

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: P852632

Luminaire Tested: **GLAN-SB5B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21134 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

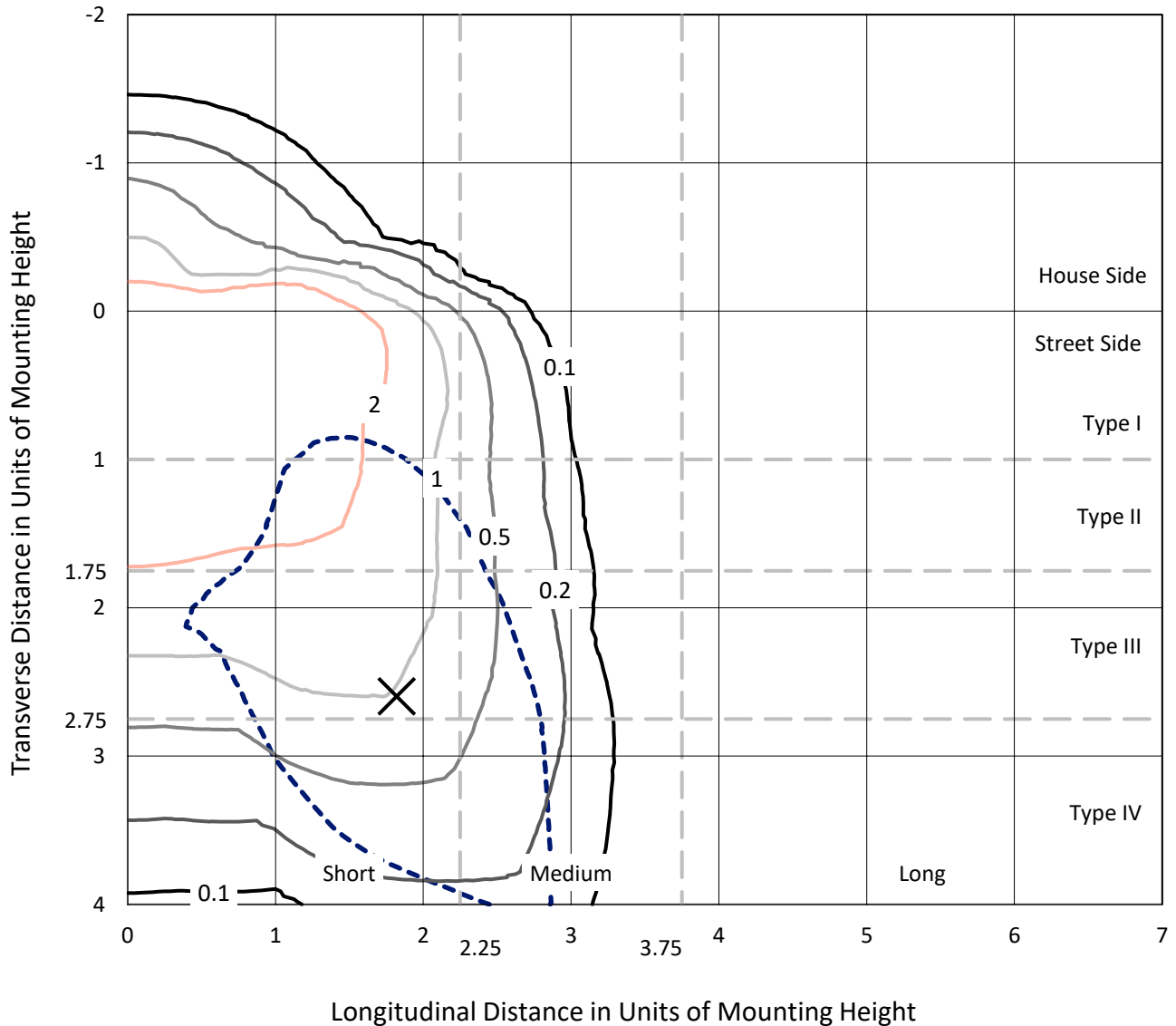
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

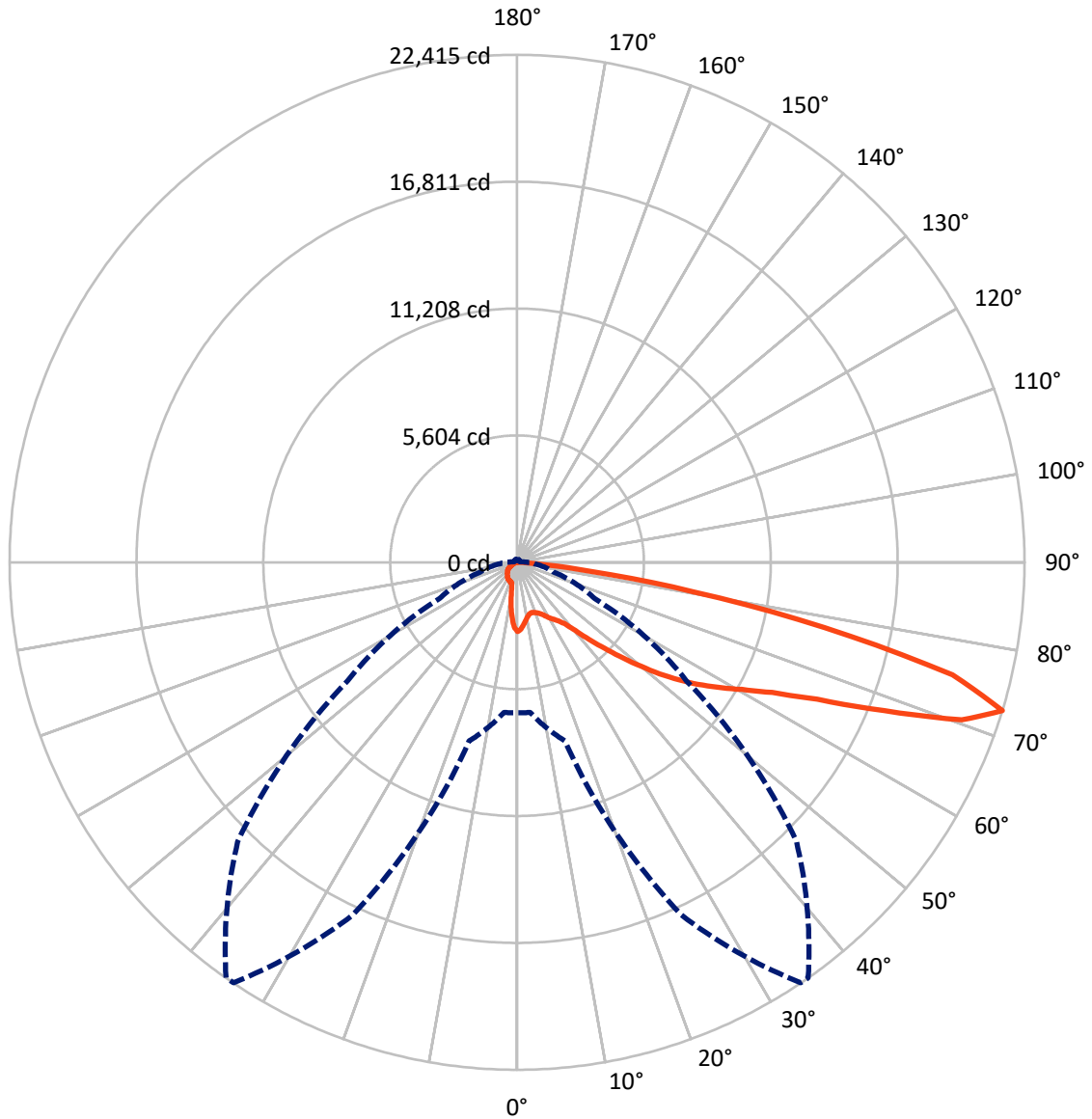
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2378.5	0.0	2378.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18755.5	0.0	18755.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	21134.0	0.0	21134.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	1.2
10°-20°	588.8	2.8
20°-30°	956.5	4.5
30°-40°	1595.9	7.6
40°-50°	3019.6	14.3
50°-60°	4798.1	22.7
60°-70°	5935.6	28.1
70°-80°	3689.6	17.5
80°-90°	298.2	1.4
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°	21134.0	100.0
0°-180°	21134.0	100.0

Coefficient of Utilization



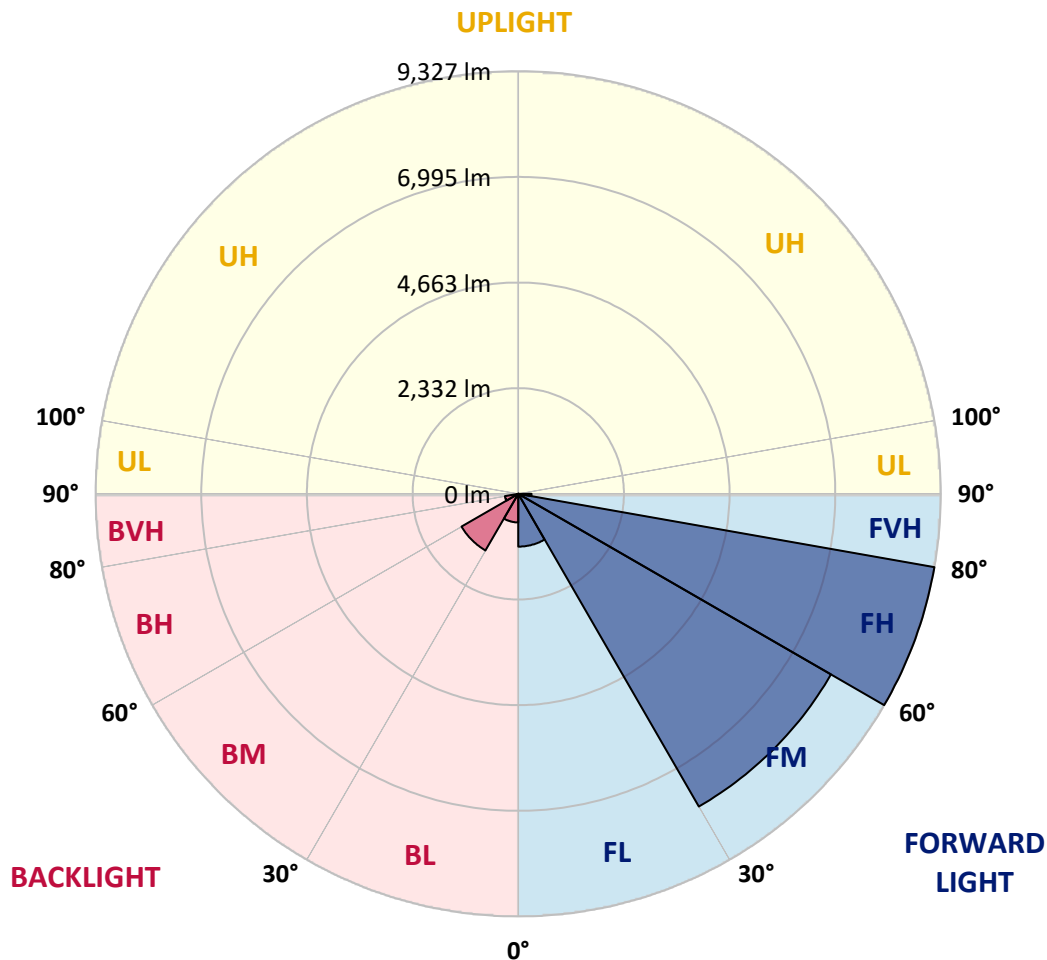
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1165.0	5.5			
FM (30°-60°)	7969.6	37.7			
FH (60°-80°)	9326.7	44.1			G4/12000
FVH (80°-90°)	294.1	1.4			G3/500
BL (0°-30°)	632.0	3.0	B2/1000		
BM (30°-60°)	1444.0	6.8	B2/2500		
BH (60°-80°)	298.5	1.4	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0
2.5°	2926.8	2951.5	2956.2	2963.9	2963.9	2973.2	2988.7	3010.4	3046.0	3064.6
5°	2697.6	2716.2	2739.4	2758.0	2793.6	2798.2	2858.6	2917.5	2999.5	3061.5
7.5°	2466.8	2488.5	2519.5	2564.4	2610.8	2624.8	2716.2	2815.3	2945.3	3061.5
10°	2304.2	2305.8	2333.7	2378.6	2452.9	2469.9	2581.4	2722.3	2884.9	3042.9
12.5°	2212.9	2223.7	2236.1	2270.2	2341.4	2352.2	2471.5	2637.2	2824.5	3032.1
15°	2212.9	2220.6	2228.4	2245.4	2302.7	2312.0	2417.3	2583.0	2793.6	3036.7
17.5°	2236.1	2248.5	2242.3	2262.4	2322.8	2329.0	2421.9	2567.5	2792.0	3066.1
20°	2291.8	2301.1	2288.8	2301.1	2361.5	2373.9	2469.9	2596.9	2818.4	3117.2
22.5°	2380.1	2384.8	2355.3	2364.6	2426.6	2442.1	2553.6	2680.5	2881.8	3199.3
25°	2491.6	2500.9	2456.0	2466.8	2525.7	2544.3	2672.8	2806.0	2982.5	3312.3
27.5°	2620.1	2624.8	2586.1	2584.5	2660.4	2686.7	2816.8	2960.8	3117.2	3454.8
30°	2767.3	2781.2	2744.0	2737.8	2833.8	2855.5	2984.0	3151.3	3315.4	3668.5
32.5°	2883.4	2894.2	2872.6	2888.0	2985.6	3002.6	3186.9	3420.7	3626.7	3972.0
35°	3050.6	3056.8	3007.3	3035.2	3146.6	3190.0	3464.1	3798.6	4018.5	4353.0
37.5°	3656.1	3656.1	3445.5	3307.7	3414.5	3453.3	3843.5	4274.0	4501.6	4864.0
40°	4493.9	4479.9	4171.8	3889.9	3876.0	3951.9	4383.9	4873.3	5125.7	5477.2
42.5°	5387.4	5365.7	4946.1	4667.3	4620.9	4647.2	5008.0	5611.9	5869.0	6225.2
45°	6180.2	6174.1	5790.0	5415.3	5331.6	5415.3	5786.9	6476.0	6660.3	7035.0
47.5°	6844.6	6844.6	6564.3	6319.6	6276.3	6325.8	6841.5	7434.6	7417.5	7897.6
50°	7609.6	7603.4	7337.0	7231.7	7276.6	7346.3	8055.5	8444.2	8201.1	8744.6
52.5°	8145.4	8182.5	8091.2	8074.1	8303.3	8424.1	9288.2	9432.2	8902.6	9548.3
55°	8569.7	8613.0	8718.3	8837.6	9278.9	9436.8	10482.1	10369.1	9489.5	10245.2
57.5°	9170.5	9108.6	9271.1	9506.5	10220.4	10410.9	11638.9	11253.3	9961.8	10810.4
60°	9899.9	9909.1	9937.0	10234.3	11160.4	11405.0	12778.6	12089.5	10265.3	11157.3
62.5°	10776.3	10790.3	10847.6	11304.4	12422.4	12653.2	13992.7	12774.0	10404.7	11059.7
65°	10715.9	10774.8	11414.3	12976.8	14341.1	14568.7	15409.6	13254.0	10194.1	10167.8
67.5°	9762.0	9858.0	10928.1	14974.4	17233.8	17487.7	17122.3	13348.5	9285.1	7906.9
70°	8510.8	8544.9	9831.7	16770.8	20583.3	20840.3	18655.3	12309.4	7045.9	4410.3
72.5°	6646.4	6654.1	8163.9	17187.3	22401.3	22415.2	17452.1	9138.0	3789.3	1694.1
75°	4747.8	4701.4	5467.9	13938.5	19708.4	19866.3	13083.7	4286.4	1447.9	800.6
77.5°	2545.8	2596.9	3094.0	8266.1	13614.8	13884.3	7138.8	1235.7	737.1	545.1
80°	786.7	830.0	1268.3	3784.6	7711.8	7874.4	2646.5	549.7	514.1	388.7
82.5°	247.8	257.1	591.5	1590.4	3200.8	3275.2	766.5	311.3	351.5	257.1
85°	71.2	72.8	263.3	593.1	791.3	806.8	215.2	120.8	201.3	159.5
87.5°	7.7	24.8	99.1	99.1	69.7	68.1	23.2	26.3	57.3	20.1
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°
3063.0	0°	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0	3063.0
3077.0	2.5°	3069.2	3070.8	3050.6	3016.6	2979.4	2948.4	2909.7	2878.7	2857.1	2850.9
3104.8	5°	3090.9	3080.1	3022.8	2919.0	2795.1	2688.3	2569.0	2474.6	2412.6	2386.3
3134.3	7.5°	3123.4	3092.4	2967.0	2762.6	2525.7	2315.1	2101.4	1935.7	1830.4	1777.7
3162.1	10°	3151.3	3089.4	2874.1	2536.5	2174.2	1855.2	1567.1	1367.4	1255.9	1203.2
3194.7	12.5°	3177.6	3087.8	2753.3	2268.6	1777.7	1387.5	1119.6	1020.5	989.5	978.7
3247.3	15°	3227.2	3092.4	2601.6	1962.0	1382.9	1048.4	950.8	949.3	955.5	952.4
3327.8	17.5°	3295.3	3097.1	2429.7	1636.8	1066.9	924.5	919.8	933.8	943.1	938.4
3428.5	20°	3383.6	3115.7	2246.9	1314.7	916.7	893.5	904.4	916.7	924.5	916.7
3563.2	22.5°	3507.5	3148.2	2047.2	1056.1	868.7	874.9	884.2	898.2	905.9	895.1
3735.1	25°	3659.2	3199.3	1850.5	918.3	845.5	853.2	867.2	882.7	892.0	881.1
3951.9	27.5°	3855.9	3281.4	1669.3	887.3	822.3	826.9	847.1	870.3	882.7	868.7
4260.1	30°	4140.8	3416.1	1512.9	901.3	808.3	797.5	825.4	857.9	871.8	859.4
4679.7	32.5°	4518.7	3606.6	1416.9	922.9	802.1	763.4	789.8	831.6	854.8	847.1
5227.9	35°	5014.2	3896.1	1379.8	947.7	797.5	727.8	746.4	791.3	831.6	839.3
5918.5	37.5°	5615.0	4298.8	1390.6	958.6	783.6	698.4	707.7	746.4	799.1	823.8
6695.9	40°	6297.9	4768.0	1452.5	947.7	768.1	673.6	675.2	704.6	751.0	788.2
7532.1	42.5°	7002.5	5316.2	1567.1	907.4	754.1	651.9	647.3	667.4	698.4	724.7
8366.8	45°	7673.0	5879.8	1680.2	851.7	737.1	630.3	619.4	627.2	633.4	644.2
9179.8	47.5°	8258.4	6276.3	1647.7	800.6	713.9	605.5	586.9	583.8	565.2	563.7
9906.1	50°	8662.6	6363.0	1463.4	749.5	679.8	577.6	548.2	529.6	497.1	481.6
10449.6	52.5°	8791.1	6020.7	1195.5	698.4	624.1	540.4	498.6	469.2	428.9	415.0
10762.4	55°	8620.8	5350.2	955.5	636.5	546.6	490.9	444.4	405.7	373.2	356.2
10796.5	57.5°	8204.2	4497.0	755.7	563.7	464.6	435.1	388.7	350.0	322.1	305.1
10418.6	60°	7513.5	3570.9	597.7	477.0	396.4	374.7	326.7	302.0	277.2	257.1
9443.0	62.5°	6465.2	2548.9	469.2	377.8	331.4	306.6	278.7	260.2	230.7	202.9
7688.5	65°	5045.2	1559.4	362.4	277.2	266.4	254.0	236.9	219.9	184.3	156.4
5015.7	67.5°	3182.3	738.7	258.6	209.1	210.6	204.4	196.7	182.7	156.4	131.6
2246.9	70°	1401.4	357.7	170.3	159.5	156.4	156.4	162.6	158.0	133.2	109.9
780.5	72.5°	477.0	192.0	127.0	120.8	113.0	111.5	136.3	131.6	106.8	85.2
388.7	75°	249.3	128.5	92.9	86.7	68.1	82.1	108.4	102.2	75.9	55.7
257.1	77.5°	162.6	91.4	63.5	55.7	38.7	54.2	80.5	71.2	44.9	27.9
168.8	80°	102.2	60.4	37.2	26.3	18.6	29.4	43.4	31.0	17.0	6.2
99.1	82.5°	54.2	31.0	13.9	9.3	7.7	9.3	10.8	7.7	3.1	0.0
51.1	85°	21.7	10.8	4.6	3.1	1.5	0.0	3.1	1.5	0.0	0.0
9.3	87.5°	7.7	1.5	0.0	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°
3063.0
2861.7
2395.6
1785.5
1204.8
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950.8
936.9
915.2
893.5
879.6
868.7
857.9
847.1
839.3
830.0
800.6
735.6
650.4
562.1
483.1
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356.2
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