

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: P848447

Luminaire Tested: **GLAN-SB5A-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848447  
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-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 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: 17439 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

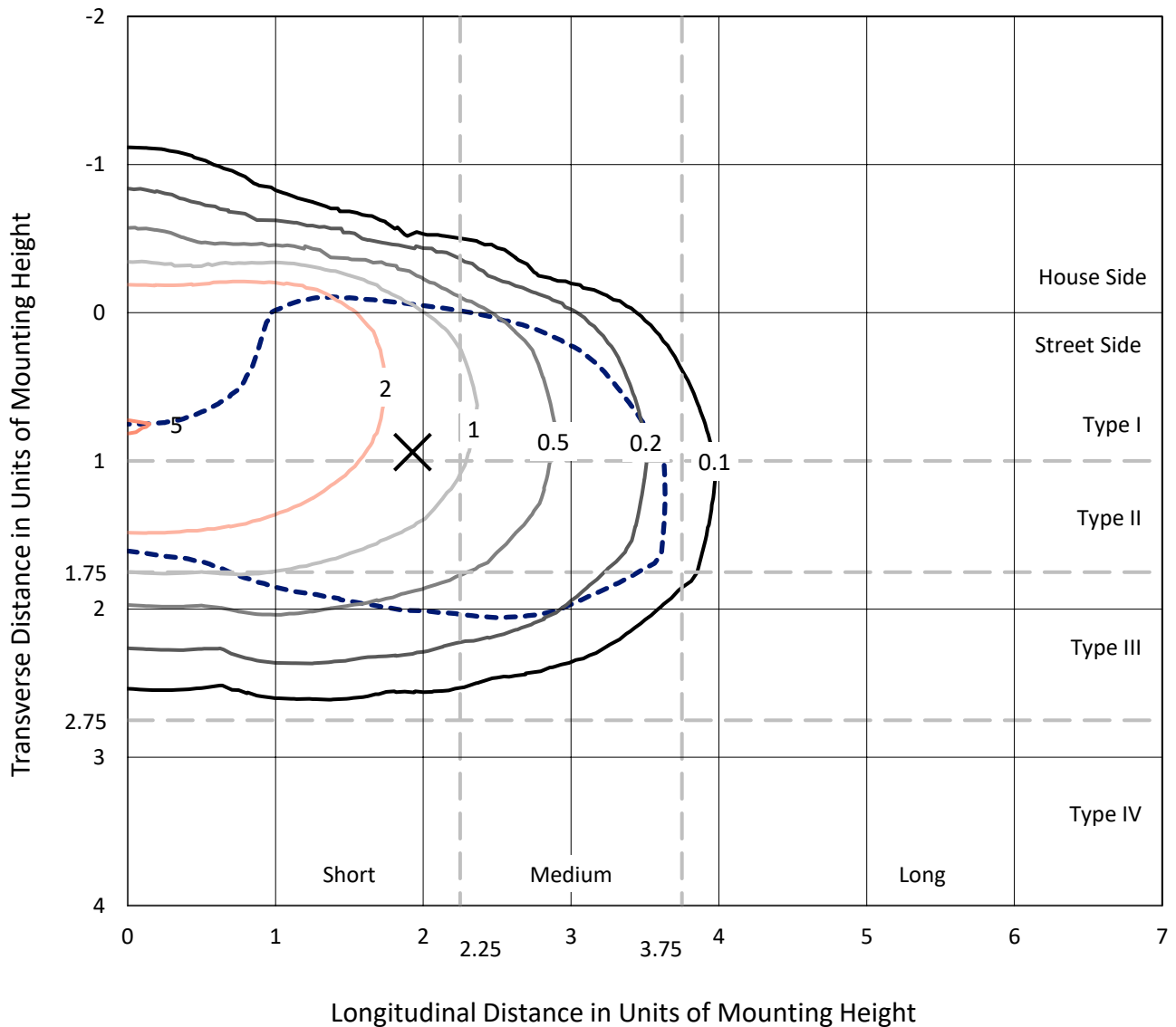
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

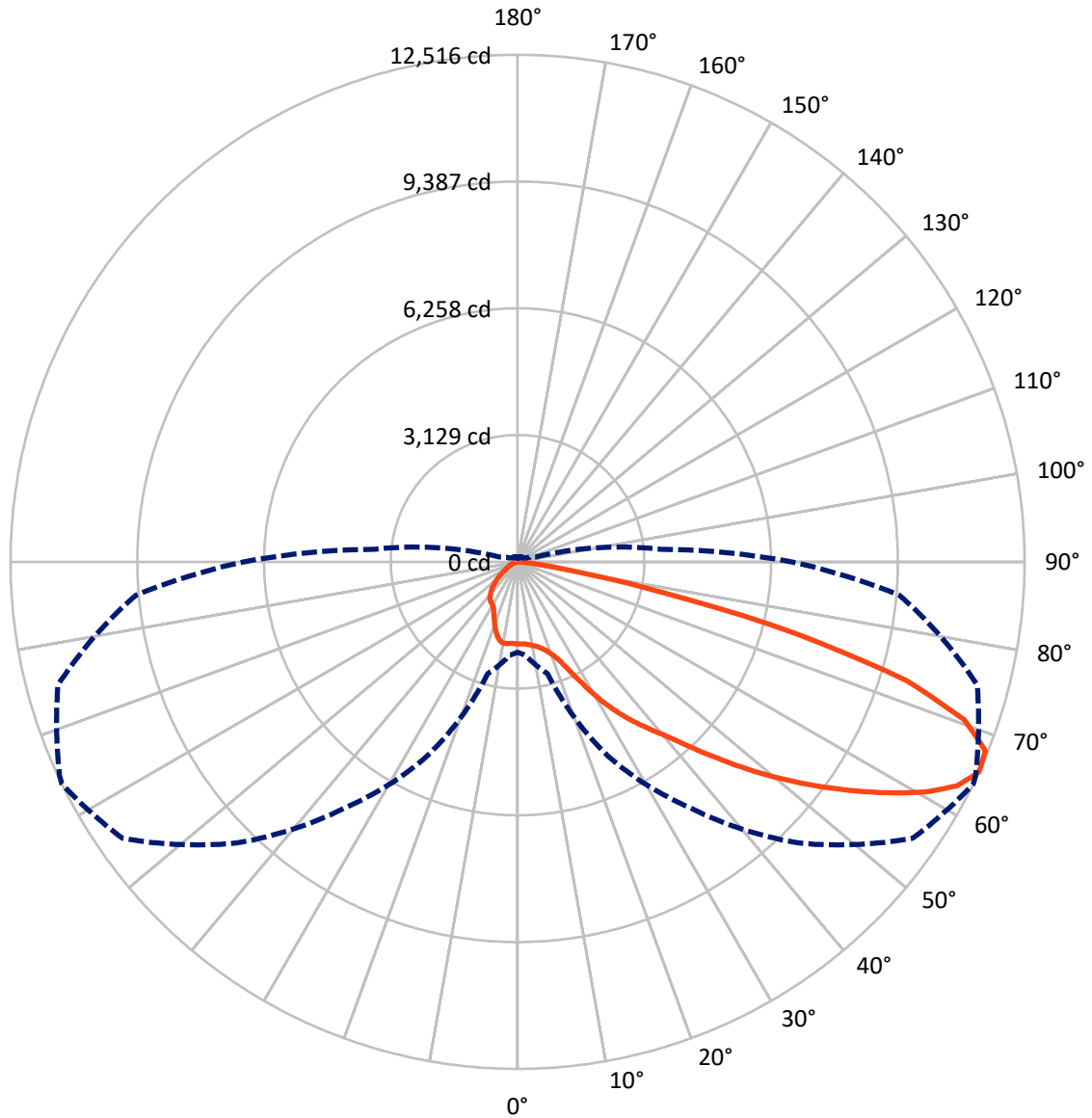
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2332.1	0.0	2332.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	15106.9	0.0	15106.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	17439.0	0.0	17439.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.1	1.1
10°-20°	507.6	2.9
20°-30°	961.8	5.5
30°-40°	1946.2	11.2
40°-50°	3315.4	19.0
50°-60°	4508.7	25.9
60°-70°	4233.8	24.3
70°-80°	1696.3	9.7
80°-90°	82.2	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°	17439.0	100.0
0°-180°	17439.0	100.0

**Coefficient of Utilization**



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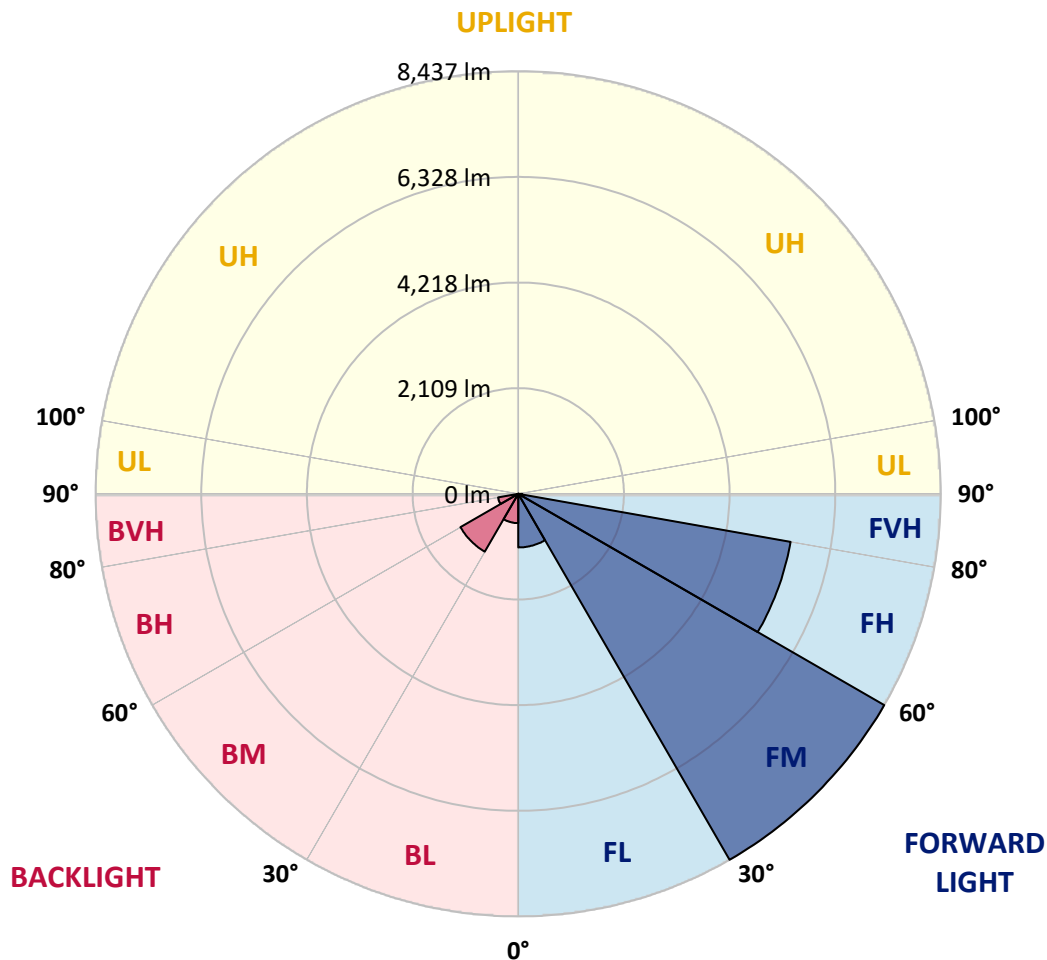
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1071.0	6.1			
FM (30°-60°)	8437.0	48.4			
FH (60°-80°)	5520.8	31.7			G3/7500
FVH (80°-90°)	78.2	0.4			G1/100
BL (0°-30°)	585.5	3.4	B2/1000		
BM (30°-60°)	1333.3	7.6	B2/2500		
BH (60°-80°)	409.3	2.3	B1/500		G1/500
BVH (80°-90°)	4.0	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°	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3
2.5°	2021.3	2035.4	2031.8	2028.3	2027.2	2029.5	2030.7	2029.5	2029.5	2029.5
5°	1982.7	1994.4	1994.4	2002.6	2014.3	2028.3	2038.9	2041.2	2043.5	2047.0
7.5°	1909.1	1918.4	1925.5	1952.3	1981.6	2019.0	2050.5	2066.9	2069.3	2082.1
10°	1858.8	1870.5	1882.2	1910.3	1952.3	2008.5	2062.2	2102.0	2107.8	2138.2
12.5°	1856.5	1868.2	1883.4	1913.8	1962.9	2022.5	2088.0	2145.2	2155.8	2200.2
15°	1881.0	1895.1	1909.1	1946.5	1999.1	2071.6	2141.7	2213.0	2223.6	2286.7
17.5°	1931.3	1950.0	1960.5	1997.9	2054.1	2134.7	2227.1	2308.9	2318.3	2391.9
20°	2030.7	2052.9	2056.4	2086.8	2141.7	2228.2	2338.1	2439.8	2451.5	2535.7
22.5°	2236.4	2268.0	2239.9	2255.1	2304.2	2390.7	2510.0	2638.6	2655.0	2750.8
25°	2598.8	2643.3	2570.8	2545.1	2566.1	2656.1	2805.8	2968.3	2987.0	3064.1
27.5°	3310.8	3253.5	3143.6	3036.1	2972.9	3024.4	3192.7	3393.8	3417.2	3492.0
30°	4092.9	4042.6	3894.2	3655.7	3506.0	3497.9	3653.3	3877.8	3904.7	3976.0
32.5°	4876.2	4828.3	4666.9	4373.5	4114.0	3985.4	4092.9	4341.9	4356.0	4401.5
35°	5646.6	5597.5	5436.2	5135.7	4816.6	4524.3	4503.3	4783.8	4788.5	4836.4
37.5°	6421.7	6380.8	6208.9	5914.3	5599.8	5196.5	5001.3	5202.4	5208.2	5255.0
40°	6974.7	6992.2	6874.1	6646.2	6376.1	5935.4	5560.1	5647.8	5612.7	5691.0
42.5°	7449.3	7484.4	7381.5	7266.9	7110.3	6722.2	6252.2	6237.0	6180.9	6223.0
45°	7859.7	7888.9	7796.5	7769.6	7766.1	7493.7	7008.6	6917.4	6839.1	6830.9
47.5°	8010.5	8066.6	8106.3	8196.4	8371.7	8257.1	7790.7	7649.2	7561.5	7497.2
50°	8067.8	8127.4	8263.0	8524.9	8939.9	8989.0	8569.3	8410.3	8302.7	8185.8
52.5°	7990.6	8097.0	8279.4	8720.1	9322.2	9575.9	9316.3	9177.2	9054.4	8863.9
55°	7535.8	7642.2	8015.1	8717.8	9512.7	9987.4	10022.4	9960.5	9822.5	9522.1
57.5°	6577.2	6735.0	7325.4	8420.8	9509.2	10341.6	10714.5	10759.0	10604.6	10174.4
60°	5249.1	5463.1	6183.2	7762.6	9215.8	10533.3	11321.3	11543.4	11379.7	10817.4
62.5°	3662.7	3910.5	4592.1	6731.5	8544.7	10395.4	11764.4	12174.7	12050.8	11392.6
65°	2234.1	2313.6	2863.1	5297.1	7403.7	9817.9	11901.1	12516.1	12475.1	11744.5
67.5°	1488.2	1554.9	1712.7	3632.3	5747.1	8664.0	11573.8	12456.4	12468.1	11687.2
70°	896.7	954.0	1056.8	2112.5	3724.7	6857.8	10560.2	11696.5	11764.4	10921.5
72.5°	369.4	408.0	501.5	957.5	1929.0	4352.4	8409.1	10042.3	10200.1	9183.0
75°	209.3	229.1	294.6	480.5	837.1	2028.3	5093.6	7129.0	7361.6	6329.3
77.5°	139.1	148.5	190.6	311.0	471.1	692.1	2176.8	3714.1	4158.4	3456.9
80°	93.5	101.7	130.9	208.1	306.3	296.9	693.3	1376.0	1692.8	1187.8
82.5°	63.1	64.3	93.5	136.8	194.1	143.8	204.6	427.9	537.8	343.7
85°	36.2	35.1	69.0	79.5	86.5	59.6	62.0	128.6	168.3	145.0
87.5°	4.7	7.0	26.9	21.0	11.7	12.9	12.9	22.2	32.7	35.1
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°
2028.3	0°	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3	2028.3
2030.7	2.5°	2030.7	2029.5	2026.0	2022.5	2014.3	2009.6	2012.0	2009.6	2008.5	2009.6
2045.9	5°	2045.9	2042.4	2033.0	2021.3	2005.0	1985.1	1972.2	1953.5	1936.0	1925.5
2086.8	7.5°	2086.8	2083.3	2070.4	2037.7	1985.1	1902.1	1826.1	1759.5	1709.2	1680.0
2152.3	10°	2152.3	2146.4	2126.5	2054.1	1916.1	1734.9	1584.1	1459.0	1377.2	1338.6
2229.4	12.5°	2229.4	2222.4	2187.3	2038.9	1785.2	1502.3	1294.2	1155.0	1079.1	1045.1
2318.3	15°	2320.6	2311.3	2242.3	1966.4	1594.6	1245.1	1054.5	950.5	901.4	871.0
2431.7	17.5°	2434.0	2417.6	2283.2	1857.7	1387.7	1048.7	907.2	828.9	785.6	756.4
2580.1	20°	2581.3	2554.4	2315.9	1727.9	1197.1	924.7	807.8	742.4	709.6	683.9
2790.6	22.5°	2787.1	2748.5	2355.7	1587.6	1062.7	839.4	734.2	686.2	659.4	630.1
3084.0	25°	3041.9	2996.3	2404.8	1457.8	970.3	765.7	680.4	640.7	609.1	575.2
3468.6	27.5°	3398.5	3316.7	2463.2	1351.4	890.8	702.6	631.3	586.9	550.6	522.6
3904.7	30°	3796.0	3661.5	2514.7	1287.1	818.3	644.2	567.0	522.6	488.7	468.8
4296.3	32.5°	4172.4	3990.0	2548.6	1259.1	752.9	577.5	496.9	448.9	423.2	417.4
4679.8	35°	4527.8	4287.0	2545.1	1232.2	694.4	510.9	427.9	378.8	358.9	362.4
5092.5	37.5°	4937.0	4603.8	2520.5	1190.1	646.5	450.1	368.3	325.0	307.5	308.6
5594.0	40°	5412.8	4969.7	2505.3	1110.6	593.9	394.0	319.2	284.1	271.2	266.5
6122.4	42.5°	5920.2	5323.9	2507.7	1020.6	528.4	343.7	285.3	256.0	244.3	240.8
6710.5	45°	6429.9	5661.8	2511.2	927.1	459.4	305.1	260.7	236.2	229.1	224.5
7306.7	47.5°	6909.2	5949.4	2445.7	826.5	391.6	275.9	240.8	224.5	218.6	212.8
7905.3	50°	7355.8	6141.1	2287.9	709.6	337.9	252.5	225.6	213.9	208.1	202.2
8447.7	52.5°	7703.0	6171.5	2027.2	589.2	300.5	235.0	216.3	205.8	198.7	192.9
8886.1	55°	7857.3	5981.0	1656.6	477.0	271.2	219.8	206.9	196.4	188.2	182.4
9231.0	57.5°	7817.6	5580.0	1291.8	383.5	243.2	204.6	195.2	188.2	178.9	169.5
9510.4	60°	7622.3	5043.4	973.8	319.2	217.4	188.2	182.4	176.5	163.7	149.6
9617.9	62.5°	7284.5	4368.8	694.4	264.2	189.4	169.5	167.2	162.5	143.8	118.1
9458.9	65°	6767.7	3549.3	467.6	219.8	162.5	148.5	149.6	141.5	116.9	87.7
8876.7	67.5°	6012.5	2595.3	299.3	180.0	135.6	123.9	125.1	120.4	99.4	74.8
7773.1	70°	5050.4	1718.5	195.2	136.8	108.7	95.9	102.9	104.0	84.2	60.8
5965.8	72.5°	3702.4	1014.8	136.8	101.7	79.5	66.6	84.2	86.5	67.8	45.6
3589.0	75°	2110.2	481.7	102.9	73.7	49.1	46.8	65.5	65.5	46.8	30.4
1553.7	77.5°	886.2	201.1	72.5	47.9	28.1	26.9	44.4	40.9	23.4	14.0
378.8	80°	256.0	90.0	38.6	23.4	11.7	10.5	17.5	12.9	5.8	2.3
143.8	82.5°	100.5	39.7	15.2	9.4	4.7	4.7	2.3	0.0	0.0	0.0
81.8	85°	59.6	16.4	7.0	3.5	1.2	0.0	0.0	0.0	0.0	0.0
17.5	87.5°	15.2	3.5	2.3	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°
2028.3
2014.3
1927.8
1681.1
1335.1
1041.6
872.1
754.1
679.2
625.5
571.7
516.7
465.3
420.9
362.4
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265.4
239.7
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