

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: P849967

Luminaire Tested: **GLAN-SB7B-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30338 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

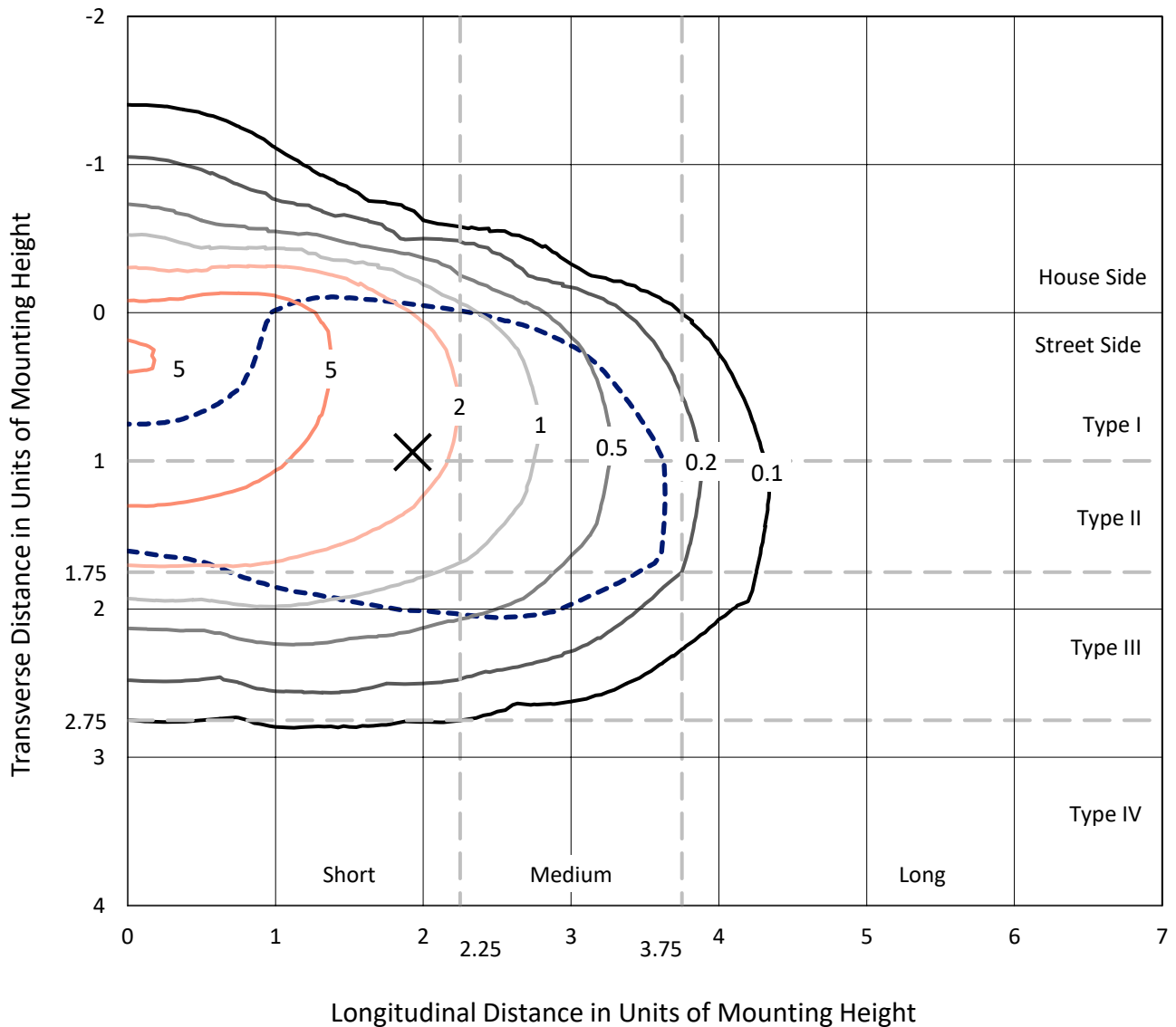
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

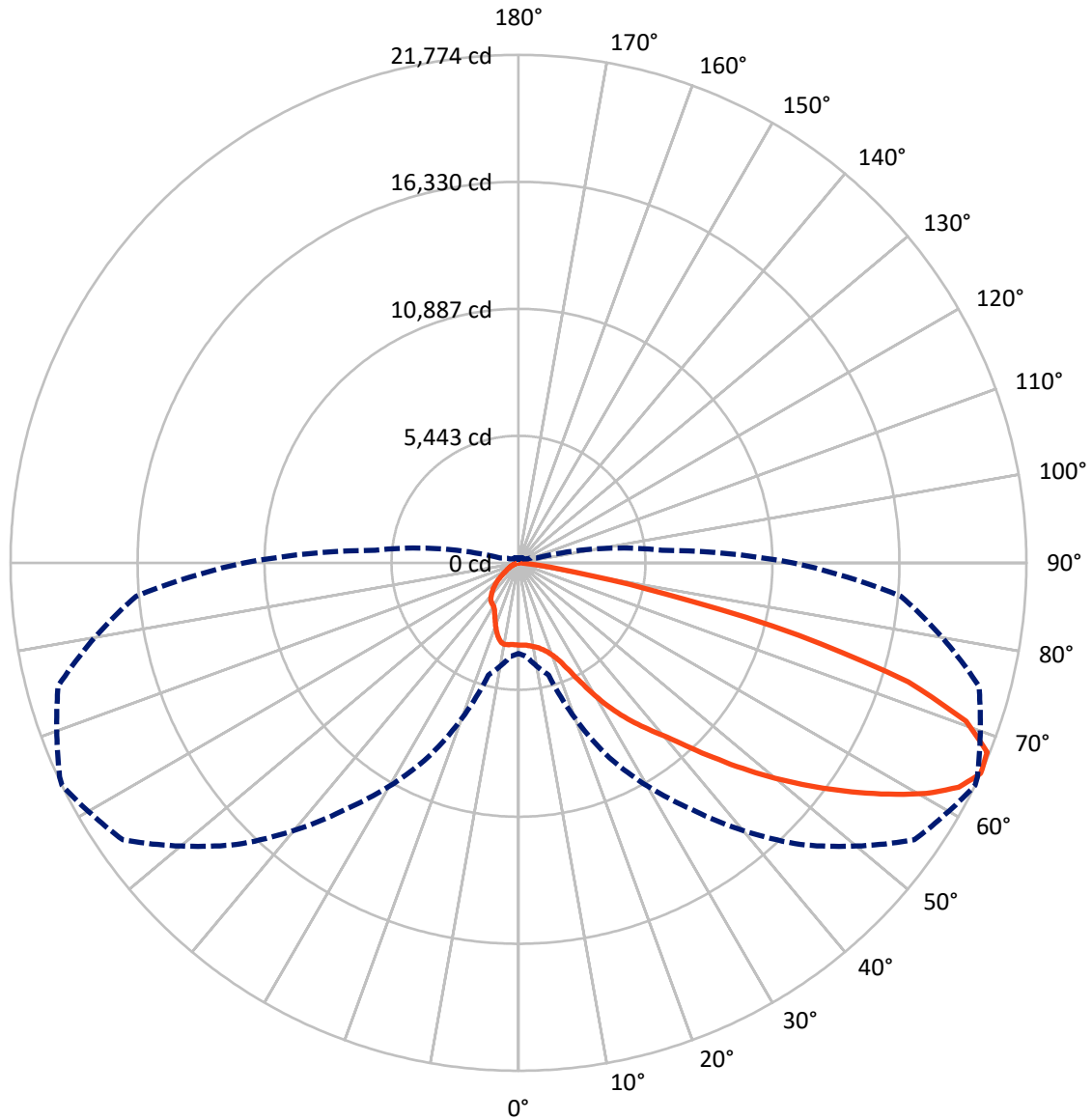
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4057.1	0.0	4057.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26280.9	0.0	26280.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	30338.0	0.0	30338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.6	1.1
10°-20°	883.0	2.9
20°-30°	1673.2	5.5
30°-40°	3385.7	11.2
40°-50°	5767.6	19.0
50°-60°	7843.5	25.9
60°-70°	7365.5	24.3
70°-80°	2950.9	9.7
80°-90°	143.0	0.5
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°	30338.0	100.0
0°-180°	30338.0	100.0

Coefficient of Utilization



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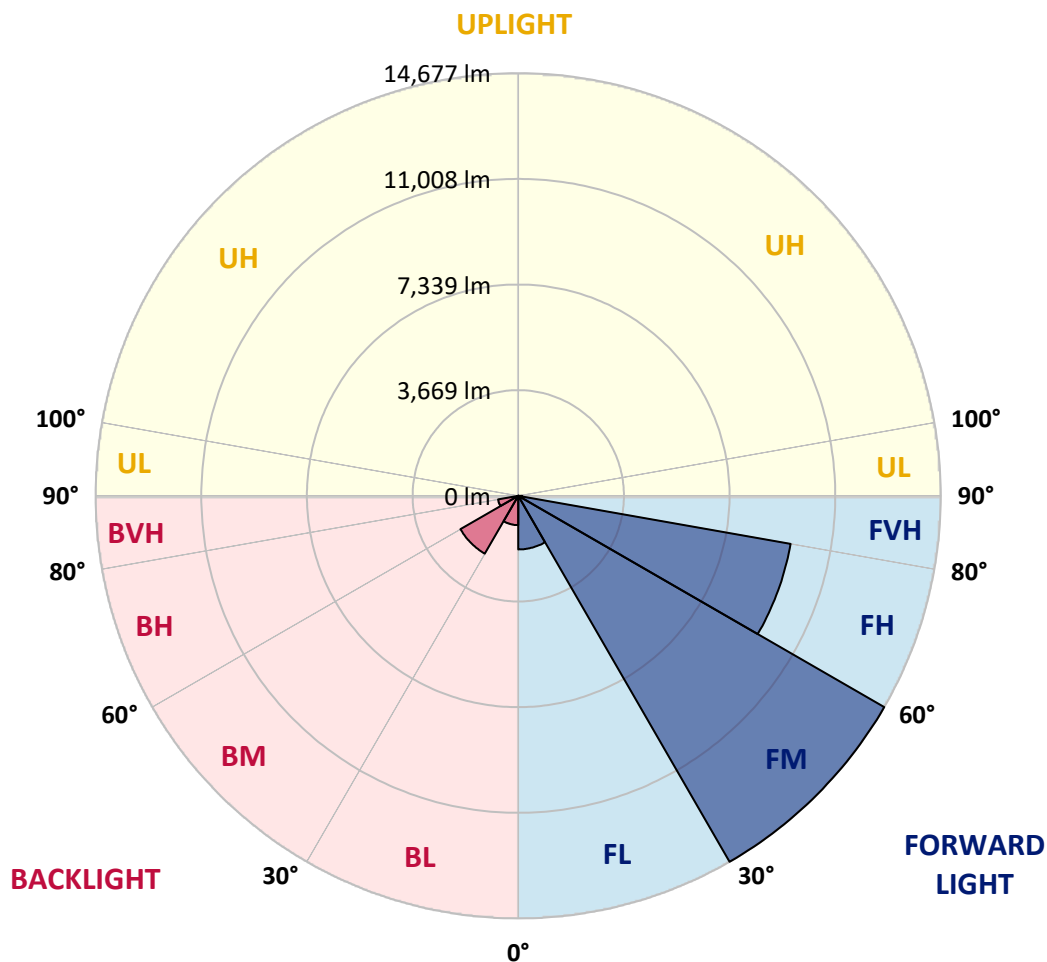
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1863.1	6.1			
FM (30°-60°)	14677.5	48.4			
FH (60°-80°)	9604.3	31.7			G4/12000
FVH (80°-90°)	136.0	0.4			G2/225
BL (0°-30°)	1018.6	3.4	B3/2500		
BM (30°-60°)	2319.4	7.6	B2/2500		
BH (60°-80°)	712.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6
2.5°	3516.4	3540.8	3534.7	3528.6	3526.6	3530.7	3532.7	3530.7	3530.7	3530.7
5°	3449.3	3469.6	3469.6	3483.9	3504.2	3528.6	3546.9	3551.0	3555.1	3561.2
7.5°	3321.2	3337.4	3349.7	3396.4	3447.3	3512.4	3567.3	3595.7	3599.8	3622.2
10°	3233.7	3254.1	3274.4	3323.2	3396.4	3494.1	3587.6	3656.8	3666.9	3719.8
12.5°	3229.7	3250.0	3276.4	3329.3	3414.7	3518.5	3632.3	3732.0	3750.3	3827.6
15°	3272.4	3296.8	3321.2	3386.3	3477.8	3603.9	3725.9	3850.0	3868.3	3978.1
17.5°	3359.8	3392.4	3410.7	3475.7	3573.4	3713.7	3874.4	4016.7	4033.0	4161.1
20°	3532.7	3571.3	3577.4	3630.3	3725.9	3876.4	4067.6	4244.5	4264.9	4411.3
22.5°	3890.6	3945.6	3896.7	3923.2	4008.6	4159.1	4366.5	4590.3	4618.7	4785.5
25°	4521.1	4598.4	4472.3	4427.6	4464.2	4620.8	4881.1	5163.8	5196.3	5330.6
27.5°	5759.7	5660.0	5468.9	5281.8	5171.9	5261.4	5554.3	5904.1	5944.8	6074.9
30°	7120.3	7032.8	6774.6	6359.7	6099.3	6085.1	6355.6	6746.1	6792.9	6916.9
32.5°	8482.9	8399.5	8118.9	7608.4	7156.9	6933.2	7120.3	7553.5	7577.9	7657.2
35°	9823.2	9737.8	9457.1	8934.4	8379.2	7870.8	7834.2	8322.3	8330.4	8413.8
37.5°	11171.6	11100.4	10801.5	10288.9	9741.9	9040.2	8700.6	9050.4	9060.5	9141.9
40°	12133.6	12164.1	11958.7	11562.1	11092.3	10325.5	9672.7	9825.2	9764.2	9900.5
42.5°	12959.3	13020.3	12841.3	12642.0	12369.5	11694.3	10876.7	10850.3	10752.6	10825.9
45°	13673.2	13724.0	13563.3	13516.6	13510.5	13036.6	12192.6	12033.9	11897.7	11883.4
47.5°	13935.5	14033.1	14102.3	14258.9	14564.0	14364.7	13553.2	13307.1	13154.5	13042.7
50°	14035.2	14138.9	14374.8	14830.4	15552.4	15637.8	14907.7	14631.1	14444.0	14240.6
52.5°	13900.9	14086.0	14403.3	15170.0	16217.4	16658.8	16207.3	15965.2	15751.7	15420.2
55°	13109.8	13294.9	13943.7	15166.0	16548.9	17374.7	17435.7	17327.9	17087.9	16565.2
57.5°	11442.1	11716.7	12743.7	14649.4	16542.8	17990.9	18639.7	18717.0	18448.5	17700.1
60°	9131.7	9503.9	10756.7	13504.4	16032.4	18324.4	19695.2	20081.6	19796.9	18818.7
62.5°	6371.9	6803.0	7988.7	11710.6	14865.0	18084.5	20466.0	21179.9	20964.3	19819.3
65°	3886.6	4024.9	4980.7	9215.1	12880.0	17079.8	20704.0	21773.7	21702.6	20431.4
67.5°	2589.0	2704.9	2979.5	6319.0	9998.1	15072.4	20134.5	21670.0	21690.4	20331.8
70°	1559.9	1659.6	1838.5	3675.1	6479.7	11930.2	18371.2	20348.1	20466.0	18999.7
72.5°	642.7	709.8	872.5	1665.7	3355.8	7571.8	14629.0	17470.3	17744.8	15975.4
75°	364.0	398.6	512.5	835.9	1456.2	3528.6	8861.2	12402.0	12806.8	11010.9
77.5°	242.0	258.3	331.5	541.0	819.6	1204.0	3786.9	6461.3	7234.2	6013.9
80°	162.7	176.9	227.8	362.0	532.9	516.6	1206.0	2393.8	2944.9	2066.3
82.5°	109.8	111.9	162.7	238.0	337.6	250.2	355.9	744.4	935.5	597.9
85°	63.0	61.0	120.0	138.3	150.5	103.7	107.8	223.7	292.9	252.2
87.5°	8.1	12.2	46.8	36.6	20.3	22.4	22.4	38.6	56.9	61.0
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°
3528.6	0°	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6	3528.6
3532.7	2.5°	3532.7	3530.7	3524.6	3518.5	3504.2	3496.1	3500.2	3496.1	3494.1	3496.1
3559.1	5°	3559.1	3553.0	3536.8	3516.4	3487.9	3453.4	3431.0	3398.5	3368.0	3349.7
3630.3	7.5°	3630.3	3624.2	3601.8	3544.9	3453.4	3309.0	3176.8	3060.9	2973.4	2922.6
3744.2	10°	3744.2	3734.0	3699.5	3573.4	3333.4	3018.1	2755.8	2538.2	2395.8	2328.7
3878.4	12.5°	3878.4	3866.2	3805.2	3546.9	3105.6	2613.4	2251.4	2009.4	1877.2	1818.2
4033.0	15°	4037.1	4020.8	3900.8	3420.8	2774.1	2166.0	1834.5	1653.5	1568.1	1515.2
4230.3	17.5°	4234.3	4205.9	3972.0	3231.7	2414.1	1824.3	1578.2	1442.0	1366.7	1315.9
4488.6	20°	4490.6	4443.8	4028.9	3005.9	2082.6	1608.7	1405.3	1291.5	1234.5	1189.8
4854.7	22.5°	4848.6	4781.4	4098.1	2761.9	1848.7	1460.3	1277.2	1193.8	1147.1	1096.2
5365.1	25°	5291.9	5212.6	4183.5	2536.1	1688.0	1332.1	1183.7	1114.5	1059.6	1000.6
6034.3	27.5°	5912.2	5769.9	4285.2	2351.1	1549.7	1222.3	1098.2	1021.0	957.9	909.1
6792.9	30°	6603.7	6369.8	4374.7	2239.2	1423.7	1120.6	986.4	909.1	850.1	815.5
7474.2	32.5°	7258.6	6941.3	4433.7	2190.4	1309.8	1004.7	864.4	781.0	736.2	726.1
8141.3	35°	7876.9	7457.9	4427.6	2143.6	1208.1	888.8	744.4	658.9	624.4	630.5
8859.2	37.5°	8588.7	8009.1	4384.8	2070.4	1124.7	783.0	640.6	565.4	534.9	536.9
9731.7	40°	9416.4	8645.6	4358.4	1932.1	1033.2	685.4	555.2	494.2	471.8	463.7
10651.0	42.5°	10299.1	9261.9	4362.5	1775.5	919.3	597.9	496.2	445.4	425.1	419.0
11674.0	45°	11185.8	9849.6	4368.6	1612.8	799.3	530.8	453.5	410.8	398.6	390.5
12711.2	47.5°	12019.7	10350.0	4254.7	1437.9	681.3	480.0	419.0	390.5	380.3	370.1
13752.5	50°	12796.6	10683.5	3980.1	1234.5	587.8	439.3	392.5	372.2	362.0	351.8
14696.2	52.5°	13400.6	10736.4	3526.6	1025.0	522.7	408.8	376.3	357.9	345.7	335.6
15458.8	55°	13669.1	10404.9	2881.9	829.8	471.8	382.4	360.0	341.7	327.4	317.3
16058.8	57.5°	13599.9	9707.3	2247.3	667.1	423.0	355.9	339.6	327.4	311.2	294.9
16544.9	60°	13260.3	8773.8	1694.1	555.2	378.3	327.4	317.3	307.1	284.7	260.3
16732.0	62.5°	12672.5	7600.3	1208.1	459.6	329.5	294.9	290.8	282.7	250.2	205.4
16455.4	65°	11773.6	6174.6	813.5	382.4	282.7	258.3	260.3	246.1	203.4	152.5
15442.6	67.5°	10459.8	4515.0	520.7	313.2	235.9	215.6	217.6	209.5	172.9	130.2
13522.7	70°	8786.0	2989.7	339.6	238.0	189.1	166.8	179.0	181.0	146.4	105.8
10378.4	72.5°	6441.0	1765.3	238.0	176.9	138.3	115.9	146.4	150.5	118.0	79.3
6243.7	75°	3671.0	837.9	179.0	128.1	85.4	81.4	113.9	113.9	81.4	52.9
2702.9	77.5°	1541.6	349.8	126.1	83.4	48.8	46.8	77.3	71.2	40.7	24.4
658.9	80°	445.4	156.6	67.1	40.7	20.3	18.3	30.5	22.4	10.2	4.1
250.2	82.5°	174.9	69.1	26.4	16.3	8.1	8.1	4.1	0.0	0.0	0.0
142.4	85°	103.7	28.5	12.2	6.1	2.0	0.0	0.0	0.0	0.0	0.0
30.5	87.5°	26.4	6.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
3528.6
3504.2
3353.7
2924.6
2322.6
1812.1
1517.2
1311.8
1181.6
1088.1
994.5
898.9
809.4
732.2
630.5
545.1
461.7
416.9
390.5
370.1
351.8
333.5
315.2
292.9
256.3
201.3
148.5
124.1
101.7
75.3
48.8
24.4
4.1
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