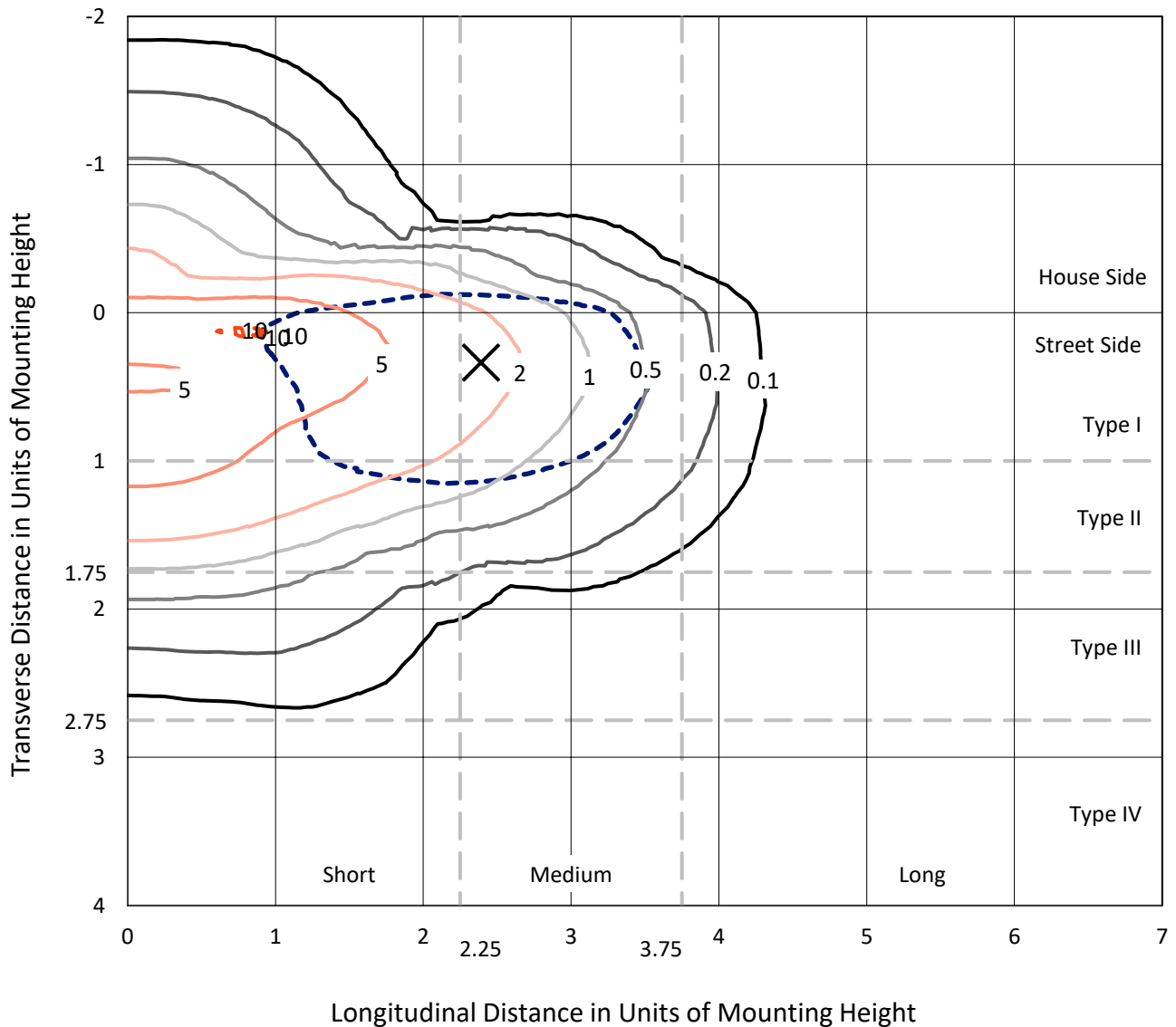
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

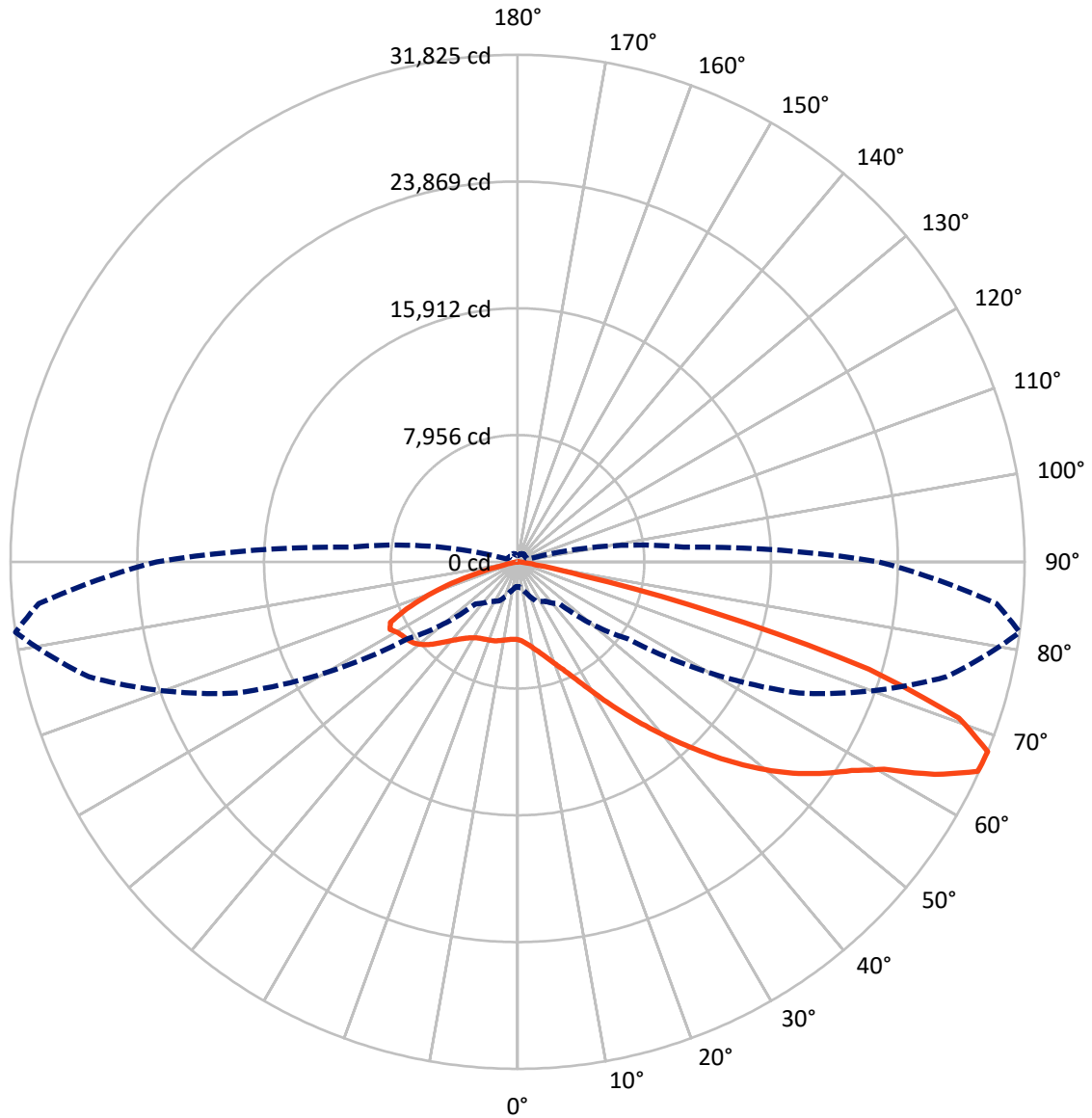
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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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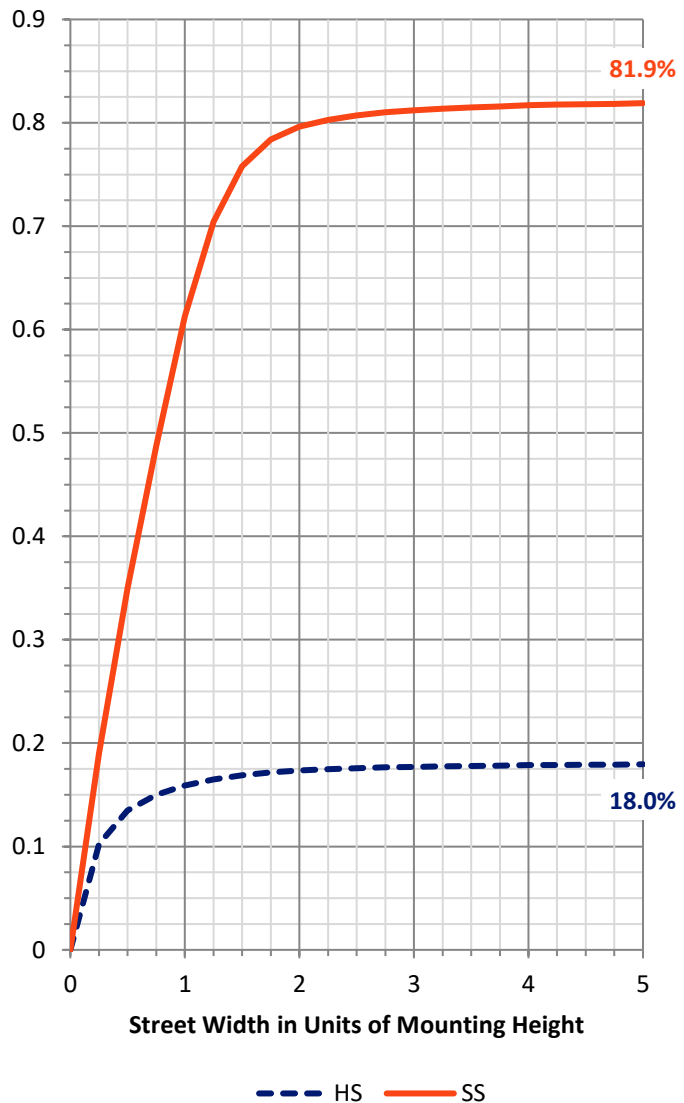
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5342.2	0.0	5342.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24149.8	0.0	24149.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	29492.0	0.0	29492.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.3	1.5
10°-20°	1131.1	3.8
20°-30°	1811.7	6.1
30°-40°	3203.7	10.9
40°-50°	5613.2	19.0
50°-60°	7486.4	25.4
60°-70°	6969.5	23.6
70°-80°	2674.9	9.1
80°-90°	166.1	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°	29492.0	100.0
0°-180°	29492.0	100.0

Coefficient of Utilization

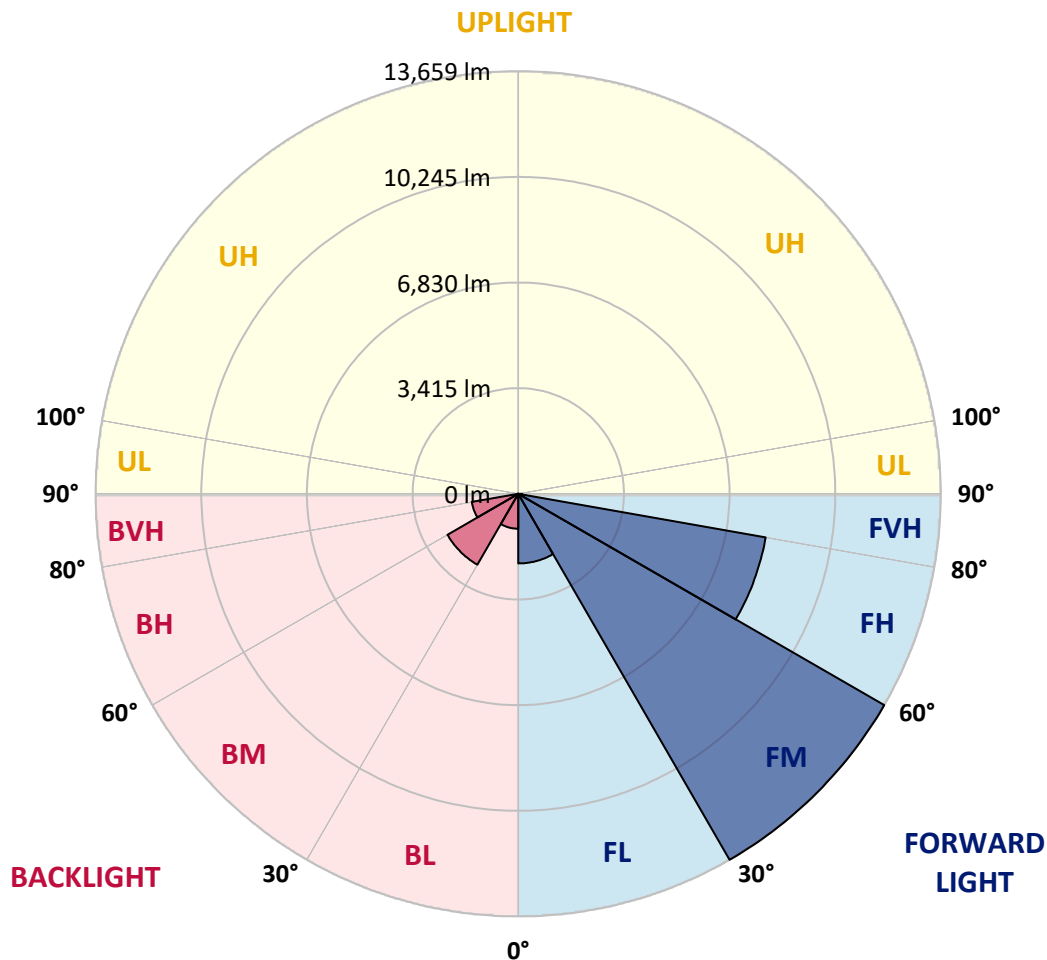


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2249.9	7.6			
FM (30°-60°)	13659.5	46.3			
FH (60°-80°)	8119.6	27.5			G4/12000
FVH (80°-90°)	120.8	0.4			G2/225
BL (0°-30°)	1128.3	3.8	B3/2500		
BM (30°-60°)	2643.8	9.0	B3/5000		
BH (60°-80°)	1524.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8
2.5°	5164.0	5193.7	5176.7	5168.2	5153.4	5132.1	5115.1	5062.1	5006.9	4970.8
5°	5268.0	5297.8	5295.6	5304.1	5314.7	5321.1	5316.9	5257.4	5178.8	5117.3
7.5°	5178.8	5212.8	5240.4	5282.9	5357.2	5435.8	5474.0	5461.3	5380.6	5295.6
10°	4926.2	4962.3	5028.1	5127.9	5285.0	5454.9	5597.1	5663.0	5612.0	5518.6
12.5°	4463.3	4499.4	4628.9	4845.5	5108.8	5403.9	5675.7	5852.0	5864.7	5771.3
15°	3943.1	3979.2	4117.2	4389.0	4790.3	5263.8	5718.2	6051.5	6164.1	6083.4
17.5°	3620.3	3652.2	3756.2	3974.9	4393.2	4983.5	5703.3	6263.9	6520.8	6457.1
20°	3522.6	3550.2	3599.1	3752.0	4100.2	4692.6	5605.6	6463.5	6905.1	6869.0
22.5°	3626.7	3652.2	3667.0	3735.0	3953.7	4501.5	5482.5	6667.3	7351.0	7355.3
25°	3866.6	3892.1	3875.1	3917.6	4013.1	4442.0	5435.8	6907.3	7911.6	7958.3
27.5°	4261.6	4263.7	4223.3	4221.2	4236.1	4531.2	5484.6	7164.2	8618.7	8705.7
30°	5053.6	5021.7	4866.7	4699.0	4622.5	4798.8	5620.5	7467.8	9453.2	9608.2
32.5°	6274.5	6227.8	5943.3	5541.9	5138.5	5229.8	5864.7	7813.9	10361.9	10642.2
35°	7599.5	7586.7	7289.5	6692.8	5987.8	5843.5	6261.8	8268.3	11353.5	11799.5
37.5°	8831.0	8824.6	8654.8	7951.9	7094.1	6699.2	6898.8	8862.9	12415.2	13060.7
40°	9956.4	9975.5	9805.6	9177.1	8312.9	7796.9	7765.1	9597.5	13595.8	14434.5
42.5°	10928.9	10950.1	10778.1	10313.1	9516.9	9011.5	8828.9	10497.8	14748.8	15910.3
45°	11589.2	11720.9	11695.4	11323.8	10752.6	10228.2	10107.1	11627.5	16063.1	17475.2
47.5°	11776.1	11897.1	12088.2	12139.2	11791.0	11275.0	11419.4	12988.5	17392.4	19042.2
50°	11315.3	11427.9	11824.9	12353.6	12595.7	12436.5	12695.5	14447.3	18753.4	20605.0
52.5°	10406.5	10521.2	11022.3	11858.9	12846.3	13347.4	13975.9	15884.8	20072.0	22085.0
55°	9092.2	9213.2	9856.6	10803.6	12368.5	13723.2	15043.9	17320.2	21280.2	23416.3
57.5°	7304.3	7393.5	8062.4	9387.3	11166.7	13349.5	15831.7	18887.2	22418.3	24724.3
60°	4760.5	4839.1	5616.3	7094.1	9175.0	12101.0	15988.8	20634.7	23930.1	26425.1
62.5°	3165.9	3219.0	3679.8	4764.8	6461.4	9703.7	15069.4	22029.7	26146.9	29385.0
65°	2172.2	2225.3	2686.0	3441.9	4174.5	6418.9	12425.8	21845.0	28155.6	31735.6
67.5°	1550.0	1594.6	1985.3	2698.8	3021.5	3728.6	8423.3	19483.9	27866.8	31824.8
70°	1110.5	1136.0	1458.7	2102.1	2401.5	2240.1	4684.1	14901.7	24399.4	29387.2
72.5°	777.1	785.6	1012.8	1601.0	1934.4	1635.0	2229.5	9935.2	18454.0	23065.9
75°	526.6	537.2	681.6	1174.2	1552.2	1248.5	1180.6	5327.5	10833.3	12767.7
77.5°	322.7	327.0	439.5	802.6	1161.5	951.3	760.2	2257.1	4191.5	4115.1
80°	182.6	182.6	280.3	499.0	792.0	613.6	533.0	959.8	1327.1	1165.7
82.5°	101.9	104.0	203.8	310.0	524.5	363.1	293.0	443.8	573.3	507.5
85°	42.5	46.7	125.3	146.5	250.6	180.5	118.9	186.9	212.3	189.0
87.5°	4.2	6.4	38.2	27.6	29.7	36.1	17.0	36.1	29.7	29.7
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°
4885.8	0°	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8	4885.8
4958.0	2.5°	4917.7	4885.8	4805.1	4711.7	4588.6	4529.1	4448.4	4393.2	4346.5	4350.7
5081.2	5°	5013.2	4932.5	4752.1	4527.0	4246.7	4047.1	3834.8	3688.3	3569.3	3543.9
5251.0	7.5°	5144.9	5017.5	4701.1	4295.5	3822.0	3463.2	3142.6	2936.6	2790.1	2743.4
5457.0	10°	5314.7	5130.0	4635.3	4004.6	3323.0	2866.5	2522.5	2361.2	2261.4	2227.4
5699.1	12.5°	5512.2	5259.5	4548.2	3650.0	2809.2	2369.7	2151.0	2070.3	2038.4	2027.8
5996.3	15°	5760.6	5420.9	4416.6	3229.6	2373.9	2066.0	1972.6	1962.0	1966.2	1962.0
6353.1	17.5°	6055.8	5597.1	4202.1	2796.5	2080.9	1911.0	1877.0	1885.5	1896.2	1894.0
6752.3	20°	6378.5	5771.3	3928.2	2412.1	1881.3	1800.6	1781.5	1790.0	1798.5	1794.2
7213.0	22.5°	6745.9	5958.1	3624.6	2112.7	1747.5	1698.7	1677.4	1679.6	1679.6	1671.1
7796.9	25°	7185.4	6164.1	3306.1	1900.4	1645.6	1607.4	1581.9	1573.4	1560.7	1535.2
8506.1	27.5°	7709.9	6382.8	3000.3	1751.8	1564.9	1528.8	1499.1	1477.9	1446.0	1403.5
9357.6	30°	8300.2	6648.2	2741.2	1658.3	1501.2	1465.1	1431.1	1399.3	1352.6	1299.5
10336.5	32.5°	8994.5	6932.7	2552.3	1596.8	1443.9	1405.7	1365.3	1327.1	1276.1	1223.0
11436.4	35°	9822.6	7276.7	2441.9	1554.3	1399.3	1348.3	1303.7	1261.3	1223.0	1176.3
12631.8	37.5°	10720.8	7641.9	2407.9	1533.1	1369.6	1291.0	1240.0	1210.3	1206.1	1178.5
13924.9	40°	11703.9	8075.1	2433.4	1520.3	1337.7	1235.8	1180.6	1174.2	1184.8	1136.0
15307.2	42.5°	12744.3	8588.9	2475.8	1505.5	1293.1	1180.6	1127.5	1127.5	1119.0	1051.1
16768.1	45°	13869.7	9181.4	2518.3	1469.4	1240.0	1125.4	1085.0	1070.2	1034.1	968.2
18237.4	47.5°	15003.6	9784.4	2550.1	1403.5	1176.3	1078.7	1042.6	1008.6	955.5	896.1
19679.2	50°	16080.1	10325.8	2516.2	1305.9	1104.1	1034.1	995.9	949.1	891.8	851.5
21044.5	52.5°	17042.0	10795.1	2371.8	1191.2	1027.7	987.4	953.4	904.5	857.8	815.4
22276.1	55°	17878.6	11175.2	2117.0	1082.9	959.8	947.0	913.0	851.5	787.8	751.7
23497.0	57.5°	18681.2	11464.0	1798.5	993.7	898.2	902.4	851.5	796.3	736.8	698.6
25142.6	60°	19749.3	11850.4	1475.7	910.9	832.4	845.1	789.9	749.5	675.2	626.4
27964.5	62.5°	21456.4	12451.3	1172.1	809.0	755.9	760.2	736.8	688.0	598.8	541.5
30056.0	65°	22811.1	12230.5	923.7	698.6	668.9	675.2	675.2	622.1	526.6	460.8
30168.5	67.5°	22658.3	10472.4	736.8	590.3	586.0	590.3	605.2	560.6	467.1	414.1
27871.1	70°	20872.5	8329.9	590.3	490.5	509.6	499.0	541.5	511.7	420.4	367.3
21607.2	72.5°	17031.4	6000.6	450.2	405.6	390.7	407.7	488.4	460.8	350.4	290.9
11444.9	75°	9952.1	3202.0	335.5	320.6	282.4	339.7	433.2	392.8	267.5	214.5
3507.8	77.5°	3240.2	1116.9	246.3	235.7	210.2	273.9	369.5	331.2	218.7	169.9
1027.7	80°	868.4	337.6	167.7	155.0	135.9	203.8	293.0	263.3	157.1	110.4
441.7	82.5°	348.2	142.3	97.7	87.1	74.3	140.1	231.4	212.3	116.8	70.1
138.0	85°	112.5	46.7	36.1	27.6	34.0	87.1	138.0	144.4	82.8	36.1
21.2	87.5°	14.9	6.4	6.4	8.5	6.4	14.9	42.5	40.3	23.4	4.2
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

<u>180°</u>
4885.8
4308.3
3486.5
2696.7
2201.9
2021.4
1959.9
1889.8
1792.1
1666.8
1530.9
1399.3
1295.2
1225.2
1172.1
1176.3
1138.1
1051.1
966.1
893.9
845.1
811.1
747.4
694.3
620.0
537.2
454.4
405.6
361.0
284.5
208.1
163.5
108.3
70.1
27.6
0.0
0.0

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