

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: P849187

Luminaire Tested: **GLAN-SB6A-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849187  
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-SB6A-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 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: 17664 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

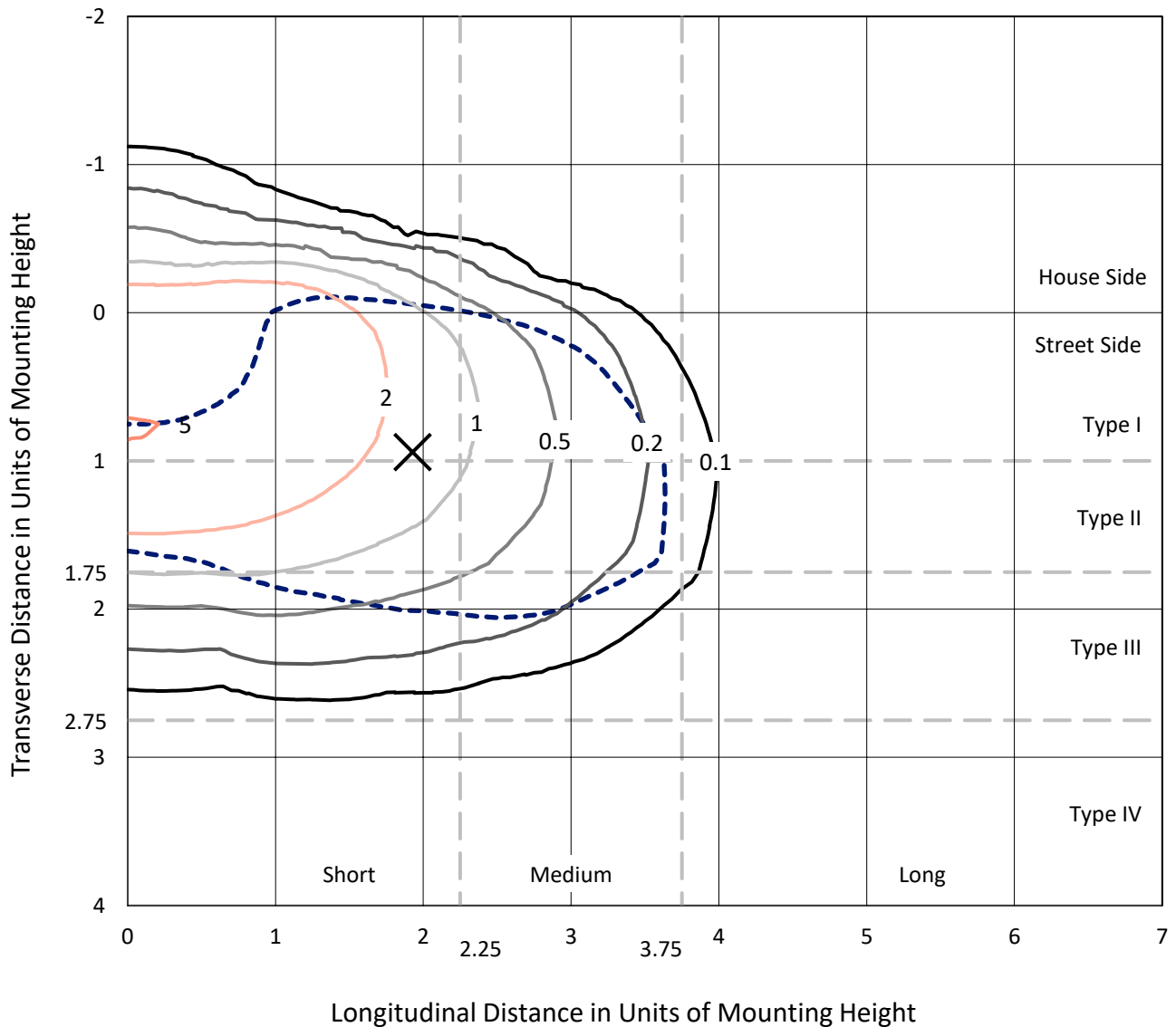
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

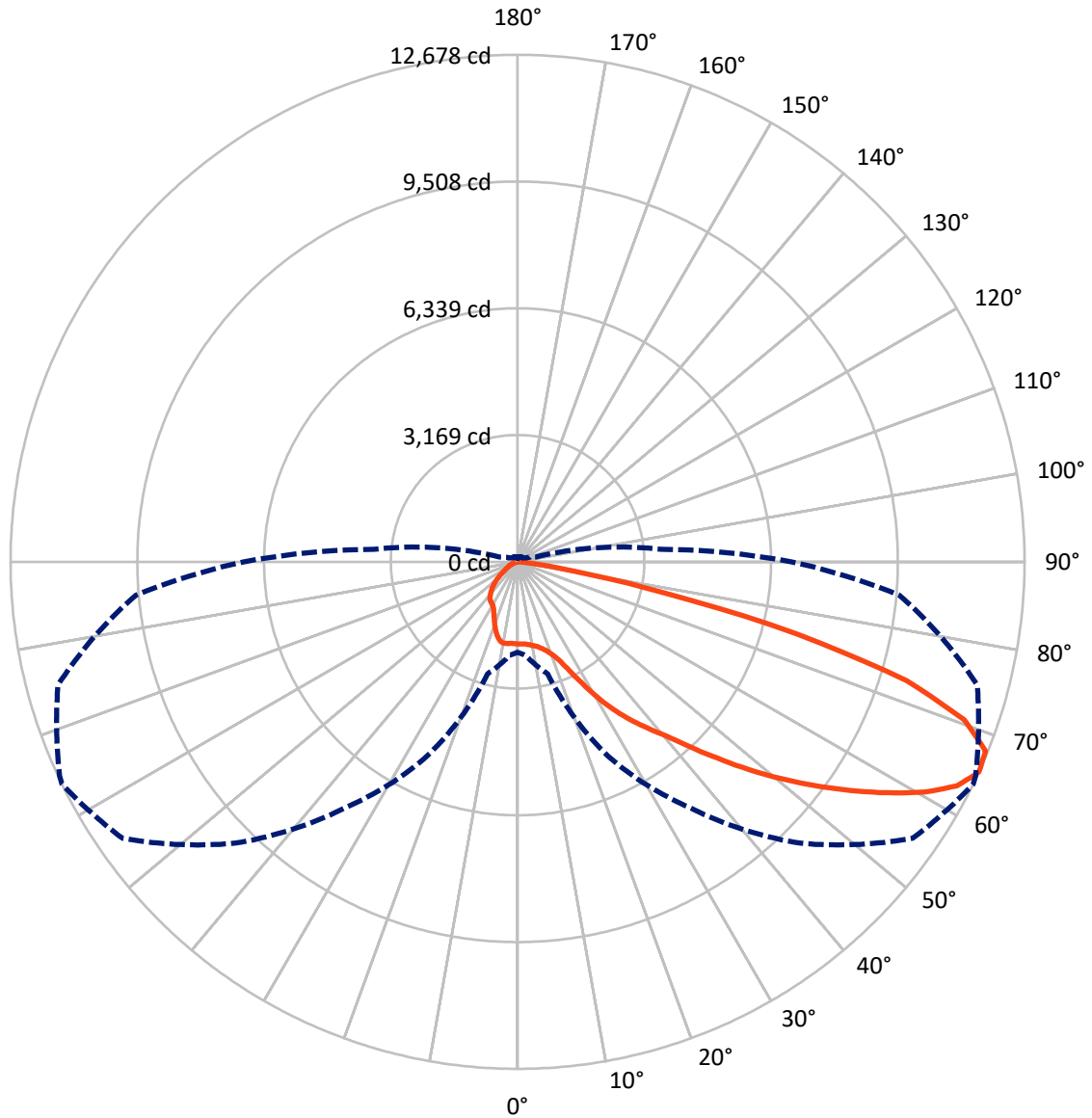
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	2362.2	0.0	2362.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	15301.8	0.0	15301.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	17664.0	0.0	17664.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.5	1.1
10°-20°	514.1	2.9
20°-30°	974.2	5.5
30°-40°	1971.3	11.2
40°-50°	3358.1	19.0
50°-60°	4566.8	25.9
60°-70°	4288.5	24.3
70°-80°	1718.1	9.7
80°-90°	83.2	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°	17664.0	100.0
0°-180°	17664.0	100.0

**Coefficient of Utilization**



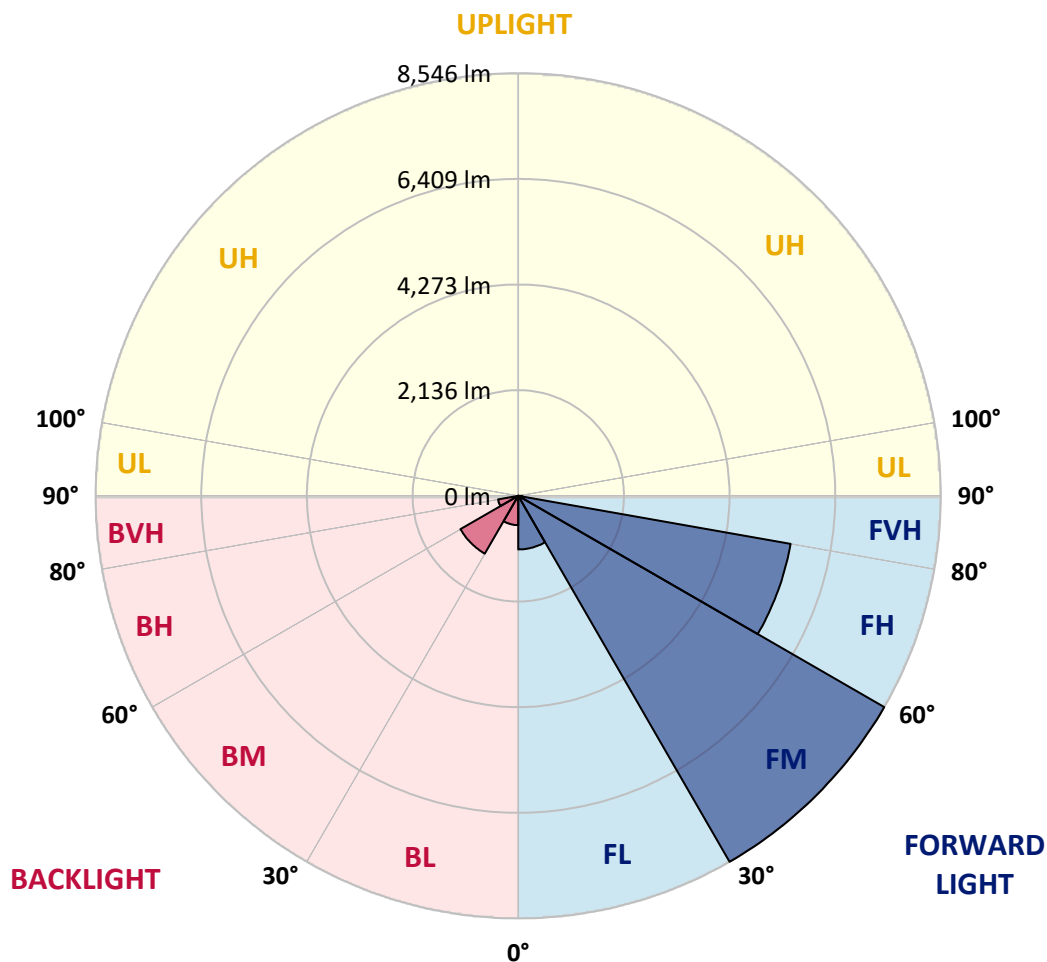
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.8	6.1			
FM (30°-60°)	8545.8	48.4			
FH (60°-80°)	5592.0	31.7			G3/7500
FVH (80°-90°)	79.2	0.4			G1/100
BL (0°-30°)	593.1	3.4	B2/1000		
BM (30°-60°)	1350.5	7.6	B2/2500		
BH (60°-80°)	414.6	2.3	B1/500		G1/500
BVH (80°-90°)	4.1	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5
2.5°	2047.4	2061.6	2058.1	2054.5	2053.3	2055.7	2056.9	2055.7	2055.7	2055.7
5°	2008.3	2020.2	2020.2	2028.5	2040.3	2054.5	2065.2	2067.5	2069.9	2073.5
7.5°	1933.7	1943.2	1950.3	1977.5	2007.1	2045.0	2077.0	2093.6	2096.0	2109.0
10°	1882.8	1894.6	1906.5	1934.9	1977.5	2034.4	2088.8	2129.1	2135.0	2165.8
12.5°	1880.4	1892.3	1907.7	1938.5	1988.2	2048.6	2114.9	2172.9	2183.6	2228.6
15°	1905.3	1919.5	1933.7	1971.6	2024.9	2098.3	2169.4	2241.6	2252.3	2316.2
17.5°	1956.2	1975.2	1985.8	2023.7	2080.6	2162.3	2255.8	2338.7	2348.2	2422.8
20°	2056.9	2079.4	2082.9	2113.7	2169.4	2257.0	2368.3	2471.3	2483.2	2568.4
22.5°	2265.3	2297.3	2268.8	2284.2	2334.0	2421.6	2542.4	2672.6	2689.2	2786.3
25°	2632.4	2677.4	2604.0	2577.9	2599.2	2690.4	2842.0	3006.6	3025.5	3103.7
27.5°	3353.5	3295.5	3184.2	3075.2	3011.3	3063.4	3233.9	3437.6	3461.3	3537.1
30°	4145.7	4094.8	3944.4	3702.8	3551.3	3543.0	3700.5	3927.8	3955.1	4027.3
32.5°	4939.1	4890.6	4727.1	4429.9	4167.0	4036.8	4145.7	4397.9	4412.2	4458.3
35°	5719.5	5669.7	5506.3	5202.0	4878.7	4582.7	4561.4	4845.6	4850.3	4898.8
37.5°	6504.6	6463.1	6289.0	5990.6	5672.1	5263.6	5065.8	5269.5	5275.4	5322.8
40°	7064.7	7082.4	6962.8	6731.9	6458.4	6011.9	5631.8	5720.6	5685.1	5764.5
42.5°	7545.4	7581.0	7476.7	7360.7	7202.0	6808.9	6332.9	6317.5	6260.6	6303.2
45°	7961.1	7990.7	7897.1	7869.9	7866.3	7590.4	7099.0	7006.6	6927.3	6919.0
47.5°	8113.8	8170.7	8210.9	8302.1	8479.7	8363.7	7891.2	7747.9	7659.1	7594.0
50°	8171.8	8232.2	8369.6	8634.8	9055.2	9105.0	8679.8	8518.8	8409.9	8291.4
52.5°	8093.7	8201.4	8386.2	8832.6	9442.4	9699.4	9436.5	9295.6	9171.3	8978.3
55°	7633.1	7740.8	8118.6	8830.2	9635.5	10116.2	10151.7	10089.0	9949.3	9644.9
57.5°	6662.0	6821.9	7419.9	8529.5	9631.9	10475.0	10852.8	10897.8	10741.5	10305.7
60°	5316.8	5533.6	6263.0	7862.8	9334.7	10669.2	11467.3	11692.3	11526.6	10957.0
62.5°	3710.0	3961.0	4651.4	6818.4	8655.0	10529.5	11916.1	12331.8	12206.3	11539.6
65°	2262.9	2343.4	2900.0	5365.4	7499.2	9944.5	12054.7	12677.5	12636.1	11896.0
67.5°	1507.4	1574.9	1734.8	3679.2	5821.3	8775.8	11723.1	12617.2	12629.0	11838.0
70°	908.2	966.3	1070.5	2139.8	3772.7	6946.2	10696.5	11847.5	11916.1	11062.4
72.5°	374.2	413.3	508.0	969.8	1953.9	4408.6	8517.6	10171.9	10331.7	9301.5
75°	212.0	232.1	298.4	486.7	847.9	2054.5	5159.4	7221.0	7456.6	6411.0
77.5°	140.9	150.4	193.0	315.0	477.2	701.0	2204.9	3762.1	4212.0	3501.5
80°	94.7	103.0	132.6	210.8	310.2	300.8	702.2	1393.7	1714.7	1203.1
82.5°	63.9	65.1	94.7	138.5	196.6	145.7	207.2	433.4	544.7	348.1
85°	36.7	35.5	69.9	80.5	87.6	60.4	62.8	130.3	170.5	146.8
87.5°	4.7	7.1	27.2	21.3	11.8	13.0	13.0	22.5	33.2	35.5
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°
2054.5	0°	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5
2056.9	2.5°	2056.9	2055.7	2052.1	2048.6	2040.3	2035.6	2037.9	2035.6	2034.4	2035.6
2072.3	5°	2072.3	2068.7	2059.2	2047.4	2030.8	2010.7	1997.7	1978.7	1961.0	1950.3
2113.7	7.5°	2113.7	2110.2	2097.1	2064.0	2010.7	1926.6	1849.6	1782.2	1731.2	1701.6
2180.0	10°	2180.0	2174.1	2154.0	2080.6	1940.8	1757.3	1604.5	1477.8	1394.9	1355.9
2258.2	12.5°	2258.2	2251.1	2215.6	2065.2	1808.2	1521.6	1310.9	1169.9	1093.0	1058.6
2348.2	15°	2350.5	2341.1	2271.2	1991.7	1615.2	1261.1	1068.1	962.7	913.0	882.2
2463.0	17.5°	2465.4	2448.8	2312.7	1881.6	1405.6	1062.2	918.9	839.6	795.8	766.1
2613.4	20°	2614.6	2587.4	2345.8	1750.2	1212.6	936.7	818.3	751.9	718.8	692.7
2826.6	22.5°	2823.0	2783.9	2386.1	1608.1	1076.4	850.2	743.6	695.1	667.9	638.3
3123.8	25°	3081.2	3035.0	2435.8	1476.6	982.8	775.6	689.2	648.9	616.9	582.6
3513.4	27.5°	3442.3	3359.4	2495.0	1368.9	902.3	711.7	639.4	594.4	557.7	529.3
3955.1	30°	3844.9	3708.8	2547.1	1303.8	828.9	652.5	574.3	529.3	495.0	474.8
4351.8	32.5°	4226.2	4041.5	2581.5	1275.3	762.6	585.0	503.3	454.7	428.7	422.7
4740.2	35°	4586.2	4342.3	2577.9	1248.1	703.4	517.5	433.4	383.7	363.5	367.1
5158.2	37.5°	5000.7	4663.2	2553.0	1205.5	654.8	455.9	373.0	329.2	311.4	312.6
5666.2	40°	5482.6	5033.8	2537.6	1124.9	601.6	399.1	323.3	287.7	274.7	270.0
6201.4	42.5°	5996.6	5392.6	2540.0	1033.8	535.2	348.1	288.9	259.3	247.5	243.9
6797.0	45°	6512.8	5734.9	2543.6	939.0	465.4	309.1	264.1	239.2	232.1	227.4
7401.0	47.5°	6998.3	6026.2	2477.2	837.2	396.7	279.5	243.9	227.4	221.4	215.5
8007.2	50°	7450.7	6220.4	2317.4	718.8	342.2	255.8	228.5	216.7	210.8	204.9
8556.7	52.5°	7802.4	6251.1	2053.3	596.8	304.3	238.0	219.1	208.4	201.3	195.4
9000.8	55°	7958.7	6058.1	1677.9	483.1	274.7	222.6	209.6	198.9	190.6	184.7
9350.1	57.5°	7918.4	5652.0	1308.5	388.4	246.3	207.2	197.8	190.6	181.2	171.7
9633.1	60°	7720.7	5108.4	986.4	323.3	220.3	190.6	184.7	178.8	165.8	151.6
9742.0	62.5°	7378.5	4425.2	703.4	267.6	191.8	171.7	169.3	164.6	145.7	119.6
9581.0	65°	6855.1	3595.1	473.7	222.6	164.6	150.4	151.6	143.3	118.4	88.8
8991.3	67.5°	6090.1	2628.8	303.1	182.4	137.4	125.5	126.7	122.0	100.7	75.8
7873.4	70°	5115.5	1740.7	197.8	138.5	110.1	97.1	104.2	105.4	85.3	61.6
6042.7	72.5°	3750.2	1027.8	138.5	103.0	80.5	67.5	85.3	87.6	68.7	46.2
3635.4	75°	2137.4	487.9	104.2	74.6	49.7	47.4	66.3	66.3	47.4	30.8
1573.7	77.5°	897.6	203.7	73.4	48.6	28.4	27.2	45.0	41.4	23.7	14.2
383.7	80°	259.3	91.2	39.1	23.7	11.8	10.7	17.8	13.0	5.9	2.4
145.7	82.5°	101.8	40.3	15.4	9.5	4.7	4.7	2.4	0.0	0.0	0.0
82.9	85°	60.4	16.6	7.1	3.6	1.2	0.0	0.0	0.0	0.0	0.0
17.8	87.5°	15.4	3.6	2.4	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°
2054.5
2040.3
1952.7
1702.8
1352.3
1055.1
883.4
763.8
688.0
633.5
579.1
523.4
471.3
426.3
367.1
317.4
268.8
242.8
227.4
215.5
204.9
194.2
183.5
170.5
149.2
117.2
86.4
72.2
59.2
43.8
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