

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: P847247

Luminaire Tested: **GLAN-SB3B-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847247  
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-SB3B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 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: 12800 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

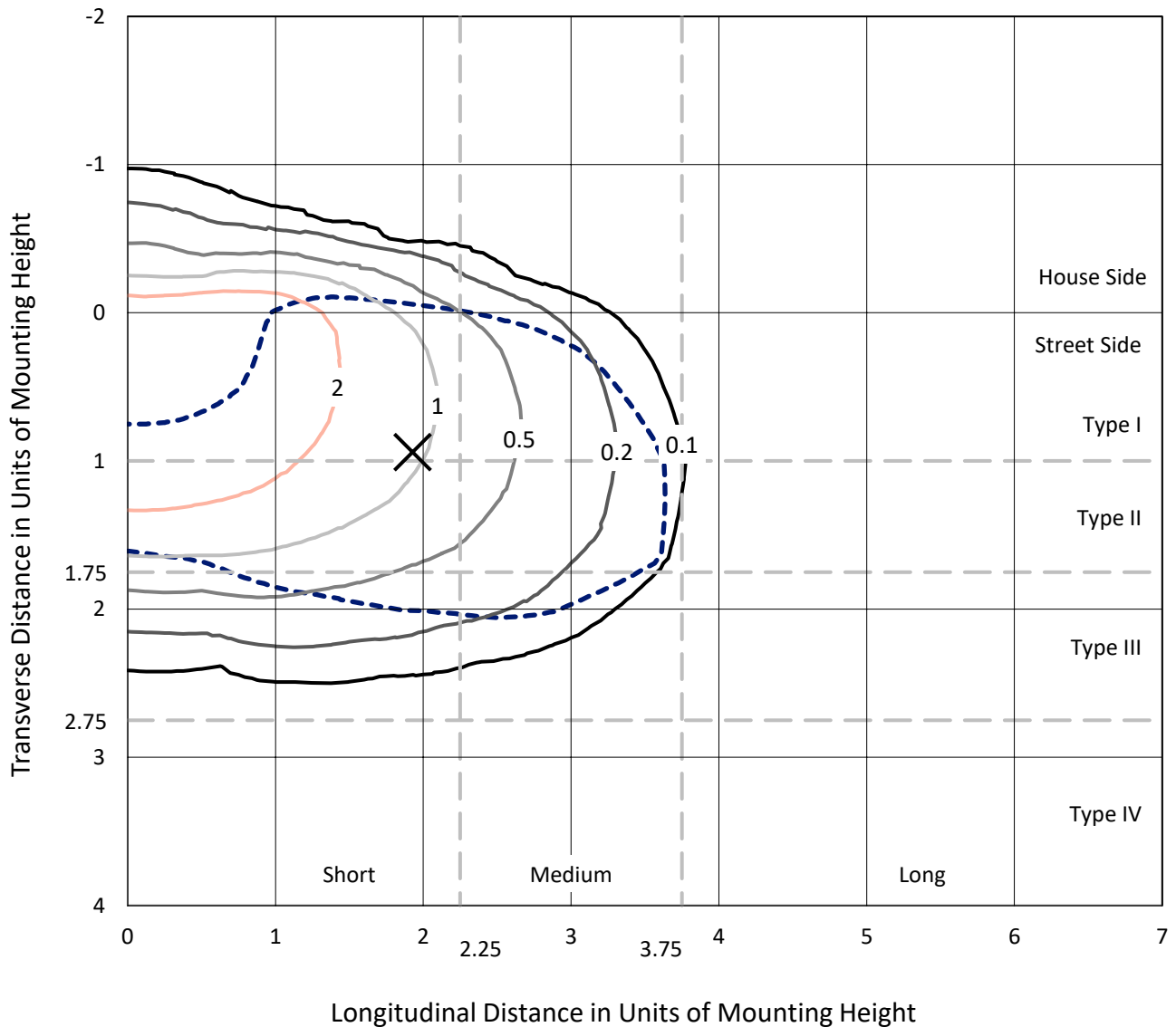
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

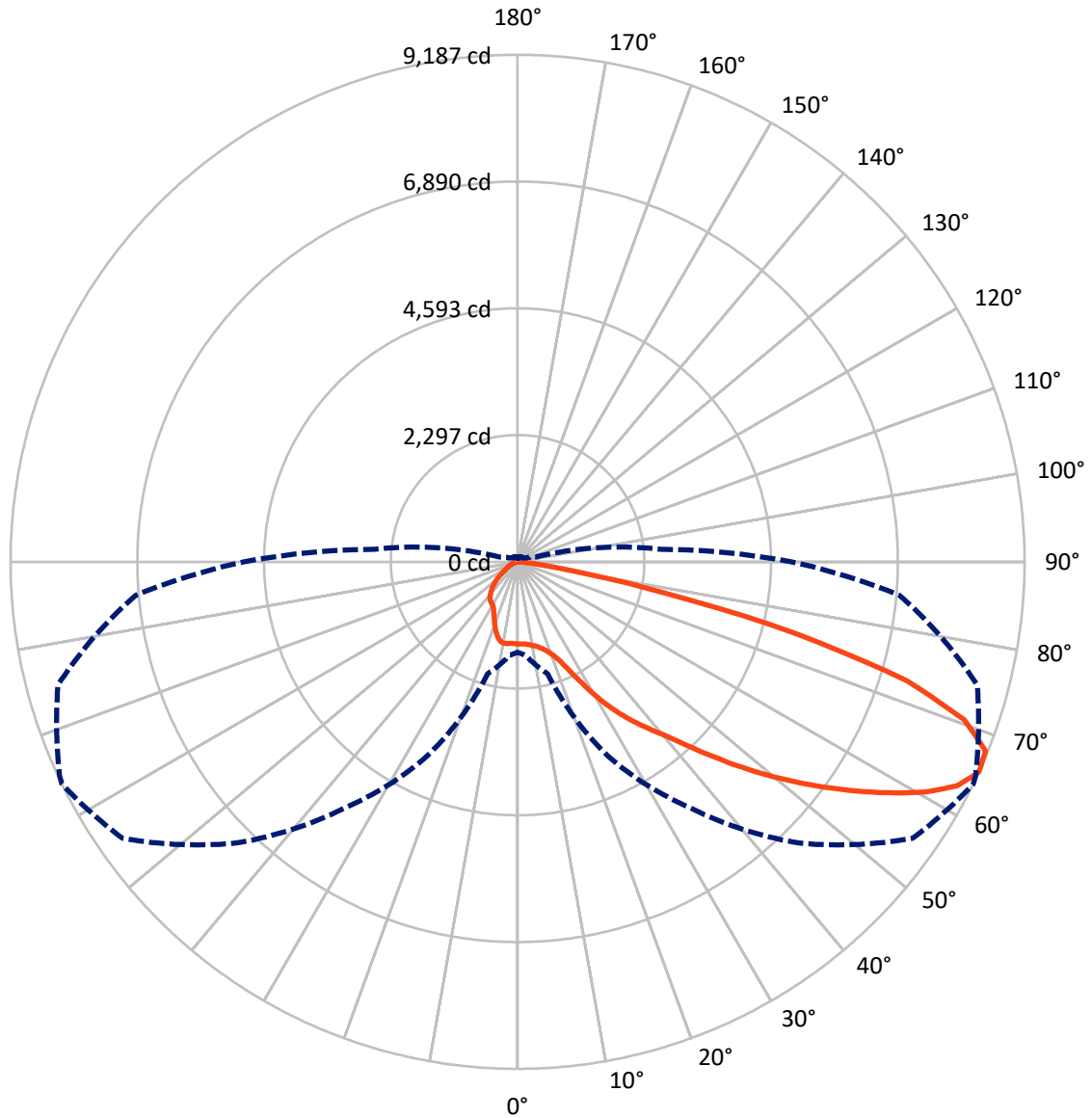
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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
<b>House Side</b>	Lumens	1711.8	0.0	1711.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	11088.2	0.0	11088.2
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	12800.0	0.0	12800.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	1.1
10°-20°	372.5	2.9
20°-30°	705.9	5.5
30°-40°	1428.5	11.2
40°-50°	2433.4	19.0
50°-60°	3309.3	25.9
60°-70°	3107.6	24.3
70°-80°	1245.0	9.7
80°-90°	60.3	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°	12800.0	100.0
0°-180°	12800.0	100.0

**Coefficient of Utilization**



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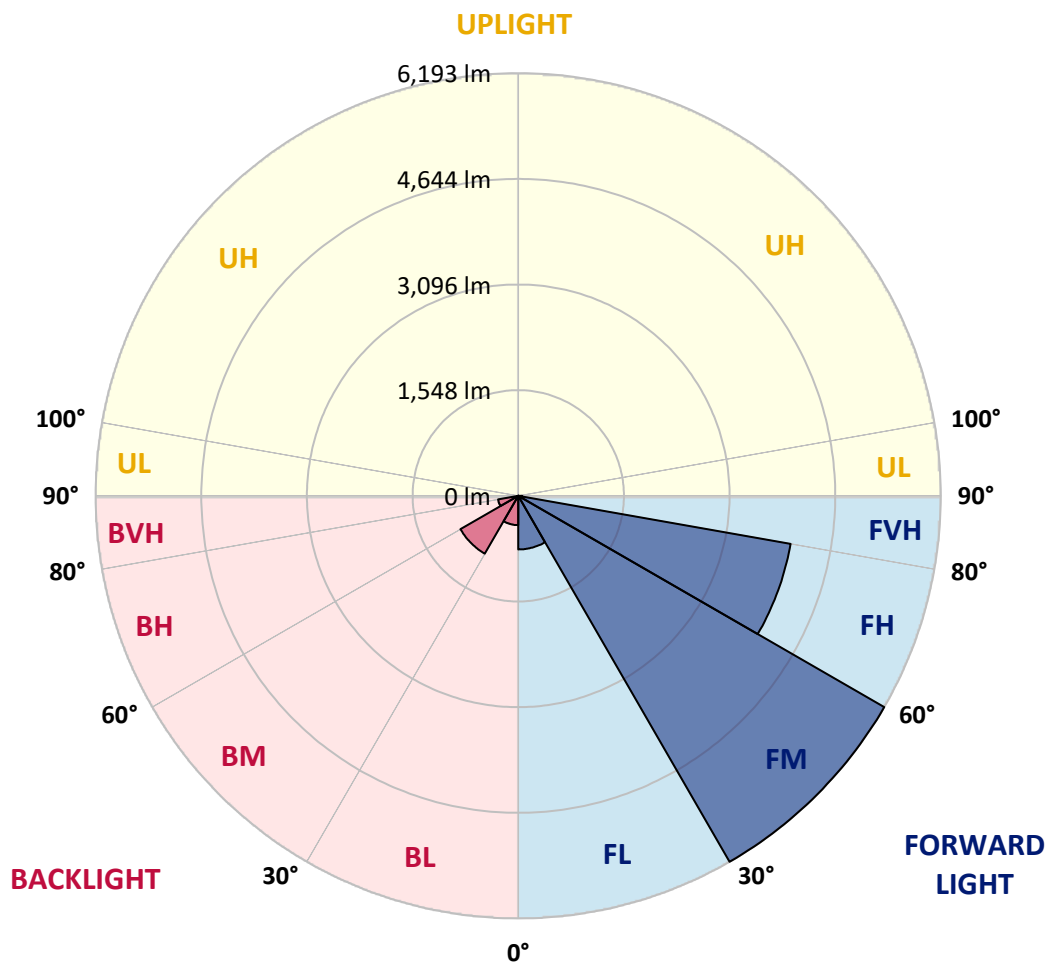
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.1	6.1			
FM (30°-60°)	6192.6	48.4			
FH (60°-80°)	4052.2	31.7			G2/5000
FVH (80°-90°)	57.4	0.4			G1/100
BL (0°-30°)	429.8	3.4	B1/500		
BM (30°-60°)	978.6	7.6	B1/1000		
BH (60°-80°)	300.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8
2.5°	1483.6	1493.9	1491.3	1488.8	1487.9	1489.6	1490.5	1489.6	1489.6	1489.6
5°	1455.3	1463.9	1463.9	1469.9	1478.5	1488.8	1496.5	1498.2	1499.9	1502.5
7.5°	1401.2	1408.1	1413.3	1433.0	1454.4	1481.9	1505.1	1517.1	1518.8	1528.2
10°	1364.4	1372.9	1381.5	1402.1	1433.0	1474.2	1513.7	1542.8	1547.1	1569.4
12.5°	1362.6	1371.2	1382.4	1404.7	1440.7	1484.5	1532.5	1574.6	1582.3	1614.9
15°	1380.7	1391.0	1401.2	1428.7	1467.3	1520.5	1572.0	1624.3	1632.1	1678.4
17.5°	1417.6	1431.3	1439.0	1466.5	1507.7	1566.9	1634.6	1694.7	1701.6	1755.6
20°	1490.5	1506.8	1509.4	1531.7	1572.0	1635.5	1716.2	1790.8	1799.4	1861.2
22.5°	1641.5	1664.7	1644.1	1655.2	1691.3	1754.8	1842.3	1936.7	1948.7	2019.1
25°	1907.5	1940.1	1886.9	1868.0	1883.5	1949.6	2059.4	2178.7	2192.4	2249.0
27.5°	2430.1	2388.0	2307.4	2228.4	2182.1	2219.9	2343.4	2491.0	2508.2	2563.1
30°	3004.1	2967.2	2858.3	2683.2	2573.4	2567.4	2681.5	2846.3	2866.0	2918.3
32.5°	3579.1	3543.9	3425.5	3210.1	3019.6	2925.2	3004.1	3186.9	3197.2	3230.7
35°	4144.5	4108.5	3990.1	3769.6	3535.3	3320.8	3305.3	3511.3	3514.7	3549.9
37.5°	4713.4	4683.4	4557.3	4341.0	4110.2	3814.2	3670.9	3818.5	3822.8	3857.1
40°	5119.3	5132.2	5045.5	4878.2	4680.0	4356.5	4081.0	4145.4	4119.7	4177.1
42.5°	5467.7	5493.4	5417.9	5333.8	5218.9	4934.0	4589.0	4577.9	4536.7	4567.6
45°	5768.9	5790.3	5722.6	5702.8	5700.2	5500.3	5144.2	5077.3	5019.8	5013.8
47.5°	5879.6	5920.8	5949.9	6016.0	6144.7	6060.6	5718.3	5614.4	5550.1	5502.9
50°	5921.6	5965.4	6064.9	6257.1	6561.8	6597.8	6289.7	6173.0	6094.1	6008.3
52.5°	5865.0	5943.1	6076.9	6400.4	6842.3	7028.6	6838.1	6735.9	6645.8	6506.0
55°	5531.2	5609.3	5883.0	6398.7	6982.2	7330.6	7356.3	7310.9	7209.6	6989.1
57.5°	4827.6	4943.4	5376.7	6180.8	6979.6	7590.6	7864.3	7896.9	7783.7	7467.9
60°	3852.8	4009.8	4538.4	5697.7	6764.3	7731.3	8309.7	8472.7	8352.6	7939.8
62.5°	2688.4	2870.3	3370.5	4940.8	6271.7	7630.1	8634.9	8936.1	8845.1	8362.0
65°	1639.8	1698.1	2101.4	3888.0	5434.2	7206.2	8735.3	9186.6	9156.6	8620.3
67.5°	1092.3	1141.2	1257.1	2666.1	4218.3	6359.2	8495.0	9142.9	9151.4	8578.2
70°	658.1	700.2	775.7	1550.6	2733.9	5033.5	7751.1	8585.1	8634.9	8016.2
72.5°	271.2	299.5	368.1	702.8	1415.8	3194.6	6172.2	7370.9	7486.8	6740.2
75°	153.6	168.2	216.2	352.7	614.4	1488.8	3738.7	5232.6	5403.3	4645.7
77.5°	102.1	109.0	139.9	228.2	345.8	508.0	1597.7	2726.1	3052.2	2537.3
80°	68.6	74.7	96.1	152.7	224.8	218.0	508.8	1010.0	1242.5	871.8
82.5°	46.3	47.2	68.6	100.4	142.4	105.5	150.2	314.1	394.7	252.3
85°	26.6	25.7	50.6	58.3	63.5	43.8	45.5	94.4	123.6	106.4
87.5°	3.4	5.1	19.7	15.4	8.6	9.4	9.4	16.3	24.0	25.7
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°
1488.8	0°	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8	1488.8
1490.5	2.5°	1490.5	1489.6	1487.1	1484.5	1478.5	1475.0	1476.8	1475.0	1474.2	1475.0
1501.6	5°	1501.6	1499.1	1492.2	1483.6	1471.6	1457.0	1447.6	1433.9	1421.0	1413.3
1531.7	7.5°	1531.7	1529.1	1519.7	1495.6	1457.0	1396.1	1340.3	1291.4	1254.5	1233.1
1579.7	10°	1579.7	1575.4	1560.9	1507.7	1406.4	1273.4	1162.7	1070.9	1010.8	982.5
1636.4	12.5°	1636.4	1631.2	1605.5	1496.5	1310.3	1102.6	949.9	847.8	792.0	767.1
1701.6	15°	1703.3	1696.4	1645.8	1443.3	1170.4	913.9	774.0	697.6	661.6	639.3
1784.8	17.5°	1786.5	1774.5	1675.8	1363.5	1018.5	769.7	665.9	608.4	576.6	555.2
1893.8	20°	1894.6	1874.9	1699.9	1268.2	878.7	678.7	592.9	544.9	520.9	502.0
2048.2	22.5°	2045.7	2017.4	1729.0	1165.3	780.0	616.1	538.9	503.7	484.0	462.5
2263.6	25°	2232.7	2199.3	1765.1	1070.0	712.2	562.0	499.4	470.2	447.1	422.2
2545.9	27.5°	2494.4	2434.4	1808.0	991.9	653.9	515.7	463.4	430.8	404.2	383.6
2866.0	30°	2786.2	2687.5	1845.7	944.7	600.7	472.8	416.2	383.6	358.7	344.1
3153.5	32.5°	3062.5	2928.6	1870.6	924.2	552.6	423.9	364.7	329.5	310.6	306.3
3434.9	35°	3323.4	3146.6	1868.0	904.4	509.7	375.0	314.1	278.0	263.4	266.0
3737.8	37.5°	3623.7	3379.1	1850.0	873.5	474.5	330.4	270.3	238.5	225.7	226.5
4105.9	40°	3972.9	3647.7	1838.9	815.2	435.9	289.2	234.3	208.5	199.1	195.6
4493.8	42.5°	4345.3	3907.7	1840.6	749.1	387.9	252.3	209.4	187.9	179.3	176.8
4925.4	45°	4719.5	4155.7	1843.2	680.5	337.2	224.0	191.4	173.3	168.2	164.8
5363.0	47.5°	5071.3	4366.8	1795.1	606.7	287.5	202.5	176.8	164.8	160.5	156.2
5802.4	50°	5399.1	4507.5	1679.3	520.9	248.0	185.3	165.6	157.0	152.7	148.4
6200.5	52.5°	5653.9	4529.8	1487.9	432.5	220.5	172.5	158.7	151.0	145.9	141.6
6522.3	55°	5767.2	4389.9	1215.9	350.1	199.1	161.3	151.9	144.2	138.2	133.9
6775.4	57.5°	5738.0	4095.6	948.2	281.5	178.5	150.2	143.3	138.2	131.3	124.4
6980.5	60°	5594.7	3701.8	714.8	234.3	159.6	138.2	133.9	129.6	120.1	109.8
7059.4	62.5°	5346.7	3206.7	509.7	193.9	139.0	124.4	122.7	119.3	105.5	86.7
6942.7	65°	4967.4	2605.1	343.2	161.3	119.3	109.0	109.8	103.8	85.8	64.4
6515.4	67.5°	4413.1	1904.9	219.7	132.1	99.5	91.0	91.8	88.4	72.9	54.9
5705.4	70°	3706.9	1261.4	143.3	100.4	79.8	70.4	75.5	76.4	61.8	44.6
4378.8	72.5°	2717.5	744.8	100.4	74.7	58.3	48.9	61.8	63.5	49.8	33.5
2634.3	75°	1548.8	353.5	75.5	54.1	36.0	34.3	48.1	48.1	34.3	22.3
1140.4	77.5°	650.4	147.6	53.2	35.2	20.6	19.7	32.6	30.0	17.2	10.3
278.0	80°	187.9	66.1	28.3	17.2	8.6	7.7	12.9	9.4	4.3	1.7
105.5	82.5°	73.8	29.2	11.2	6.9	3.4	3.4	1.7	0.0	0.0	0.0
60.1	85°	43.8	12.0	5.1	2.6	0.9	0.0	0.0	0.0	0.0	0.0
12.9	87.5°	11.2	2.6	1.7	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°
1488.8
1478.5
1415.0
1233.9
979.9
764.6
640.1
553.5
498.5
459.1
419.6
379.3
341.5
308.9
266.0
230.0
194.8
175.9
164.8
156.2
148.4
140.7
133.0
123.6
108.1
85.0
62.6
52.3
42.9
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