

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: P852232

Luminaire Tested: **GLAN-SB2B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852232  
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-SB2B-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 450mA 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: 6798 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

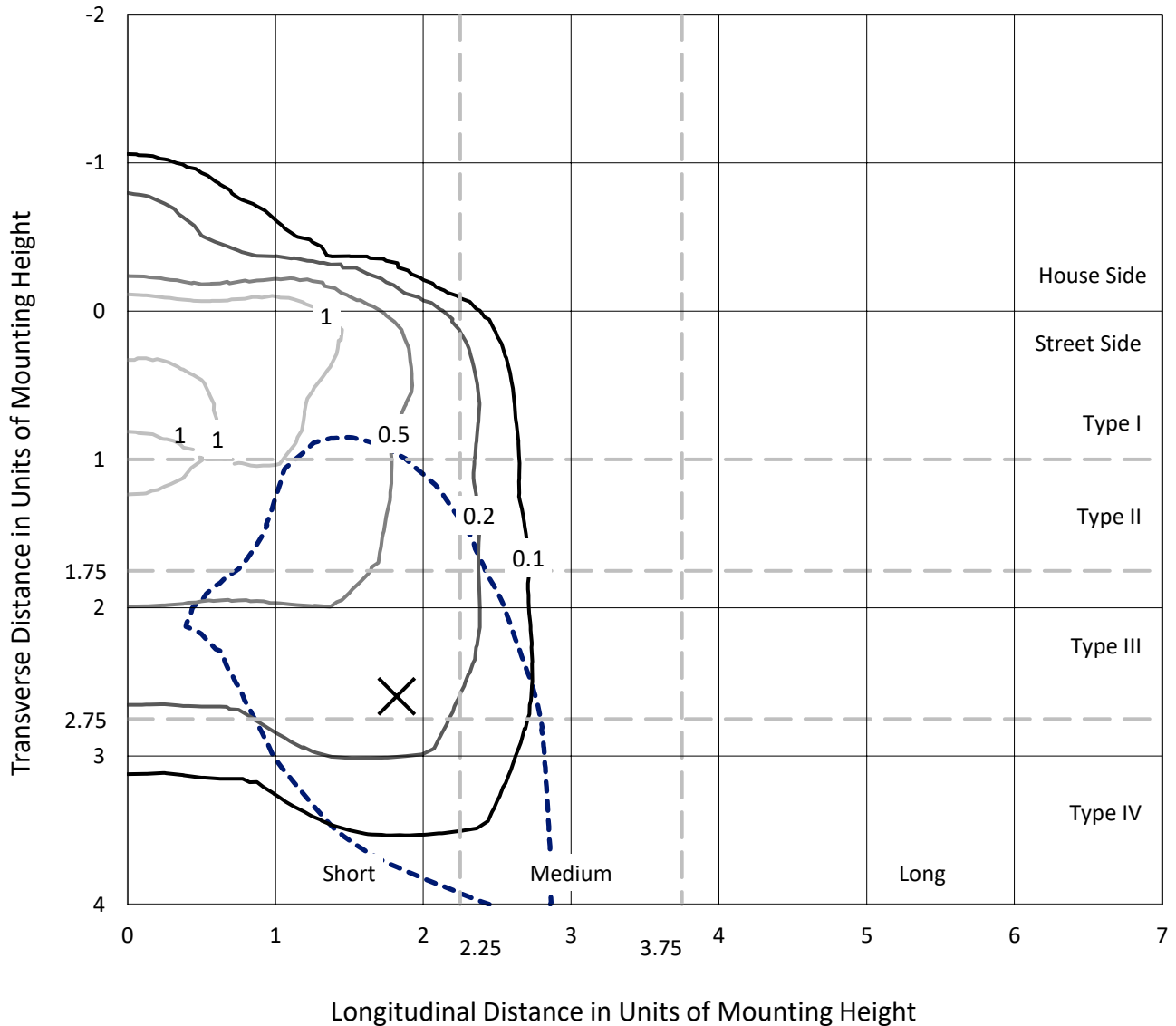
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

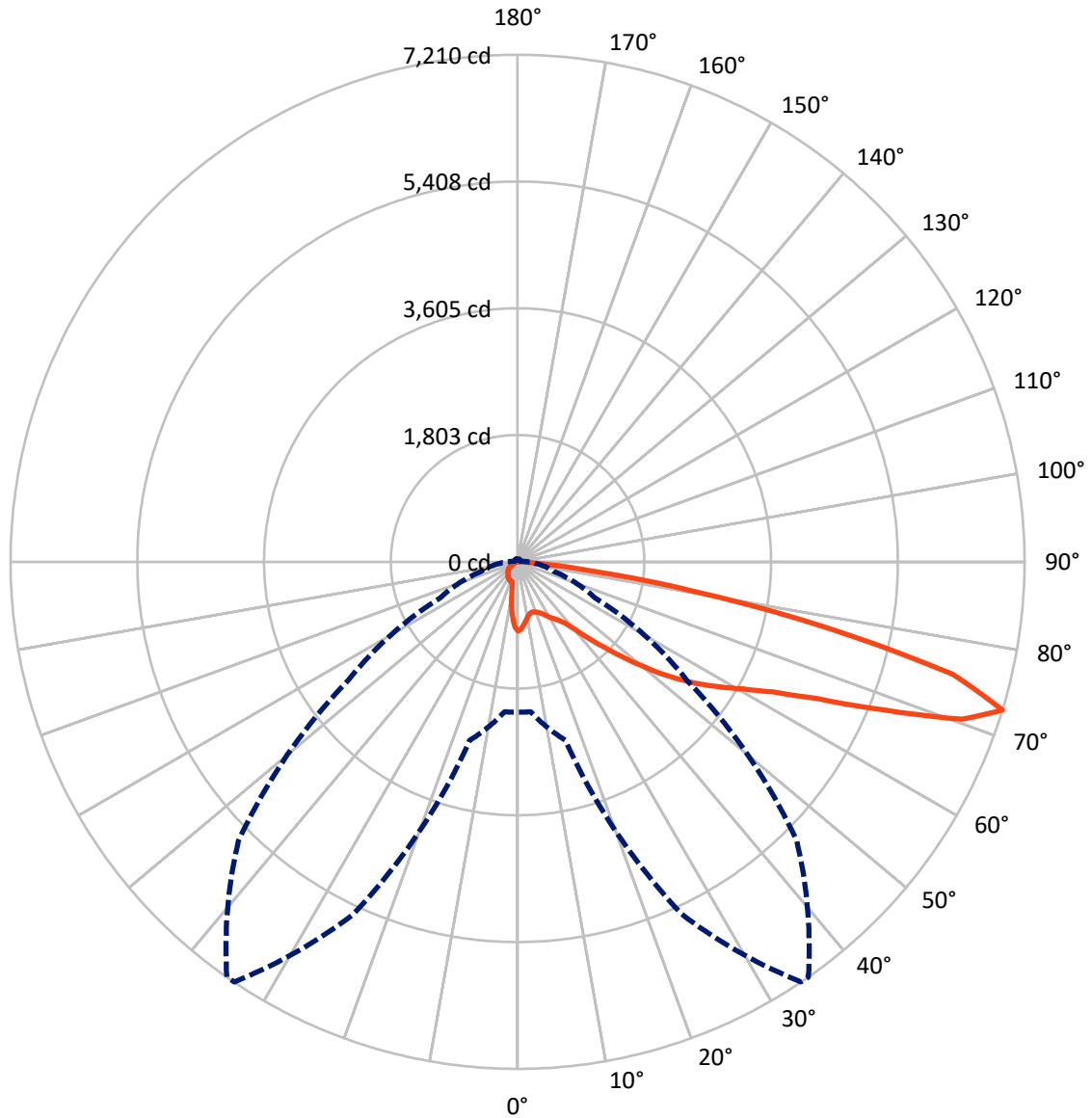
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	765.1	0.0	765.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	6032.9	0.0	6032.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	6798.0	0.0	6798.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.0	1.2
10°-20°	189.4	2.8
20°-30°	307.7	4.5
30°-40°	513.4	7.6
40°-50°	971.3	14.3
50°-60°	1543.4	22.7
60°-70°	1909.2	28.1
70°-80°	1186.8	17.5
80°-90°	95.9	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°	6798.0	100.0
0°-180°	6798.0	100.0

**Coefficient of Utilization**



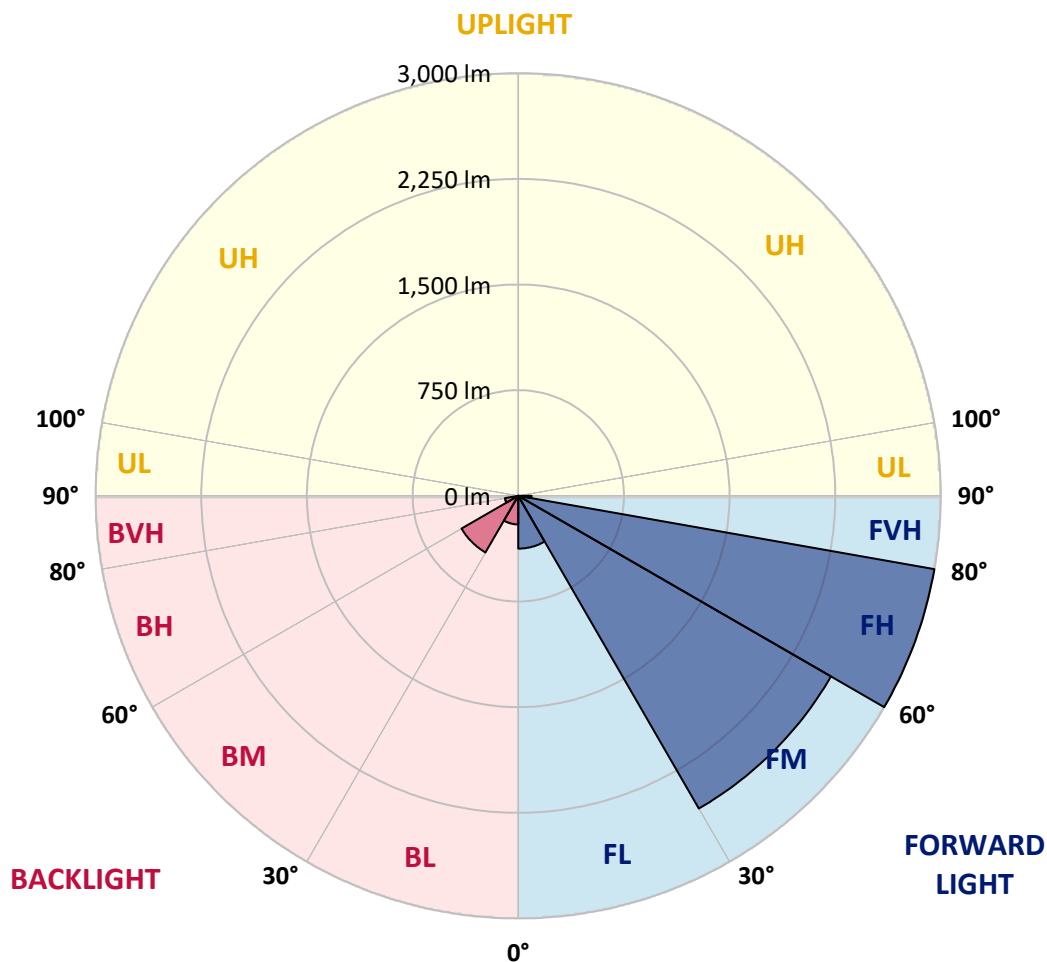
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.7	5.5			
FM (30°-60°)	2563.5	37.7			
FH (60°-80°)	3000.0	44.1			G2/5000
FVH (80°-90°)	94.6	1.4			G1/100
BL (0°-30°)	203.3	3.0	B1/500		
BM (30°-60°)	464.5	6.8	B1/1000		
BH (60°-80°)	96.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3
2.5°	941.4	949.4	950.9	953.4	953.4	956.4	961.3	968.3	979.8	985.8
5°	867.7	873.7	881.2	887.1	898.6	900.1	919.5	938.4	964.8	984.8
7.5°	793.5	800.5	810.4	824.9	839.8	844.3	873.7	905.6	947.4	984.8
10°	741.2	741.7	750.6	765.1	789.0	794.5	830.3	875.7	928.0	978.8
12.5°	711.8	715.3	719.3	730.2	753.1	756.6	795.0	848.3	908.5	975.3
15°	711.8	714.3	716.8	722.3	740.7	743.7	777.5	830.8	898.6	976.8
17.5°	719.3	723.3	721.3	727.7	747.2	749.2	779.0	825.9	898.1	986.3
20°	737.2	740.2	736.2	740.2	759.6	763.6	794.5	835.3	906.6	1002.7
22.5°	765.6	767.1	757.6	760.6	780.5	785.5	821.4	862.2	927.0	1029.1
25°	801.5	804.4	790.0	793.5	812.4	818.4	859.7	902.6	959.4	1065.5
27.5°	842.8	844.3	831.8	831.3	855.7	864.2	906.1	952.4	1002.7	1111.3
30°	890.1	894.6	882.6	880.7	911.5	918.5	959.9	1013.7	1066.4	1180.0
32.5°	927.5	931.0	924.0	929.0	960.4	965.8	1025.1	1100.3	1166.6	1277.6
35°	981.3	983.3	967.3	976.3	1012.2	1026.1	1114.3	1221.9	1292.6	1400.2
37.5°	1176.0	1176.0	1108.3	1064.0	1098.3	1110.8	1236.3	1374.8	1448.0	1564.6
40°	1445.5	1441.0	1341.9	1251.2	1246.8	1271.2	1410.1	1567.5	1648.7	1761.8
42.5°	1732.9	1725.9	1591.0	1501.3	1486.4	1494.8	1610.9	1805.1	1887.8	2002.4
45°	1988.0	1986.0	1862.4	1741.9	1715.0	1741.9	1861.4	2083.1	2142.4	2262.9
47.5°	2201.6	2201.6	2111.5	2032.8	2018.8	2034.8	2200.6	2391.4	2385.9	2540.4
50°	2447.7	2445.7	2360.0	2326.2	2340.6	2363.0	2591.2	2716.2	2638.0	2812.8
52.5°	2620.0	2632.0	2602.6	2597.1	2670.9	2709.7	2987.7	3034.0	2863.6	3071.3
55°	2756.5	2770.5	2804.3	2842.7	2984.7	3035.5	3371.7	3335.3	3052.4	3295.5
57.5°	2949.8	2929.9	2982.2	3057.9	3287.5	3348.8	3743.8	3619.8	3204.3	3477.3
60°	3184.4	3187.4	3196.4	3292.0	3589.9	3668.6	4110.4	3888.7	3302.0	3588.9
62.5°	3466.3	3470.8	3489.2	3636.2	3995.8	4070.0	4500.9	4108.9	3346.8	3557.5
65°	3446.9	3465.8	3671.6	4174.1	4613.0	4686.2	4956.7	4263.3	3279.0	3270.6
67.5°	3140.1	3171.0	3515.1	4816.7	5543.4	5625.1	5507.6	4293.7	2986.7	2543.3
70°	2737.6	2748.6	3162.5	5394.5	6620.9	6703.5	6000.7	3959.5	2266.4	1418.6
72.5°	2137.9	2140.4	2626.0	5528.5	7205.6	7210.1	5613.7	2939.3	1218.9	544.9
75°	1527.2	1512.3	1758.8	4483.5	6339.4	6390.2	4208.5	1378.8	465.7	257.5
77.5°	818.9	835.3	995.2	2658.9	4379.4	4466.0	2296.3	397.5	237.1	175.3
80°	253.0	267.0	408.0	1217.4	2480.6	2532.9	851.3	176.8	165.4	125.0
82.5°	79.7	82.7	190.3	511.6	1029.6	1053.5	246.6	100.1	113.1	82.7
85°	22.9	23.4	84.7	190.8	254.5	259.5	69.2	38.9	64.8	51.3
87.5°	2.5	8.0	31.9	31.9	22.4	21.9	7.5	8.5	18.4	6.5
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°
985.3	0°	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3
989.7	2.5°	987.3	987.7	981.3	970.3	958.4	948.4	935.9	926.0	919.0	917.0
998.7	5°	994.2	990.7	972.3	938.9	899.1	864.7	826.4	796.0	776.1	767.6
1008.2	7.5°	1004.7	994.7	954.4	888.6	812.4	744.7	675.9	622.6	588.8	571.8
1017.1	10°	1013.7	993.7	924.5	815.9	699.3	596.7	504.1	439.8	404.0	387.0
1027.6	12.5°	1022.1	993.2	885.6	729.7	571.8	446.3	360.1	328.3	318.3	314.8
1044.5	15°	1038.1	994.7	836.8	631.1	444.8	337.2	305.8	305.3	307.3	306.3
1070.4	17.5°	1060.0	996.2	781.5	526.5	343.2	297.4	295.9	300.4	303.3	301.9
1102.8	20°	1088.4	1002.2	722.8	422.9	294.9	287.4	290.9	294.9	297.4	294.9
1146.1	22.5°	1128.2	1012.7	658.5	339.7	279.4	281.4	284.4	288.9	291.4	287.9
1201.4	25°	1177.0	1029.1	595.2	295.4	272.0	274.5	278.9	283.9	286.9	283.4
1271.2	27.5°	1240.3	1055.5	537.0	285.4	264.5	266.0	272.5	279.9	283.9	279.4
1370.3	30°	1331.9	1098.8	486.7	289.9	260.0	256.5	265.5	276.0	280.4	276.5
1505.3	32.5°	1453.5	1160.1	455.8	296.9	258.0	245.6	254.0	267.5	275.0	272.5
1681.6	35°	1612.9	1253.2	443.8	304.8	256.5	234.1	240.1	254.5	267.5	270.0
1903.8	37.5°	1806.1	1382.7	447.3	308.3	252.0	224.6	227.6	240.1	257.0	265.0
2153.8	40°	2025.8	1533.7	467.2	304.8	247.1	216.7	217.2	226.6	241.6	253.5
2422.8	42.5°	2252.4	1710.0	504.1	291.9	242.6	209.7	208.2	214.7	224.6	233.1
2691.3	45°	2468.1	1891.3	540.4	274.0	237.1	202.7	199.2	201.7	203.7	207.2
2952.8	47.5°	2656.4	2018.8	530.0	257.5	229.6	194.8	188.8	187.8	181.8	181.3
3186.4	50°	2786.4	2046.7	470.7	241.1	218.7	185.8	176.3	170.4	159.9	154.9
3361.2	52.5°	2827.8	1936.6	384.5	224.6	200.7	173.8	160.4	150.9	138.0	133.5
3461.9	55°	2773.0	1721.0	307.3	204.7	175.8	157.9	143.0	130.5	120.0	114.6
3472.8	57.5°	2639.0	1446.5	243.1	181.3	149.4	140.0	125.0	112.6	103.6	98.1
3351.3	60°	2416.8	1148.6	192.3	153.4	127.5	120.5	105.1	97.1	89.2	82.7
3037.5	62.5°	2079.6	819.9	150.9	121.5	106.6	98.6	89.7	83.7	74.2	65.3
2473.1	65°	1622.8	501.6	116.6	89.2	85.7	81.7	76.2	70.7	59.3	50.3
1613.4	67.5°	1023.6	237.6	83.2	67.2	67.7	65.8	63.3	58.8	50.3	42.3
722.8	70°	450.8	115.1	54.8	51.3	50.3	50.3	52.3	50.8	42.8	35.4
251.0	72.5°	153.4	61.8	40.8	38.9	36.4	35.9	43.8	42.3	34.4	27.4
125.0	75°	80.2	41.3	29.9	27.9	21.9	26.4	34.9	32.9	24.4	17.9
82.7	77.5°	52.3	29.4	20.4	17.9	12.5	17.4	25.9	22.9	14.4	9.0
54.3	80°	32.9	19.4	12.0	8.5	6.0	9.5	13.9	10.0	5.5	2.0
31.9	82.5°	17.4	10.0	4.5	3.0	2.5	3.0	3.5	2.5	1.0	0.0
16.4	85°	7.0	3.5	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0
3.0	87.5°	2.5	0.5	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°
985.3
920.5
770.6
574.3
387.5
313.8
305.8
301.4
294.4
287.4
282.9
279.4
276.0
272.5
270.0
267.0
257.5
236.6
209.2
180.8
155.4
133.0
114.6
97.1
81.2
63.8
48.8
41.3
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