

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: P849357

Luminaire Tested: **GLAN-SB6B-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849357
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-SB6B-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA 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: 22174 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

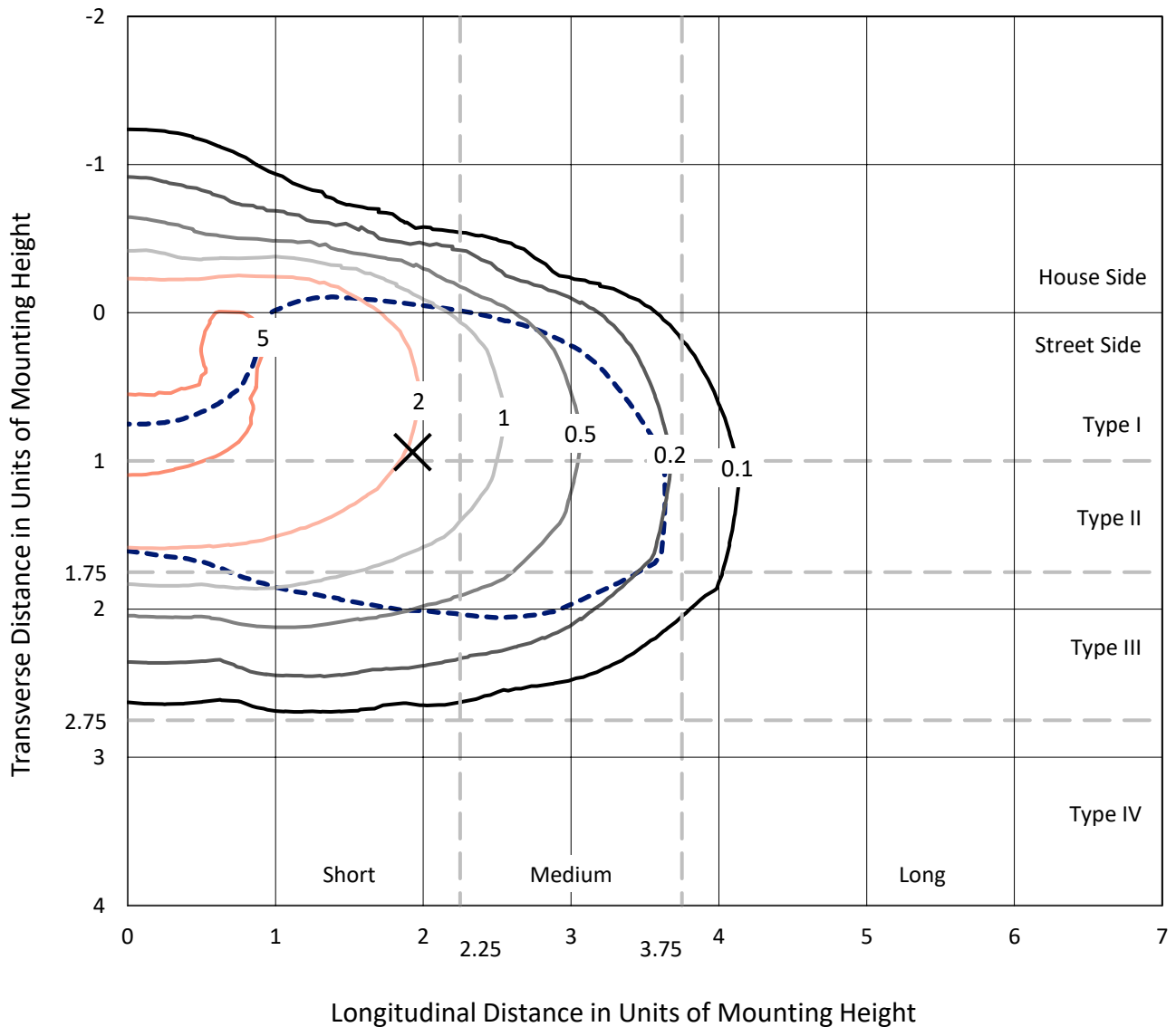
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

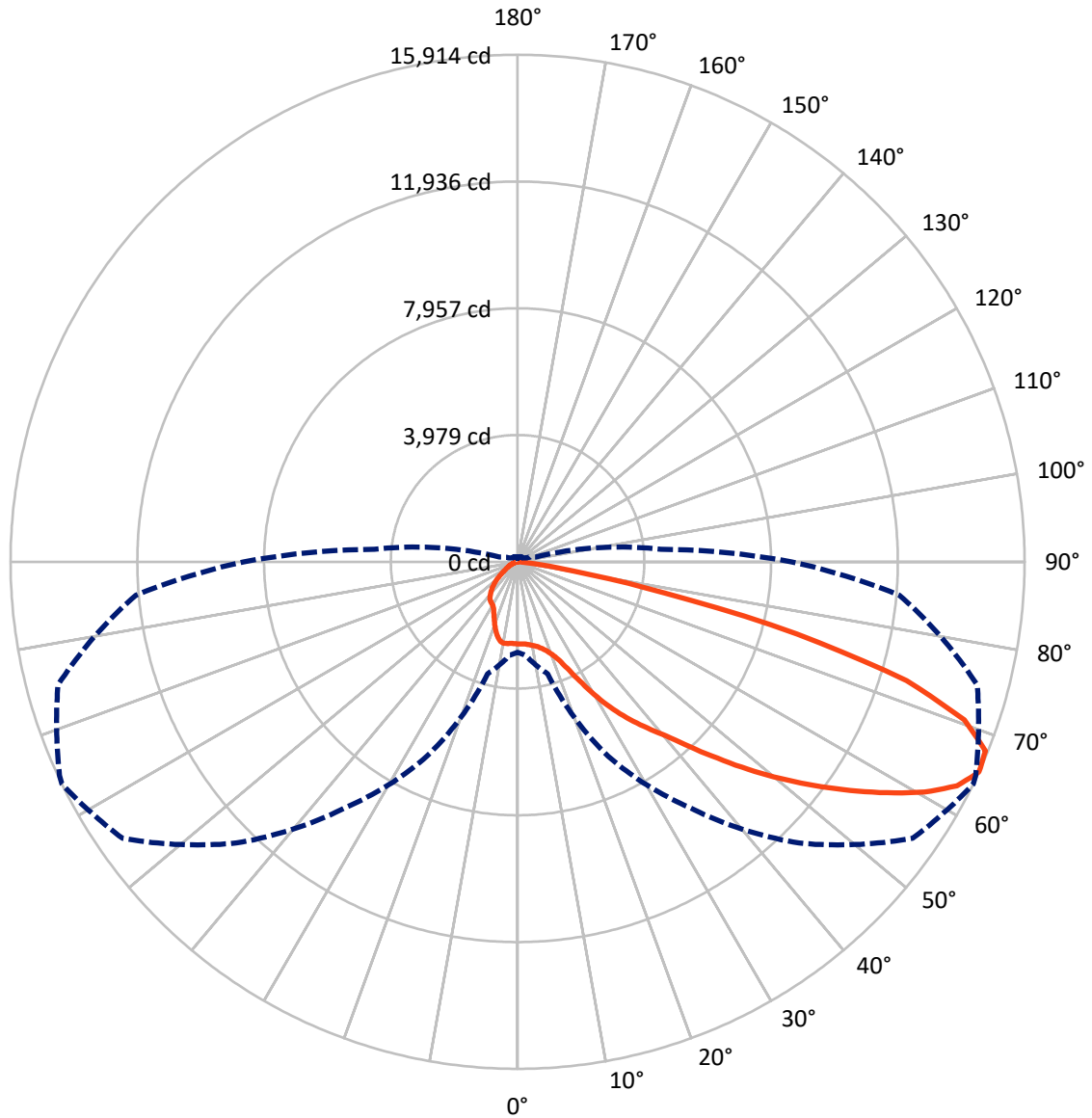
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	2965.3	0.0	2965.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19208.7	0.0	19208.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	22174.0	0.0	22174.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	1.1
10°-20°	645.4	2.9
20°-30°	1222.9	5.5
30°-40°	2474.6	11.2
40°-50°	4215.6	19.0
50°-60°	5732.8	25.9
60°-70°	5383.4	24.3
70°-80°	2156.8	9.7
80°-90°	104.5	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°	22174.0	100.0
0°-180°	22174.0	100.0

Coefficient of Utilization



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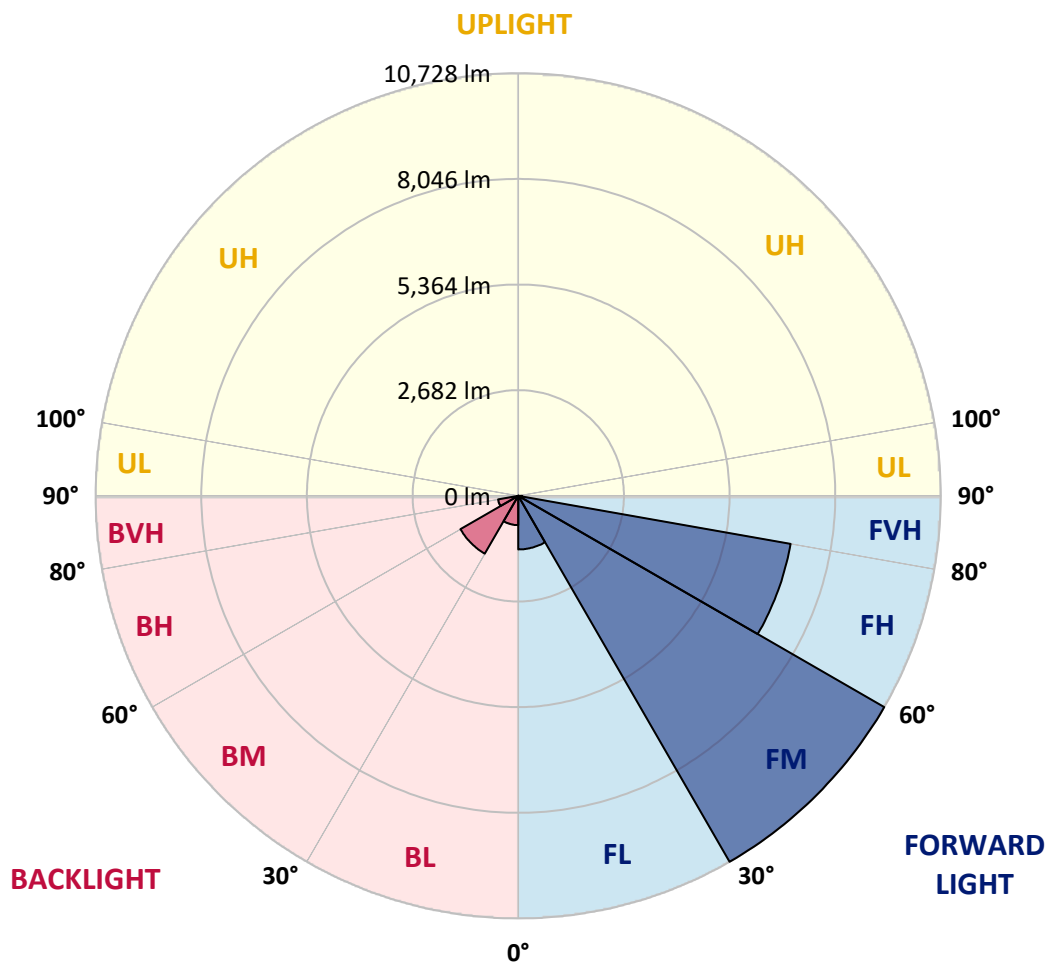
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.7	6.1			
FM (30°-60°)	10727.8	48.4			
FH (60°-80°)	7019.8	31.7			G3/7500
FVH (80°-90°)	99.4	0.4			G1/100
BL (0°-30°)	744.5	3.4	B2/1000		
BM (30°-60°)	1695.3	7.6	B2/2500		
BH (60°-80°)	520.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.1	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1
2.5°	2570.1	2588.0	2583.5	2579.1	2577.6	2580.6	2582.0	2580.6	2580.6	2580.6
5°	2521.1	2536.0	2536.0	2546.4	2561.2	2579.1	2592.4	2598.4	2598.4	2602.9
7.5°	2427.4	2439.3	2448.3	2482.4	2519.6	2567.2	2607.3	2631.1	2631.1	2647.4
10°	2363.5	2378.4	2393.3	2428.9	2482.4	2553.8	2622.2	2680.1	2680.1	2718.8
12.5°	2360.6	2375.4	2394.7	2433.4	2495.8	2571.6	2654.9	2741.1	2741.1	2797.6
15°	2391.8	2409.6	2427.4	2475.0	2541.9	2634.1	2723.3	2827.3	2827.3	2907.6
17.5°	2455.7	2479.5	2492.8	2540.4	2611.8	2714.3	2831.8	2947.7	2947.7	3041.4
20°	2582.0	2610.3	2614.7	2653.4	2723.3	2833.3	2973.0	3117.2	3117.2	3224.2
22.5°	2843.7	2883.8	2848.1	2867.4	2929.9	3039.9	3191.5	3375.8	3375.8	3497.7
25°	3304.5	3361.0	3268.8	3236.1	3262.9	3377.3	3567.6	3798.0	3798.0	3896.1
27.5°	4209.7	4136.9	3997.2	3860.4	3780.2	3845.6	4059.6	4345.0	4345.0	4440.2
30°	5204.2	5140.3	4951.5	4648.3	4458.0	4447.6	4645.3	4964.9	4964.9	5055.6
32.5°	6200.2	6139.2	5934.1	5561.0	5231.0	5067.5	5204.2	5538.7	5538.7	5596.6
35°	7179.8	7117.3	6912.2	6530.2	6124.4	5752.7	5726.0	6088.7	6088.7	6149.6
37.5°	8165.3	8113.3	7894.8	7520.2	7120.3	6607.5	6359.2	6622.3	6622.3	6681.8
40°	8868.4	8890.7	8740.6	8450.7	8107.3	7546.9	7069.8	7136.7	7136.7	7236.3
42.5°	9471.9	9516.5	9385.7	9240.0	9040.9	8547.3	7949.8	7859.1	7859.1	7912.6
45°	9993.7	10030.9	9913.4	9879.2	9874.8	9528.4	8911.5	8696.0	8696.0	8685.6
47.5°	10185.5	10256.8	10307.3	10421.8	10644.8	10499.1	9906.0	9614.6	9614.6	9532.9
50°	10258.3	10334.1	10506.5	10839.5	11367.2	11429.6	10896.0	10557.1	10557.1	10408.4
52.5°	10160.2	10295.5	10527.3	11087.8	11853.3	12175.9	11845.9	11512.9	11512.9	11270.6
55°	9581.9	9717.2	10191.4	11084.8	12095.6	12699.1	12743.7	12489.5	12489.5	12107.5
57.5°	8363.0	8563.7	9314.4	10707.2	12091.1	13149.5	13623.7	13484.0	13484.0	12937.0
60°	6674.4	6946.4	7862.1	9870.3	11718.0	13393.3	14395.2	14469.5	14469.5	13754.5
62.5°	4657.2	4972.3	5838.9	8559.2	10864.8	13217.9	14958.6	15322.8	15322.8	14485.9
65°	2840.7	2941.8	3640.4	6735.3	9414.0	12483.6	15132.5	15862.4	15862.4	14933.3
67.5°	1892.3	1977.0	2177.7	4618.5	7307.6	11016.4	14716.3	15853.5	15853.5	14860.5
70°	1140.1	1213.0	1343.8	2686.1	4736.0	8719.8	13427.5	14958.6	14958.6	13886.8
72.5°	469.7	518.8	637.7	1217.4	2452.7	5534.2	10692.3	12969.7	12969.7	11676.4
75°	266.1	291.4	374.6	610.9	1064.3	2579.1	6476.7	9360.5	9360.5	8047.9
77.5°	176.9	188.8	242.3	395.4	599.1	880.0	2767.9	5287.5	5287.5	4395.6
80°	118.9	129.3	166.5	264.6	389.5	377.6	881.5	2152.4	2152.4	1510.3
82.5°	80.3	81.8	118.9	173.9	246.8	182.8	260.1	683.8	683.8	437.0
85°	46.1	44.6	87.7	101.1	110.0	75.8	78.8	214.1	214.1	184.3
87.5°	5.9	8.9	34.2	26.8	14.9	16.4	16.4	41.6	41.6	44.6
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°
2579.1	0°	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1	2579.1
2582.0	2.5°	2582.0	2580.6	2576.1	2571.6	2561.2	2555.3	2558.3	2555.3	2553.8	2555.3
2601.4	5°	2601.4	2596.9	2585.0	2570.1	2549.3	2524.1	2507.7	2483.9	2461.6	2448.3
2653.4	7.5°	2653.4	2648.9	2632.6	2591.0	2524.1	2418.5	2321.9	2237.2	2173.3	2136.1
2736.6	10°	2736.6	2729.2	2703.9	2611.8	2436.4	2206.0	2014.2	1855.1	1751.1	1702.0
2834.7	12.5°	2834.7	2825.8	2781.2	2592.4	2269.9	1910.1	1645.5	1468.7	1372.0	1328.9
2947.7	15°	2950.7	2938.8	2851.1	2500.3	2027.6	1583.1	1340.8	1208.5	1146.1	1107.4
3091.9	17.5°	3094.9	3074.1	2903.1	2362.0	1764.5	1333.4	1153.5	1053.9	998.9	961.8
3280.7	20°	3282.2	3248.0	2944.7	2197.0	1522.2	1175.8	1027.2	943.9	902.3	869.6
3548.3	22.5°	3543.8	3494.7	2995.3	2018.7	1351.2	1067.3	933.5	872.6	838.4	801.2
3921.4	25°	3867.9	3809.9	3057.7	1853.7	1233.8	973.7	865.1	814.6	774.5	731.4
4410.4	27.5°	4321.2	4217.2	3132.0	1718.4	1132.7	893.4	802.7	746.2	700.1	664.5
4964.9	30°	4826.6	4655.7	3197.4	1636.6	1040.5	819.1	720.9	664.5	621.4	596.1
5462.9	32.5°	5305.3	5073.4	3240.6	1601.0	957.3	734.3	631.8	570.8	538.1	530.7
5950.4	35°	5757.2	5451.0	3236.1	1566.8	883.0	649.6	544.1	481.6	456.4	460.8
6475.2	37.5°	6277.5	5853.8	3204.9	1513.3	822.0	572.3	468.2	413.2	390.9	392.4
7112.9	40°	6882.5	6319.1	3185.6	1412.2	755.1	500.9	405.8	361.2	344.9	338.9
7784.8	42.5°	7527.6	6769.5	3188.5	1297.7	671.9	437.0	362.7	325.5	310.7	306.2
8532.5	45°	8175.7	7199.1	3193.0	1178.8	584.2	388.0	331.5	300.3	291.4	285.4
9290.6	47.5°	8785.2	7564.8	3109.7	1051.0	498.0	350.8	306.2	285.4	278.0	270.5
10051.7	50°	9353.0	7808.6	2909.1	902.3	429.6	321.1	286.9	272.0	264.6	257.2
10741.4	52.5°	9794.5	7847.2	2577.6	749.2	382.0	298.8	275.0	261.6	252.7	245.3
11298.8	55°	9990.7	7604.9	2106.4	606.5	344.9	279.5	263.1	249.7	239.3	231.9
11737.4	57.5°	9940.2	7095.0	1642.6	487.6	309.2	260.1	248.2	239.3	227.4	215.5
12092.6	60°	9691.9	6412.7	1238.2	405.8	276.5	239.3	231.9	224.5	208.1	190.3
12229.4	62.5°	9262.3	5555.0	883.0	335.9	240.8	215.5	212.6	206.6	182.8	150.1
12027.2	65°	8605.3	4513.0	594.6	279.5	206.6	188.8	190.3	179.9	148.6	111.5
11286.9	67.5°	7645.0	3300.0	380.5	228.9	172.4	157.6	159.1	153.1	126.4	95.1
9883.7	70°	6421.7	2185.1	248.2	173.9	138.2	121.9	130.8	132.3	107.0	77.3
7585.6	72.5°	4707.7	1290.3	173.9	129.3	101.1	84.7	107.0	110.0	86.2	58.0
4563.5	75°	2683.1	612.4	130.8	93.6	62.4	59.5	83.2	83.2	59.5	38.6
1975.6	77.5°	1126.8	255.7	92.2	60.9	35.7	34.2	56.5	52.0	29.7	17.8
481.6	80°	325.5	114.5	49.1	29.7	14.9	13.4	22.3	16.4	7.4	3.0
182.8	82.5°	127.8	50.5	19.3	11.9	5.9	5.9	3.0	0.0	0.0	0.0
104.1	85°	75.8	20.8	8.9	4.5	1.5	0.0	0.0	0.0	0.0	0.0
22.3	87.5°	19.3	4.5	3.0	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°
2579.1
2561.2
2451.2
2137.6
1697.6
1324.5
1108.9
958.8
863.7
795.3
726.9
657.0
591.6
535.1
460.8
398.4
337.4
304.7
285.4
270.5
257.2
243.8
230.4
214.1
187.3
147.2
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