

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: P848417

Luminaire Tested: **GLAN-SB5A-722-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848417  
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-SB5A-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

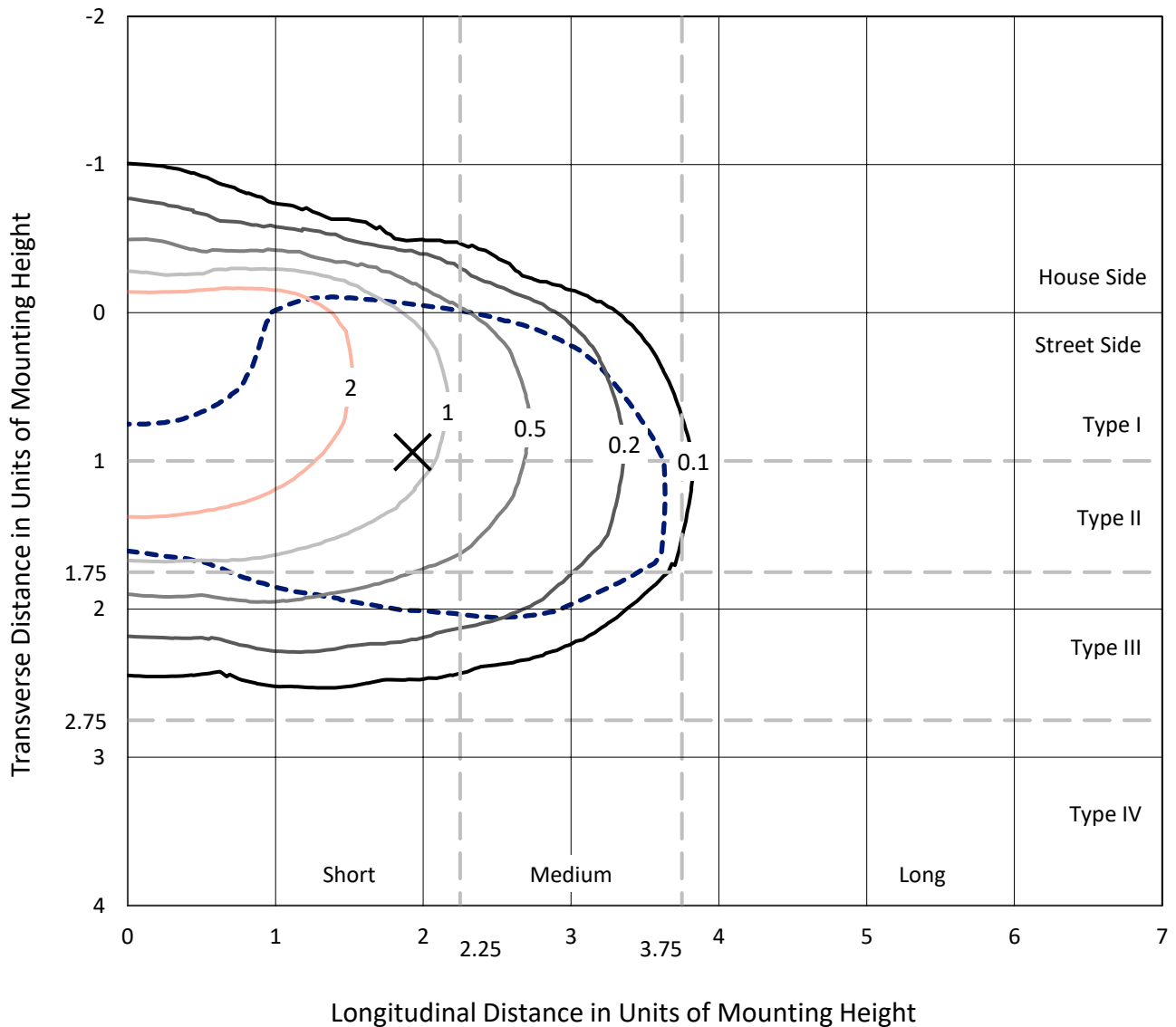
Lumens per Lamp: N/A  
Luminaire Lumens: 13897 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

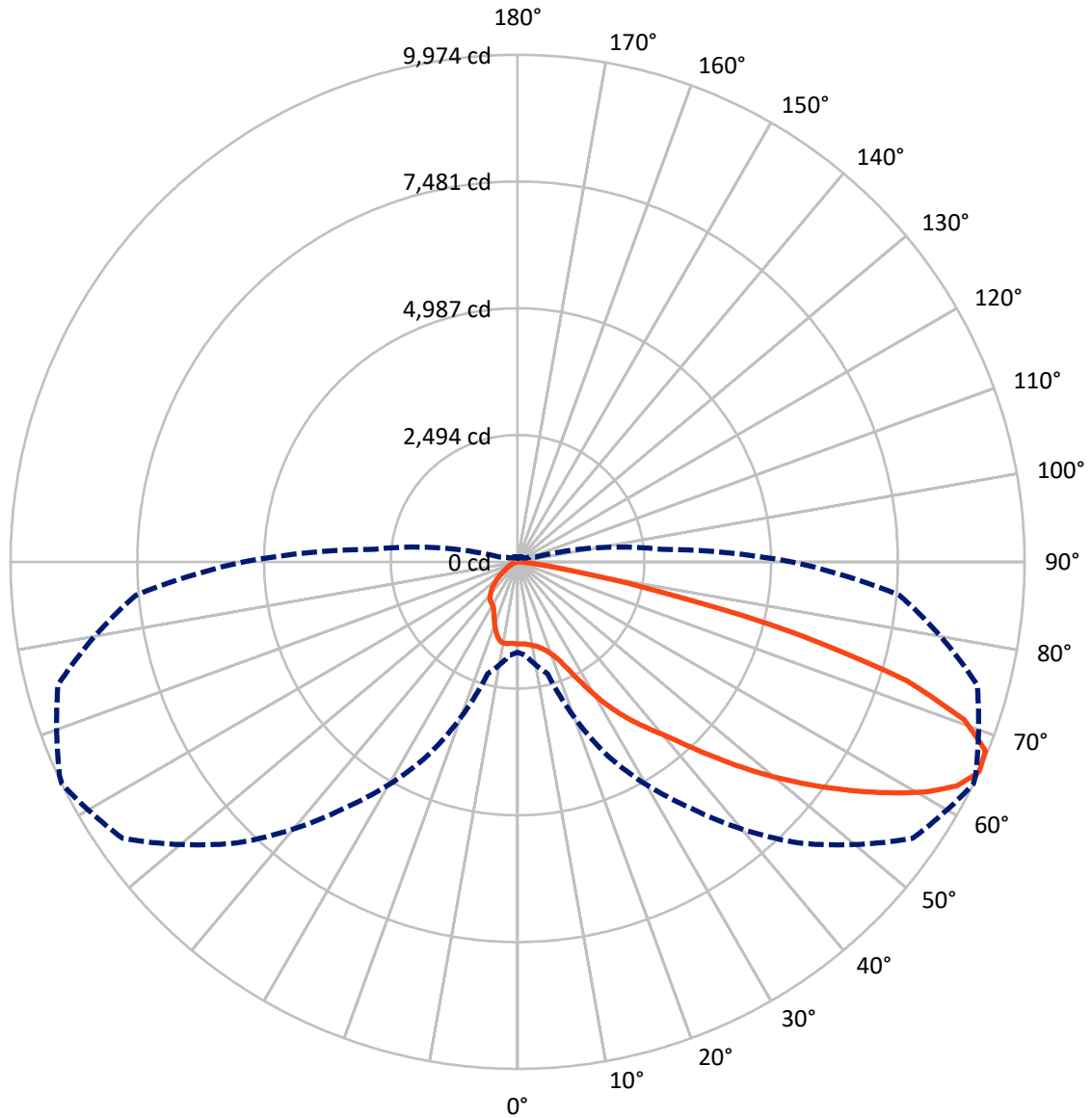
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	1858.4	0.0	1858.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	12038.5	0.0	12038.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	13897.0	0.0	13897.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	1.1
10°-20°	404.5	2.9
20°-30°	766.4	5.5
30°-40°	1550.9	11.2
40°-50°	2642.0	19.0
50°-60°	3592.9	25.9
60°-70°	3373.9	24.3
70°-80°	1351.7	9.7
80°-90°	65.5	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°	13897.0	100.0
0°-180°	13897.0	100.0

**Coefficient of Utilization**



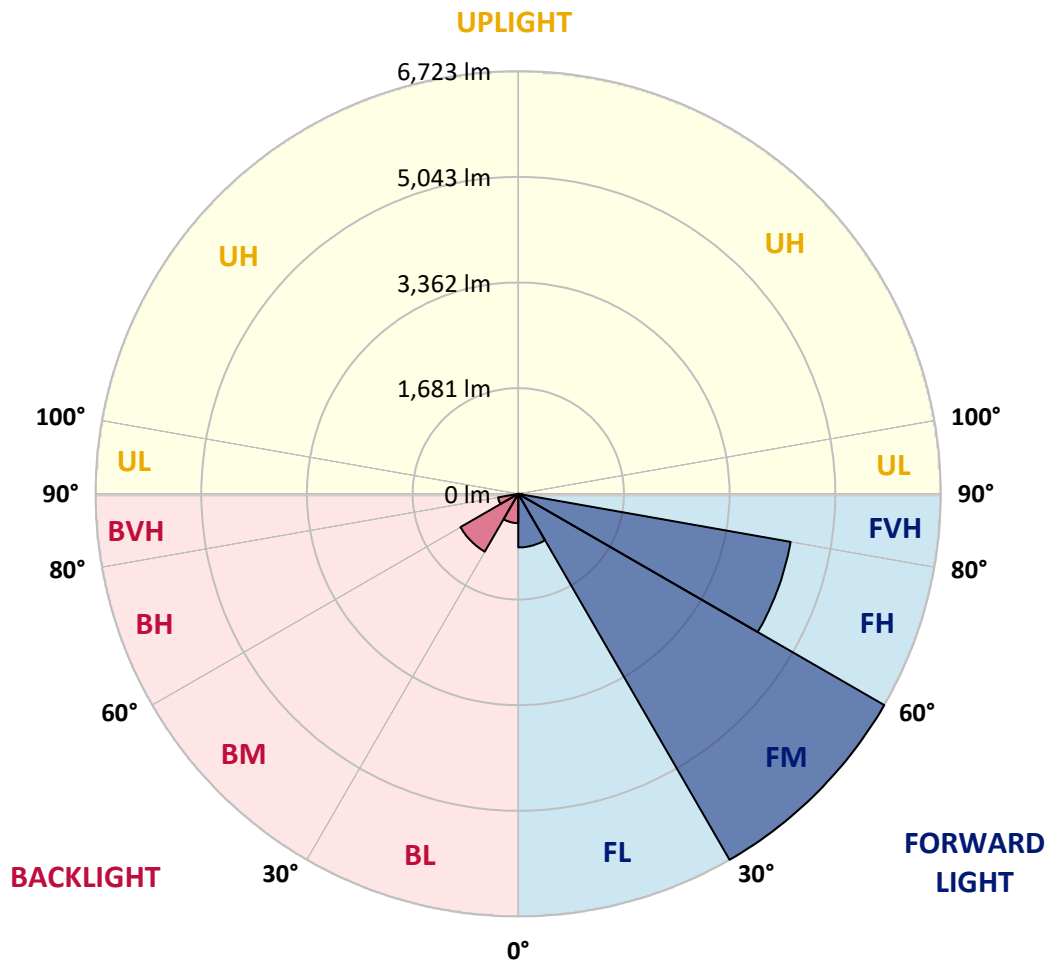
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.4	6.1			
FM (30°-60°)	6723.3	48.4			
FH (60°-80°)	4399.5	31.7			G2/5000
FVH (80°-90°)	62.3	0.4			G1/100
BL (0°-30°)	466.6	3.4	B1/500		
BM (30°-60°)	1062.5	7.6	B2/2500		
BH (60°-80°)	326.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4
2.5°	1610.8	1622.0	1619.2	1616.4	1615.4	1617.3	1618.2	1617.3	1617.3	1617.3
5°	1580.0	1589.3	1589.3	1595.9	1605.2	1616.4	1624.8	1626.6	1628.5	1631.3
7.5°	1521.3	1528.8	1534.4	1555.8	1579.1	1608.9	1634.1	1647.1	1649.0	1659.2
10°	1481.3	1490.6	1499.9	1522.3	1555.8	1600.5	1643.4	1675.1	1679.7	1703.9
12.5°	1479.4	1488.7	1500.8	1525.1	1564.2	1611.7	1663.9	1709.5	1717.9	1753.3
15°	1499.0	1510.2	1521.3	1551.2	1593.1	1650.8	1706.7	1763.6	1771.9	1822.3
17.5°	1539.0	1553.9	1562.3	1592.1	1636.9	1701.1	1774.7	1840.0	1847.4	1906.1
20°	1618.2	1635.9	1638.7	1662.9	1706.7	1775.7	1863.2	1944.3	1953.6	2020.7
22.5°	1782.2	1807.3	1785.0	1797.1	1836.2	1905.2	2000.2	2102.7	2115.7	2192.1
25°	2071.0	2106.4	2048.6	2028.1	2044.9	2116.6	2235.9	2365.4	2380.3	2441.8
27.5°	2638.4	2592.7	2505.1	2419.4	2369.1	2410.1	2544.3	2704.5	2723.1	2782.8
30°	3261.6	3221.6	3103.2	2913.2	2793.9	2787.4	2911.3	3090.2	3111.6	3168.4
32.5°	3885.8	3847.6	3719.0	3485.2	3278.4	3175.9	3261.6	3460.0	3471.2	3507.6
35°	4499.7	4460.6	4332.0	4092.6	3838.3	3605.4	3588.6	3812.2	3815.9	3854.1
37.5°	5117.4	5084.8	4947.8	4713.1	4462.5	4141.1	3985.5	4145.7	4150.4	4187.6
40°	5558.1	5572.0	5477.9	5296.3	5081.1	4729.8	4430.8	4500.7	4472.7	4535.1
42.5°	5936.3	5964.2	5882.3	5791.0	5666.1	5356.8	4982.3	4970.2	4925.5	4959.0
45°	6263.3	6286.6	6213.0	6191.6	6188.8	5971.7	5585.1	5512.4	5450.0	5443.5
47.5°	6383.5	6428.2	6459.9	6531.6	6671.4	6580.1	6208.3	6095.6	6025.7	5974.5
50°	6429.1	6476.6	6584.7	6793.4	7124.1	7163.2	6828.8	6702.1	6616.4	6523.2
52.5°	6367.6	6452.4	6597.8	6949.0	7428.8	7630.9	7424.1	7313.2	7215.4	7063.6
55°	6005.2	6090.0	6387.2	6947.1	7580.6	7958.9	7986.8	7937.4	7827.5	7588.1
57.5°	5241.3	5367.1	5837.5	6710.5	7577.8	8241.1	8538.3	8573.7	8450.7	8107.9
60°	4183.0	4353.5	4927.4	6186.0	7344.0	8393.9	9021.8	9198.8	9068.4	8620.3
62.5°	2918.8	3116.3	3659.4	5364.3	6809.2	8284.0	9374.9	9701.9	9603.2	9078.7
65°	1780.3	1843.7	2281.5	4221.2	5900.0	7823.8	9483.9	9974.0	9941.3	9359.1
67.5°	1186.0	1239.1	1364.8	2894.6	4579.9	6904.3	9223.1	9926.4	9935.8	9313.4
70°	714.6	760.2	842.2	1683.4	2968.1	5464.9	8415.3	9320.9	9374.9	8703.2
72.5°	294.4	325.1	399.7	763.0	1537.2	3468.4	6701.2	8002.6	8128.4	7317.9
75°	166.8	182.6	234.8	382.9	667.0	1616.4	4059.1	5681.0	5866.4	5043.8
77.5°	110.9	118.3	151.9	247.8	375.4	551.5	1734.7	2959.8	3313.8	2754.8
80°	74.5	81.1	104.3	165.8	244.1	236.6	552.5	1096.5	1349.0	946.5
82.5°	50.3	51.2	74.5	109.0	154.6	114.6	163.0	341.0	428.5	273.9
85°	28.9	27.9	55.0	63.4	68.9	47.5	49.4	102.5	134.2	115.5
87.5°	3.7	5.6	21.4	16.8	9.3	10.2	10.2	17.7	26.1	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848417  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1616.4	0°	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4	1616.4
1618.2	2.5°	1618.2	1617.3	1614.5	1611.7	1605.2	1601.5	1603.3	1601.5	1600.5	1601.5
1630.3	5°	1630.3	1627.5	1620.1	1610.8	1597.7	1581.9	1571.6	1556.7	1542.8	1534.4
1662.9	7.5°	1662.9	1660.2	1649.9	1623.8	1581.9	1515.8	1455.2	1402.1	1362.0	1338.7
1715.1	10°	1715.1	1710.5	1694.6	1636.9	1526.9	1382.5	1262.3	1162.7	1097.5	1066.7
1776.6	12.5°	1776.6	1771.0	1743.1	1624.8	1422.6	1197.1	1031.3	920.4	859.9	832.9
1847.4	15°	1849.3	1841.8	1786.9	1567.0	1270.7	992.2	840.3	757.4	718.3	694.1
1937.8	17.5°	1939.6	1926.6	1819.5	1480.3	1105.8	835.7	722.9	660.5	626.1	602.8
2056.1	20°	2057.0	2035.6	1845.5	1376.9	954.0	736.9	643.8	591.6	565.5	545.0
2223.8	22.5°	2221.0	2190.2	1877.2	1265.1	846.8	668.9	585.1	546.9	525.4	502.1
2457.6	25°	2424.1	2387.7	1916.3	1161.7	773.2	610.2	542.2	510.5	485.4	458.4
2764.1	27.5°	2708.2	2643.0	1962.9	1077.0	709.9	559.9	503.1	467.7	438.8	416.4
3111.6	30°	3025.0	2917.8	2003.9	1025.7	652.1	513.3	451.8	416.4	389.4	373.6
3423.7	32.5°	3325.0	3179.6	2030.9	1003.4	600.0	460.2	395.9	357.7	337.2	332.6
3729.3	35°	3608.2	3416.3	2028.1	981.9	553.4	407.1	341.0	301.8	286.0	288.8
4058.1	37.5°	3934.2	3668.7	2008.6	948.4	515.2	358.7	293.5	259.0	245.0	245.9
4457.8	40°	4313.4	3960.3	1996.5	885.0	473.3	314.0	254.3	226.4	216.1	212.4
4878.9	42.5°	4717.7	4242.6	1998.3	813.3	421.1	273.9	227.3	204.0	194.7	191.9
5347.5	45°	5123.9	4511.8	2001.1	738.8	366.1	243.2	207.8	188.2	182.6	178.9
5822.6	47.5°	5505.9	4741.0	1949.0	658.7	312.1	219.9	191.9	178.9	174.2	169.6
6299.6	50°	5861.8	4893.8	1823.2	565.5	269.2	201.2	179.8	170.5	165.8	161.2
6731.9	52.5°	6138.5	4918.0	1615.4	469.5	239.4	187.3	172.4	164.0	158.4	153.7
7081.3	55°	6261.4	4766.2	1320.1	380.1	216.1	175.1	164.9	156.5	150.0	145.3
7356.1	57.5°	6229.8	4446.6	1029.4	305.6	193.8	163.0	155.6	150.0	142.5	135.1
7578.8	60°	6074.2	4019.0	776.0	254.3	173.3	150.0	145.3	140.7	130.4	119.2
7664.5	62.5°	5804.9	3481.5	553.4	210.5	150.9	135.1	133.2	129.5	114.6	94.1
7537.8	65°	5393.2	2828.4	372.6	175.1	129.5	118.3	119.2	112.7	93.2	69.9
7073.8	67.5°	4791.3	2068.2	238.5	143.5	108.1	98.8	99.7	96.0	79.2	59.6
6194.4	70°	4024.6	1369.5	155.6	109.0	86.6	76.4	82.0	82.9	67.1	48.4
4754.1	72.5°	2950.4	808.6	109.0	81.1	63.4	53.1	67.1	68.9	54.0	36.3
2860.1	75°	1681.6	383.8	82.0	58.7	39.1	37.3	52.2	52.2	37.3	24.2
1238.1	77.5°	706.2	160.2	57.8	38.2	22.4	21.4	35.4	32.6	18.6	11.2
301.8	80°	204.0	71.7	30.7	18.6	9.3	8.4	14.0	10.2	4.7	1.9
114.6	82.5°	80.1	31.7	12.1	7.5	3.7	3.7	1.9	0.0	0.0	0.0
65.2	85°	47.5	13.0	5.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
14.0	87.5°	12.1	2.8	1.9	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°
1616.4
1605.2
1536.2
1339.7
1063.9
830.1
695.0
600.9
541.3
498.4
455.6
411.8
370.8
335.4
288.8
249.7
211.5
191.0
178.9
169.6
161.2
152.8
144.4
134.2
117.4
92.2
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56.8
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