

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: P852746

Luminaire Tested: **GLAN-SB6A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852746  
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-SB6A-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 350mA 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: 17053 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

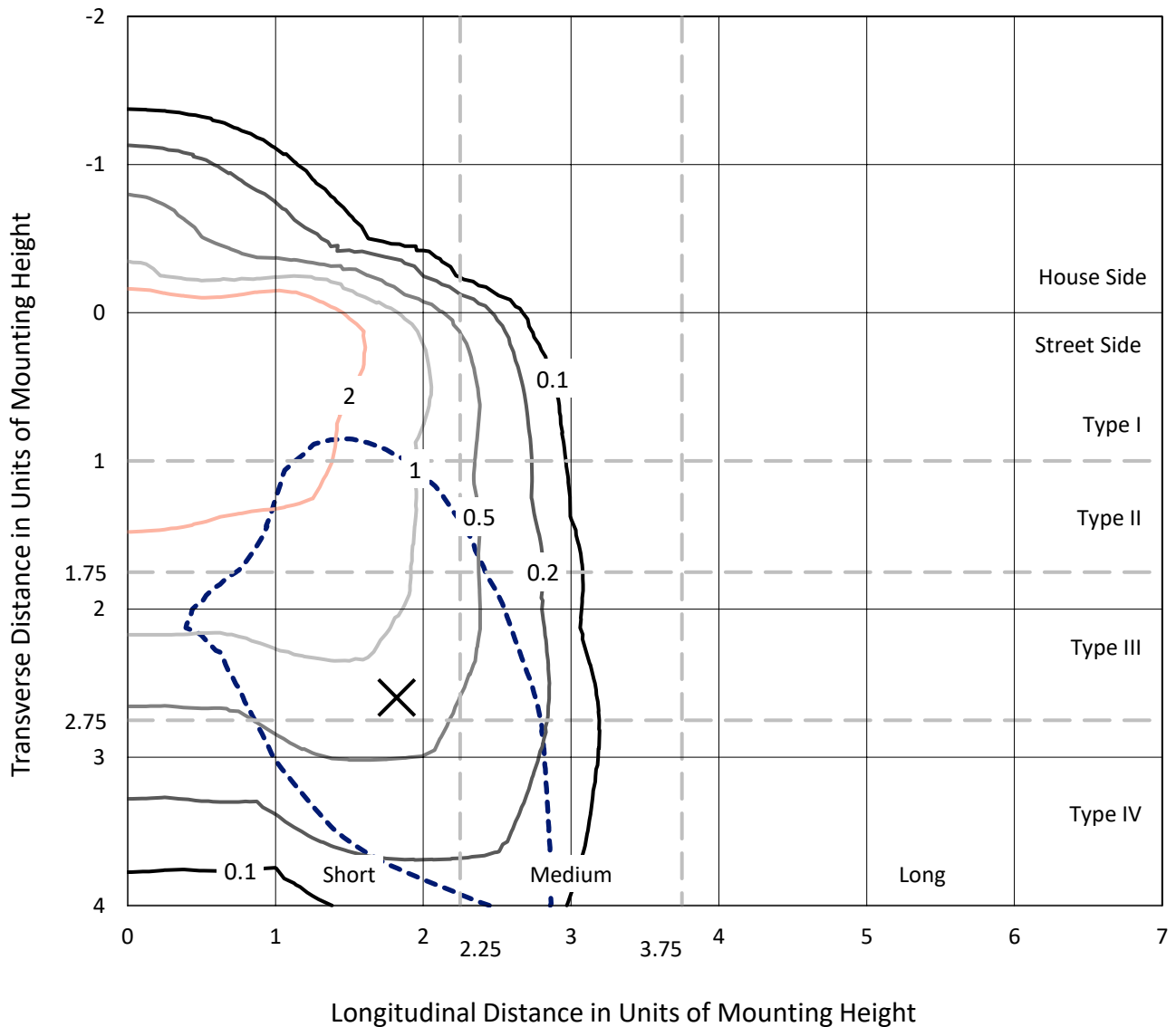
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

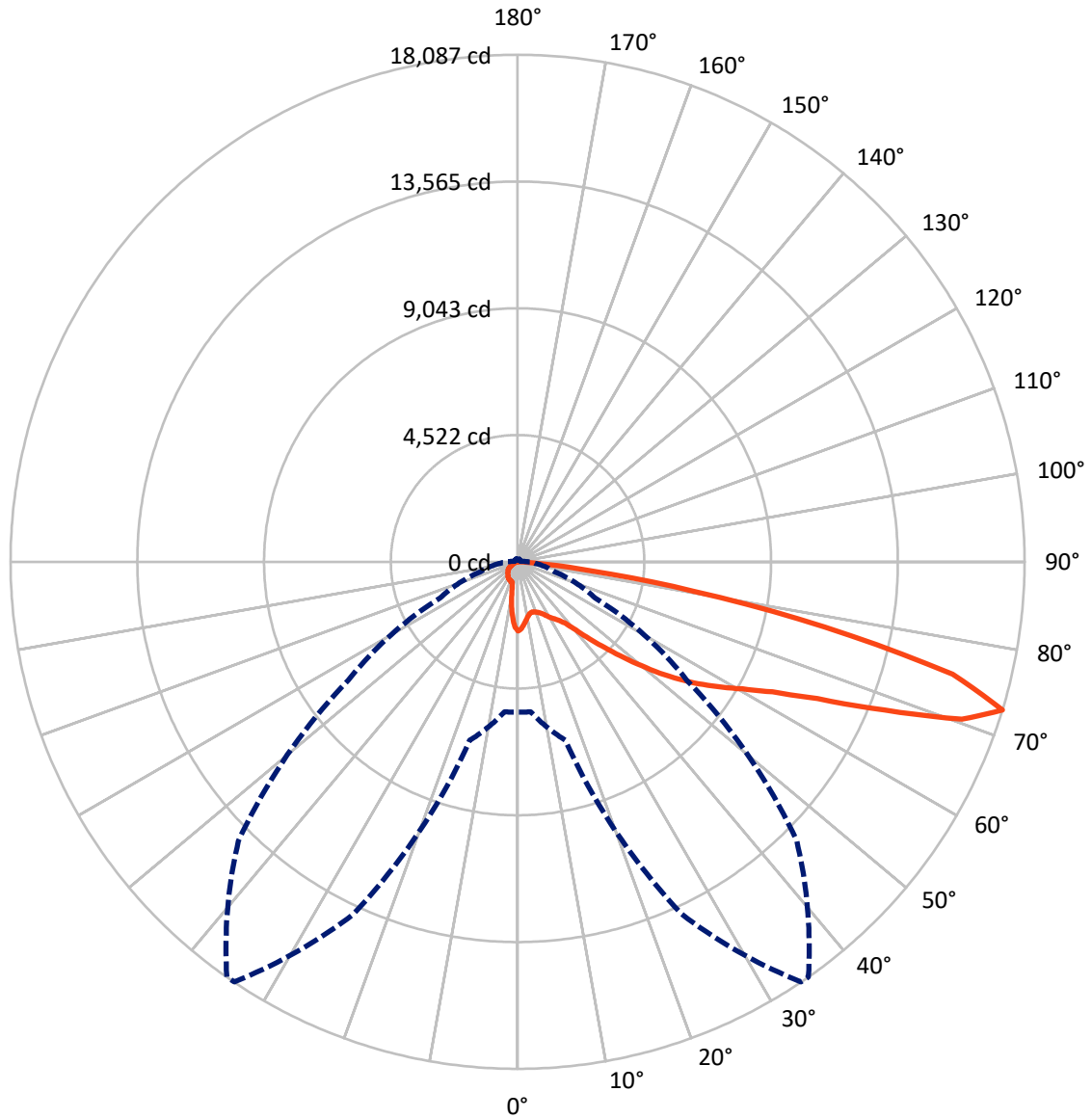
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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
<b>House Side</b>	Lumens	1919.2	0.0	1919.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	15133.8	0.0	15133.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	17053.0	0.0	17053.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.1	1.2
10°-20°	475.1	2.8
20°-30°	771.8	4.5
30°-40°	1287.8	7.6
40°-50°	2436.5	14.3
50°-60°	3871.6	22.7
60°-70°	4789.4	28.1
70°-80°	2977.1	17.5
80°-90°	240.6	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°	17053.0	100.0
0°-180°	17053.0	100.0

**Coefficient of Utilization**

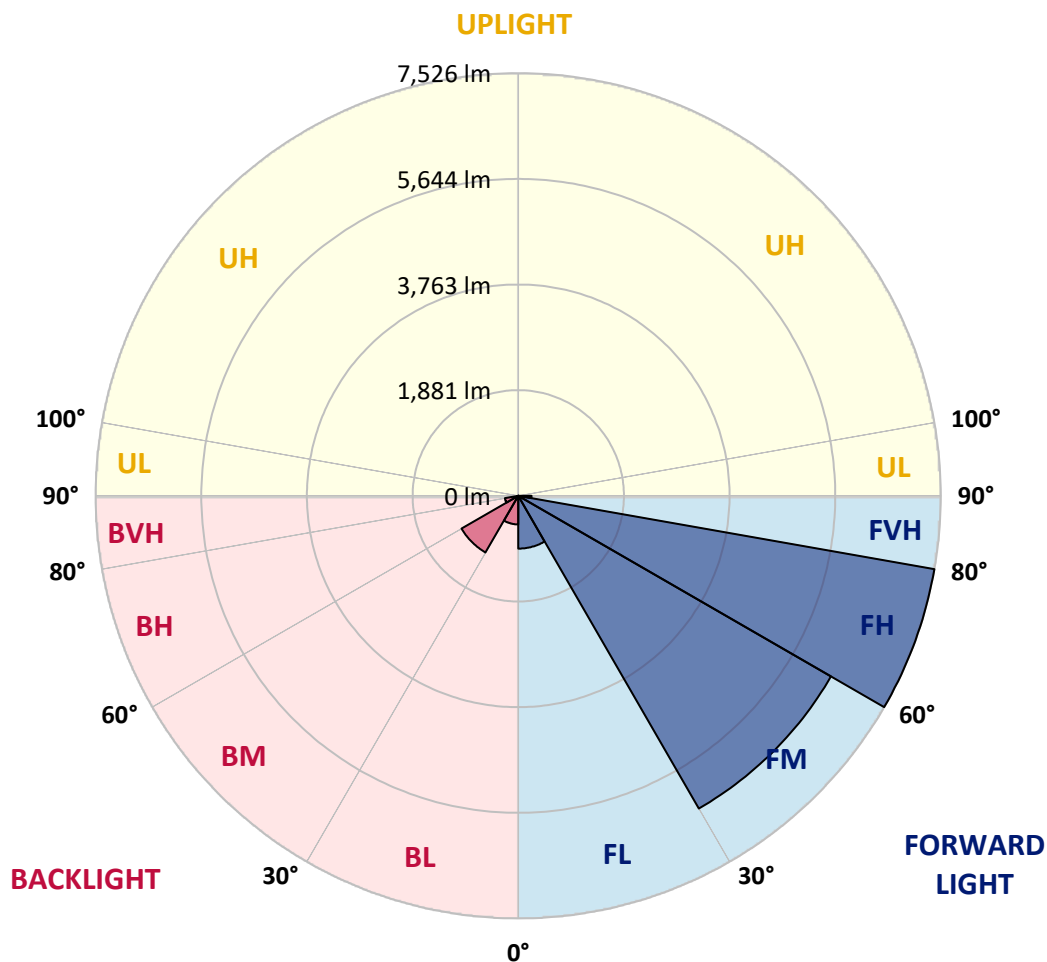


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	940.1	5.5			
FM (30°-60°)	6430.7	37.7			
FH (60°-80°)	7525.7	44.1			G4/12000
FVH (80°-90°)	237.3	1.4			G3/500
BL (0°-30°)	510.0	3.0	B2/1000		
BM (30°-60°)	1165.2	6.8	B2/2500		
BH (60°-80°)	240.8	1.4	B1/500		G1/500
BVH (80°-90°)	3.3	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°	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6
2.5°	2361.6	2381.6	2385.3	2391.6	2391.6	2399.1	2411.6	2429.1	2457.8	2472.8
5°	2176.7	2191.7	2210.4	2225.4	2254.1	2257.9	2306.6	2354.1	2420.3	2470.3
7.5°	1990.5	2008.0	2033.0	2069.2	2106.7	2117.9	2191.7	2271.6	2376.6	2470.3
10°	1859.3	1860.5	1883.0	1919.3	1979.2	1993.0	2083.0	2196.7	2327.9	2455.3
12.5°	1785.6	1794.3	1804.3	1831.8	1889.3	1898.0	1994.2	2127.9	2279.1	2446.6
15°	1785.6	1791.8	1798.1	1811.8	1858.0	1865.5	1950.5	2084.2	2254.1	2450.3
17.5°	1804.3	1814.3	1809.3	1825.5	1874.3	1879.3	1954.2	2071.7	2252.9	2474.1
20°	1849.3	1856.8	1846.8	1856.8	1905.5	1915.5	1993.0	2095.4	2274.1	2515.3
22.5°	1920.5	1924.3	1900.5	1908.0	1958.0	1970.5	2060.5	2162.9	2325.4	2581.5
25°	2010.5	2018.0	1981.7	1990.5	2038.0	2053.0	2156.7	2264.1	2406.6	2672.7
27.5°	2114.2	2117.9	2086.7	2085.4	2146.7	2167.9	2272.9	2389.1	2515.3	2787.7
30°	2232.9	2244.1	2214.2	2209.2	2286.6	2304.1	2407.8	2542.8	2675.2	2960.1
32.5°	2326.6	2335.4	2317.9	2330.4	2409.1	2422.8	2571.5	2760.2	2926.4	3205.0
35°	2461.6	2466.6	2426.6	2449.1	2539.0	2574.0	2795.2	3065.1	3242.5	3512.4
37.5°	2950.1	2950.1	2780.2	2669.0	2755.2	2786.4	3101.3	3448.7	3632.4	3924.7
40°	3626.1	3614.9	3366.2	3138.8	3127.5	3188.8	3537.4	3932.2	4135.9	4419.6
42.5°	4347.1	4329.6	3991.0	3766.1	3728.6	3749.8	4040.9	4528.3	4735.7	5023.1
45°	4986.8	4981.8	4672.0	4369.6	4302.1	4369.6	4669.5	5225.5	5374.2	5676.6
47.5°	5522.9	5522.9	5296.7	5099.3	5064.3	5104.3	5520.4	5998.9	5985.2	6372.6
50°	6140.1	6135.1	5920.2	5835.3	5871.5	5927.7	6500.0	6813.6	6617.5	7056.0
52.5°	6572.5	6602.5	6528.7	6515.0	6699.9	6797.4	7494.6	7610.8	7183.5	7704.5
55°	6914.8	6949.8	7034.8	7131.0	7487.1	7614.6	8458.0	8366.8	7657.1	8266.8
57.5°	7399.7	7349.7	7480.9	7670.8	8246.8	8400.5	9391.4	9080.3	8038.2	8722.9
60°	7988.2	7995.7	8018.2	8258.1	9005.3	9202.7	10311.0	9755.0	8283.1	9002.8
62.5°	8695.4	8706.7	8752.9	9121.5	10023.7	10209.8	11290.7	10307.3	8395.5	8924.1
65°	8646.7	8694.2	9210.2	10471.0	11571.8	11755.5	12434.0	10694.6	8225.6	8204.4
67.5°	7877.0	7954.4	8817.9	12082.9	13905.9	14110.8	13815.9	10770.9	7492.1	6380.1
70°	6867.4	6894.9	7933.2	13532.3	16608.6	16816.0	15053.0	9932.4	5685.3	3558.6
72.5°	5362.9	5369.2	6587.5	13868.4	18075.6	18086.8	14082.1	7373.4	3057.6	1367.0
75°	3831.0	3793.5	4412.1	11246.9	15902.6	16030.1	10557.2	3458.7	1168.3	646.0
77.5°	2054.2	2095.4	2496.5	6669.9	10985.8	11203.2	5760.3	997.1	594.8	439.8
80°	634.8	669.7	1023.4	3053.8	6222.6	6353.8	2135.4	443.6	414.8	313.6
82.5°	199.9	207.4	477.3	1283.3	2582.8	2642.7	618.5	251.2	283.6	207.4
85°	57.5	58.7	212.4	478.6	638.5	651.0	173.7	97.5	162.4	128.7
87.5°	6.2	20.0	80.0	80.0	56.2	55.0	18.7	21.2	46.2	16.2
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°
2471.6	0°	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6	2471.6
2482.8	2.5°	2476.5	2477.8	2461.6	2434.1	2404.1	2379.1	2347.8	2322.9	2305.4	2300.4
2505.3	5°	2494.0	2485.3	2439.1	2355.3	2255.4	2169.2	2073.0	1996.7	1946.8	1925.5
2529.0	7.5°	2520.3	2495.3	2394.1	2229.1	2038.0	1868.0	1695.6	1561.9	1476.9	1434.4
2551.5	10°	2542.8	2492.8	2319.1	2046.7	1754.3	1496.9	1264.5	1103.3	1013.4	970.9
2577.8	12.5°	2564.0	2491.5	2221.6	1830.5	1434.4	1119.6	903.4	823.4	798.4	789.7
2620.2	15°	2604.0	2495.3	2099.2	1583.1	1115.8	845.9	767.2	766.0	771.0	768.5
2685.2	17.5°	2659.0	2499.0	1960.5	1320.7	860.9	746.0	742.2	753.5	761.0	757.2
2766.4	20°	2730.2	2514.0	1813.1	1060.8	739.7	721.0	729.7	739.7	746.0	739.7
2875.1	22.5°	2830.2	2540.3	1651.9	852.2	701.0	706.0	713.5	724.7	731.0	722.2
3013.8	25°	2952.6	2581.5	1493.2	741.0	682.2	688.5	699.7	712.2	719.7	711.0
3188.8	27.5°	3111.3	2647.7	1347.0	716.0	663.5	667.2	683.5	702.2	712.2	701.0
3437.4	30°	3341.2	2756.4	1220.8	727.2	652.2	643.5	666.0	692.2	703.5	693.5
3776.1	32.5°	3646.1	2910.1	1143.3	744.7	647.3	616.0	637.3	671.0	689.7	683.5
4218.4	35°	4045.9	3143.8	1113.3	764.7	643.5	587.3	602.3	638.5	671.0	677.2
4775.7	37.5°	4530.8	3468.7	1122.1	773.5	632.3	563.5	571.0	602.3	644.8	664.7
5402.9	40°	5081.8	3847.3	1172.1	764.7	619.8	543.5	544.8	568.5	606.0	636.0
6077.7	42.5°	5650.3	4289.6	1264.5	732.2	608.5	526.0	522.3	538.5	563.5	584.8
6751.2	45°	6191.4	4744.4	1355.7	687.2	594.8	508.6	499.8	506.1	511.1	519.8
7407.2	47.5°	6663.7	5064.3	1329.5	646.0	576.0	488.6	473.6	471.1	456.1	454.8
7993.2	50°	6989.8	5134.3	1180.8	604.8	548.5	466.1	442.3	427.3	401.1	388.6
8431.8	52.5°	7093.5	4858.1	964.6	563.5	503.6	436.1	402.3	378.6	346.1	334.9
8684.2	55°	6956.1	4317.1	771.0	513.6	441.1	396.1	358.6	327.4	301.1	287.4
8711.7	57.5°	6620.0	3628.6	609.8	454.8	374.9	351.1	313.6	282.4	259.9	246.2
8406.8	60°	6062.7	2881.4	482.3	384.9	319.9	302.4	263.6	243.7	223.7	207.4
7619.6	62.5°	5216.7	2056.7	378.6	304.9	267.4	247.4	224.9	209.9	186.2	163.7
6203.9	65°	4070.9	1258.3	292.4	223.7	214.9	204.9	191.2	177.4	148.7	126.2
4047.2	67.5°	2567.8	596.0	208.7	168.7	169.9	164.9	158.7	147.4	126.2	106.2
1813.1	70°	1130.8	288.6	137.4	128.7	126.2	126.2	131.2	127.5	107.5	88.7
629.8	72.5°	384.9	154.9	102.5	97.5	91.2	90.0	110.0	106.2	86.2	68.7
313.6	75°	201.2	103.7	75.0	70.0	55.0	66.2	87.5	82.5	61.2	45.0
207.4	77.5°	131.2	73.7	51.2	45.0	31.2	43.7	65.0	57.5	36.2	22.5
136.2	80°	82.5	48.7	30.0	21.2	15.0	23.7	35.0	25.0	13.7	5.0
80.0	82.5°	43.7	25.0	11.2	7.5	6.2	7.5	8.7	6.2	2.5	0.0
41.2	85°	17.5	8.7	3.7	2.5	1.2	0.0	2.5	1.2	0.0	0.0
7.5	87.5°	6.2	1.2	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°
2471.6
2309.1
1933.0
1440.7
972.1
787.2
767.2
756.0
738.5
721.0
709.7
701.0
692.2
683.5
677.2
669.7
646.0
593.5
524.8
453.6
389.9
333.6
287.4
243.7
203.7
159.9
122.5
103.7
85.0
65.0
41.2
20.0
3.7
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