

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: P846907

Luminaire Tested: **GLAN-SB2D-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846907  
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-SB2D-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 900mA 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: 15417 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

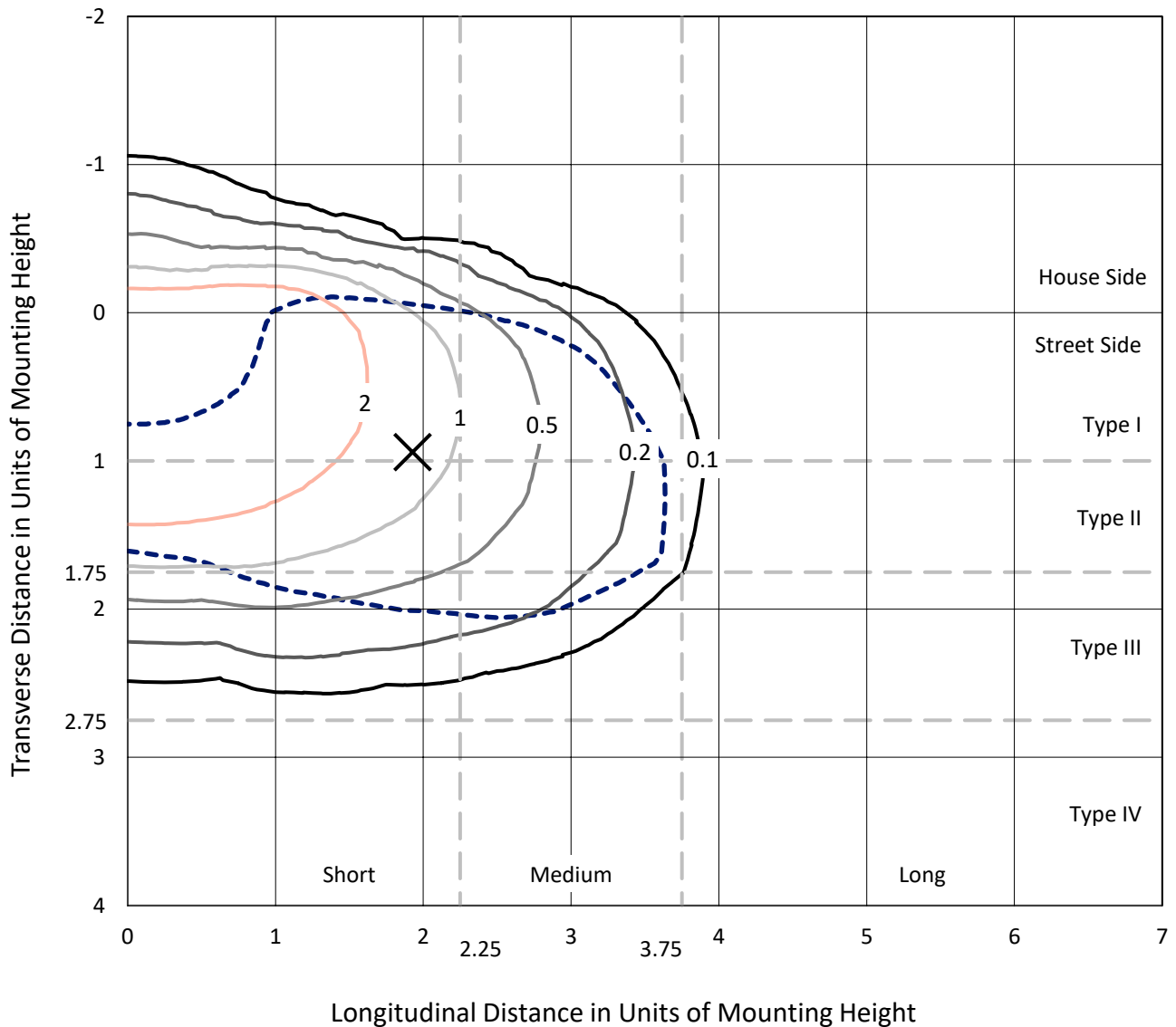
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

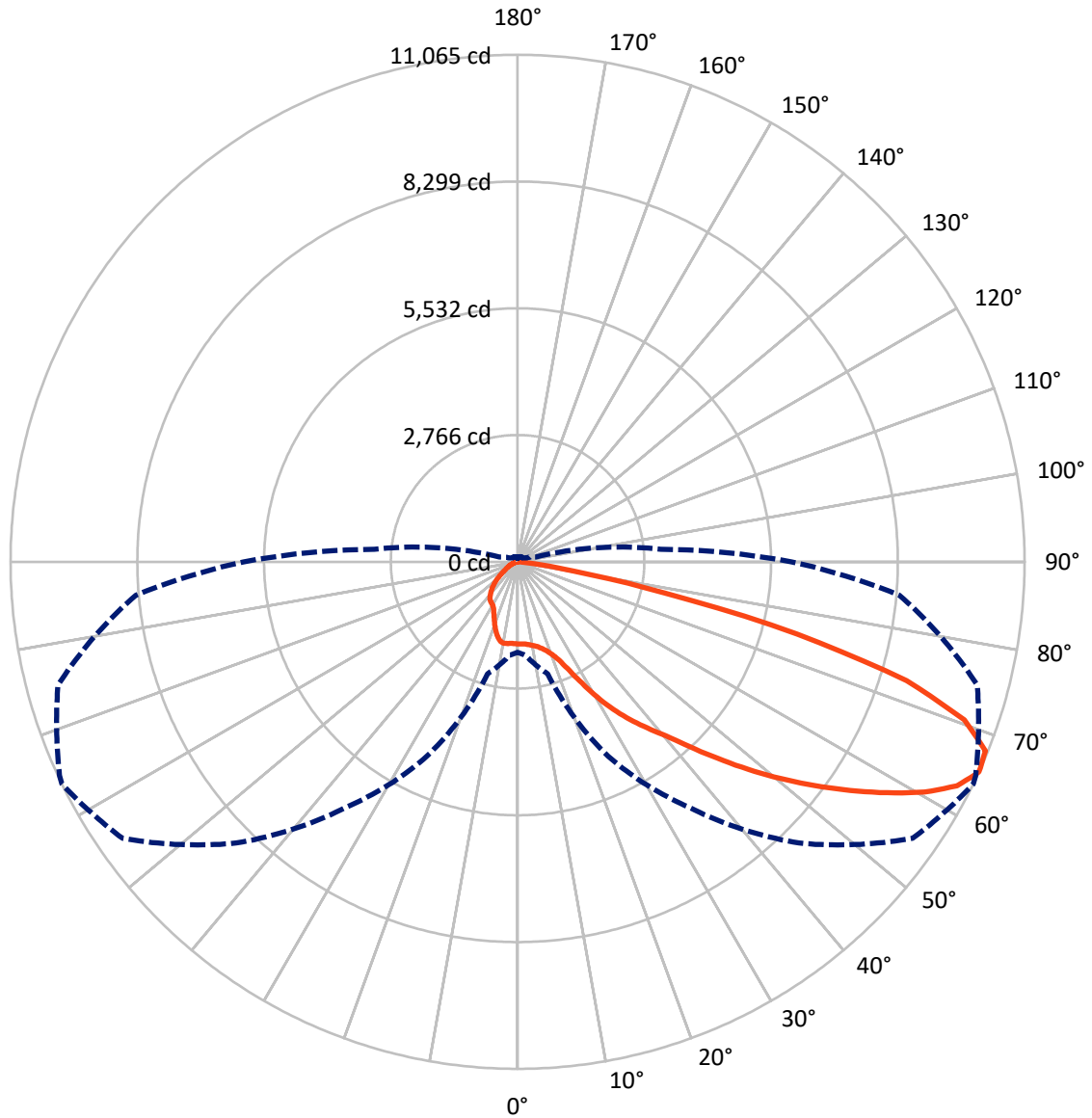
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	2061.7	0.0	2061.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	13355.3	0.0	13355.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	15417.0	0.0	15417.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.4	1.1
10°-20°	448.7	2.9
20°-30°	850.3	5.5
30°-40°	1720.5	11.2
40°-50°	2931.0	19.0
50°-60°	3985.9	25.9
60°-70°	3743.0	24.3
70°-80°	1499.6	9.7
80°-90°	72.7	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°	15417.0	100.0
0°-180°	15417.0	100.0

**Coefficient of Utilization**



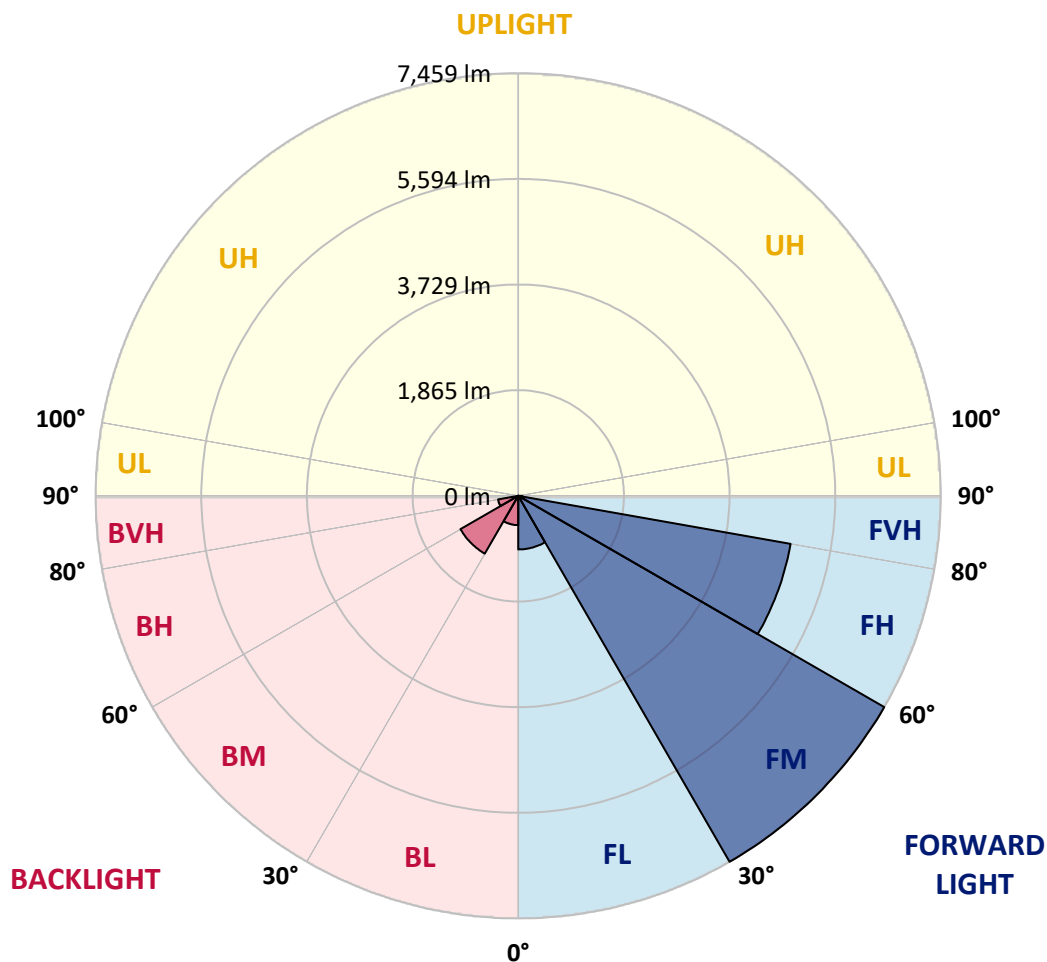
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.8	6.1			
FM (30°-60°)	7458.7	48.4			
FH (60°-80°)	4880.7	31.7			G2/5000
FVH (80°-90°)	69.1	0.4			G1/100
BL (0°-30°)	517.6	3.4	B2/1000		
BM (30°-60°)	1178.7	7.6	B2/2500		
BH (60°-80°)	361.9	2.3	B1/500		G1/500
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2
2.5°	1787.0	1799.4	1796.3	1793.2	1792.1	1794.2	1795.2	1794.2	1794.2	1794.2
5°	1752.8	1763.2	1763.2	1770.4	1780.8	1793.2	1802.5	1804.5	1806.6	1809.7
7.5°	1687.7	1696.0	1702.2	1726.0	1751.8	1784.9	1812.8	1827.3	1829.3	1840.7
10°	1643.3	1653.6	1664.0	1688.8	1726.0	1775.6	1823.1	1858.3	1863.4	1890.3
12.5°	1641.2	1651.6	1665.0	1691.9	1735.3	1788.0	1845.9	1896.5	1905.8	1945.1
15°	1662.9	1675.3	1687.7	1720.8	1767.3	1831.4	1893.4	1956.5	1965.8	2021.6
17.5°	1707.4	1723.9	1733.2	1766.3	1815.9	1887.2	1968.9	2041.2	2049.5	2114.6
20°	1795.2	1814.9	1818.0	1844.8	1893.4	1969.9	2067.0	2157.0	2167.3	2241.7
22.5°	1977.1	2005.0	1980.2	1993.7	2037.1	2113.5	2219.0	2332.7	2347.1	2431.9
25°	2297.5	2336.8	2272.7	2250.0	2268.6	2348.2	2480.4	2624.1	2640.6	2708.9
27.5°	2926.9	2876.3	2779.1	2684.1	2628.2	2673.7	2822.5	3000.3	3021.0	3087.1
30°	3618.4	3573.9	3442.7	3231.8	3099.5	3092.3	3229.7	3428.2	3452.0	3515.0
32.5°	4310.8	4268.4	4125.8	3866.4	3637.0	3523.3	3618.4	3838.5	3850.9	3891.2
35°	4991.9	4948.5	4805.9	4540.3	4258.1	3999.7	3981.1	4229.2	4233.3	4275.7
37.5°	5677.1	5641.0	5489.0	5228.6	4950.6	4594.0	4421.4	4599.2	4604.3	4645.7
40°	6166.0	6181.5	6077.1	5875.6	5636.8	5247.2	4915.4	4992.9	4961.9	5031.2
42.5°	6585.6	6616.6	6525.6	6424.4	6285.9	5942.7	5527.3	5513.8	5464.2	5501.4
45°	6948.4	6974.2	6892.5	6868.8	6865.7	6624.9	6196.0	6115.3	6046.1	6038.9
47.5°	7081.7	7131.3	7166.4	7246.0	7401.0	7299.8	6887.4	6762.3	6684.8	6628.0
50°	7132.3	7185.0	7304.9	7536.4	7903.3	7946.7	7575.7	7435.1	7340.1	7236.7
52.5°	7064.1	7158.2	7319.4	7709.0	8241.3	8465.6	8236.1	8113.1	8004.6	7836.1
55°	6662.1	6756.1	7085.8	7707.0	8409.8	8829.4	8860.4	8805.6	8683.6	8418.0
57.5°	5814.6	5954.1	6476.0	7444.4	8406.7	9142.5	9472.2	9511.5	9375.1	8994.7
60°	4640.5	4829.6	5466.3	6862.6	8147.2	9312.0	10008.6	10205.0	10060.3	9563.2
62.5°	3238.0	3457.1	4059.7	5951.0	7554.0	9190.1	10400.3	10763.1	10653.5	10071.7
65°	1975.1	2045.3	2531.1	4682.9	6545.3	8679.5	10521.2	11064.9	11028.7	10382.7
67.5°	1315.7	1374.6	1514.1	3211.1	5080.8	7659.4	10231.8	11012.2	11022.5	10332.1
70°	792.7	843.4	934.3	1867.6	3292.8	6062.6	9335.8	10340.4	10400.3	9655.1
72.5°	326.6	360.7	443.4	846.5	1705.3	3847.8	7434.1	8877.9	9017.5	8118.3
75°	185.0	202.6	260.4	424.8	740.0	1793.2	4503.0	6302.4	6508.1	5595.5
77.5°	123.0	131.3	168.5	274.9	416.5	611.8	1924.4	3283.5	3676.2	3056.1
80°	82.7	89.9	115.8	184.0	270.8	262.5	612.9	1216.5	1496.5	1050.1
82.5°	55.8	56.8	82.7	120.9	171.6	127.1	180.9	378.3	475.4	303.9
85°	32.0	31.0	61.0	70.3	76.5	52.7	54.8	113.7	148.8	128.2
87.5°	4.1	6.2	23.8	18.6	10.3	11.4	11.4	19.6	28.9	31.0
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°
1793.2	0°	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2
1795.2	2.5°	1795.2	1794.2	1791.1	1788.0	1780.8	1776.6	1778.7	1776.6	1775.6	1776.6
1808.7	5°	1808.7	1805.6	1797.3	1787.0	1772.5	1754.9	1743.5	1727.0	1711.5	1702.2
1844.8	7.5°	1844.8	1841.7	1830.4	1801.4	1754.9	1681.5	1614.4	1555.4	1511.0	1485.2
1902.7	10°	1902.7	1897.5	1880.0	1815.9	1693.9	1533.7	1400.4	1289.8	1217.5	1183.4
1970.9	12.5°	1970.9	1964.7	1933.7	1802.5	1578.2	1328.1	1144.1	1021.1	953.9	924.0
2049.5	15°	2051.5	2043.3	1982.3	1738.4	1409.7	1100.7	932.2	840.3	796.8	770.0
2149.7	17.5°	2151.8	2137.3	2018.5	1642.3	1226.8	927.1	802.0	732.8	694.5	668.7
2281.0	20°	2282.0	2258.2	2047.4	1527.5	1058.3	817.5	714.2	656.3	627.3	604.6
2467.0	22.5°	2463.9	2429.8	2082.5	1403.5	939.5	742.1	649.1	606.7	582.9	557.1
2726.4	25°	2689.2	2648.9	2126.0	1288.8	857.8	677.0	601.5	566.4	538.5	508.5
3066.5	27.5°	3004.4	2932.1	2177.6	1194.7	787.5	621.1	558.1	518.8	486.8	462.0
3452.0	30°	3355.8	3237.0	2223.1	1137.9	723.5	569.5	501.3	462.0	432.0	414.4
3798.2	32.5°	3688.6	3527.4	2253.1	1113.1	665.6	510.6	439.2	396.9	374.1	369.0
4137.2	35°	4002.8	3789.9	2250.0	1089.3	613.9	451.6	378.3	334.9	317.3	320.4
4502.0	37.5°	4364.6	4070.0	2228.3	1052.1	571.5	397.9	325.6	287.3	271.8	272.8
4945.4	40°	4785.2	4393.5	2214.8	981.8	525.0	348.3	282.2	251.1	239.8	235.6
5412.5	42.5°	5233.7	4706.7	2216.9	902.3	467.2	303.9	252.2	226.3	216.0	212.9
5932.4	45°	5684.4	5005.3	2220.0	819.6	406.2	269.7	230.5	208.8	202.6	198.4
6459.5	47.5°	6108.1	5259.6	2162.1	730.7	346.2	243.9	212.9	198.4	193.3	188.1
6988.7	50°	6502.9	5429.1	2022.6	627.3	298.7	223.2	199.5	189.1	184.0	178.8
7468.2	52.5°	6809.9	5456.0	1792.1	520.9	265.6	207.7	191.2	181.9	175.7	170.5
7855.8	55°	6946.3	5287.5	1464.5	421.7	239.8	194.3	182.9	173.6	166.4	161.2
8160.7	57.5°	6911.1	4933.0	1142.0	339.0	215.0	180.9	172.6	166.4	158.1	149.9
8407.7	60°	6738.6	4458.6	860.9	282.2	192.2	166.4	161.2	156.1	144.7	132.3
8502.8	62.5°	6439.9	3862.3	613.9	233.6	167.4	149.9	147.8	143.7	127.1	104.4
8362.2	65°	5983.0	3137.8	413.4	194.3	143.7	131.3	132.3	125.1	103.4	77.5
7847.5	67.5°	5315.4	2294.4	264.6	159.2	119.9	109.6	110.6	106.5	87.8	66.1
6871.9	70°	4464.8	1519.3	172.6	120.9	96.1	84.7	90.9	92.0	74.4	53.7
5274.1	72.5°	3273.2	897.1	120.9	89.9	70.3	58.9	74.4	76.5	59.9	40.3
3172.9	75°	1865.5	425.8	90.9	65.1	43.4	41.3	57.9	57.9	41.3	26.9
1373.5	77.5°	783.4	177.8	64.1	42.4	24.8	23.8	39.3	36.2	20.7	12.4
334.9	80°	226.3	79.6	34.1	20.7	10.3	9.3	15.5	11.4	5.2	2.1
127.1	82.5°	88.9	35.1	13.4	8.3	4.1	4.1	2.1	0.0	0.0	0.0
72.3	85°	52.7	14.5	6.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0
15.5	87.5°	13.4	3.1	2.1	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°
1793.2
1780.8
1704.3
1486.2
1180.3
920.9
771.0
666.6
600.5
552.9
505.4
456.8
411.3
372.1
320.4
277.0
234.6
211.9
198.4
188.1
178.8
169.5
160.2
148.8
130.2
102.3
75.4
63.0
51.7
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