

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: P846617

Luminaire Tested: **GLAN-SB2B-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846617  
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-SB2B-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 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: 7042 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

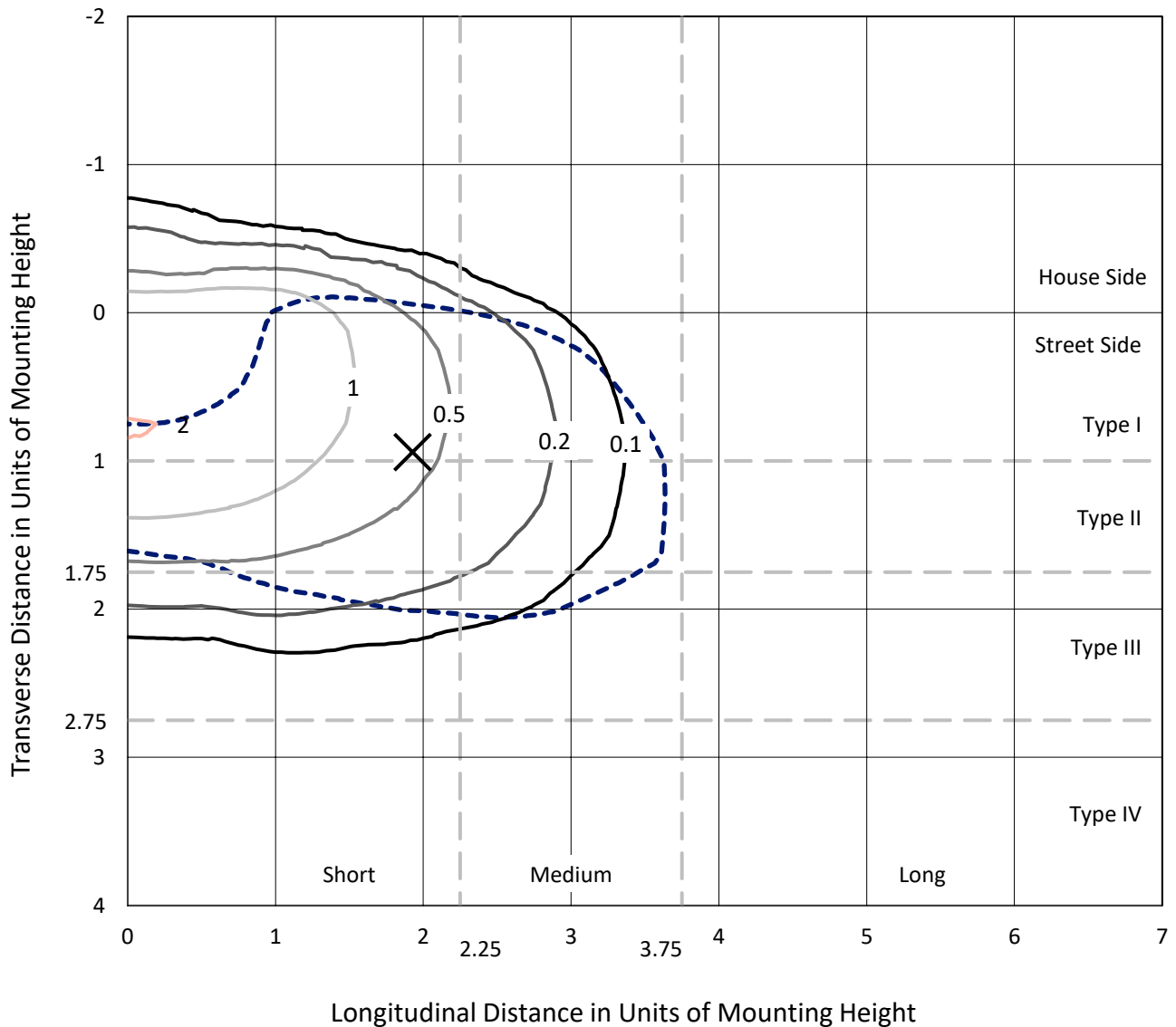
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

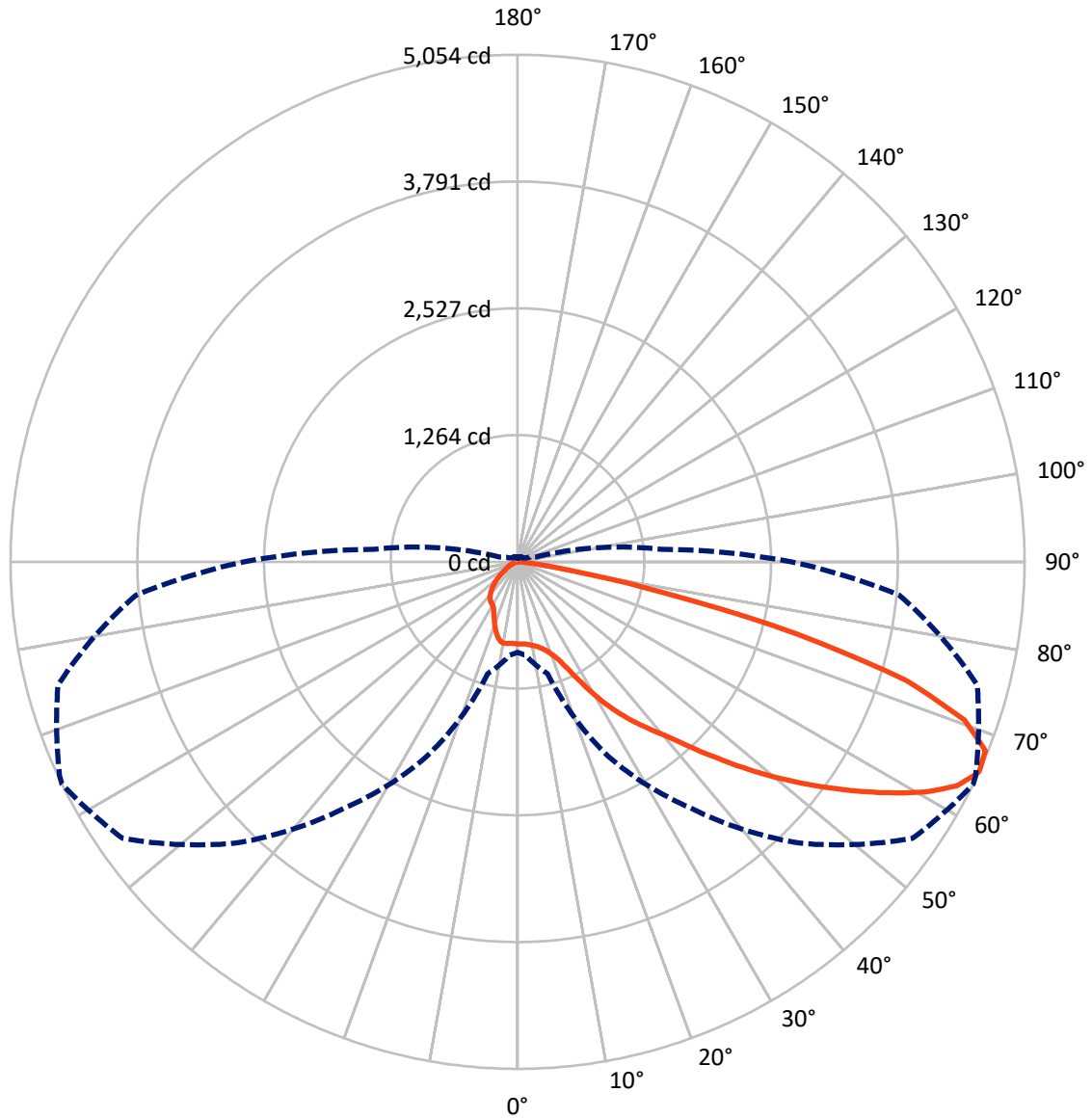
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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
<b>House Side</b>	Lumens	941.7	0.0	941.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	6100.3	0.0	6100.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	7042.0	0.0	7042.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.6	1.1
10°-20°	205.0	2.9
20°-30°	388.4	5.5
30°-40°	785.9	11.2
40°-50°	1338.8	19.0
50°-60°	1820.6	25.9
60°-70°	1709.7	24.3
70°-80°	685.0	9.7
80°-90°	33.2	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°	7042.0	100.0
0°-180°	7042.0	100.0

**Coefficient of Utilization**



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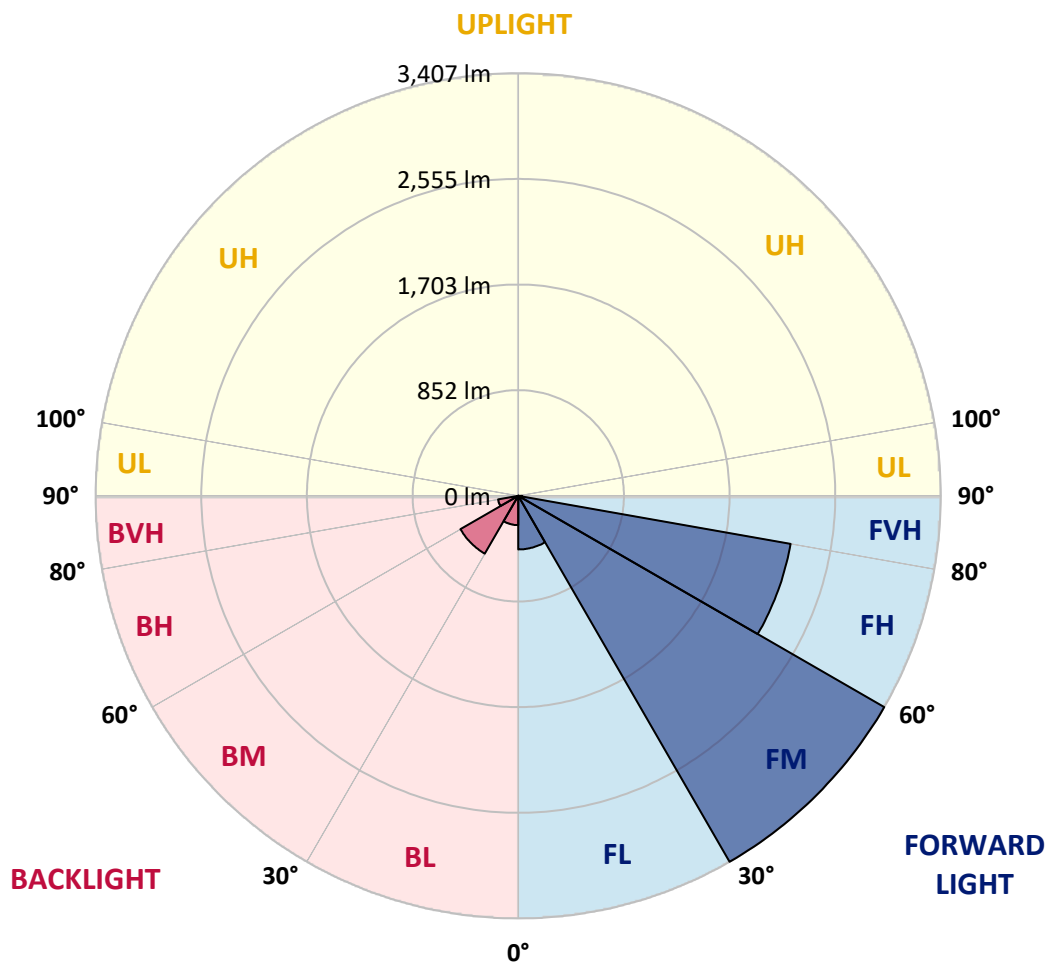
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	432.5	6.1			
FM (30°-60°)	3406.9	48.4			
FH (60°-80°)	2229.3	31.7			G2/5000
FVH (80°-90°)	31.6	0.4			G1/100
BL (0°-30°)	236.4	3.4	B1/500		
BM (30°-60°)	538.4	7.6	B1/1000		
BH (60°-80°)	165.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1
2.5°	816.2	821.9	820.5	819.1	818.6	819.5	820.0	819.5	819.5	819.5
5°	800.6	805.4	805.4	808.7	813.4	819.1	823.3	824.3	825.2	826.6
7.5°	770.9	774.7	777.5	788.4	800.2	815.3	828.0	834.6	835.6	840.8
10°	750.6	755.3	760.0	771.4	788.4	811.0	832.7	848.8	851.2	863.4
12.5°	749.7	754.4	760.5	772.8	792.6	816.7	843.1	866.3	870.5	888.5
15°	759.6	765.2	770.9	786.0	807.3	836.5	864.8	893.6	897.9	923.4
17.5°	779.9	787.4	791.7	806.8	829.4	862.0	899.3	932.4	936.1	965.9
20°	820.0	829.0	830.4	842.7	864.8	899.8	944.2	985.2	990.0	1023.9
22.5°	903.1	915.8	904.5	910.6	930.5	965.4	1013.6	1065.5	1072.1	1110.8
25°	1049.4	1067.4	1038.1	1027.7	1036.2	1072.6	1133.0	1198.6	1206.2	1237.3
27.5°	1336.9	1313.8	1269.4	1226.0	1200.5	1221.3	1289.2	1370.4	1379.9	1410.1
30°	1652.7	1632.5	1572.5	1476.2	1415.8	1412.5	1475.2	1565.9	1576.7	1605.5
32.5°	1969.0	1949.7	1884.5	1766.0	1661.2	1609.3	1652.7	1753.3	1759.0	1777.4
35°	2280.1	2260.3	2195.2	2073.8	1945.0	1826.9	1818.4	1931.7	1933.6	1953.0
37.5°	2593.1	2576.6	2507.2	2388.2	2261.3	2098.4	2019.6	2100.8	2103.1	2122.0
40°	2816.4	2823.5	2775.8	2683.8	2574.7	2396.7	2245.2	2280.6	2266.5	2298.1
42.5°	3008.1	3022.3	2980.7	2934.4	2871.2	2714.5	2524.7	2518.5	2495.9	2512.9
45°	3173.8	3185.6	3148.3	3137.4	3136.0	3026.0	2830.1	2793.3	2761.7	2758.4
47.5°	3234.7	3257.3	3273.4	3309.7	3380.6	3334.3	3145.9	3088.8	3053.4	3027.4
50°	3257.8	3281.9	3336.7	3442.4	3610.0	3629.8	3460.3	3396.1	3352.7	3305.5
52.5°	3226.7	3269.6	3343.3	3521.2	3764.4	3866.8	3762.0	3705.8	3656.3	3579.3
55°	3043.0	3086.0	3236.6	3520.3	3841.3	4033.0	4047.1	4022.1	3966.4	3845.1
57.5°	2655.9	2719.6	2958.0	3400.4	3839.9	4176.0	4326.6	4344.5	4282.2	4108.5
60°	2119.6	2206.0	2496.8	3134.6	3721.4	4253.4	4571.6	4661.3	4595.2	4368.2
62.5°	1479.0	1579.1	1854.3	2718.2	3450.4	4197.7	4750.5	4916.2	4866.2	4600.4
65°	902.1	934.2	1156.1	2139.0	2989.7	3964.5	4805.8	5054.1	5037.6	4742.5
67.5°	601.0	627.9	691.6	1466.8	2320.7	3498.6	4673.6	5030.0	5034.7	4719.4
70°	362.1	385.2	426.8	853.0	1504.0	2769.2	4264.3	4723.2	4750.5	4410.2
72.5°	149.2	164.8	202.5	386.6	778.9	1757.6	3395.7	4055.2	4118.9	3708.2
75°	84.5	92.5	119.0	194.0	338.0	819.1	2056.8	2878.7	2972.7	2555.8
77.5°	56.2	60.0	76.9	125.6	190.2	279.5	879.0	1499.8	1679.2	1395.9
80°	37.8	41.1	52.9	84.0	123.7	119.9	279.9	555.6	683.6	479.6
82.5°	25.5	26.0	37.8	55.2	78.4	58.1	82.6	172.8	217.2	138.8
85°	14.6	14.2	27.9	32.1	34.9	24.1	25.0	51.9	68.0	58.5
87.5°	1.9	2.8	10.9	8.5	4.7	5.2	5.2	9.0	13.2	14.2
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°
819.1	0°	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1
820.0	2.5°	820.0	819.5	818.1	816.7	813.4	811.5	812.4	811.5	811.0	811.5
826.1	5°	826.1	824.7	820.9	816.2	809.6	801.6	796.4	788.8	781.8	777.5
842.7	7.5°	842.7	841.2	836.1	822.8	801.6	768.1	737.4	710.5	690.2	678.4
869.1	10°	869.1	866.7	858.7	829.4	773.7	700.6	639.7	589.2	556.1	540.5
900.3	12.5°	900.3	897.4	883.3	823.3	720.9	606.6	522.6	466.4	435.7	422.0
936.1	15°	937.1	933.3	905.4	794.0	643.9	502.8	425.8	383.8	364.0	351.7
981.9	17.5°	982.9	976.3	922.0	750.1	560.4	423.5	366.3	334.7	317.2	305.4
1041.9	20°	1042.4	1031.5	935.2	697.7	483.4	373.4	326.2	299.8	286.6	276.2
1126.9	22.5°	1125.4	1109.9	951.2	641.1	429.1	339.0	296.5	277.1	266.3	254.5
1245.3	25°	1228.4	1209.9	971.1	588.7	391.8	309.2	274.8	258.7	246.0	232.3
1400.7	27.5°	1372.3	1339.3	994.7	545.7	359.7	283.7	254.9	237.0	222.3	211.0
1576.7	30°	1532.8	1478.6	1015.4	519.8	330.5	260.1	229.0	211.0	197.3	189.3
1734.9	32.5°	1684.9	1611.2	1029.1	508.4	304.0	233.2	200.6	181.3	170.9	168.5
1889.7	35°	1828.4	1731.1	1027.7	497.6	280.4	206.3	172.8	153.0	144.9	146.3
2056.4	37.5°	1993.6	1859.0	1017.8	480.6	261.1	181.8	148.7	131.2	124.2	124.6
2258.9	40°	2185.7	2006.8	1011.7	448.5	239.8	159.1	128.9	114.7	109.5	107.6
2472.3	42.5°	2390.6	2149.8	1012.6	412.1	213.4	138.8	115.2	103.4	98.7	97.2
2709.7	45°	2596.4	2286.3	1014.0	374.4	185.5	123.2	105.3	95.4	92.5	90.6
2950.5	47.5°	2790.0	2402.4	987.6	333.8	158.1	111.4	97.2	90.6	88.3	85.9
3192.2	50°	2970.3	2479.8	923.9	286.6	136.4	102.0	91.1	86.4	84.0	81.7
3411.2	52.5°	3110.5	2492.1	818.6	237.9	121.3	94.9	87.3	83.1	80.3	77.9
3588.3	55°	3172.8	2415.2	668.9	192.6	109.5	88.8	83.6	79.3	76.0	73.6
3727.5	57.5°	3156.8	2253.2	521.6	154.8	98.2	82.6	78.8	76.0	72.2	68.5
3840.4	60°	3078.0	2036.6	393.2	128.9	87.8	76.0	73.6	71.3	66.1	60.4
3883.8	62.5°	2941.5	1764.2	280.4	106.7	76.5	68.5	67.5	65.6	58.1	47.7
3819.6	65°	2732.9	1433.2	188.8	88.8	65.6	60.0	60.4	57.1	47.2	35.4
3584.5	67.5°	2427.9	1048.0	120.9	72.7	54.8	50.0	50.5	48.6	40.1	30.2
3138.9	70°	2039.4	694.0	78.8	55.2	43.9	38.7	41.5	42.0	34.0	24.5
2409.0	72.5°	1495.1	409.8	55.2	41.1	32.1	26.9	34.0	34.9	27.4	18.4
1449.3	75°	852.1	194.5	41.5	29.7	19.8	18.9	26.4	26.4	18.9	12.3
627.4	77.5°	357.8	81.2	29.3	19.4	11.3	10.9	17.9	16.5	9.4	5.7
153.0	80°	103.4	36.4	15.6	9.4	4.7	4.2	7.1	5.2	2.4	0.9
58.1	82.5°	40.6	16.1	6.1	3.8	1.9	1.9	0.9	0.0	0.0	0.0
33.0	85°	24.1	6.6	2.8	1.4	0.5	0.0	0.0	0.0	0.0	0.0
7.1	87.5°	6.1	1.4	0.9	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°
819.1
813.4
778.5
678.9
539.1
420.6
352.2
304.5
274.3
252.6
230.8
208.7
187.9
169.9
146.3
126.5
107.2
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