

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: P852936

Luminaire Tested: **GLAN-SB7C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852936  
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-SB7C-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

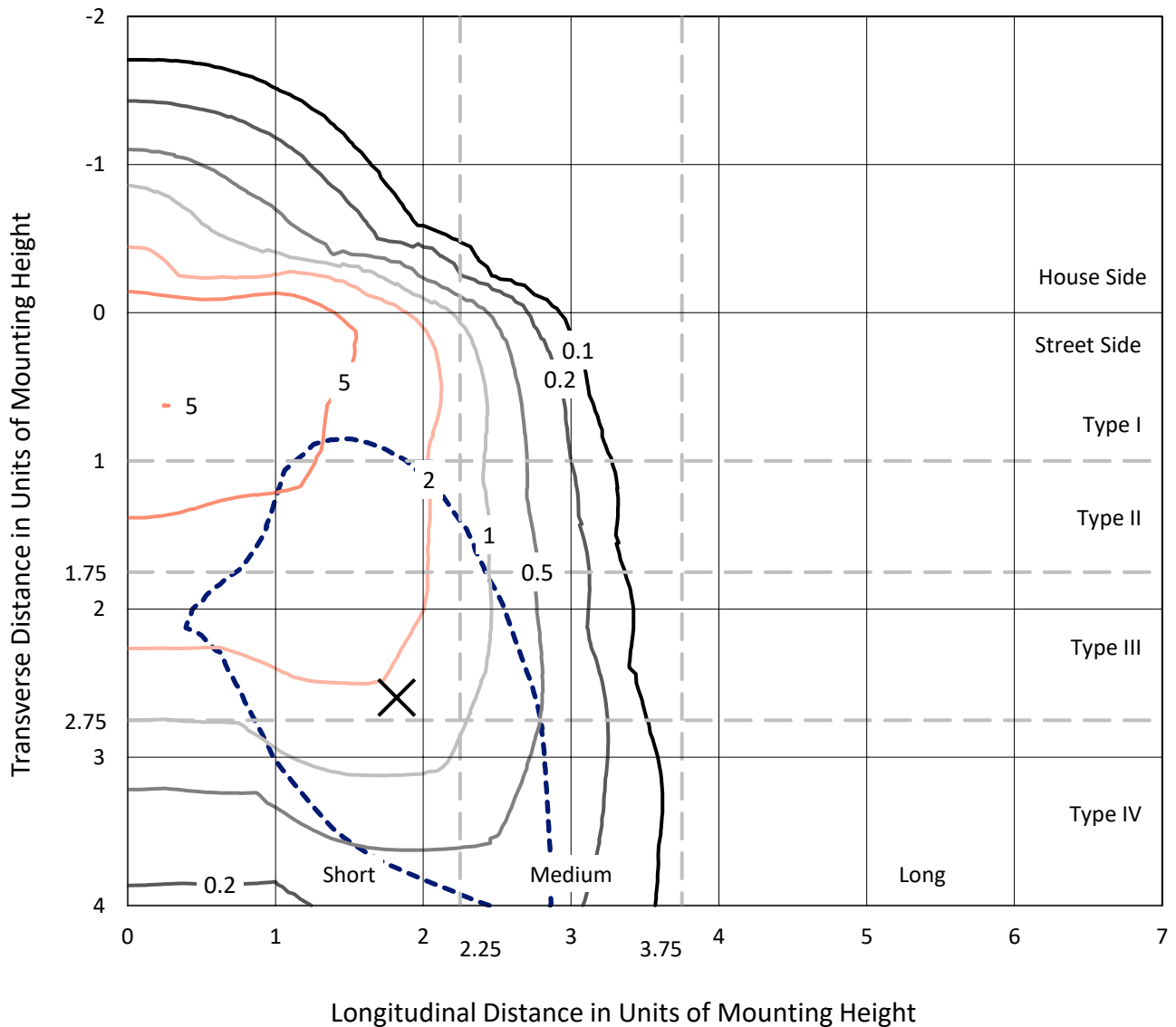
Lumens per Lamp: N/A  
Luminaire Lumens: 38953 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

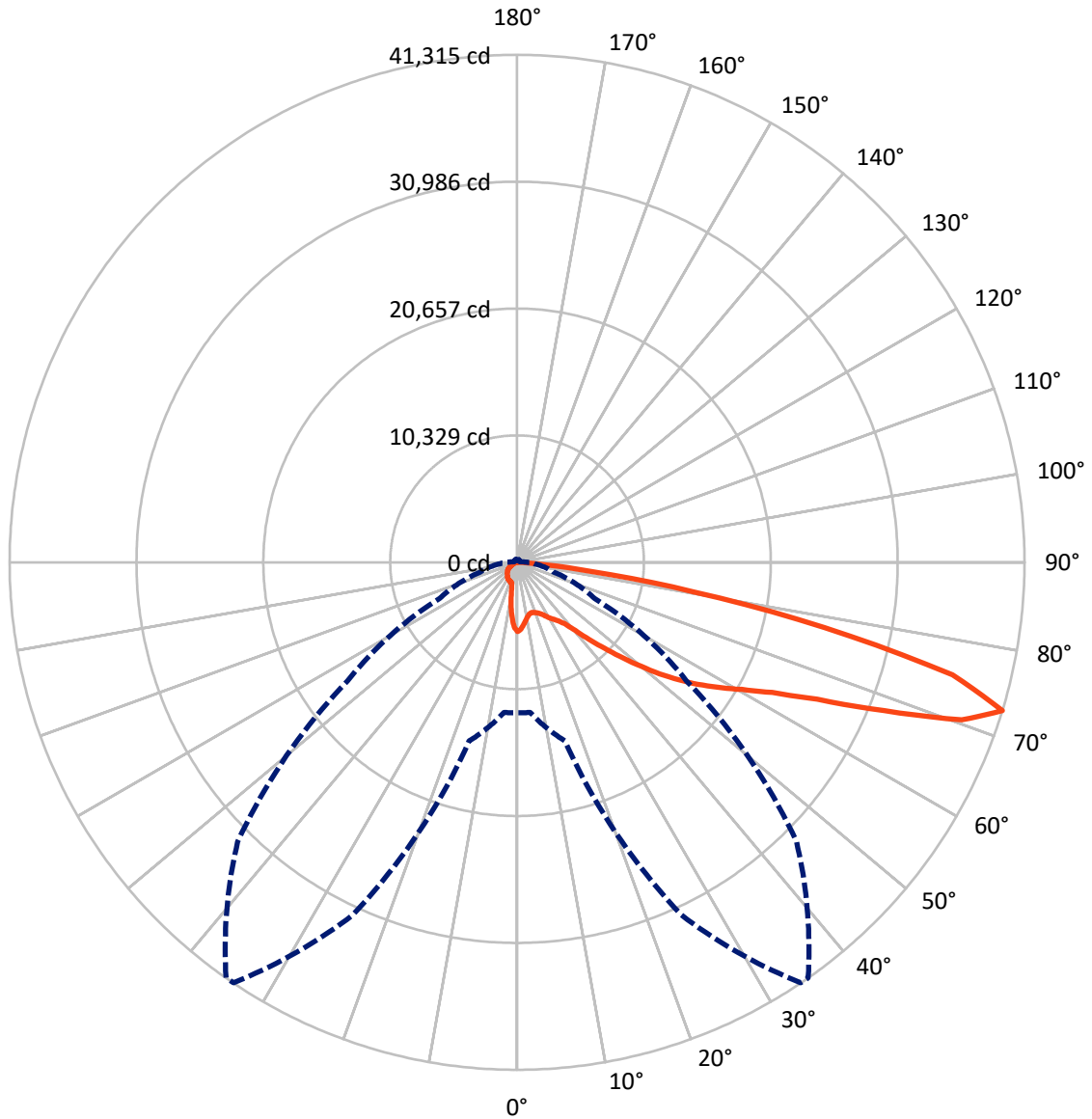
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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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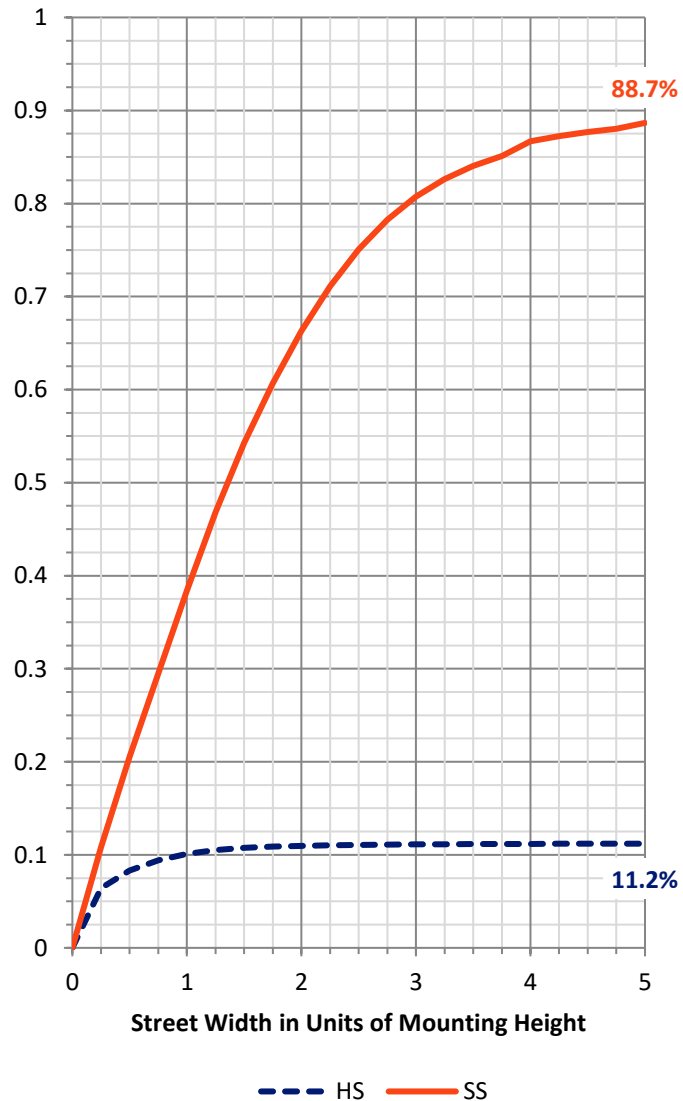
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4384.0	0.0	4384.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	34569.0	0.0	34569.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	38953.0	0.0	38953.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	463.9	1.2
10°-20°	1085.3	2.8
20°-30°	1763.0	4.5
30°-40°	2941.6	7.6
40°-50°	5565.5	14.3
50°-60°	8843.6	22.7
60°-70°	10940.1	28.1
70°-80°	6800.5	17.5
80°-90°	549.6	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°	38953.0	100.0
0°-180°	38953.0	100.0

**Coefficient of Utilization**



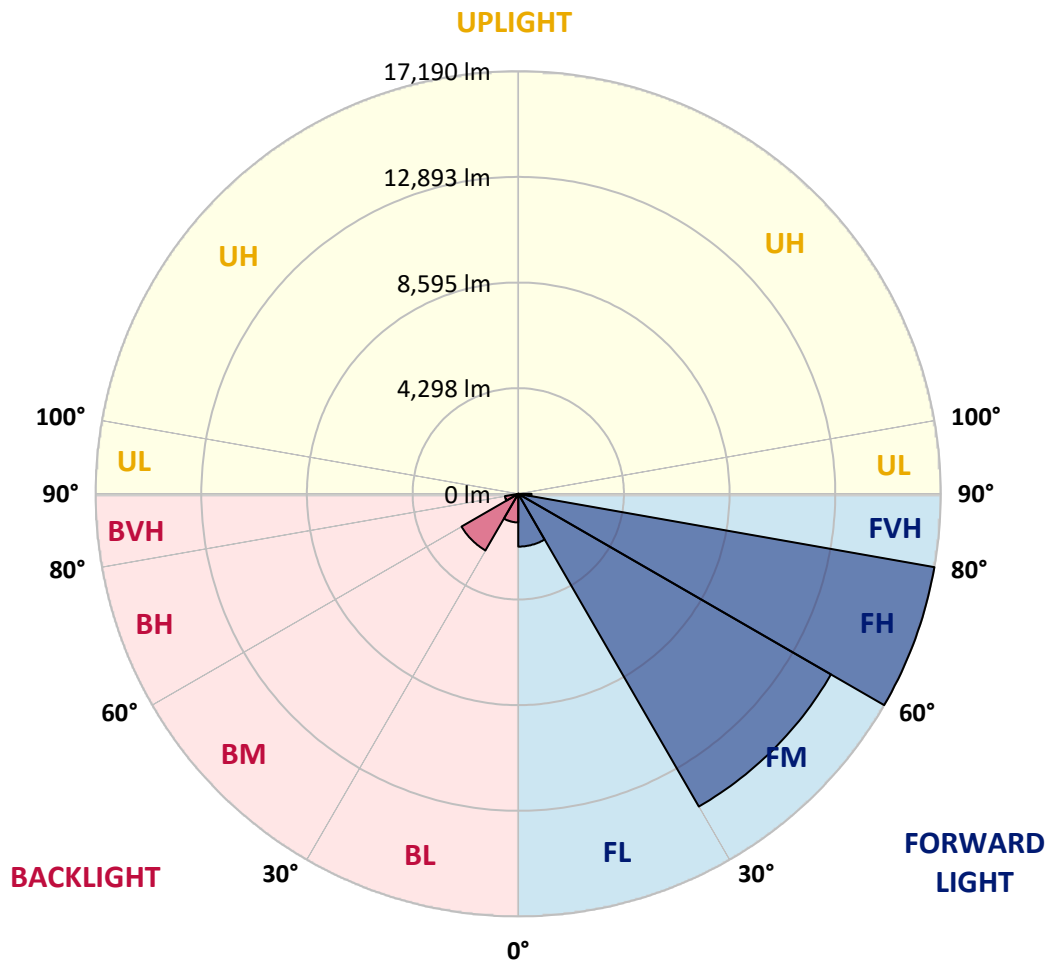
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2147.3	5.5			
FM	(30°-60°)	14689.2	37.7			
FH	(60°-80°)	17190.4	44.1			G5
FVH	(80°-90°)	542.1	1.4			G4/750
BL	(0°-30°)	1164.9	3.0	B3/2500		
BM	(30°-60°)	2661.5	6.8	B3/5000		
BH	(60°-80°)	550.1	1.4	B2/1000		G2/1000
BVH	(80°-90°)	7.5	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°	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6
2.5°	5394.4	5440.1	5448.7	5462.9	5462.9	5480.1	5508.6	5548.6	5614.2	5648.4
5°	4972.0	5006.3	5049.1	5083.3	5149.0	5157.5	5268.8	5377.3	5528.6	5642.7
7.5°	4546.7	4586.7	4643.8	4726.5	4812.2	4837.9	5006.3	5188.9	5428.7	5642.7
10°	4247.0	4249.9	4301.3	4384.0	4521.0	4552.4	4757.9	5017.7	5317.4	5608.5
12.5°	4078.6	4098.6	4121.5	4184.2	4315.5	4335.5	4555.3	4860.7	5206.0	5588.5
15°	4078.6	4092.9	4107.2	4138.6	4244.2	4261.3	4455.4	4760.8	5149.0	5597.1
17.5°	4121.5	4144.3	4132.9	4170.0	4281.3	4292.7	4464.0	4732.3	5146.1	5651.3
20°	4224.2	4241.3	4218.5	4241.3	4352.6	4375.5	4552.4	4786.5	5194.6	5745.5
22.5°	4386.9	4395.5	4341.2	4358.4	4472.5	4501.1	4706.6	4940.6	5311.7	5896.8
25°	4592.4	4609.5	4526.8	4546.7	4655.2	4689.4	4926.3	5171.8	5497.2	6105.1
27.5°	4829.3	4837.9	4766.5	4763.6	4903.5	4952.0	5191.8	5457.2	5745.5	6367.7
30°	5100.4	5126.1	5057.6	5046.2	5223.2	5263.1	5500.0	5808.3	6110.8	6761.6
32.5°	5314.5	5334.5	5294.5	5323.1	5502.9	5534.3	5873.9	6304.9	6684.5	7321.0
35°	5622.8	5634.2	5542.8	5594.2	5799.7	5879.6	6384.8	7001.3	7406.6	8023.1
37.5°	6738.8	6738.8	6350.6	6096.6	6293.5	6364.9	7084.1	7877.6	8297.1	8965.0
40°	8282.9	8257.2	7689.2	7169.7	7144.0	7283.9	8080.2	8982.1	9447.4	10095.3
42.5°	9929.7	9889.8	9116.3	8602.5	8516.9	8565.4	9230.5	10343.6	10817.4	11473.9
45°	11391.1	11379.7	10671.8	9981.1	9827.0	9981.1	10666.1	11936.2	12275.9	12966.6
47.5°	12615.5	12615.5	12098.9	11648.0	11568.0	11659.4	12609.8	13703.0	13671.6	14556.4
50°	14025.5	14014.1	13523.2	13329.1	13411.9	13540.3	14847.5	15563.9	15115.8	16117.6
52.5°	15013.1	15081.6	14913.2	14881.8	15304.2	15526.8	17119.5	17384.9	16408.8	17599.0
55°	15795.1	15875.0	16069.1	16288.9	17102.3	17393.5	19320.0	19111.7	17490.5	18883.3
57.5°	16902.5	16788.4	17088.1	17521.9	18837.7	19188.7	21452.1	20741.4	18361.0	19925.1
60°	18246.9	18264.0	18315.4	18863.4	20570.2	21021.1	23552.8	22282.7	18920.5	20564.5
62.5°	19862.3	19888.0	19993.6	20835.6	22896.3	23321.6	25790.5	23544.2	19177.3	20384.7
65°	19751.0	19859.5	21038.3	23918.1	26432.7	26852.3	28402.1	24429.0	18789.2	18740.6
67.5°	17992.8	18169.8	20142.0	27600.1	31764.3	32232.4	31558.8	24603.2	17113.7	14573.5
70°	15686.7	15749.4	18121.3	30910.9	37937.9	38411.7	34384.5	22688.0	12986.6	8128.7
72.5°	12250.2	12264.5	15047.3	31678.7	41288.8	41314.5	32166.8	16842.6	6984.2	3122.5
75°	8751.0	8665.3	10078.2	25690.6	36325.3	36616.5	24115.1	7900.4	2668.7	1475.6
77.5°	4692.3	4786.5	5702.7	15235.7	25094.1	25590.7	13157.8	2277.6	1358.6	1004.7
80°	1449.9	1529.8	2337.6	6975.7	14213.9	14513.6	4877.8	1013.2	947.6	716.4
82.5°	456.7	473.8	1090.3	2931.3	5899.6	6036.6	1412.8	573.7	647.9	473.8
85°	131.3	134.1	485.2	1093.2	1458.5	1487.0	396.7	222.6	371.0	294.0
87.5°	14.3	45.7	182.7	182.7	128.4	125.6	42.8	48.5	105.6	37.1
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°
5645.6	0°	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6	5645.6
5671.3	2.5°	5657.0	5659.9	5622.8	5560.0	5491.5	5434.4	5363.0	5305.9	5266.0	5254.6
5722.7	5°	5697.0	5677.0	5571.4	5380.2	5151.8	4954.9	4735.1	4561.0	4446.8	4398.3
5776.9	7.5°	5756.9	5699.8	5468.6	5091.9	4655.2	4267.0	3873.1	3567.7	3373.7	3276.6
5828.3	10°	5808.3	5694.1	5297.4	4675.2	4007.3	3419.3	2888.4	2520.3	2314.8	2217.7
5888.2	12.5°	5856.8	5691.3	5074.8	4181.4	3276.6	2557.4	2063.6	1880.9	1823.8	1803.9
5985.2	15°	5948.1	5699.8	4795.0	3616.3	2548.8	1932.3	1752.5	1749.6	1761.0	1755.3
6133.7	17.5°	6073.7	5708.4	4478.2	3016.9	1966.5	1704.0	1695.4	1721.1	1738.2	1729.6
6319.2	20°	6236.4	5742.6	4141.4	2423.2	1689.7	1646.9	1666.8	1689.7	1704.0	1689.7
6567.5	22.5°	6464.7	5802.6	3773.2	1946.6	1601.2	1612.6	1629.7	1655.4	1669.7	1649.7
6884.3	25°	6744.5	5896.8	3410.8	1692.5	1558.4	1572.7	1598.3	1626.9	1644.0	1624.0
7283.9	27.5°	7106.9	6048.0	3076.8	1635.5	1515.6	1524.1	1561.2	1604.1	1626.9	1601.2
7851.9	30°	7632.1	6296.4	2788.5	1661.1	1489.9	1469.9	1521.3	1581.2	1606.9	1584.1
8625.4	32.5°	8328.5	6647.4	2611.6	1701.1	1478.5	1407.1	1455.6	1532.7	1575.5	1561.2
9635.8	35°	9241.9	7181.2	2543.1	1746.8	1469.9	1341.5	1375.7	1458.5	1532.7	1547.0
10908.7	37.5°	10349.3	7923.2	2563.1	1766.7	1444.2	1287.2	1304.4	1375.7	1472.8	1518.4
12341.5	40°	11608.0	8788.1	2677.2	1746.8	1415.7	1241.6	1244.4	1298.7	1384.3	1452.8
13882.8	42.5°	12906.7	9798.4	2888.4	1672.6	1390.0	1201.6	1193.1	1230.2	1287.2	1335.8
15421.2	45°	14142.5	10837.4	3096.8	1569.8	1358.6	1161.7	1141.7	1155.9	1167.4	1187.3
16919.7	47.5°	15221.4	11568.0	3036.9	1475.6	1315.8	1116.0	1081.7	1076.0	1041.8	1038.9
18258.3	50°	15966.4	11727.9	2697.2	1381.4	1253.0	1064.6	1010.4	976.1	916.2	887.7
19260.1	52.5°	16203.3	11097.1	2203.4	1287.2	1150.2	996.1	919.1	864.8	790.6	764.9
19836.6	55°	15889.3	9861.2	1761.0	1173.1	1007.5	904.8	819.2	747.8	687.9	656.5
19899.4	57.5°	15121.5	8288.6	1392.8	1038.9	856.3	802.0	716.4	645.0	593.7	562.3
19203.0	60°	13848.5	6581.8	1101.7	879.1	730.7	690.7	602.2	556.6	510.9	473.8
17404.9	62.5°	11916.3	4698.0	864.8	696.4	610.8	565.1	513.8	479.5	425.3	373.9
14171.1	65°	9299.0	2874.2	667.9	510.9	490.9	468.1	436.7	405.3	339.6	288.3
9244.7	67.5°	5865.4	1361.5	476.7	385.3	388.2	376.8	362.5	336.8	288.3	242.6
4141.4	70°	2583.0	659.3	314.0	294.0	288.3	288.3	299.7	291.1	245.5	202.6
1438.5	72.5°	879.1	353.9	234.0	222.6	208.4	205.5	251.2	242.6	196.9	157.0
716.4	75°	459.5	236.9	171.3	159.8	125.6	151.3	199.8	188.4	139.9	102.8
473.8	77.5°	299.7	168.4	117.0	102.8	71.4	99.9	148.4	131.3	82.8	51.4
311.1	80°	188.4	111.3	68.5	48.5	34.3	54.2	79.9	57.1	31.4	11.4
182.7	82.5°	99.9	57.1	25.7	17.1	14.3	17.1	20.0	14.3	5.7	0.0
94.2	85°	40.0	20.0	8.6	5.7	2.9	0.0	5.7	2.9	0.0	0.0
17.1	87.5°	14.3	2.9	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



<u>180°</u>
5645.6
5274.6
4415.4
3290.9
2220.6
1798.1
1752.5
1726.8
1686.8
1646.9
1621.2
1601.2
1581.2
1561.2
1547.0
1529.8
1475.6
1355.7
1198.8
1036.1
890.5
762.1
656.5
556.6
465.2
365.3
279.7
236.9
194.1
148.4
94.2
45.7
8.6
0.0
0.0
0.0
0.0

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