

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: P852698

Luminaire Tested: **GLAN-SB5D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37596 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

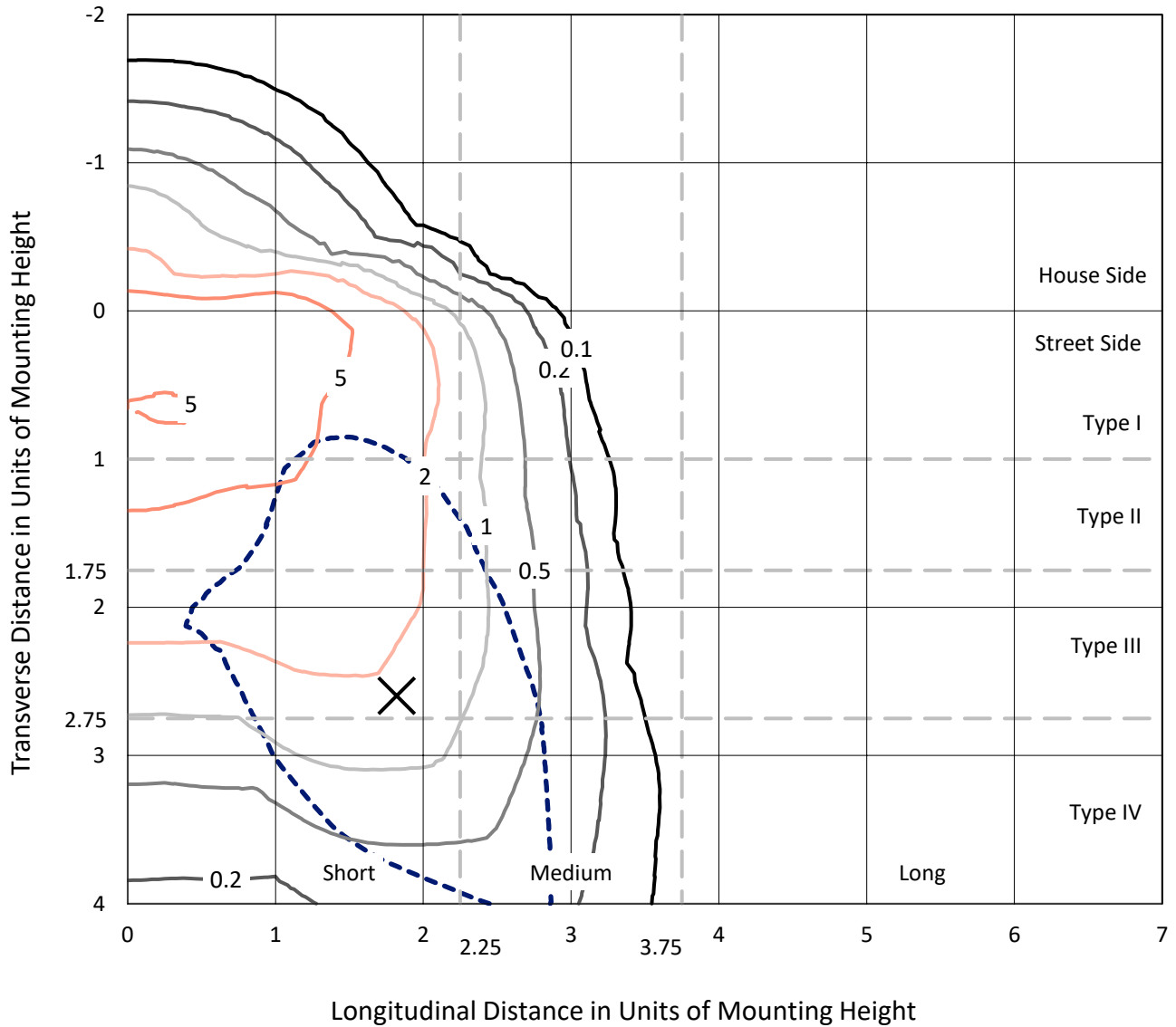
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

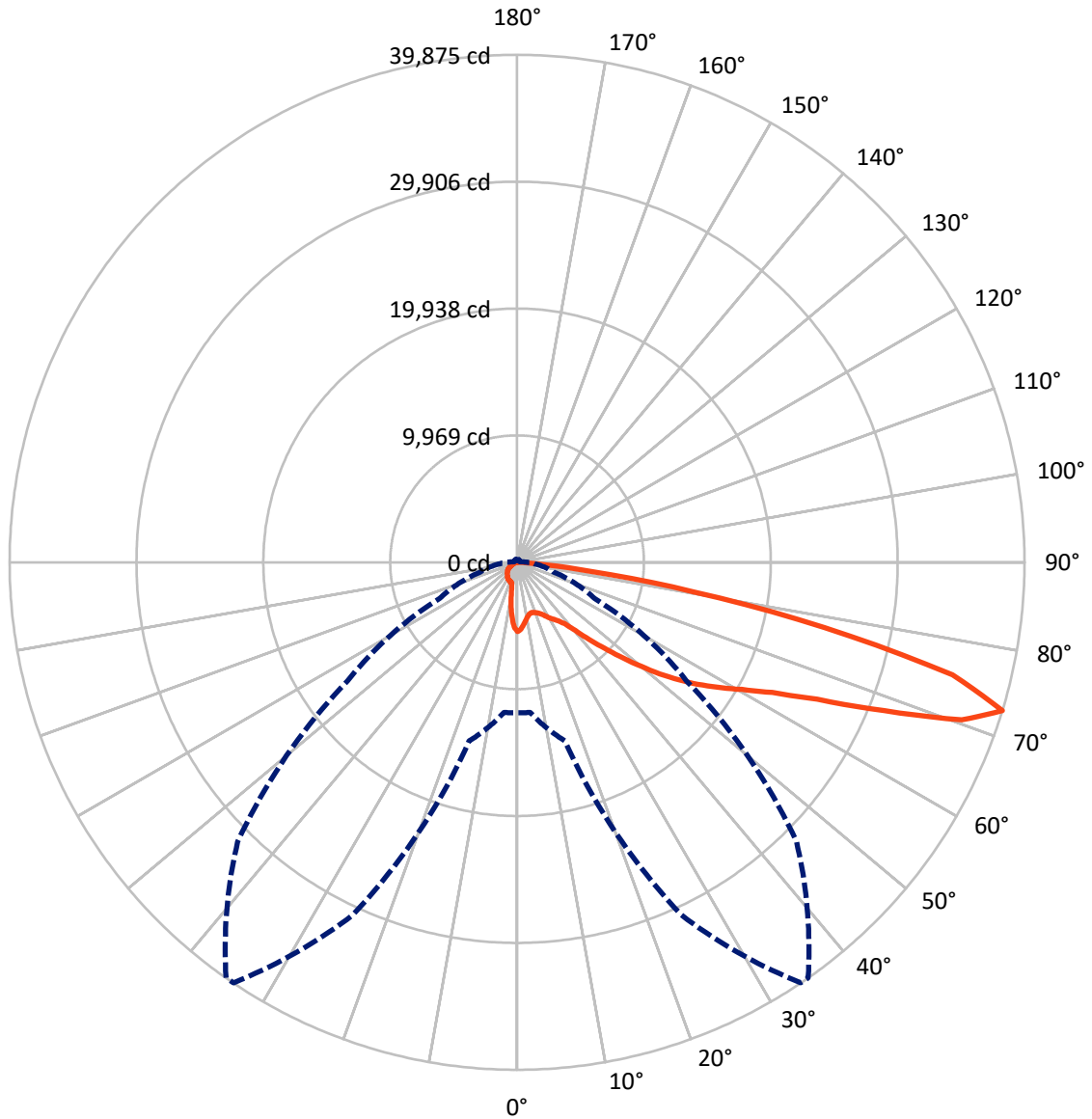
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4231.3	0.0	4231.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	33364.7	0.0	33364.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	37596.0	0.0	37596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.8	1.2
10°-20°	1047.5	2.8
20°-30°	1701.6	4.5
30°-40°	2839.1	7.6
40°-50°	5371.6	14.3
50°-60°	8535.5	22.7
60°-70°	10559.0	28.1
70°-80°	6563.5	17.5
80°-90°	530.4	1.4
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°	37596.0	100.0
0°-180°	37596.0	100.0

Coefficient of Utilization



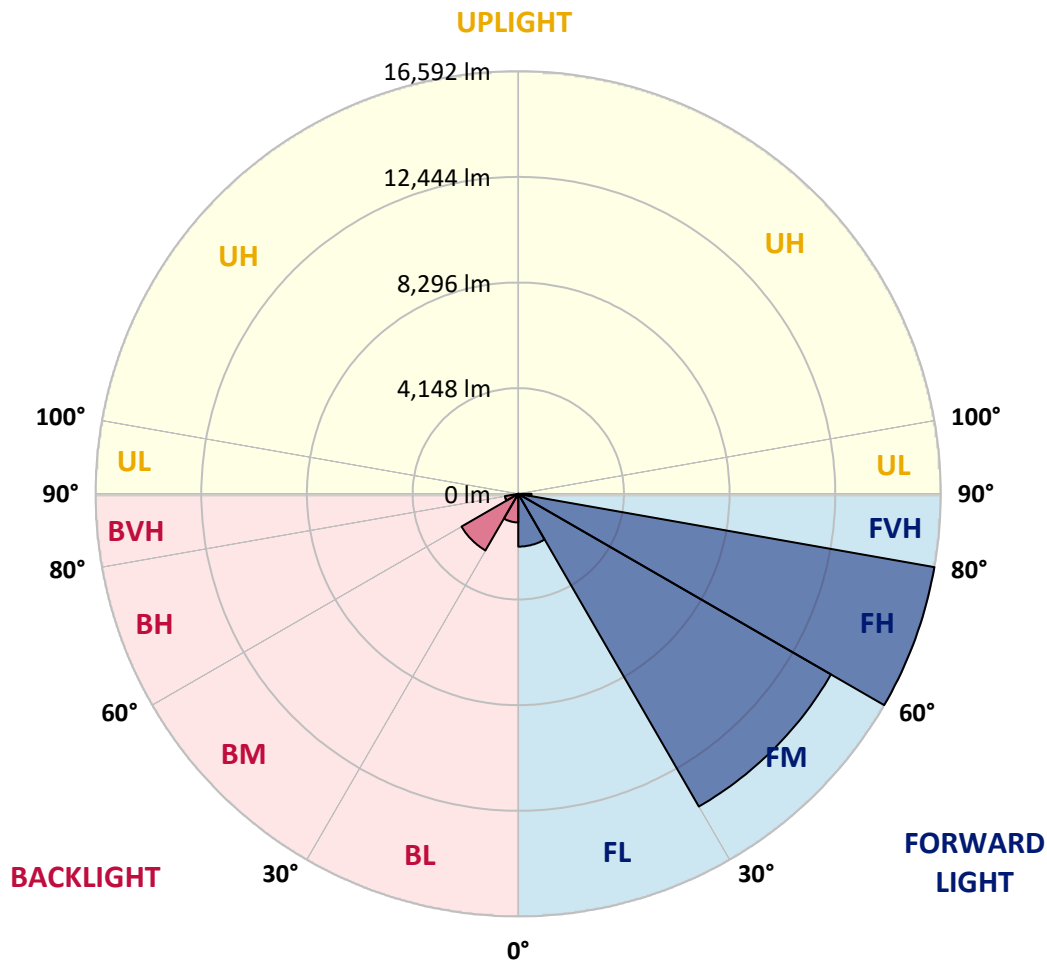
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2072.5	5.5			
FM	(30°-60°)	14177.4	37.7			
FH	(60°-80°)	16591.6	44.1			G5
FVH	(80°-90°)	523.2	1.4			G4/750
BL	(0°-30°)	1124.3	3.0	B3/2500		
BM	(30°-60°)	2568.8	6.8	B3/5000		
BH	(60°-80°)	531.0	1.4	B2/1000		G2/1000
BVH	(80°-90°)	7.2	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9
2.5°	5206.5	5250.6	5258.8	5272.6	5272.6	5289.1	5316.7	5355.3	5418.6	5451.7
5°	4798.8	4831.9	4873.2	4906.2	4969.6	4977.9	5085.3	5190.0	5336.0	5446.2
7.5°	4388.3	4426.9	4482.0	4561.9	4644.5	4669.3	4831.9	5008.2	5239.6	5446.2
10°	4099.1	4101.8	4151.4	4231.3	4363.5	4393.8	4592.2	4842.9	5132.1	5413.1
12.5°	3936.6	3955.8	3977.9	4038.5	4165.2	4184.5	4396.6	4691.4	5024.7	5393.8
15°	3936.6	3950.3	3964.1	3994.4	4096.3	4112.9	4300.2	4594.9	4969.6	5402.1
17.5°	3977.9	3999.9	3988.9	4024.7	4132.1	4143.2	4308.4	4567.4	4966.8	5454.4
20°	4077.0	4093.6	4071.5	4093.6	4201.0	4223.1	4393.8	4619.7	5013.7	5545.3
22.5°	4234.1	4242.3	4190.0	4206.5	4316.7	4344.3	4542.6	4768.5	5126.6	5691.3
25°	4432.4	4448.9	4369.1	4388.3	4493.0	4526.1	4754.7	4991.6	5305.7	5892.4
27.5°	4661.1	4669.3	4600.5	4597.7	4732.7	4779.5	5010.9	5267.1	5545.3	6145.9
30°	4922.8	4947.6	4881.4	4870.4	5041.2	5079.8	5308.4	5605.9	5897.9	6526.0
32.5°	5129.4	5148.7	5110.1	5137.6	5311.2	5341.5	5669.3	6085.3	6451.7	7066.0
35°	5426.9	5437.9	5349.7	5399.3	5597.7	5674.8	6162.4	6757.4	7148.6	7743.6
37.5°	6504.0	6504.0	6129.3	5884.2	6074.3	6143.1	6837.3	7603.1	8008.1	8652.7
40°	7994.3	7969.5	7421.3	6920.0	6895.2	7030.2	7798.7	8669.2	9118.3	9743.6
42.5°	9583.8	9545.3	8798.7	8302.9	8220.2	8267.0	8908.9	9983.3	10440.6	11074.1
45°	10994.3	10983.2	10300.1	9633.4	9484.6	9633.4	10294.5	11520.4	11848.2	12514.9
47.5°	12176.1	12176.1	11677.4	11242.2	11165.1	11253.2	12170.5	13225.6	13195.3	14049.3
50°	13536.9	13525.9	13052.1	12864.7	12944.6	13068.6	14330.3	15021.7	14589.2	15556.1
52.5°	14490.1	14556.2	14393.6	14363.3	14771.0	14985.9	16523.1	16779.3	15837.1	16985.9
55°	15244.9	15322.0	15509.3	15721.4	16506.5	16787.5	18647.0	18445.9	16881.2	18225.5
57.5°	16313.7	16203.5	16492.8	16911.5	18181.4	18520.3	20704.8	20018.9	17721.4	19231.0
60°	17611.2	17627.7	17677.3	18206.2	19853.6	20288.8	22732.3	21506.4	18261.3	19848.1
62.5°	19170.4	19195.2	19297.1	20109.8	22098.7	22509.2	24892.0	22724.0	18509.3	19674.5
65°	19063.0	19167.6	20305.4	23084.9	25511.9	25916.8	27412.6	23578.0	18134.6	18087.8
67.5°	17366.0	17536.8	19440.4	26638.6	30657.8	31109.5	30459.4	23746.1	16517.6	14065.8
70°	15140.2	15200.8	17490.0	29834.1	36616.3	37073.6	33186.6	21897.6	12534.2	7845.6
72.5°	11823.4	11837.2	14523.1	30575.1	39850.4	39875.2	31046.2	16255.9	6740.9	3013.7
75°	8446.1	8363.5	9727.1	24795.6	35059.9	35340.9	23275.0	7625.2	2575.7	1424.2
77.5°	4528.8	4619.7	5504.0	14704.9	24219.9	24699.2	12699.5	2198.3	1311.3	969.7
80°	1399.4	1476.6	2256.2	6732.6	13718.7	14008.0	4707.9	977.9	914.6	691.4
82.5°	440.8	457.3	1052.3	2829.1	5694.1	5826.3	1363.6	553.7	625.3	457.3
85°	126.7	129.5	468.3	1055.1	1407.7	1435.2	382.9	214.9	358.1	283.7
87.5°	13.8	44.1	176.3	176.3	124.0	121.2	41.3	46.8	101.9	35.8
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°
5448.9	0°	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9	5448.9
5473.7	2.5°	5459.9	5462.7	5426.9	5366.3	5300.2	5245.1	5176.2	5121.1	5082.5	5071.5
5523.3	5°	5498.5	5479.2	5377.3	5192.7	4972.3	4782.3	4570.2	4402.1	4291.9	4245.1
5575.6	7.5°	5556.4	5501.3	5278.1	4914.5	4493.0	4118.4	3738.2	3443.5	3256.1	3162.5
5625.2	10°	5605.9	5495.8	5112.8	4512.3	3867.7	3300.2	2787.8	2432.5	2234.1	2140.5
5683.1	12.5°	5652.8	5493.0	4898.0	4035.7	3162.5	2468.3	1991.7	1815.4	1760.3	1741.0
5776.7	15°	5740.9	5501.3	4628.0	3490.3	2460.0	1865.0	1691.4	1688.7	1699.7	1694.2
5920.0	17.5°	5862.1	5509.5	4322.2	2911.8	1898.0	1644.6	1636.3	1661.1	1677.7	1669.4
6099.0	20°	6019.2	5542.6	3997.2	2338.8	1630.8	1589.5	1608.8	1630.8	1644.6	1630.8
6338.7	22.5°	6239.5	5600.4	3641.8	1878.7	1545.4	1556.4	1573.0	1597.8	1611.5	1592.3
6644.5	25°	6509.5	5691.3	3291.9	1633.6	1504.1	1517.9	1542.7	1570.2	1586.7	1567.5
7030.2	27.5°	6859.4	5837.3	2969.6	1578.5	1462.8	1471.0	1506.9	1548.2	1570.2	1545.4
7578.4	30°	7366.2	6077.0	2691.4	1603.3	1438.0	1418.7	1468.3	1526.1	1550.9	1528.9
8324.9	32.5°	8038.4	6415.8	2520.6	1641.8	1427.0	1358.1	1404.9	1479.3	1520.6	1506.9
9300.1	35°	8919.9	6931.0	2454.5	1685.9	1418.7	1294.7	1327.8	1407.7	1479.3	1493.1
10528.7	37.5°	9988.8	7647.2	2473.8	1705.2	1393.9	1242.4	1258.9	1327.8	1421.5	1465.5
11911.6	40°	11203.6	8481.9	2584.0	1685.9	1366.4	1198.3	1201.1	1253.4	1336.1	1402.2
13399.2	42.5°	12457.0	9457.1	2787.8	1614.3	1341.6	1159.8	1151.5	1187.3	1242.4	1289.2
14884.0	45°	13649.8	10459.8	2988.9	1515.1	1311.3	1121.2	1101.9	1115.7	1126.7	1146.0
16330.2	47.5°	14691.2	11165.1	2931.1	1424.2	1269.9	1077.1	1044.1	1038.5	1005.5	1002.7
17622.2	50°	15410.1	11319.3	2603.3	1333.3	1209.3	1027.5	975.2	942.1	884.3	856.7
18589.1	52.5°	15638.8	10710.5	2126.7	1242.4	1110.2	961.4	887.0	834.7	763.1	738.3
19145.6	55°	15335.8	9517.7	1699.7	1132.2	972.4	873.3	790.6	721.7	663.9	633.6
19206.2	57.5°	14594.7	7999.8	1344.3	1002.7	826.4	774.1	691.4	622.6	573.0	542.7
18534.0	60°	13366.1	6352.5	1063.3	848.5	705.2	666.7	581.3	537.2	493.1	457.3
16798.5	62.5°	11501.1	4534.3	834.7	672.2	589.5	545.4	495.9	462.8	410.5	360.9
13677.4	65°	8975.0	2774.0	644.6	493.1	473.8	451.8	421.5	391.2	327.8	278.2
8922.7	67.5°	5661.0	1314.0	460.0	371.9	374.6	363.6	349.9	325.1	278.2	234.2
3997.2	70°	2493.1	636.4	303.0	283.7	278.2	278.2	289.3	281.0	236.9	195.6
1388.4	72.5°	848.5	341.6	225.9	214.9	201.1	198.3	242.4	234.2	190.1	151.5
691.4	75°	443.5	228.6	165.3	154.3	121.2	146.0	192.8	181.8	135.0	99.2
457.3	77.5°	289.3	162.5	112.9	99.2	68.9	96.4	143.2	126.7	79.9	49.6
300.3	80°	181.8	107.4	66.1	46.8	33.1	52.3	77.1	55.1	30.3	11.0
176.3	82.5°	96.4	55.1	24.8	16.5	13.8	16.5	19.3	13.8	5.5	0.0
90.9	85°	38.6	19.3	8.3	5.5	2.8	0.0	5.5	2.8	0.0	0.0
16.5	87.5°	13.8	2.8	0.0	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

180°
5448.9
5090.8
4261.6
3176.2
2143.2
1735.5
1691.4
1666.6
1628.1
1589.5
1564.7
1545.4
1526.1
1506.9
1493.1
1476.6
1424.2
1308.5
1157.0
1000.0
859.5
735.5
633.6
537.2
449.0
352.6
270.0
228.6
187.3
143.2
90.9
44.1
8.3
0.0
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