

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: P849107

Luminaire Tested: **GLAN-SB6A-727-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849107
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-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 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: 18972 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

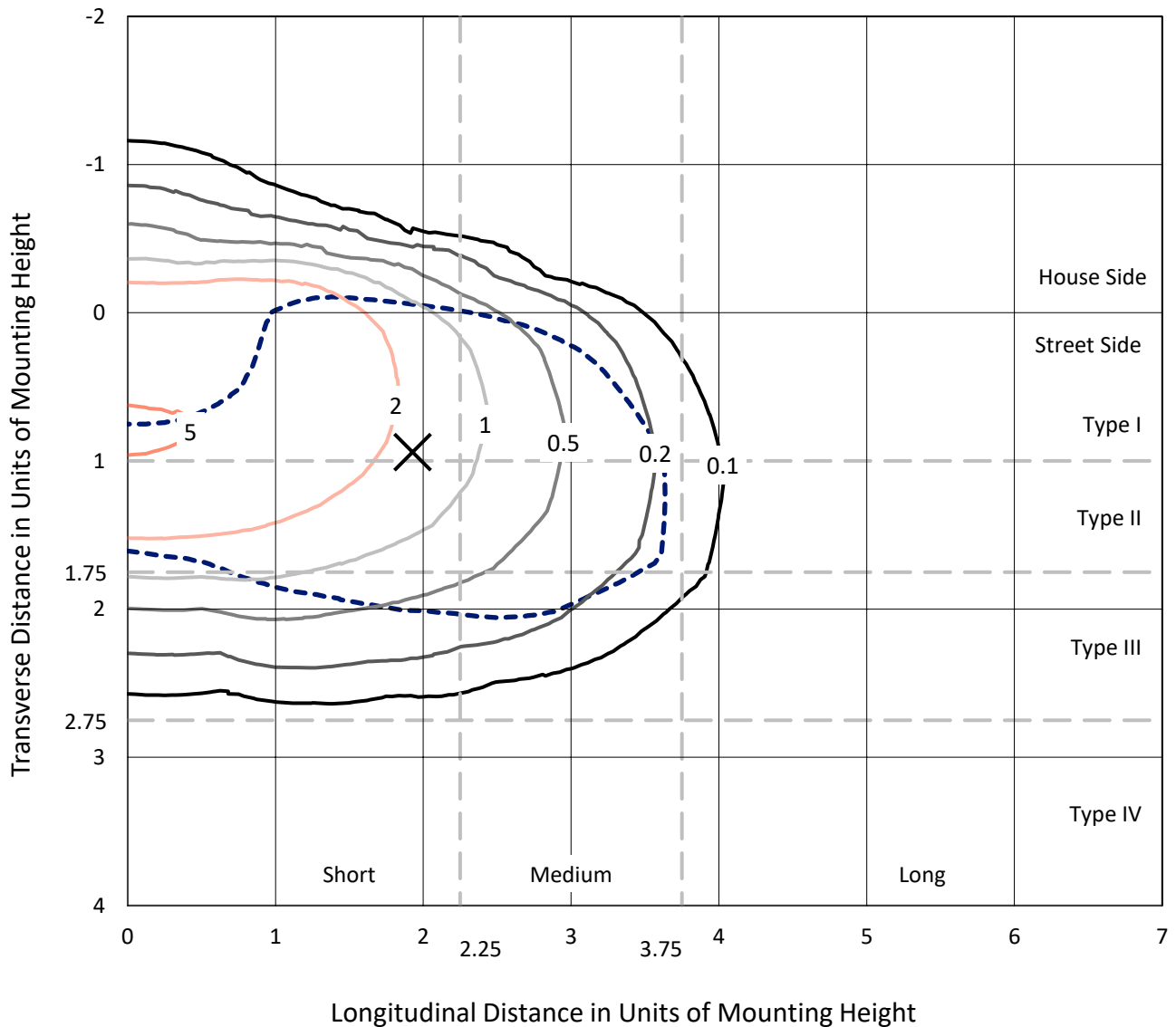
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

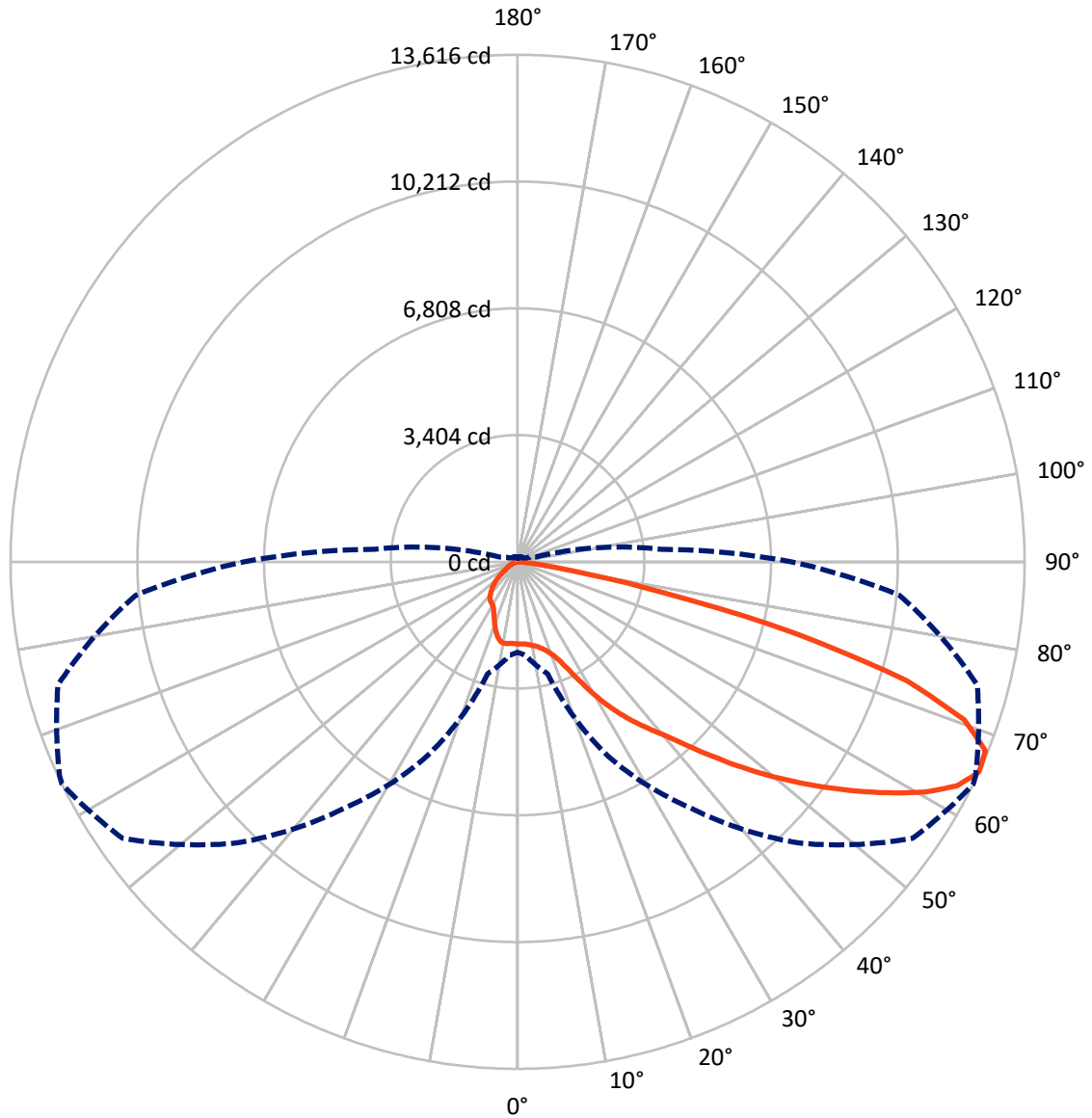
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	2537.1	0.0	2537.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16434.9	0.0	16434.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	18972.0	0.0	18972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	1.1
10°-20°	552.2	2.9
20°-30°	1046.3	5.5
30°-40°	2117.3	11.2
40°-50°	3606.8	19.0
50°-60°	4905.0	25.9
60°-70°	4606.0	24.3
70°-80°	1845.4	9.7
80°-90°	89.4	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°	18972.0	100.0
0°-180°	18972.0	100.0

Coefficient of Utilization



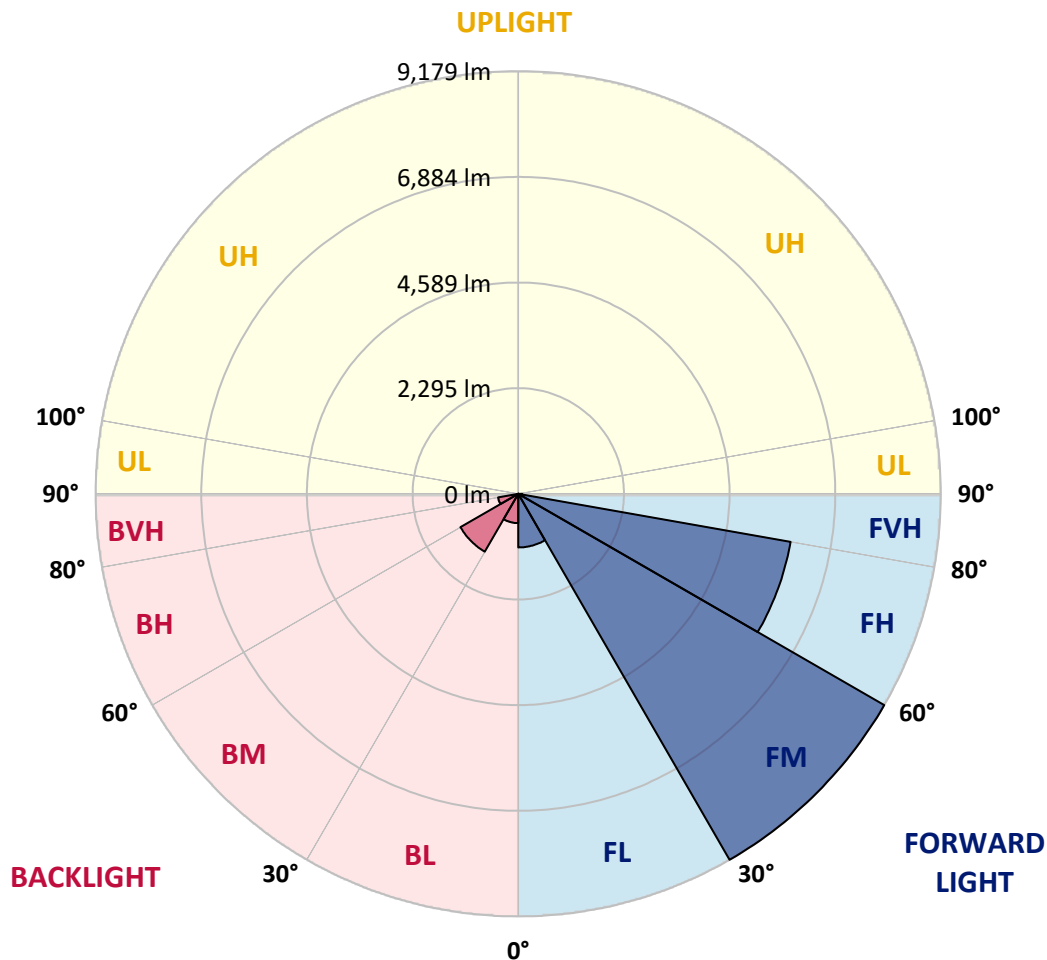
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1165.1	6.1			
FM (30°-60°)	9178.6	48.4			
FH (60°-80°)	6006.1	31.7			G3/7500
FVH (80°-90°)	85.0	0.4			G1/100
BL (0°-30°)	637.0	3.4	B2/1000		
BM (30°-60°)	1450.5	7.6	B2/2500		
BH (60°-80°)	445.3	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°	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6
2.5°	2199.0	2214.3	2210.5	2206.6	2205.4	2207.9	2209.2	2207.9	2207.9	2207.9
5°	2157.0	2169.8	2169.8	2178.7	2191.4	2206.6	2218.1	2220.6	2223.2	2227.0
7.5°	2076.9	2087.1	2094.7	2124.0	2155.8	2196.5	2230.8	2248.6	2251.2	2265.1
10°	2022.2	2034.9	2047.7	2078.2	2124.0	2185.0	2243.5	2286.8	2293.1	2326.2
12.5°	2019.7	2032.4	2048.9	2082.0	2135.4	2200.3	2271.5	2333.8	2345.3	2393.6
15°	2046.4	2061.7	2076.9	2117.6	2174.8	2253.7	2330.0	2407.6	2419.0	2487.7
17.5°	2101.1	2121.4	2132.9	2173.6	2234.6	2322.4	2422.9	2511.9	2522.1	2602.2
20°	2209.2	2233.3	2237.2	2270.2	2330.0	2424.1	2543.7	2654.3	2667.0	2758.6
22.5°	2433.0	2467.4	2436.8	2453.4	2506.8	2600.9	2730.6	2870.5	2888.3	2992.6
25°	2827.3	2875.6	2796.8	2768.8	2791.7	2889.6	3052.4	3229.2	3249.5	3333.5
27.5°	3601.8	3539.5	3420.0	3303.0	3234.3	3290.2	3473.4	3692.1	3717.6	3799.0
30°	4452.7	4398.0	4236.5	3977.0	3814.2	3805.3	3974.5	4218.7	4247.9	4325.5
32.5°	5304.8	5252.7	5077.2	4757.9	4475.6	4335.7	4452.7	4723.6	4738.9	4788.5
35°	6143.0	6089.6	5914.1	5587.2	5240.0	4922.0	4899.1	5204.4	5209.5	5261.6
37.5°	6986.2	6941.7	6754.7	6434.2	6092.1	5653.3	5440.9	5659.7	5666.0	5716.9
40°	7587.8	7606.9	7478.4	7230.4	6936.6	6457.1	6048.9	6144.3	6106.1	6191.3
42.5°	8104.2	8142.3	8030.4	7905.8	7735.3	7313.1	6801.8	6785.3	6724.2	6770.0
45°	8550.6	8582.4	8481.9	8452.6	8448.8	8152.5	7624.7	7525.5	7440.3	7431.4
47.5°	8714.6	8775.7	8818.9	8916.9	9107.6	8983.0	8475.5	8321.6	8226.3	8156.3
50°	8777.0	8841.8	8989.4	9274.2	9725.8	9779.2	9322.6	9149.6	9032.6	8905.4
52.5°	8693.0	8808.8	9007.2	9486.6	10141.6	10417.6	10135.3	9983.9	9850.4	9643.1
55°	8198.3	8314.0	8719.7	9484.1	10349.0	10865.3	10903.5	10836.1	10686.0	10359.1
57.5°	7155.4	7327.1	7969.3	9161.1	10345.1	11250.7	11656.4	11704.7	11536.9	11068.8
60°	5710.6	5943.3	6726.8	8445.0	10025.9	11459.3	12316.5	12558.1	12380.1	11768.3
62.5°	3984.7	4254.3	4995.8	7323.2	9295.9	11309.2	12798.5	13244.9	13110.1	12394.1
65°	2430.5	2517.0	3114.7	5762.7	8054.6	10680.9	12947.3	13616.3	13571.8	12776.9
67.5°	1619.1	1691.5	1863.2	3951.6	6252.4	9425.6	12591.2	13551.4	13564.2	12714.6
70°	975.5	1037.8	1149.7	2298.2	4052.1	7460.6	11488.5	12724.7	12798.5	11881.5
72.5°	401.9	443.9	545.6	1041.6	2098.5	4735.1	9148.3	10925.1	11096.8	9990.3
75°	227.7	249.3	320.5	522.7	910.6	2206.6	5541.4	7755.7	8008.8	6885.7
77.5°	151.3	161.5	207.3	338.3	512.6	752.9	2368.2	4040.6	4523.9	3760.8
80°	101.7	110.6	142.4	226.4	333.2	323.0	754.2	1497.0	1841.6	1292.2
82.5°	68.7	70.0	101.7	148.8	211.1	156.4	222.6	465.5	585.0	373.9
85°	39.4	38.2	75.0	86.5	94.1	64.9	67.4	139.9	183.1	157.7
87.5°	5.1	7.6	29.3	22.9	12.7	14.0	14.0	24.2	35.6	38.2
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°
2206.6	0°	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6
2209.2	2.5°	2209.2	2207.9	2204.1	2200.3	2191.4	2186.3	2188.8	2186.3	2185.0	2186.3
2225.7	5°	2225.7	2221.9	2211.7	2199.0	2181.2	2159.6	2145.6	2125.2	2106.2	2094.7
2270.2	7.5°	2270.2	2266.4	2252.4	2216.8	2159.6	2069.3	1986.6	1914.1	1859.4	1827.6
2341.5	10°	2341.5	2335.1	2313.5	2234.6	2084.5	1887.4	1723.3	1587.3	1498.2	1456.3
2425.4	12.5°	2425.4	2417.8	2379.6	2218.1	1942.1	1634.3	1407.9	1256.6	1173.9	1137.0
2522.1	15°	2524.6	2514.4	2439.4	2139.2	1734.8	1354.5	1147.2	1034.0	980.6	947.5
2645.4	17.5°	2648.0	2630.2	2483.9	2021.0	1509.7	1140.8	986.9	901.7	854.7	822.9
2806.9	20°	2808.2	2779.0	2519.5	1879.8	1302.4	1006.0	878.8	807.6	772.0	744.0
3035.9	22.5°	3032.1	2990.1	2562.8	1727.2	1156.1	913.2	798.7	746.6	717.3	685.5
3355.1	25°	3309.3	3259.7	2616.2	1586.0	1055.6	833.1	740.2	697.0	662.6	625.7
3773.5	27.5°	3697.2	3608.2	2679.8	1470.2	969.1	764.4	686.8	638.5	599.0	568.5
4247.9	30°	4129.7	3983.4	2735.7	1400.3	890.3	700.8	616.8	568.5	531.6	510.0
4674.0	32.5°	4539.2	4340.8	2772.6	1369.8	819.1	628.3	540.5	488.4	460.4	454.0
5091.2	35°	4925.8	4663.8	2768.8	1340.5	755.5	555.8	465.5	412.1	390.5	394.3
5540.1	37.5°	5371.0	5008.5	2742.1	1294.7	703.3	489.7	400.6	353.6	334.5	335.8
6085.7	40°	5888.6	5406.6	2725.6	1208.2	646.1	428.6	347.2	309.1	295.1	290.0
6660.6	42.5°	6440.6	5792.0	2728.1	1110.3	574.9	373.9	310.3	278.5	265.8	262.0
7300.4	45°	6995.1	6159.5	2731.9	1008.6	499.8	331.9	283.6	256.9	249.3	244.2
7949.0	47.5°	7516.6	6472.4	2660.7	899.2	426.1	300.2	262.0	244.2	237.8	231.5
8600.2	50°	8002.4	6681.0	2489.0	772.0	367.6	274.7	245.5	232.7	226.4	220.0
9190.3	52.5°	8380.1	6714.0	2205.4	641.0	326.9	255.6	235.3	223.8	216.2	209.9
9667.2	55°	8548.0	6506.7	1802.2	518.9	295.1	239.1	225.1	213.7	204.8	198.4
10042.4	57.5°	8504.8	6070.5	1405.4	417.2	264.5	222.6	212.4	204.8	194.6	184.4
10346.4	60°	8292.4	5486.7	1059.4	347.2	236.6	204.8	198.4	192.0	178.1	162.8
10463.4	62.5°	7924.8	4752.9	755.5	287.4	206.0	184.4	181.9	176.8	156.4	128.5
10290.4	65°	7362.7	3861.3	508.7	239.1	176.8	161.5	162.8	153.9	127.2	95.4
9657.1	67.5°	6541.1	2823.5	325.6	195.9	147.5	134.8	136.1	131.0	108.1	81.4
8456.5	70°	5494.3	1869.6	212.4	148.8	118.3	104.3	111.9	113.2	91.6	66.1
6490.2	72.5°	4027.9	1104.0	148.8	110.6	86.5	72.5	91.6	94.1	73.8	49.6
3904.5	75°	2295.7	524.0	111.9	80.1	53.4	50.9	71.2	71.2	50.9	33.1
1690.3	77.5°	964.1	218.8	78.9	52.1	30.5	29.3	48.3	44.5	25.4	15.3
412.1	80°	278.5	97.9	42.0	25.4	12.7	11.4	19.1	14.0	6.4	2.5
156.4	82.5°	109.4	43.2	16.5	10.2	5.1	5.1	2.5	0.0	0.0	0.0
89.0	85°	64.9	17.8	7.6	3.8	1.3	0.0	0.0	0.0	0.0	0.0
19.1	87.5°	16.5	3.8	2.5	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°
2206.6
2191.4
2097.3
1828.9
1452.4
1133.2
948.8
820.3
738.9
680.4
621.9
562.2
506.2
457.9
394.3
340.9
288.7
260.7
244.2
231.5
220.0
208.6
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