

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: P847977

Luminaire Tested: **GLAN-SB4B-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847977  
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-SB4B-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 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: 14112 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

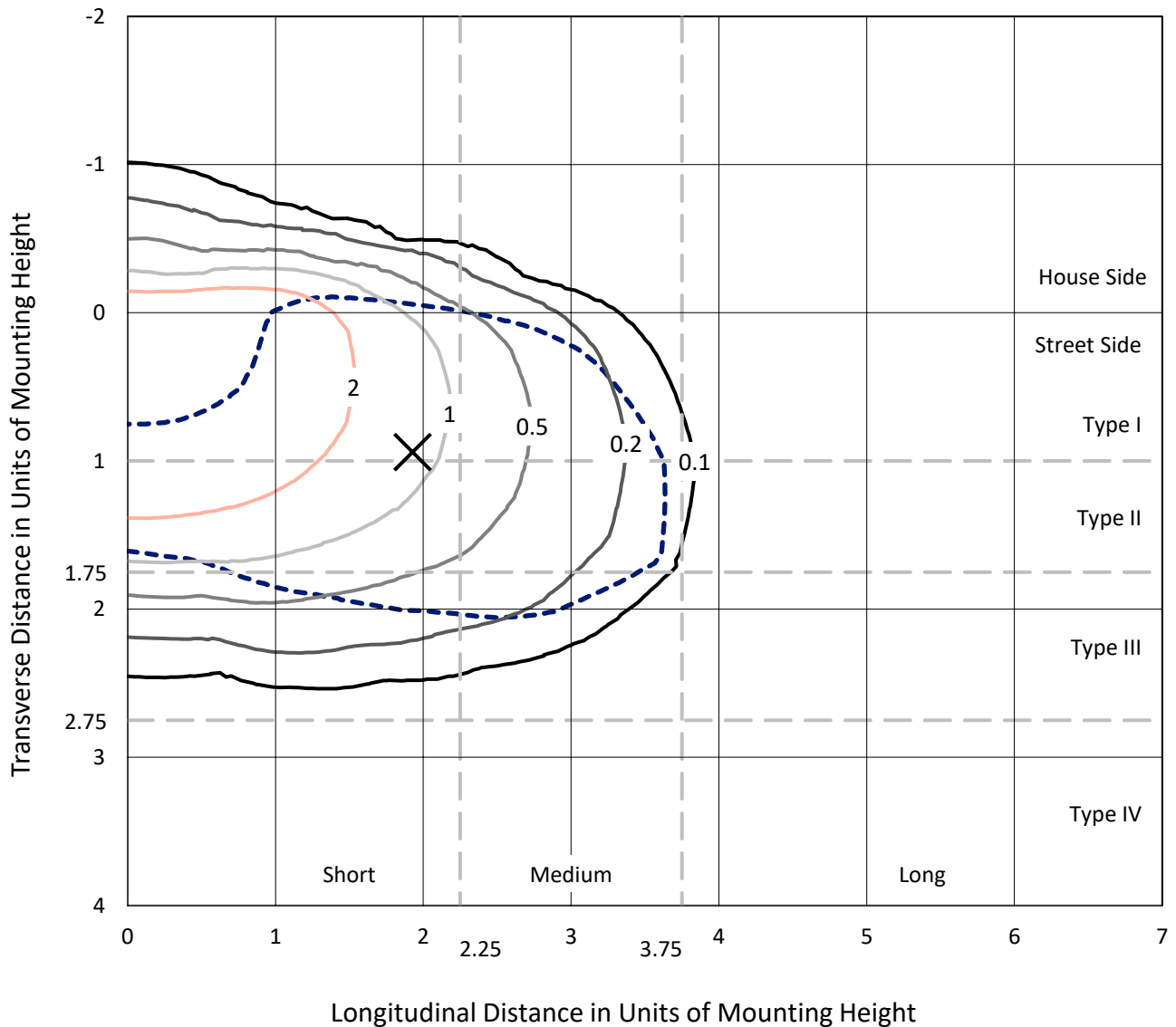
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

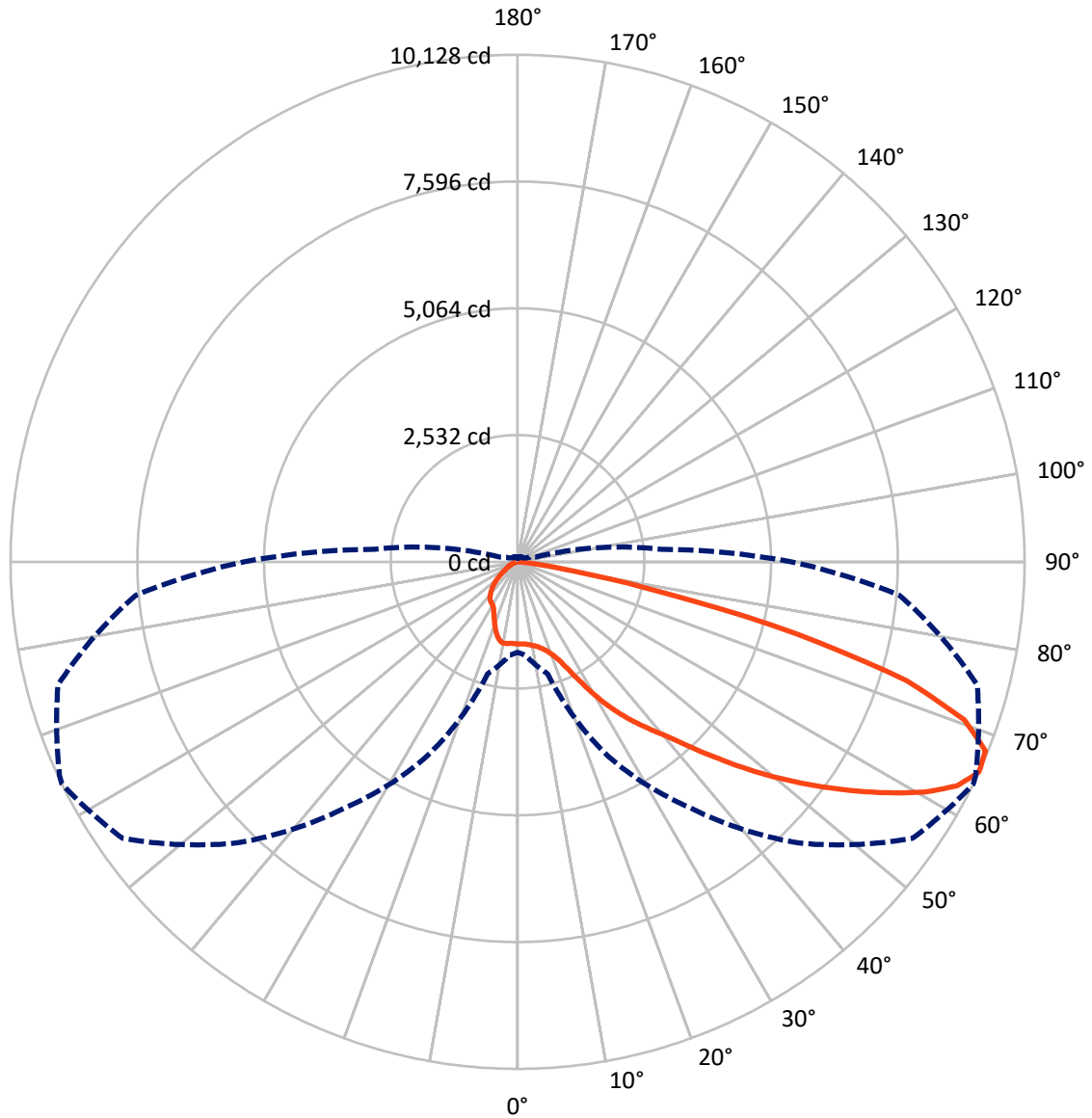
✕ Max cd  
 - - - 1/2 Max cd



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	1887.2	0.0	1887.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	12224.8	0.0	12224.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	14112.0	0.0	14112.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	1.1
10°-20°	410.7	2.9
20°-30°	778.3	5.5
30°-40°	1574.9	11.2
40°-50°	2682.9	19.0
50°-60°	3648.5	25.9
60°-70°	3426.1	24.3
70°-80°	1372.7	9.7
80°-90°	66.5	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°	14112.0	100.0
0°-180°	14112.0	100.0

**Coefficient of Utilization**



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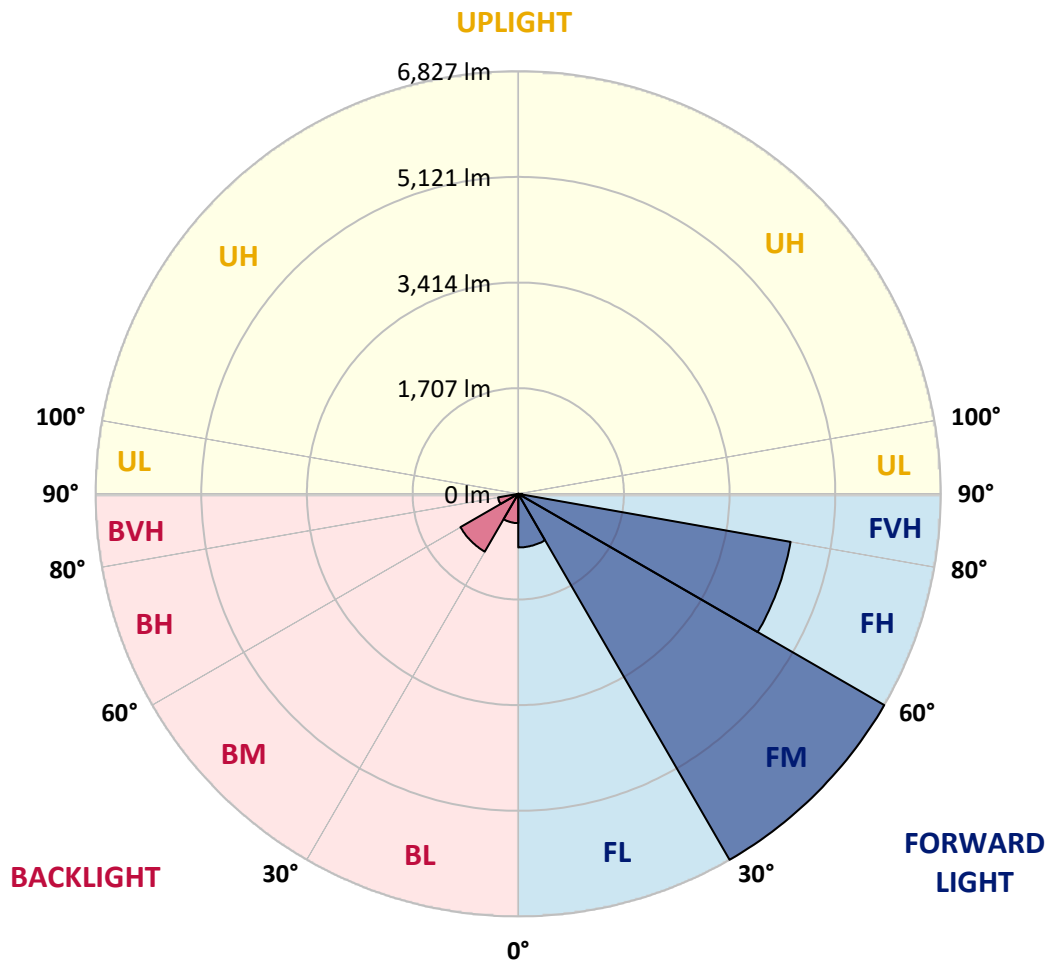
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.6	6.1			
FM (30°-60°)	6827.4	48.4			
FH (60°-80°)	4467.5	31.7			G2/5000
FVH (80°-90°)	63.3	0.4			G1/100
BL (0°-30°)	473.8	3.4	B1/500		
BM (30°-60°)	1078.9	7.6	B2/2500		
BH (60°-80°)	331.2	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°	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4
2.5°	1635.7	1647.0	1644.2	1641.4	1640.4	1642.3	1643.3	1642.3	1642.3	1642.3
5°	1604.5	1613.9	1613.9	1620.6	1630.0	1641.4	1649.9	1651.8	1653.7	1656.5
7.5°	1544.9	1552.4	1558.1	1579.9	1603.5	1633.8	1659.3	1672.6	1674.5	1684.9
10°	1504.2	1513.7	1523.1	1545.8	1579.9	1625.3	1668.8	1701.0	1705.7	1730.3
12.5°	1502.3	1511.8	1524.1	1548.7	1588.4	1636.6	1689.6	1736.0	1744.5	1780.4
15°	1522.2	1533.5	1544.9	1575.1	1617.7	1676.4	1733.1	1790.8	1799.4	1850.4
17.5°	1562.9	1578.0	1586.5	1616.8	1662.2	1727.5	1802.2	1868.4	1876.0	1935.6
20°	1643.3	1661.2	1664.1	1688.7	1733.1	1803.1	1892.1	1974.4	1983.8	2052.0
22.5°	1809.8	1835.3	1812.6	1824.9	1864.6	1934.6	2031.1	2135.2	2148.4	2226.0
25°	2103.0	2139.0	2080.3	2059.5	2076.5	2149.4	2270.5	2402.0	2417.1	2479.6
27.5°	2679.2	2632.8	2543.9	2456.9	2405.8	2447.4	2583.6	2746.3	2765.3	2825.8
30°	3312.1	3271.4	3151.2	2958.3	2837.2	2830.5	2956.4	3138.0	3159.8	3217.5
32.5°	3945.9	3907.1	3776.6	3539.1	3329.1	3225.0	3312.1	3513.6	3524.9	3561.8
35°	4569.4	4529.6	4399.1	4155.9	3897.7	3661.2	3644.1	3871.2	3875.0	3913.8
37.5°	5196.6	5163.5	5024.4	4786.0	4531.5	4205.1	4047.1	4209.9	4214.6	4252.4
40°	5644.0	5658.2	5562.7	5378.2	5159.7	4803.0	4499.3	4570.3	4541.9	4605.3
42.5°	6028.1	6056.5	5973.3	5880.6	5753.8	5439.7	5059.4	5047.1	5001.7	5035.7
45°	6360.2	6383.8	6309.1	6287.4	6284.5	6064.1	5671.5	5597.7	5534.3	5527.7
47.5°	6482.2	6527.6	6559.8	6632.7	6774.6	6681.9	6304.4	6189.9	6119.0	6066.9
50°	6528.6	6576.8	6686.6	6898.5	7234.3	7274.1	6934.4	6805.8	6718.7	6624.1
52.5°	6466.2	6552.2	6699.8	7056.5	7543.7	7749.0	7539.0	7426.4	7327.0	7172.8
55°	6098.1	6184.2	6486.0	7054.6	7697.9	8082.0	8110.4	8060.2	7948.6	7705.5
57.5°	5322.4	5450.1	5927.9	6814.3	7695.1	8368.6	8670.4	8706.4	8581.5	8233.3
60°	4247.7	4420.8	5003.6	6281.7	7457.6	8523.8	9161.4	9341.2	9208.7	8753.7
62.5°	2963.9	3164.5	3716.0	5447.3	6914.6	8412.2	9520.0	9852.0	9751.7	9219.1
65°	1807.9	1872.2	2316.8	4286.5	5991.2	7944.8	9630.6	10128.3	10095.1	9503.9
67.5°	1204.3	1258.2	1385.9	2939.3	4650.7	7011.1	9365.8	10080.0	10089.5	9457.5
70°	725.6	772.0	855.2	1709.5	3014.1	5549.4	8545.5	9465.1	9520.0	8837.9
72.5°	298.9	330.2	405.8	774.8	1561.0	3522.1	6804.8	8126.4	8254.2	7431.1
75°	169.3	185.4	238.4	388.8	677.4	1641.4	4121.9	5768.9	5957.2	5121.8
77.5°	112.6	120.1	154.2	251.6	381.3	560.1	1761.5	3005.6	3365.0	2797.4
80°	75.7	82.3	106.0	168.4	247.9	240.3	561.0	1113.5	1369.9	961.2
82.5°	51.1	52.0	75.7	110.7	157.0	116.4	165.6	346.2	435.2	278.1
85°	29.3	28.4	55.8	64.3	70.0	48.2	50.1	104.1	136.2	117.3
87.5°	3.8	5.7	21.8	17.0	9.5	10.4	10.4	18.0	26.5	28.4
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°
1641.4	0°	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4
1643.3	2.5°	1643.3	1642.3	1639.5	1636.6	1630.0	1626.2	1628.1	1626.2	1625.3	1626.2
1655.6	5°	1655.6	1652.7	1645.2	1635.7	1622.5	1606.4	1596.0	1580.8	1566.6	1558.1
1688.7	7.5°	1688.7	1685.8	1675.4	1648.9	1606.4	1539.2	1477.7	1423.8	1383.1	1359.5
1741.7	10°	1741.7	1736.9	1720.8	1662.2	1550.6	1403.9	1281.9	1180.7	1114.4	1083.2
1804.1	12.5°	1804.1	1798.4	1770.0	1649.9	1444.6	1215.7	1047.3	934.7	873.2	845.8
1876.0	15°	1877.9	1870.3	1814.5	1591.2	1290.4	1007.5	853.3	769.1	729.4	704.8
1967.8	17.5°	1969.6	1956.4	1847.6	1503.3	1122.9	848.6	734.1	670.7	635.7	612.1
2087.9	20°	2088.8	2067.1	1874.1	1398.2	968.7	748.3	653.7	600.7	574.2	553.4
2258.2	22.5°	2255.3	2224.1	1906.3	1284.7	859.9	679.3	594.1	555.3	533.6	509.9
2495.6	25°	2461.6	2424.7	1946.0	1179.7	785.2	619.7	550.6	518.4	492.9	465.4
2806.9	27.5°	2750.1	2683.9	1993.3	1093.6	720.9	568.6	510.9	474.9	445.6	422.9
3159.8	30°	3071.8	2963.0	2034.9	1041.6	662.2	521.3	458.8	422.9	395.4	379.4
3476.7	32.5°	3376.4	3228.8	2062.4	1018.9	609.2	467.3	402.1	363.3	342.5	337.7
3787.0	35°	3664.0	3469.1	2059.5	997.1	561.9	413.4	346.2	306.5	290.4	293.3
4120.9	37.5°	3995.1	3725.5	2039.7	963.1	523.2	364.2	298.0	263.0	248.8	249.8
4526.8	40°	4380.1	4021.6	2027.4	898.7	480.6	318.8	258.3	229.9	219.5	215.7
4954.4	42.5°	4790.7	4308.2	2029.2	825.9	427.6	278.1	230.8	207.2	197.7	194.9
5430.2	45°	5203.2	4581.7	2032.1	750.2	371.8	246.9	211.0	191.1	185.4	181.6
5912.7	47.5°	5591.1	4814.4	1979.1	668.8	316.9	223.3	194.9	181.6	176.9	172.2
6397.1	50°	5952.5	4969.5	1851.4	574.2	273.4	204.3	182.6	173.1	168.4	163.7
6836.1	52.5°	6233.4	4994.1	1640.4	476.8	243.1	190.2	175.0	166.5	160.8	156.1
7190.8	55°	6358.3	4839.9	1340.5	386.0	219.5	177.9	167.4	158.9	152.3	147.6
7469.9	57.5°	6326.1	4515.4	1045.4	310.3	196.8	165.6	158.0	152.3	144.7	137.2
7696.0	60°	6168.2	4081.2	788.0	258.3	176.0	152.3	147.6	142.9	132.4	121.1
7783.0	62.5°	5894.7	3535.3	561.9	213.8	153.3	137.2	135.3	131.5	116.4	95.5
7654.4	65°	5476.6	2872.2	378.4	177.9	131.5	120.1	121.1	114.5	94.6	71.0
7183.2	67.5°	4865.5	2100.2	242.2	145.7	109.7	100.3	101.2	97.4	80.4	60.5
6290.2	70°	4086.9	1390.7	158.0	110.7	88.0	77.6	83.3	84.2	68.1	49.2
4827.6	72.5°	2996.1	821.2	110.7	82.3	64.3	53.9	68.1	70.0	54.9	36.9
2904.3	75°	1707.6	389.8	83.3	59.6	39.7	37.8	53.0	53.0	37.8	24.6
1257.3	77.5°	717.1	162.7	58.7	38.8	22.7	21.8	35.9	33.1	18.9	11.4
306.5	80°	207.2	72.8	31.2	18.9	9.5	8.5	14.2	10.4	4.7	1.9
116.4	82.5°	81.4	32.2	12.3	7.6	3.8	3.8	1.9	0.0	0.0	0.0
66.2	85°	48.2	13.2	5.7	2.8	0.9	0.0	0.0	0.0	0.0	0.0
14.2	87.5°	12.3	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°
1641.4
1630.0
1560.0
1360.4
1080.4
842.9
705.7
610.2
549.6
506.1
462.6
418.1
376.5
340.6
293.3
253.5
214.8
193.9
181.6
172.2
163.7
155.1
146.6
136.2
119.2
93.7
69.1
57.7
47.3
35.0
22.7
11.4
1.9
0.0
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0.0
0.0

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