

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: P848167

Luminaire Tested: **GLAN-SB4C-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848167  
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-SB4C-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 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: 19490 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

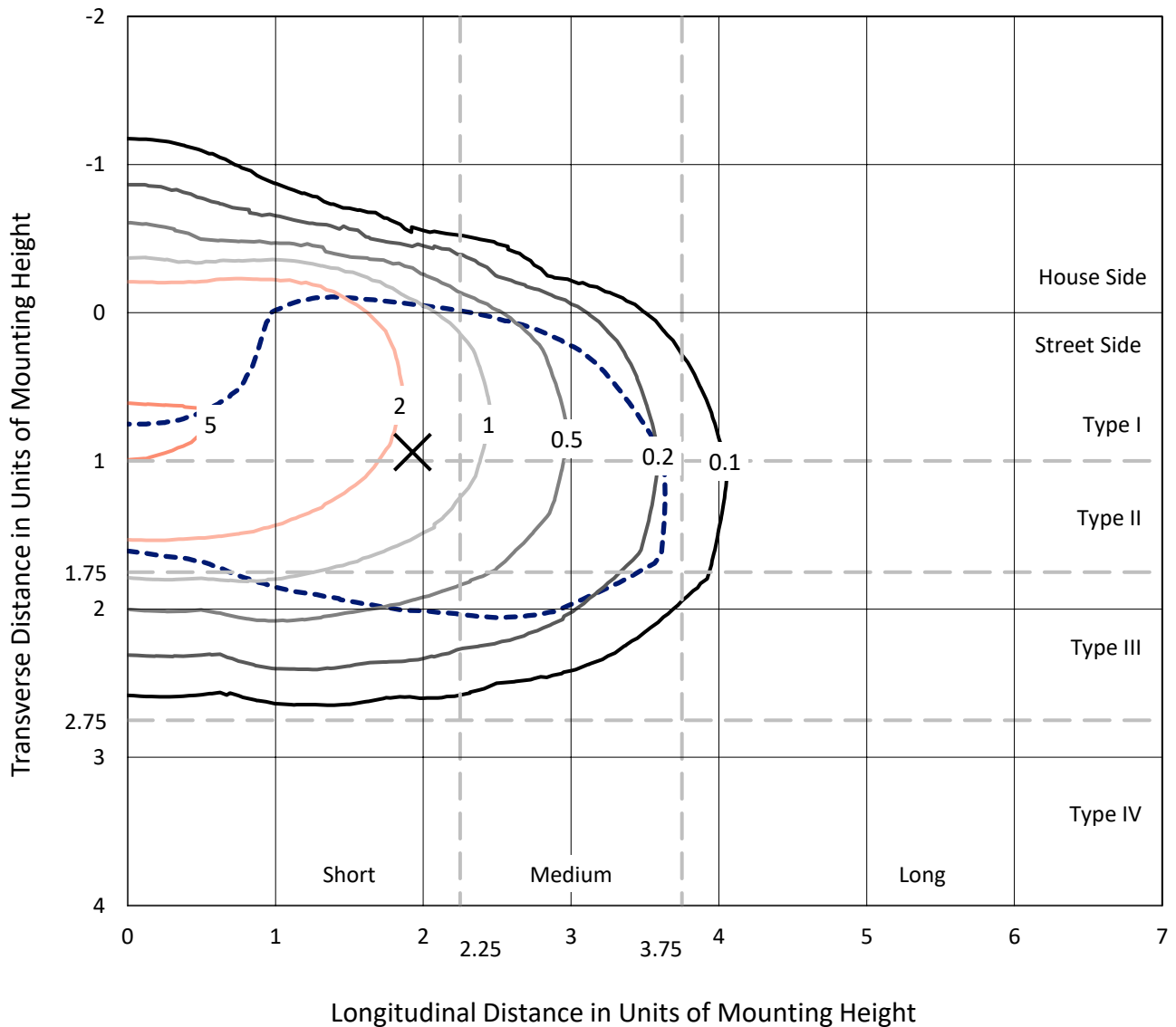
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

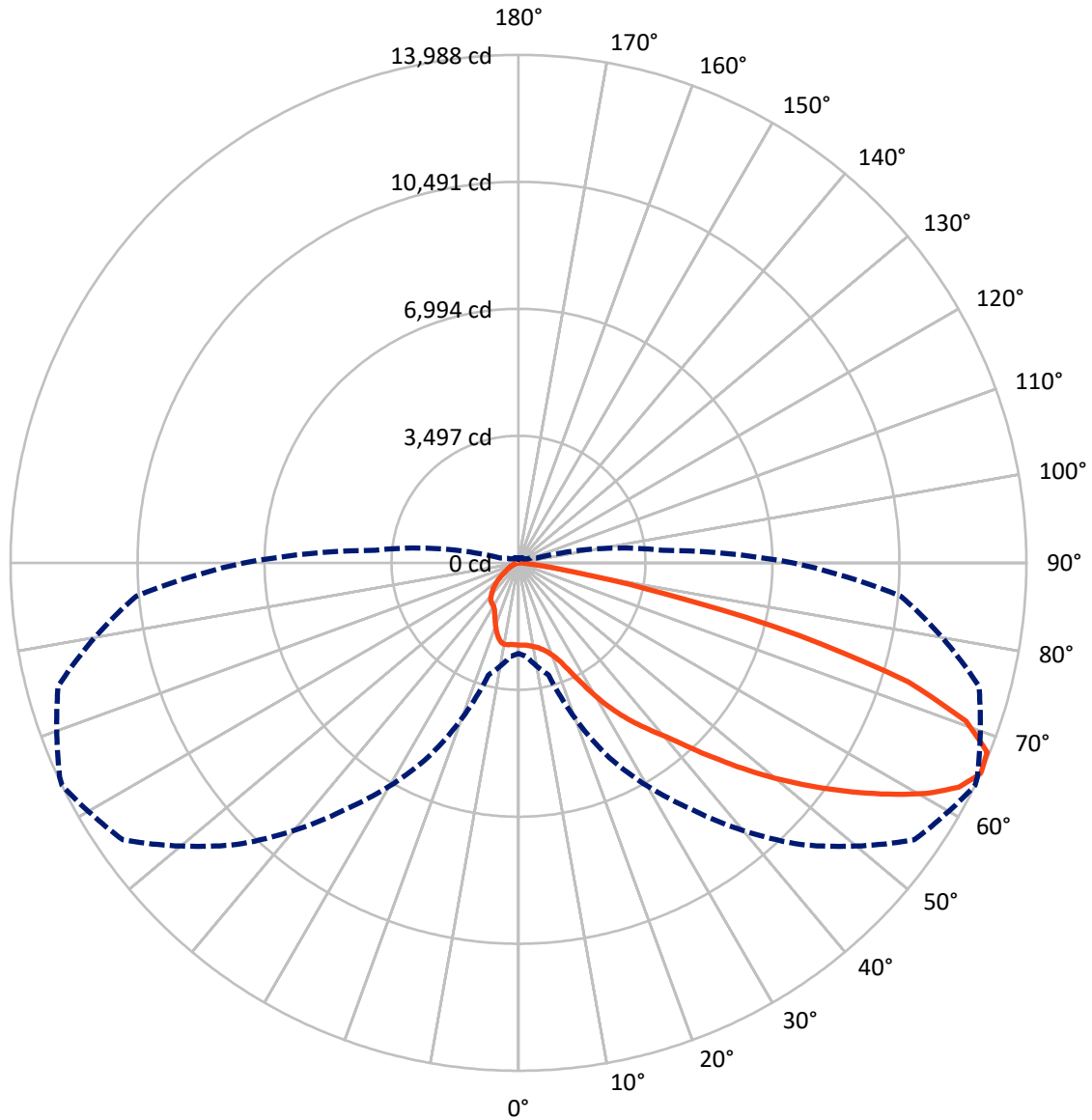
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	2606.4	0.0	2606.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	16883.6	0.0	16883.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	19490.0	0.0	19490.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.1	1.1
10°-20°	567.3	2.9
20°-30°	1074.9	5.5
30°-40°	2175.1	11.2
40°-50°	3705.3	19.0
50°-60°	5038.9	25.9
60°-70°	4731.8	24.3
70°-80°	1895.8	9.7
80°-90°	91.8	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°	19490.0	100.0
0°-180°	19490.0	100.0

**Coefficient of Utilization**



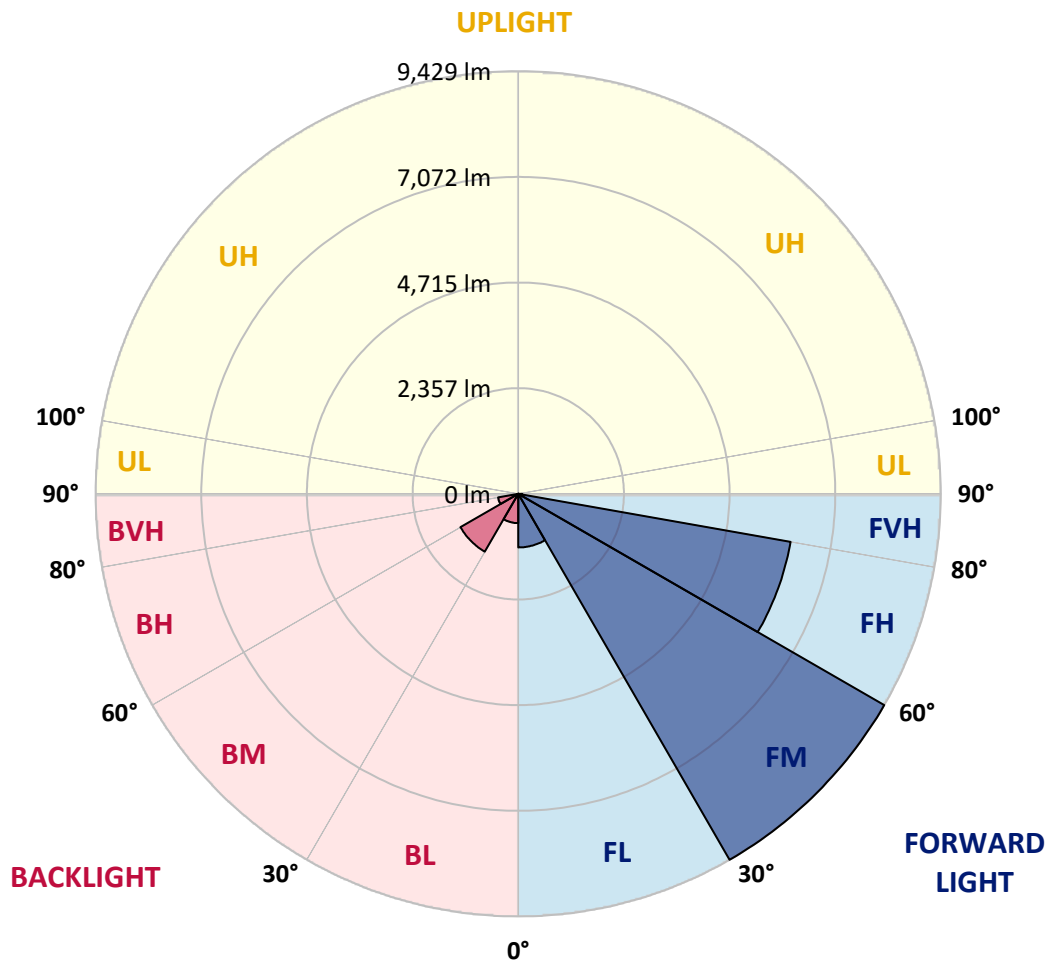
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1196.9	6.1			
FM (30°-60°)	9429.2	48.4			
FH (60°-80°)	6170.1	31.7			G3/7500
FVH (80°-90°)	87.4	0.4			G1/100
BL (0°-30°)	654.4	3.4	B2/1000		
BM (30°-60°)	1490.1	7.6	B2/2500		
BH (60°-80°)	457.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.5	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9
2.5°	2259.0	2274.7	2270.8	2266.9	2265.6	2268.2	2269.5	2268.2	2268.2	2268.2
5°	2215.9	2229.0	2229.0	2238.1	2251.2	2266.9	2278.6	2281.3	2283.9	2287.8
7.5°	2133.6	2144.1	2151.9	2182.0	2214.6	2256.4	2291.7	2310.0	2312.6	2327.0
10°	2077.4	2090.5	2103.6	2134.9	2182.0	2244.7	2304.8	2349.2	2355.7	2389.7
12.5°	2074.8	2087.9	2104.9	2138.8	2193.7	2260.4	2333.5	2397.5	2409.3	2459.0
15°	2102.3	2117.9	2133.6	2175.4	2234.2	2315.2	2393.6	2473.3	2485.1	2555.6
17.5°	2158.4	2179.3	2191.1	2232.9	2295.6	2385.8	2489.0	2580.5	2590.9	2673.2
20°	2269.5	2294.3	2298.2	2332.2	2393.6	2490.3	2613.1	2726.8	2739.9	2833.9
22.5°	2499.5	2534.7	2503.4	2520.4	2575.2	2671.9	2805.2	2948.9	2967.2	3074.3
25°	2904.5	2954.1	2873.1	2844.4	2867.9	2968.5	3135.8	3317.4	3338.3	3424.5
27.5°	3700.2	3636.2	3513.4	3393.1	3322.6	3380.1	3568.2	3793.0	3819.1	3902.7
30°	4574.3	4518.1	4352.2	4085.6	3918.4	3909.2	4083.0	4333.9	4363.9	4443.6
32.5°	5449.7	5396.1	5215.8	4887.9	4597.8	4454.1	4574.3	4852.6	4868.3	4919.2
35°	6310.7	6255.8	6075.5	5739.7	5383.0	5056.4	5032.9	5346.5	5351.7	5405.3
37.5°	7177.0	7131.2	6939.2	6609.9	6258.4	5807.7	5589.5	5814.2	5820.7	5873.0
40°	7795.0	7814.6	7682.6	7427.8	7126.0	6633.4	6214.0	6312.0	6272.8	6360.4
42.5°	8325.4	8364.6	8249.6	8121.6	7946.5	7512.7	6987.5	6970.5	6907.8	6954.8
45°	8784.0	8816.7	8713.5	8683.4	8679.5	8375.1	7832.9	7730.9	7643.4	7634.3
47.5°	8952.6	9015.3	9059.7	9160.3	9356.3	9228.3	8706.9	8548.9	8450.9	8379.0
50°	9016.6	9083.2	9234.8	9527.5	9991.3	10046.2	9577.1	9399.4	9279.2	9148.6
52.5°	8930.4	9049.3	9253.1	9745.7	10418.5	10702.1	10412.0	10256.5	10119.3	9906.4
55°	8422.1	8541.0	8957.8	9743.1	10631.5	11162.0	11201.2	11131.9	10977.8	10642.0
57.5°	7350.7	7527.1	8186.9	9411.2	10627.6	11557.9	11974.7	12024.3	11851.8	11371.0
60°	5866.5	6105.6	6910.4	8675.6	10299.6	11772.1	12652.8	12901.0	12718.1	12089.6
62.5°	4093.5	4370.5	5132.2	7523.2	9549.7	11618.0	13148.0	13606.6	13468.1	12732.5
65°	2496.8	2585.7	3199.8	5920.0	8274.5	10972.5	13300.8	13988.1	13942.3	13125.7
67.5°	1663.3	1737.7	1914.1	4059.5	6423.1	9682.9	12935.0	13921.4	13934.5	13061.7
70°	1002.1	1066.2	1181.1	2361.0	4162.7	7664.3	11802.2	13072.2	13148.0	12205.9
72.5°	412.9	456.0	560.5	1070.1	2155.8	4864.3	9398.1	11223.4	11399.8	10263.1
75°	233.9	256.1	329.3	537.0	935.5	2266.9	5692.7	7967.4	8227.4	7073.7
77.5°	155.5	165.9	213.0	347.5	526.5	773.5	2432.8	4151.0	4647.4	3863.5
80°	104.5	113.7	146.3	232.6	342.3	331.9	774.8	1537.8	1891.9	1327.5
82.5°	70.6	71.9	104.5	152.9	216.9	160.7	228.6	478.2	601.0	384.1
85°	40.5	39.2	77.1	88.8	96.7	66.6	69.2	143.7	188.1	162.0
87.5°	5.2	7.8	30.1	23.5	13.1	14.4	14.4	24.8	36.6	39.2
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°
2266.9	0°	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9	2266.9
2269.5	2.5°	2269.5	2268.2	2264.3	2260.4	2251.2	2246.0	2248.6	2246.0	2244.7	2246.0
2286.5	5°	2286.5	2282.6	2272.1	2259.0	2240.8	2218.5	2204.2	2183.3	2163.7	2151.9
2332.2	7.5°	2332.2	2328.3	2313.9	2277.3	2218.5	2125.8	2040.9	1966.4	1910.2	1877.5
2405.4	10°	2405.4	2398.9	2376.6	2295.6	2141.5	1938.9	1770.4	1630.6	1539.1	1496.0
2491.6	12.5°	2491.6	2483.8	2444.6	2278.6	1995.1	1678.9	1446.4	1290.9	1206.0	1168.1
2590.9	15°	2593.5	2583.1	2506.0	2197.6	1782.2	1391.5	1178.5	1062.2	1007.4	973.4
2717.7	17.5°	2720.3	2702.0	2551.7	2076.1	1550.9	1172.0	1013.9	926.4	878.0	845.3
2883.6	20°	2884.9	2854.8	2588.3	1931.1	1337.9	1033.5	902.8	829.7	793.1	764.3
3118.8	22.5°	3114.8	3071.7	2632.7	1774.3	1187.7	938.1	820.5	767.0	736.9	704.2
3446.7	25°	3399.7	3348.7	2687.6	1629.3	1084.4	855.8	760.4	716.0	680.7	642.8
3876.6	27.5°	3798.2	3706.7	2752.9	1510.4	995.6	785.2	705.5	655.9	615.4	584.0
4363.9	30°	4242.4	4092.2	2810.4	1438.5	914.6	719.9	633.7	584.0	546.1	523.9
4801.6	32.5°	4663.1	4459.3	2848.3	1407.2	841.4	645.4	555.3	501.7	473.0	466.4
5230.2	35°	5060.3	4791.2	2844.4	1377.1	776.1	571.0	478.2	423.3	401.1	405.0
5691.4	37.5°	5517.6	5145.3	2817.0	1330.1	722.5	503.0	411.6	363.2	343.6	344.9
6251.9	40°	6049.4	5554.2	2800.0	1241.2	663.7	440.3	356.7	317.5	303.1	297.9
6842.5	42.5°	6616.4	5950.1	2802.6	1140.6	590.6	384.1	318.8	286.1	273.1	269.2
7499.7	45°	7186.1	6327.7	2806.5	1036.1	513.5	341.0	291.4	263.9	256.1	250.9
8166.0	47.5°	7721.8	6649.1	2733.3	923.7	437.7	308.3	269.2	250.9	244.3	237.8
8835.0	50°	8220.9	6863.4	2556.9	793.1	377.6	282.2	252.2	239.1	232.6	226.0
9441.2	52.5°	8609.0	6897.4	2265.6	658.5	335.8	262.6	241.7	230.0	222.1	215.6
9931.2	55°	8781.4	6684.4	1851.4	533.1	303.1	245.6	231.3	219.5	210.4	203.8
10316.6	57.5°	8737.0	6236.2	1443.8	428.6	271.8	228.6	218.2	210.4	199.9	189.5
10628.9	60°	8518.8	5636.5	1088.4	356.7	243.0	210.4	203.8	197.3	182.9	167.2
10749.1	62.5°	8141.2	4882.6	776.1	295.3	211.7	189.5	186.8	181.6	160.7	132.0
10571.4	65°	7563.7	3966.7	522.6	245.6	181.6	165.9	167.2	158.1	130.7	98.0
9920.7	67.5°	6719.7	2900.6	334.5	201.2	151.6	138.5	139.8	134.6	111.1	83.6
8687.3	70°	5644.4	1920.6	218.2	152.9	121.5	107.1	115.0	116.3	94.1	67.9
6667.4	72.5°	4137.9	1134.1	152.9	113.7	88.8	74.5	94.1	96.7	75.8	51.0
4011.2	75°	2358.3	538.3	115.0	82.3	54.9	52.3	73.2	73.2	52.3	34.0
1736.4	77.5°	990.4	224.7	81.0	53.6	31.4	30.1	49.6	45.7	26.1	15.7
423.3	80°	286.1	100.6	43.1	26.1	13.1	11.8	19.6	14.4	6.5	2.6
160.7	82.5°	112.4	44.4	17.0	10.5	5.2	5.2	2.6	0.0	0.0	0.0
91.5	85°	66.6	18.3	7.8	3.9	1.3	0.0	0.0	0.0	0.0	0.0
19.6	87.5°	17.0	3.9	2.6	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°
2266.9
2251.2
2154.5
1878.8
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974.7
842.7
759.1
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638.9
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520.0
470.4
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