

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: P848877

Luminaire Tested: **GLAN-SB5C-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848877
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-SB5C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 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: 19107 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

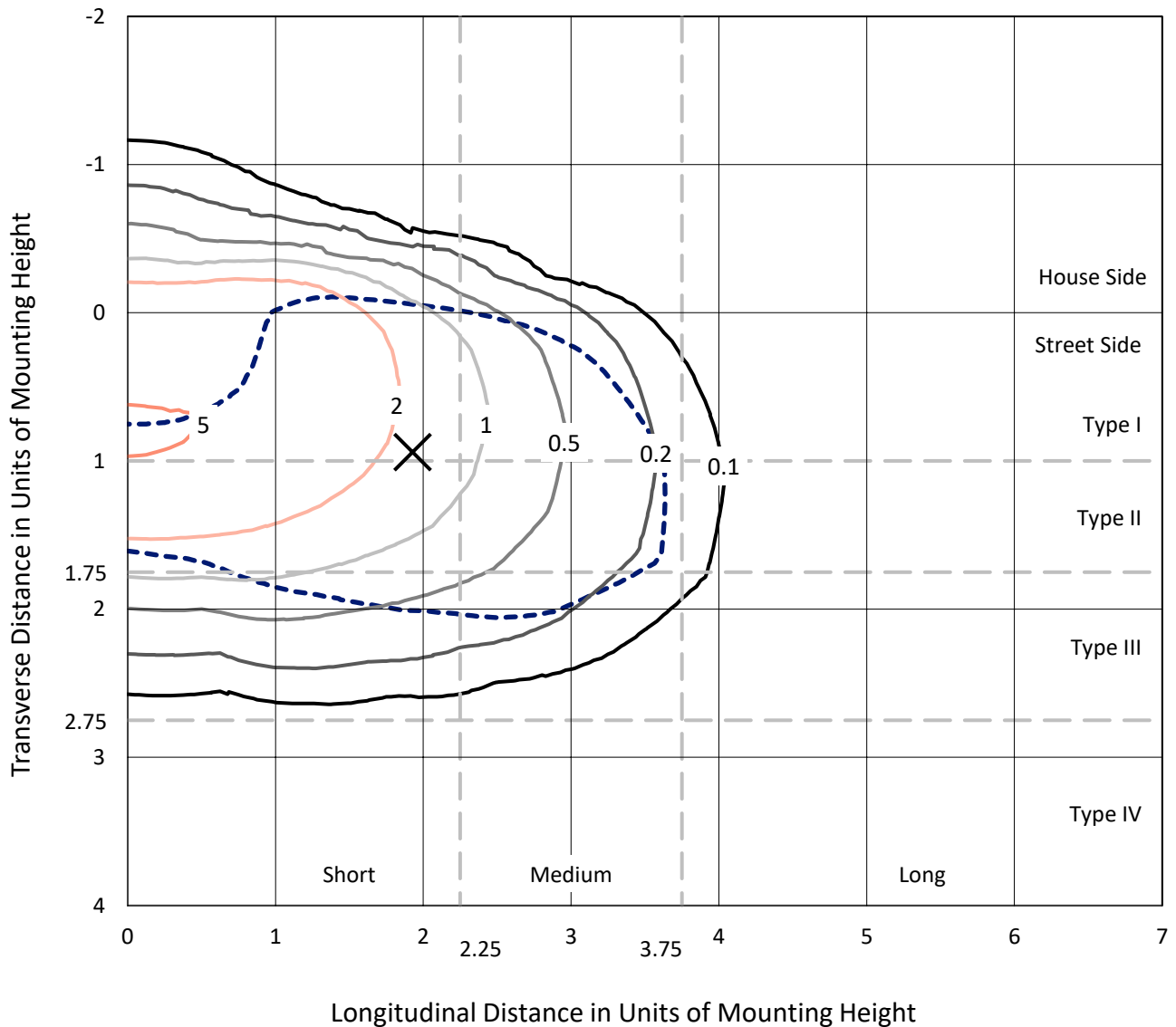
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

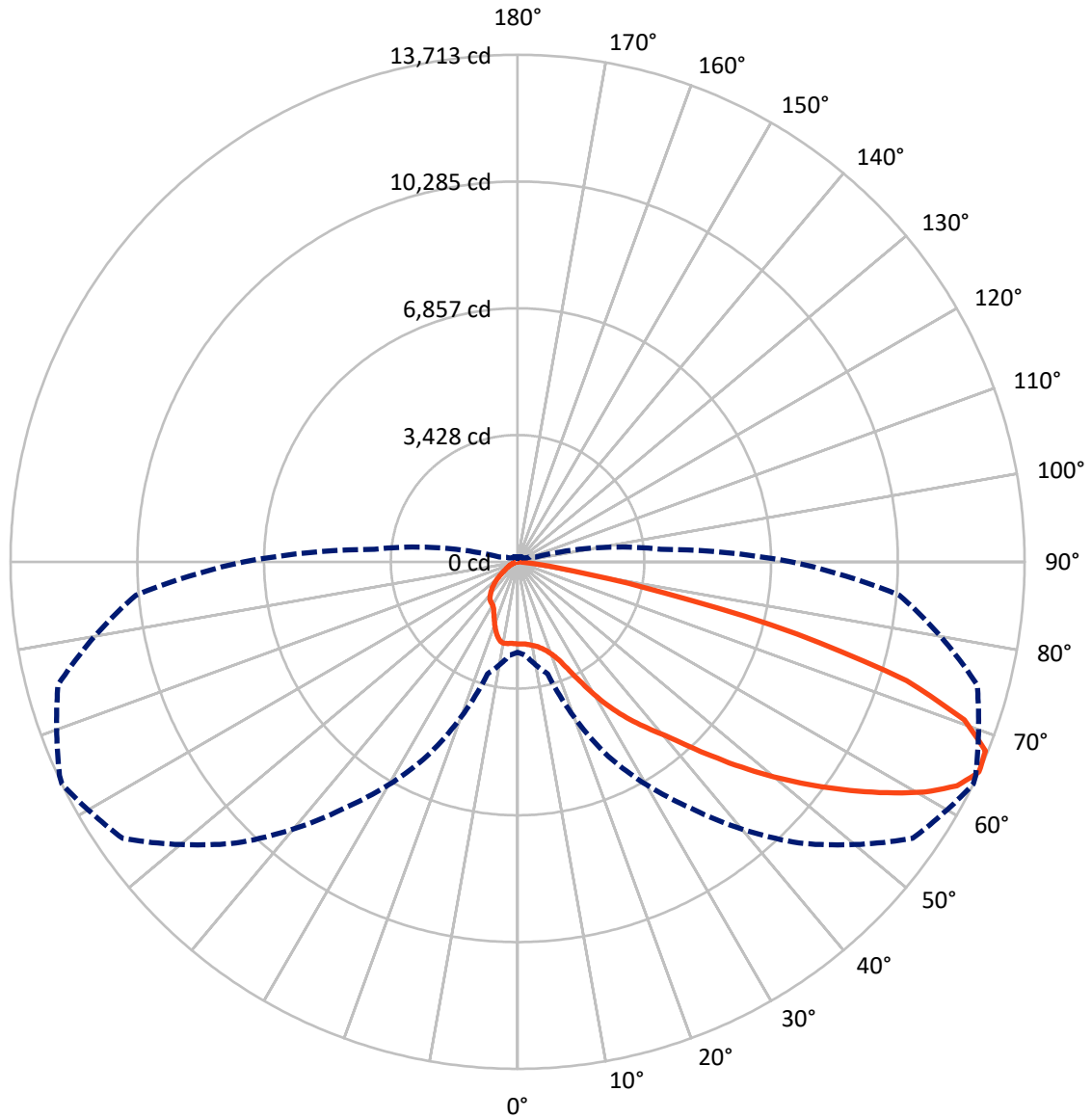
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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
House Side	Lumens	2555.2	0.0	2555.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16551.8	0.0	16551.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	19107.0	0.0	19107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	1.1
10°-20°	556.1	2.9
20°-30°	1053.8	5.5
30°-40°	2132.4	11.2
40°-50°	3632.5	19.0
50°-60°	4939.9	25.9
60°-70°	4638.8	24.3
70°-80°	1858.5	9.7
80°-90°	90.0	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°	19107.0	100.0
0°-180°	19107.0	100.0

Coefficient of Utilization



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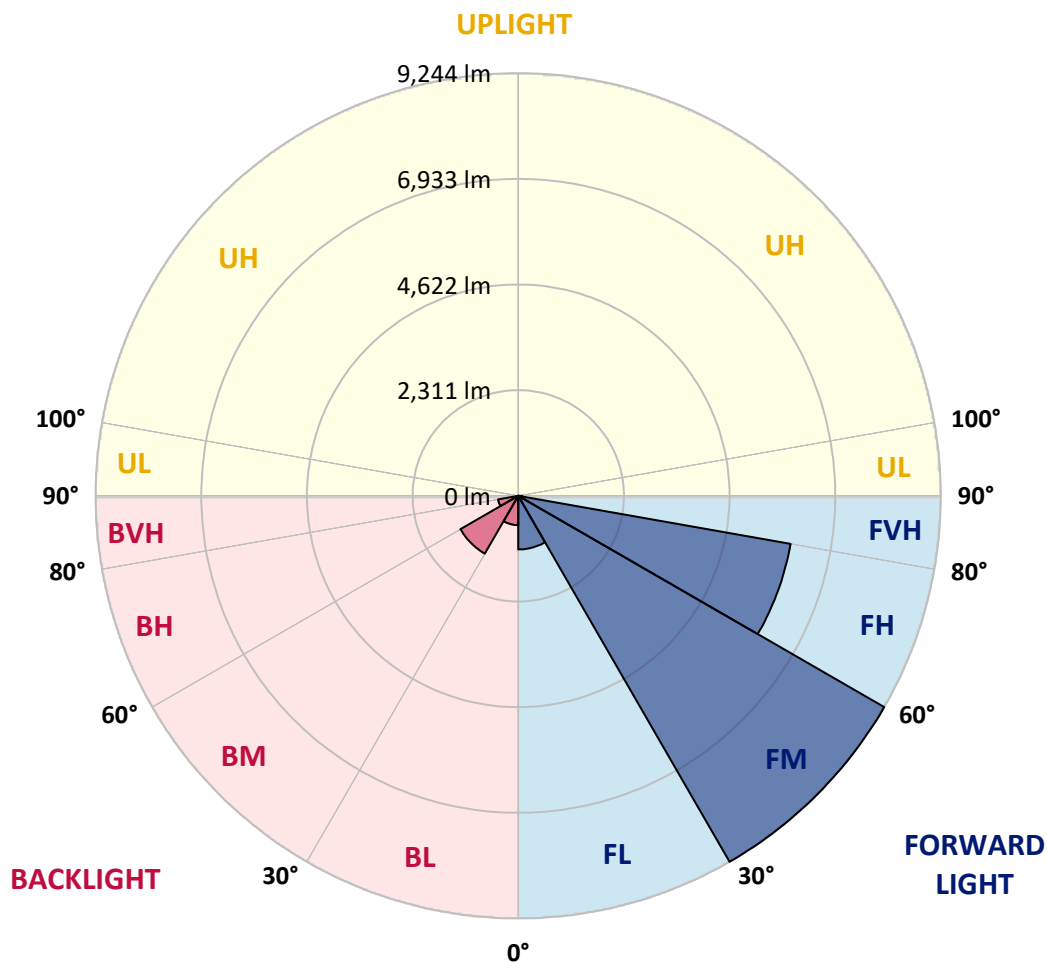
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.4	6.1			
FM (30°-60°)	9243.9	48.4			
FH (60°-80°)	6048.8	31.7			G3/7500
FVH (80°-90°)	85.6	0.4			G1/100
BL (0°-30°)	641.5	3.4	B2/1000		
BM (30°-60°)	1460.8	7.6	B2/2500		
BH (60°-80°)	448.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.4	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°	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3
2.5°	2214.7	2230.0	2226.2	2222.3	2221.1	2223.6	2224.9	2223.6	2223.6	2223.6
5°	2172.4	2185.2	2185.2	2194.2	2207.0	2222.3	2233.9	2236.4	2239.0	2242.8
7.5°	2091.7	2101.9	2109.6	2139.1	2171.1	2212.1	2246.7	2264.6	2267.2	2281.3
10°	2036.6	2049.4	2062.2	2093.0	2139.1	2200.6	2259.5	2303.0	2309.4	2342.7
12.5°	2034.1	2046.9	2063.5	2096.8	2150.6	2215.9	2287.7	2350.4	2362.0	2410.6
15°	2061.0	2076.3	2091.7	2132.7	2190.3	2269.7	2346.6	2424.7	2436.3	2505.4
17.5°	2116.0	2136.5	2148.1	2189.0	2250.5	2338.9	2440.1	2529.8	2540.0	2620.7
20°	2224.9	2249.2	2253.1	2286.4	2346.6	2441.4	2561.8	2673.2	2686.0	2778.2
22.5°	2450.3	2484.9	2454.2	2470.8	2524.6	2619.4	2750.1	2891.0	2908.9	3013.9
25°	2847.4	2896.1	2816.7	2788.5	2811.6	2910.2	3074.1	3252.2	3272.7	3357.2
27.5°	3627.5	3564.7	3444.3	3326.5	3257.3	3313.7	3498.1	3718.4	3744.0	3826.0
30°	4484.4	4429.3	4266.6	4005.3	3841.4	3832.4	4002.8	4248.7	4278.2	4356.3
32.5°	5342.6	5290.1	5113.3	4791.8	4507.4	4366.6	4484.4	4757.2	4772.6	4822.5
35°	6186.7	6132.9	5956.1	5626.9	5277.3	4957.0	4934.0	5241.4	5246.5	5299.0
37.5°	7035.9	6991.1	6802.8	6480.0	6135.5	5693.6	5479.6	5700.0	5706.4	5757.6
40°	7641.8	7661.0	7531.6	7281.9	6986.0	6503.1	6091.9	6188.0	6149.5	6235.4
42.5°	8161.8	8200.3	8087.5	7962.0	7790.4	7365.1	6850.2	6833.5	6772.1	6818.2
45°	8611.4	8643.4	8542.2	8512.8	8508.9	8210.5	7678.9	7579.0	7493.2	7484.2
47.5°	8776.7	8838.1	8881.7	8980.3	9172.4	9046.9	8535.8	8380.9	8284.8	8214.3
50°	8839.4	8904.7	9053.3	9340.2	9795.0	9848.8	9388.9	9214.7	9096.9	8968.8
52.5°	8754.9	8871.4	9071.3	9554.2	10213.8	10491.8	10207.4	10055.0	9920.5	9711.7
55°	8256.6	8373.2	8781.8	9551.6	10422.6	10942.6	10981.1	10913.2	10762.0	10432.8
57.5°	7206.3	7379.2	8026.1	9226.2	10418.8	11330.7	11739.3	11788.0	11618.9	11147.6
60°	5751.2	5985.6	6774.6	8505.1	10097.2	11540.8	12404.1	12647.5	12468.2	11852.1
62.5°	4013.0	4284.6	5031.3	7375.4	9362.0	11389.7	12889.6	13339.2	13203.4	12482.3
65°	2447.8	2534.9	3136.9	5803.7	8111.9	10756.9	13039.5	13713.2	13668.4	12867.8
67.5°	1630.6	1703.6	1876.5	3979.7	6296.9	9492.7	12680.8	13647.9	13660.7	12805.0
70°	982.4	1045.2	1157.9	2314.6	4080.9	7513.7	11570.3	12815.3	12889.6	11966.1
72.5°	404.8	447.0	549.5	1049.0	2113.5	4768.7	9213.4	11002.8	11175.8	10061.4
75°	229.3	251.1	322.8	526.4	917.1	2222.3	5580.8	7810.9	8065.8	6934.7
77.5°	152.4	162.7	208.8	340.7	516.2	758.3	2385.0	4069.4	4556.1	3787.6
80°	102.5	111.4	143.5	228.0	335.6	325.3	759.6	1507.6	1854.7	1301.4
82.5°	69.2	70.4	102.5	149.9	212.6	157.5	224.2	468.8	589.2	376.6
85°	39.7	38.4	75.6	87.1	94.8	65.3	67.9	140.9	184.4	158.8
87.5°	5.1	7.7	29.5	23.1	12.8	14.1	14.1	24.3	35.9	38.4
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°
2222.3	0°	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3	2222.3
2224.9	2.5°	2224.9	2223.6	2219.8	2215.9	2207.0	2201.8	2204.4	2201.8	2200.6	2201.8
2241.6	5°	2241.6	2237.7	2227.5	2214.7	2196.7	2174.9	2160.9	2140.4	2121.2	2109.6
2286.4	7.5°	2286.4	2282.5	2268.5	2232.6	2174.9	2084.0	2000.7	1927.7	1872.7	1840.6
2358.1	10°	2358.1	2351.7	2329.9	2250.5	2099.4	1900.8	1735.6	1598.5	1508.9	1466.6
2442.7	12.5°	2442.7	2435.0	2396.5	2233.9	1955.9	1645.9	1417.9	1265.5	1182.3	1145.1
2540.0	15°	2542.6	2532.3	2456.7	2154.5	1747.1	1364.1	1155.4	1041.4	987.6	954.3
2664.2	17.5°	2666.8	2648.9	2501.6	2035.3	1520.4	1149.0	994.0	908.2	860.8	828.7
2826.9	20°	2828.2	2798.7	2537.4	1893.2	1311.6	1013.2	885.1	813.4	777.5	749.3
3057.5	22.5°	3053.6	3011.4	2581.0	1739.4	1164.3	919.7	804.4	751.9	722.4	690.4
3379.0	25°	3332.9	3282.9	2634.8	1597.3	1063.1	839.0	745.5	701.9	667.3	630.2
3800.4	27.5°	3723.5	3633.9	2698.8	1480.7	976.0	769.8	691.7	643.0	603.3	572.6
4278.2	30°	4159.0	4011.7	2755.2	1410.3	896.6	705.8	621.2	572.6	535.4	513.6
4707.3	32.5°	4571.5	4371.7	2792.3	1379.5	824.9	632.8	544.4	491.9	463.7	457.3
5127.4	35°	4960.9	4697.0	2788.5	1350.1	760.8	559.7	468.8	415.0	393.2	397.1
5579.6	37.5°	5409.2	5044.1	2761.6	1303.9	708.3	493.1	403.5	356.1	336.9	338.2
6129.1	40°	5930.5	5445.1	2744.9	1216.8	650.7	431.7	349.7	311.3	297.2	292.0
6708.0	42.5°	6486.4	5833.2	2747.5	1118.2	579.0	376.6	312.5	280.5	267.7	263.9
7352.3	45°	7044.9	6203.3	2751.3	1015.7	503.4	334.3	285.6	258.7	251.1	245.9
8005.6	47.5°	7570.1	6518.4	2679.6	905.6	429.1	302.3	263.9	245.9	239.5	233.1
8661.4	50°	8059.4	6728.5	2506.7	777.5	370.2	276.7	247.2	234.4	228.0	221.6
9255.7	52.5°	8439.8	6761.8	2221.1	645.6	329.2	257.5	237.0	225.4	217.8	211.3
9736.0	55°	8608.9	6553.0	1815.0	522.6	297.2	240.8	226.7	215.2	206.2	199.8
10113.9	57.5°	8565.3	6113.7	1415.4	420.1	266.4	224.2	213.9	206.2	196.0	185.7
10420.0	60°	8351.4	5525.8	1067.0	349.7	238.2	206.2	199.8	193.4	179.3	164.0
10537.9	62.5°	7981.2	4786.7	760.8	289.5	207.5	185.7	183.2	178.0	157.5	129.4
10363.7	65°	7415.1	3888.8	512.4	240.8	178.0	162.7	164.0	155.0	128.1	96.1
9725.8	67.5°	6587.6	2843.6	327.9	197.3	148.6	135.8	137.1	131.9	108.9	82.0
8516.6	70°	5533.4	1882.9	213.9	149.9	119.1	105.0	112.7	114.0	92.2	66.6
6536.4	72.5°	4056.6	1111.8	149.9	111.4	87.1	73.0	92.2	94.8	74.3	50.0
3932.3	75°	2312.0	527.7	112.7	80.7	53.8	51.2	71.7	71.7	51.2	33.3
1702.3	77.5°	970.9	220.3	79.4	52.5	30.7	29.5	48.7	44.8	25.6	15.4
415.0	80°	280.5	98.6	42.3	25.6	12.8	11.5	19.2	14.1	6.4	2.6
157.5	82.5°	110.2	43.6	16.7	10.2	5.1	5.1	2.6	0.0	0.0	0.0
89.7	85°	65.3	17.9	7.7	3.8	1.3	0.0	0.0	0.0	0.0	0.0
19.2	87.5°	16.7	3.8	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°
2222.3
2207.0
2112.2
1841.9
1462.8
1141.3
955.5
826.2
744.2
685.3
626.4
566.2
509.8
461.1
397.1
343.3
290.8
262.6
245.9
233.1
221.6
210.1
198.5
184.4
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