

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: P847467

Luminaire Tested: **GLAN-SB3C-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847467  
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-SB3C-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 615mA 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: 14051 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

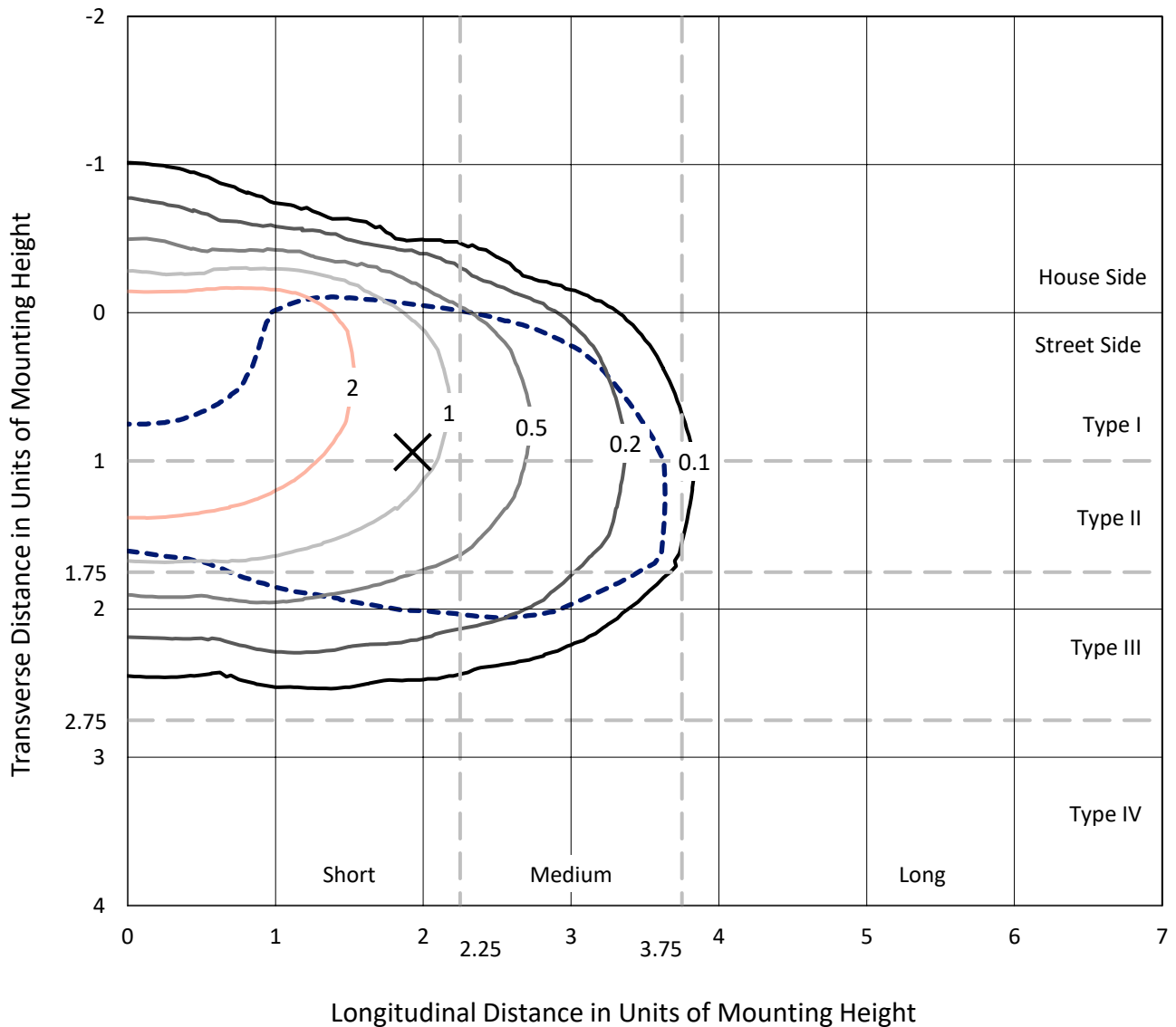
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

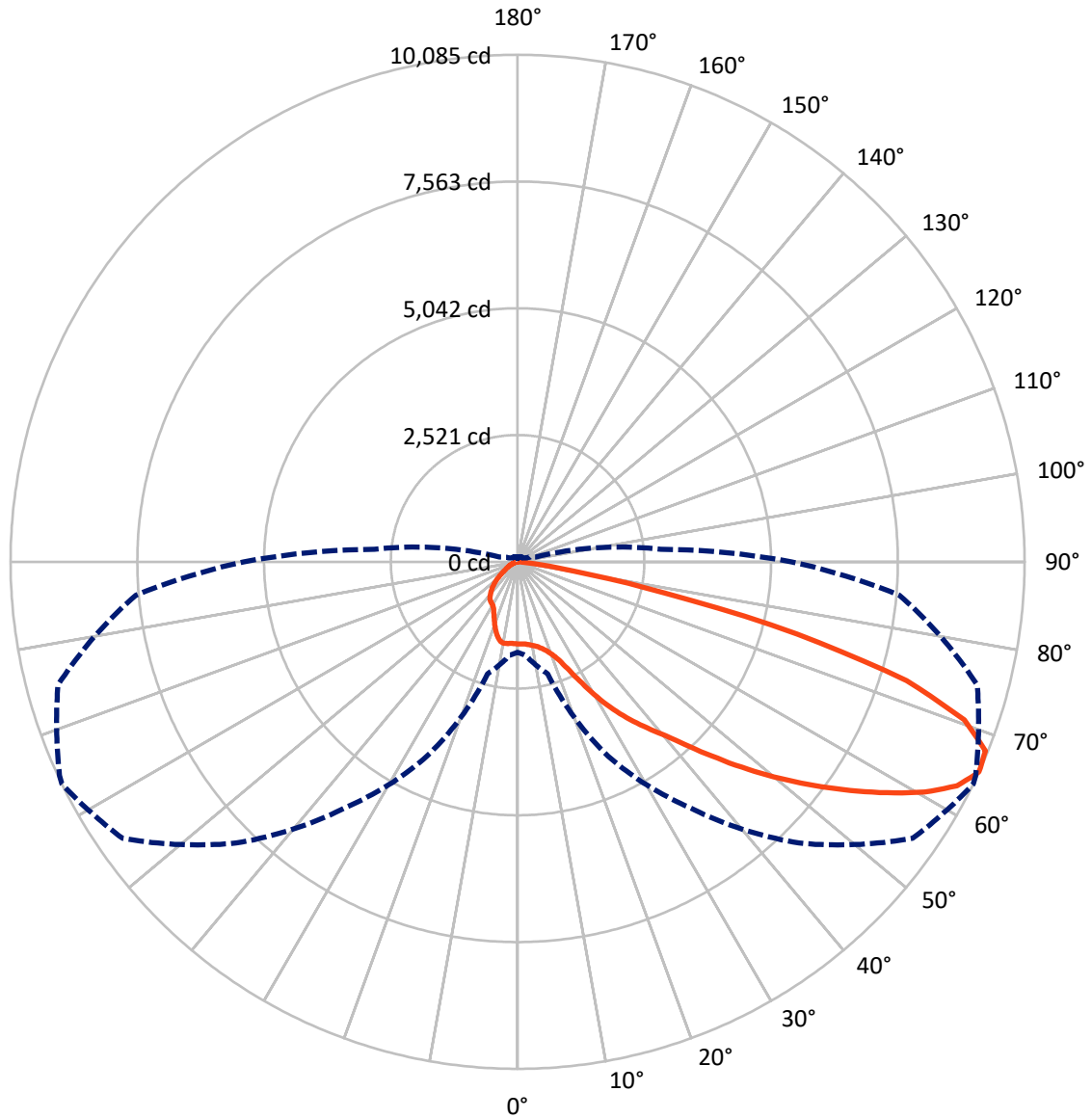
✕ Max cd  
 - - - 1/2 Max cd



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	1879.0	0.0	1879.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	12172.0	0.0	12172.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	14051.0	0.0	14051.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.8	1.1
10°-20°	409.0	2.9
20°-30°	774.9	5.5
30°-40°	1568.1	11.2
40°-50°	2671.3	19.0
50°-60°	3632.7	25.9
60°-70°	3411.3	24.3
70°-80°	1366.7	9.7
80°-90°	66.2	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°	14051.0	100.0
0°-180°	14051.0	100.0

**Coefficient of Utilization**



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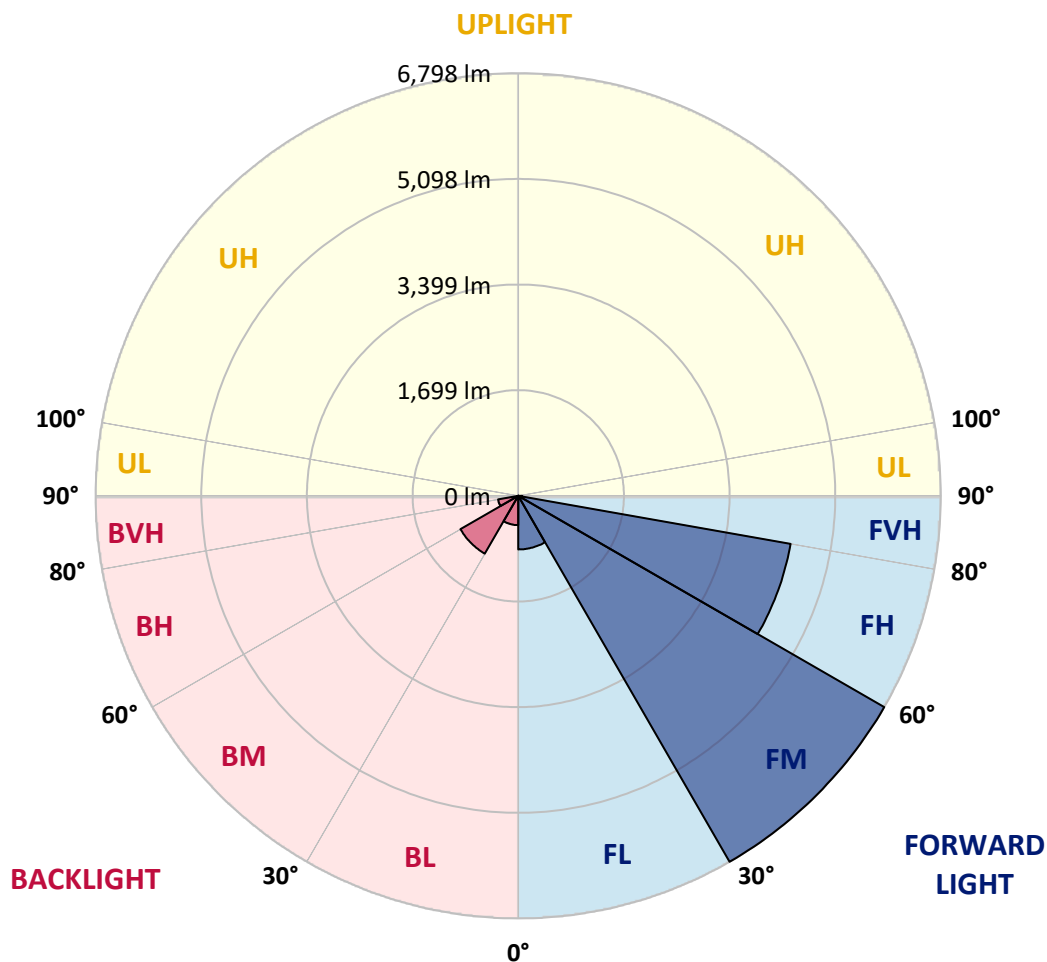
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.9	6.1			
FM (30°-60°)	6797.9	48.4			
FH (60°-80°)	4448.2	31.7			G2/5000
FVH (80°-90°)	63.0	0.4			G1/100
BL (0°-30°)	471.8	3.4	B1/500		
BM (30°-60°)	1074.2	7.6	B2/2500		
BH (60°-80°)	329.8	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°	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3
2.5°	1628.6	1639.9	1637.1	1634.3	1633.3	1635.2	1636.2	1635.2	1635.2	1635.2
5°	1597.5	1607.0	1607.0	1613.6	1623.0	1634.3	1642.8	1644.6	1646.5	1649.3
7.5°	1538.2	1545.7	1551.4	1573.1	1596.6	1626.7	1652.2	1665.4	1667.2	1677.6
10°	1497.7	1507.1	1516.5	1539.1	1573.1	1618.3	1661.6	1693.6	1698.3	1722.8
12.5°	1495.8	1505.2	1517.5	1542.0	1581.5	1629.6	1682.3	1728.5	1736.9	1772.7
15°	1515.6	1526.9	1538.2	1568.3	1610.7	1669.1	1725.6	1783.1	1791.6	1842.4
17.5°	1556.1	1571.2	1579.6	1609.8	1655.0	1720.0	1794.4	1860.3	1867.9	1927.2
20°	1636.2	1654.1	1656.9	1681.4	1725.6	1795.4	1883.9	1965.8	1975.3	2043.1
22.5°	1801.9	1827.4	1804.8	1817.0	1856.6	1926.3	2022.4	2126.0	2139.2	2216.4
25°	2093.9	2129.7	2071.3	2050.6	2067.6	2140.1	2260.7	2391.6	2406.7	2468.8
27.5°	2667.6	2621.4	2532.9	2446.2	2395.4	2436.8	2572.5	2734.5	2753.3	2813.6
30°	3297.8	3257.3	3137.6	2945.5	2824.9	2818.3	2943.6	3124.4	3146.1	3203.6
32.5°	3928.9	3890.2	3760.3	3523.8	3314.7	3211.1	3297.8	3498.4	3509.7	3546.4
35°	4549.6	4510.0	4380.1	4138.0	3880.8	3645.3	3628.4	3854.4	3858.2	3896.8
37.5°	5174.1	5141.1	5002.7	4765.3	4511.9	4187.0	4029.6	4191.7	4196.4	4234.0
40°	5619.7	5633.8	5538.6	5355.0	5137.4	4782.3	4479.9	4550.5	4522.3	4585.4
42.5°	6002.1	6030.3	5947.5	5855.1	5728.9	5416.2	5037.5	5025.3	4980.1	5014.0
45°	6332.7	6356.3	6281.8	6260.2	6257.4	6037.9	5647.0	5573.5	5510.4	5503.8
47.5°	6454.2	6499.4	6531.5	6604.0	6745.3	6653.0	6277.1	6163.2	6092.5	6040.7
50°	6500.4	6548.4	6657.7	6868.7	7203.1	7242.6	6904.5	6776.4	6689.7	6595.5
52.5°	6438.2	6523.9	6670.9	7026.0	7511.1	7715.5	7506.4	7394.3	7295.4	7141.8
55°	6071.8	6157.5	6458.0	7024.1	7664.6	8047.0	8075.3	8025.4	7914.2	7672.2
57.5°	5299.4	5426.6	5902.2	6784.8	7661.8	8332.5	8632.9	8668.7	8544.4	8197.8
60°	4229.3	4401.7	4982.0	6254.5	7425.4	8486.9	9121.8	9300.8	9168.9	8715.8
62.5°	2951.1	3150.8	3700.0	5423.7	6884.7	8375.8	9478.8	9809.4	9709.6	9179.3
65°	1800.1	1864.1	2306.8	4268.0	5965.3	7910.5	9589.0	10084.5	10051.5	9462.8
67.5°	1199.1	1252.8	1380.0	2926.6	4630.6	6980.8	9325.3	10036.4	10045.9	9416.6
70°	722.5	768.6	851.5	1702.1	3001.0	5525.5	8508.6	9424.2	9478.8	8799.7
72.5°	297.7	328.7	404.1	771.5	1554.2	3506.9	6775.4	8091.3	8218.5	7399.0
75°	168.6	184.6	237.4	387.1	674.4	1634.3	4104.1	5744.0	5931.4	5099.7
77.5°	112.1	119.6	153.5	250.6	379.6	557.6	1753.9	2992.6	3350.5	2785.3
80°	75.4	81.9	105.5	167.7	246.8	239.3	558.6	1108.7	1363.9	957.0
82.5°	50.9	51.8	75.4	110.2	156.4	115.9	164.8	344.8	433.3	276.9
85°	29.2	28.3	55.6	64.1	69.7	48.0	49.9	103.6	135.6	116.8
87.5°	3.8	5.7	21.7	17.0	9.4	10.4	10.4	17.9	26.4	28.3
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°
1634.3	0°	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3	1634.3
1636.2	2.5°	1636.2	1635.2	1632.4	1629.6	1623.0	1619.2	1621.1	1619.2	1618.3	1619.2
1648.4	5°	1648.4	1645.6	1638.0	1628.6	1615.4	1599.4	1589.1	1574.0	1559.9	1551.4
1681.4	7.5°	1681.4	1678.5	1668.2	1641.8	1599.4	1532.5	1471.3	1417.6	1377.1	1353.6
1734.1	10°	1734.1	1729.4	1713.4	1655.0	1543.9	1397.8	1276.3	1175.5	1109.6	1078.5
1796.3	12.5°	1796.3	1790.6	1762.4	1642.8	1438.4	1210.4	1042.7	930.6	869.4	842.1
1867.9	15°	1869.8	1862.2	1806.7	1584.4	1284.8	1003.2	849.6	765.8	726.2	701.8
1959.2	17.5°	1961.1	1947.9	1839.6	1496.8	1118.1	844.9	731.0	667.8	633.0	609.4
2078.9	20°	2079.8	2058.2	1866.0	1392.2	964.6	745.1	650.9	598.1	571.8	551.0
2248.4	22.5°	2245.6	2214.5	1898.0	1279.2	856.2	676.3	591.5	552.9	531.3	507.7
2484.9	25°	2450.9	2414.2	1937.6	1174.6	781.8	617.0	548.2	516.2	490.8	463.4
2794.8	27.5°	2738.2	2672.3	1984.7	1088.9	717.8	566.1	508.7	472.9	443.7	421.1
3146.1	30°	3058.5	2950.2	2026.1	1037.1	659.4	519.0	456.8	421.1	393.7	377.7
3461.7	32.5°	3361.8	3214.9	2053.4	1014.5	606.6	465.3	400.3	361.7	341.0	336.3
3770.6	35°	3648.2	3454.1	2050.6	992.8	559.5	411.6	344.8	305.2	289.2	292.0
4103.1	37.5°	3977.8	3709.4	2030.8	958.9	520.9	362.6	296.7	261.9	247.7	248.7
4507.2	40°	4361.2	4004.2	2018.6	894.8	478.5	317.4	257.2	228.9	218.5	214.8
4933.0	42.5°	4770.0	4289.6	2020.5	822.3	425.8	276.9	229.8	206.3	196.9	194.0
5406.8	45°	5180.7	4561.8	2023.3	747.0	370.2	245.8	210.1	190.3	184.6	180.9
5887.2	47.5°	5566.9	4793.6	1970.6	666.0	315.6	222.3	194.0	180.9	176.1	171.4
6369.4	50°	5926.7	4948.0	1843.4	571.8	272.2	203.5	181.8	172.4	167.7	163.0
6806.5	52.5°	6206.5	4972.5	1633.3	474.7	242.1	189.3	174.3	165.8	160.1	155.4
7159.7	55°	6330.8	4819.0	1334.7	384.3	218.5	177.1	166.7	158.2	151.7	146.9
7437.6	57.5°	6298.8	4495.9	1040.9	309.0	195.9	164.8	157.3	151.7	144.1	136.6
7662.7	60°	6141.5	4063.6	784.6	257.2	175.2	151.7	146.9	142.2	131.9	120.6
7749.4	62.5°	5869.3	3520.1	559.5	212.9	152.6	136.6	134.7	130.9	115.9	95.1
7621.3	65°	5452.9	2859.7	376.8	177.1	130.9	119.6	120.6	114.0	94.2	70.6
7152.2	67.5°	4844.4	2091.1	241.1	145.1	109.3	99.8	100.8	97.0	80.1	60.3
6263.0	70°	4069.2	1384.7	157.3	110.2	87.6	77.2	82.9	83.8	67.8	49.0
4806.8	72.5°	2983.1	817.6	110.2	81.9	64.1	53.7	67.8	69.7	54.6	36.7
2891.8	75°	1700.2	388.1	82.9	59.3	39.6	37.7	52.7	52.7	37.7	24.5
1251.8	77.5°	714.0	162.0	58.4	38.6	22.6	21.7	35.8	33.0	18.8	11.3
305.2	80°	206.3	72.5	31.1	18.8	9.4	8.5	14.1	10.4	4.7	1.9
115.9	82.5°	81.0	32.0	12.2	7.5	3.8	3.8	1.9	0.0	0.0	0.0
65.9	85°	48.0	13.2	5.7	2.8	0.9	0.0	0.0	0.0	0.0	0.0
14.1	87.5°	12.2	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°
1634.3
1623.0
1553.3
1354.5
1075.7
839.3
702.7
607.6
547.3
503.9
460.6
416.3
374.9
339.1
292.0
252.4
213.8
193.1
180.9
171.4
163.0
154.5
146.0
135.6
118.7
93.3
68.8
57.5
47.1
34.9
22.6
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