

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: P846647

Luminaire Tested: **GLAN-SB2B-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846647
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-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 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: 7854 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

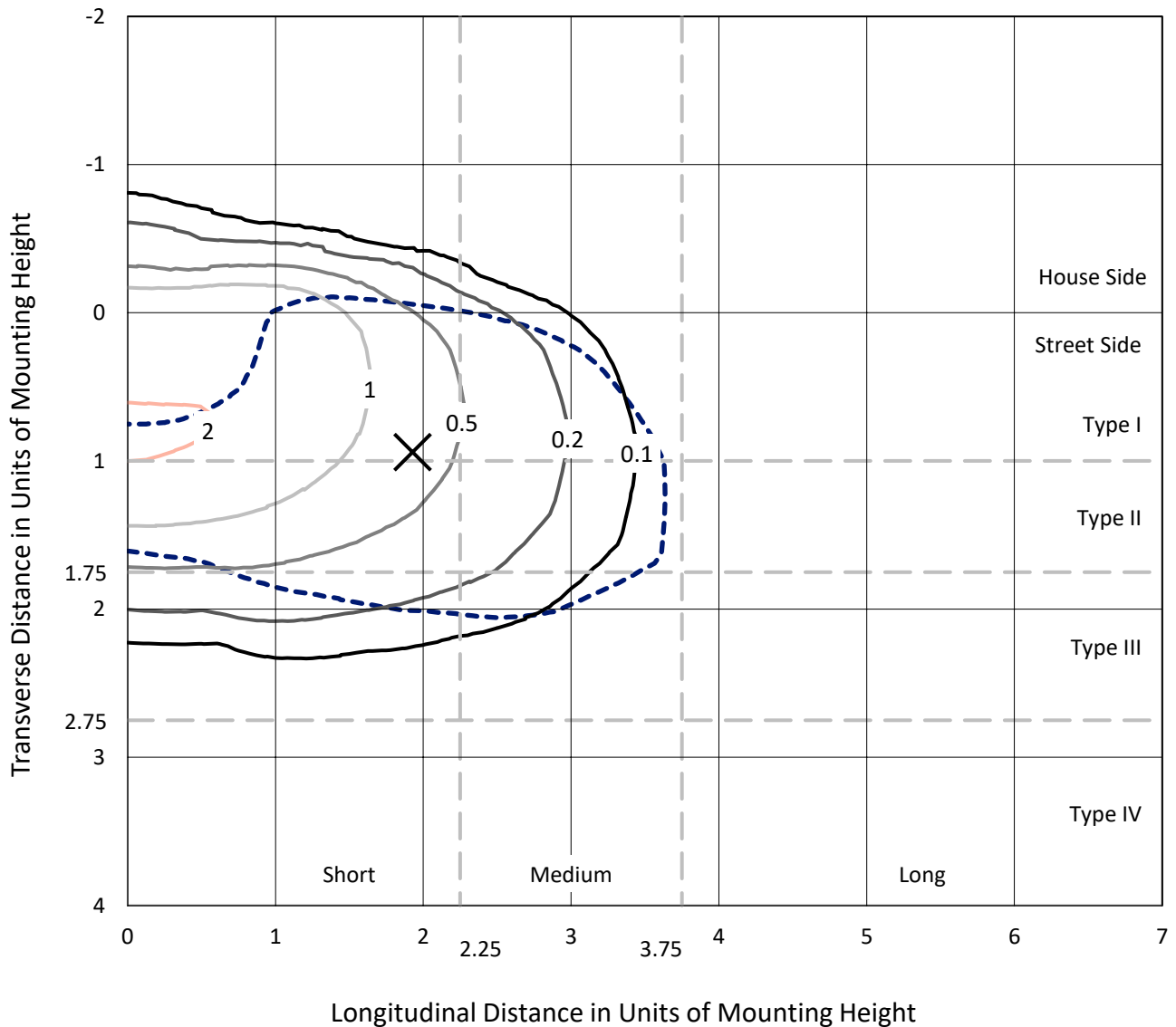
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

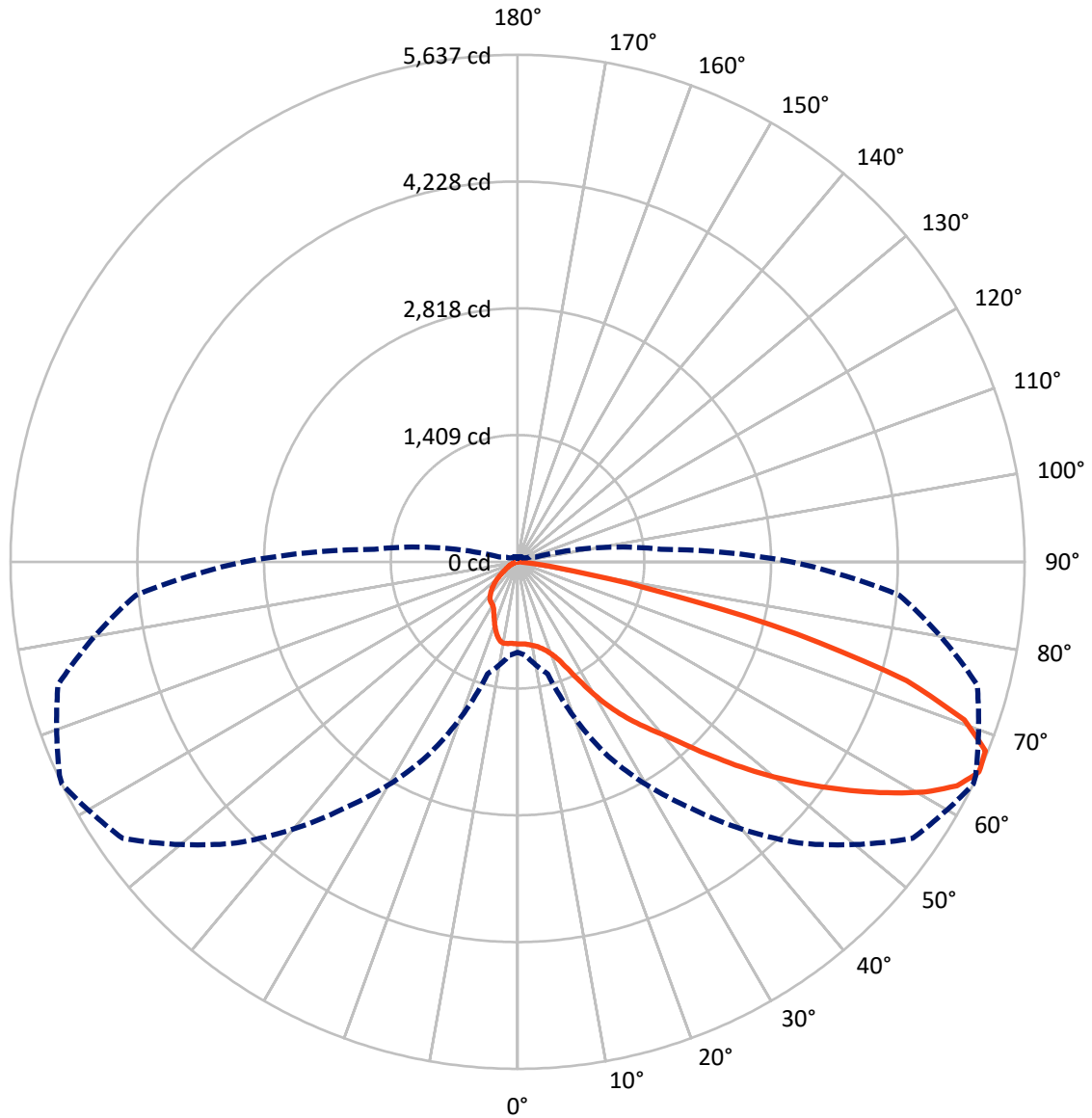
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	1050.3	0.0	1050.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6803.7	0.0	6803.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	7854.0	0.0	7854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.1
10°-20°	228.6	2.9
20°-30°	433.2	5.5
30°-40°	876.5	11.2
40°-50°	1493.1	19.0
50°-60°	2030.6	25.9
60°-70°	1906.8	24.3
70°-80°	763.9	9.7
80°-90°	37.0	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°	7854.0	100.0
0°-180°	7854.0	100.0

Coefficient of Utilization



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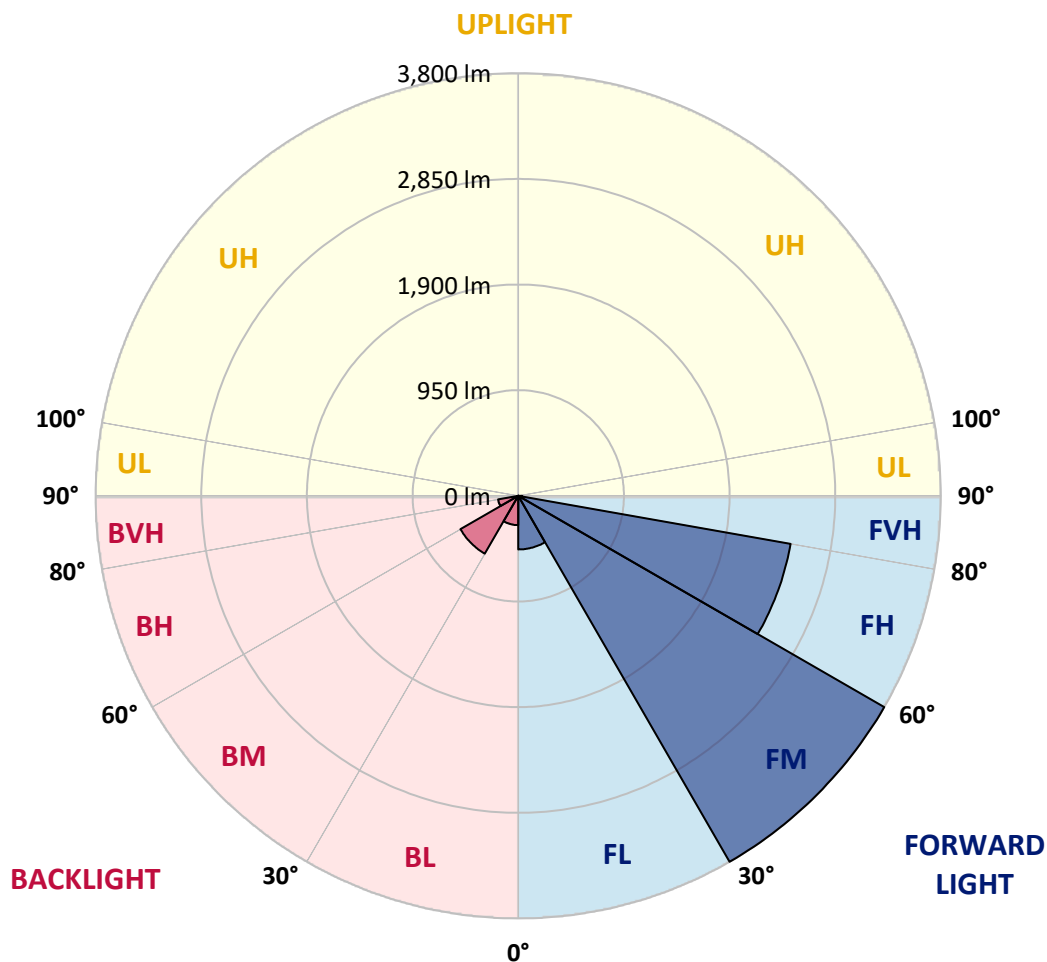
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.3	6.1			
FM (30°-60°)	3799.8	48.4			
FH (60°-80°)	2486.4	31.7			G2/5000
FVH (80°-90°)	35.2	0.4			G1/100
BL (0°-30°)	263.7	3.4	B1/500		
BM (30°-60°)	600.5	7.6	B1/1000		
BH (60°-80°)	184.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	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°	913.5	913.5	913.5	913.5	913.5	913.5	913.5	913.5	913.5	913.5
2.5°	910.3	916.7	915.1	913.5	913.0	914.0	914.6	914.0	914.0	914.0
5°	893.0	898.2	898.2	901.9	907.2	913.5	918.2	919.3	920.3	921.9
7.5°	859.8	864.0	867.2	879.3	892.4	909.3	923.5	930.9	931.9	937.7
10°	837.2	842.4	847.7	860.3	879.3	904.6	928.8	946.7	949.3	963.0
12.5°	836.1	841.4	848.2	861.9	884.0	910.9	940.4	966.2	970.9	990.9
15°	847.2	853.5	859.8	876.6	900.3	933.0	964.6	996.7	1001.4	1029.9
17.5°	869.8	878.2	883.0	899.8	925.1	961.4	1003.0	1039.9	1044.1	1077.2
20°	914.6	924.6	926.1	939.8	964.6	1003.5	1053.0	1098.8	1104.1	1142.0
22.5°	1007.2	1021.4	1008.8	1015.6	1037.8	1076.7	1130.4	1188.3	1195.7	1238.9
25°	1170.4	1190.4	1157.8	1146.2	1155.7	1196.2	1263.6	1336.8	1345.2	1380.0
27.5°	1491.1	1465.3	1415.8	1367.4	1338.9	1362.1	1437.9	1528.5	1539.0	1572.7
30°	1843.3	1820.7	1753.8	1646.4	1579.0	1575.3	1645.4	1746.4	1758.6	1790.7
32.5°	2196.1	2174.5	2101.8	1969.7	1852.8	1794.9	1843.3	1955.5	1961.8	1982.3
35°	2543.1	2520.9	2448.3	2313.0	2169.2	2037.6	2028.1	2154.5	2156.6	2178.2
37.5°	2892.1	2873.7	2796.3	2663.6	2522.0	2340.4	2252.4	2343.0	2345.6	2366.7
40°	3141.2	3149.1	3095.9	2993.2	2871.6	2673.1	2504.1	2543.6	2527.8	2563.1
42.5°	3354.9	3370.7	3324.4	3272.8	3202.3	3027.5	2815.8	2809.0	2783.7	2802.6
45°	3539.8	3552.9	3511.3	3499.2	3497.6	3375.0	3156.5	3115.4	3080.1	3076.4
47.5°	3607.7	3632.9	3650.8	3691.4	3770.4	3718.8	3508.7	3445.0	3405.5	3376.5
50°	3633.5	3660.3	3721.4	3839.3	4026.3	4048.4	3859.3	3787.7	3739.3	3686.7
52.5°	3598.7	3646.6	3728.8	3927.3	4198.4	4312.7	4195.8	4133.1	4077.9	3992.0
55°	3393.9	3441.8	3609.8	3926.2	4284.2	4498.0	4513.8	4485.9	4423.8	4288.5
57.5°	2962.2	3033.2	3299.1	3792.5	4282.7	4657.5	4825.5	4845.5	4776.0	4582.3
60°	2364.0	2460.4	2784.7	3496.1	4150.5	4743.9	5098.8	5198.8	5125.1	4871.8
62.5°	1649.6	1761.2	2068.1	3031.7	3848.3	4681.8	5298.3	5483.1	5427.3	5130.9
65°	1006.2	1042.0	1289.4	2385.6	3334.4	4421.7	5359.9	5636.9	5618.4	5289.4
67.5°	670.3	700.3	771.3	1635.9	2588.3	3902.0	5212.5	5610.0	5615.3	5263.6
70°	403.8	429.6	476.0	951.4	1677.5	3088.5	4756.0	5267.8	5298.3	4918.7
72.5°	166.4	183.8	225.9	431.2	868.7	1960.2	3787.2	4522.8	4593.8	4135.8
75°	94.2	103.2	132.7	216.4	377.0	913.5	2294.0	3210.7	3315.5	2850.5
77.5°	62.7	66.9	85.8	140.1	212.2	311.7	980.4	1672.7	1872.8	1556.9
80°	42.1	45.8	59.0	93.7	137.9	133.7	312.2	619.7	762.4	534.9
82.5°	28.4	29.0	42.1	61.6	87.4	64.8	92.1	192.7	242.2	154.8
85°	16.3	15.8	31.1	35.8	39.0	26.9	27.9	57.9	75.8	65.3
87.5°	2.1	3.2	12.1	9.5	5.3	5.8	5.8	10.0	14.7	15.8
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°
913.5	0°	913.5	913.5	913.5	913.5	913.5	913.5	913.5	913.5	913.5	913.5
914.6	2.5°	914.6	914.0	912.4	910.9	907.2	905.1	906.1	905.1	904.6	905.1
921.4	5°	921.4	919.8	915.6	910.3	903.0	894.0	888.2	879.8	871.9	867.2
939.8	7.5°	939.8	938.2	932.5	917.7	894.0	856.6	822.4	792.4	769.8	756.6
969.3	10°	969.3	966.7	957.7	925.1	863.0	781.3	713.4	657.1	620.2	602.9
1004.1	12.5°	1004.1	1000.9	985.1	918.2	804.0	676.6	582.9	520.2	486.0	470.7
1044.1	15°	1045.1	1040.9	1009.9	885.6	718.2	560.7	474.9	428.1	405.9	392.3
1095.1	17.5°	1096.2	1088.8	1028.3	836.6	625.0	472.3	408.6	373.3	353.8	340.7
1162.0	20°	1162.5	1150.4	1043.0	778.2	539.2	416.5	363.8	334.3	319.6	308.0
1256.8	22.5°	1255.2	1237.8	1060.9	715.0	478.6	378.0	330.7	309.1	297.0	283.8
1388.9	25°	1370.0	1349.5	1083.0	656.6	437.0	344.9	306.4	288.5	274.3	259.0
1562.2	27.5°	1530.6	1493.7	1109.4	608.7	401.2	316.4	284.3	264.3	248.0	235.4
1758.6	30°	1709.6	1649.0	1132.5	579.7	368.6	290.1	255.4	235.4	220.1	211.1
1934.9	32.5°	1879.1	1797.0	1147.8	567.1	339.1	260.1	223.8	202.2	190.6	188.0
2107.6	35°	2039.2	1930.7	1146.2	554.9	312.7	230.1	192.7	170.6	161.6	163.2
2293.5	37.5°	2223.5	2073.4	1135.2	536.0	291.2	202.7	165.9	146.4	138.5	139.0
2519.4	40°	2437.8	2238.2	1128.3	500.2	267.5	177.4	143.7	127.9	122.2	120.0
2757.4	42.5°	2666.3	2397.7	1129.4	459.6	238.0	154.8	128.5	115.3	110.0	108.5
3022.2	45°	2895.8	2549.9	1131.0	417.5	206.9	137.4	117.4	106.4	103.2	101.1
3290.7	47.5°	3111.7	2679.4	1101.5	372.2	176.4	124.3	108.5	101.1	98.5	95.8
3560.3	50°	3312.8	2765.8	1030.4	319.6	152.2	113.7	101.6	96.4	93.7	91.1
3804.6	52.5°	3469.2	2779.5	913.0	265.4	135.3	105.8	97.4	92.7	89.5	86.9
4002.0	55°	3538.7	2693.6	746.1	214.8	122.2	99.0	93.2	88.5	84.8	82.1
4157.4	57.5°	3520.8	2513.1	581.8	172.7	109.5	92.1	87.9	84.8	80.6	76.3
4283.2	60°	3432.9	2271.4	438.6	143.7	97.9	84.8	82.1	79.5	73.7	67.4
4331.6	62.5°	3280.7	1967.6	312.7	119.0	85.3	76.3	75.3	73.2	64.8	53.2
4260.0	65°	3048.0	1598.5	210.6	99.0	73.2	66.9	67.4	63.7	52.7	39.5
3997.8	67.5°	2707.9	1168.9	134.8	81.1	61.1	55.8	56.3	54.2	44.8	33.7
3500.8	70°	2274.5	774.0	87.9	61.6	49.0	43.2	46.3	46.9	37.9	27.4
2686.8	72.5°	1667.5	457.0	61.6	45.8	35.8	30.0	37.9	39.0	30.5	20.5
1616.4	75°	950.4	216.9	46.3	33.2	22.1	21.1	29.5	29.5	21.1	13.7
699.7	77.5°	399.1	90.6	32.6	21.6	12.6	12.1	20.0	18.4	10.5	6.3
170.6	80°	115.3	40.5	17.4	10.5	5.3	4.7	7.9	5.8	2.6	1.1
64.8	82.5°	45.3	17.9	6.8	4.2	2.1	2.1	1.1	0.0	0.0	0.0
36.9	85°	26.9	7.4	3.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0
7.9	87.5°	6.8	1.6	1.1	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°
913.5
907.2
868.2
757.1
601.3
469.1
392.8
339.6
305.9
281.7
257.5
232.7
209.6
189.5
163.2
141.1
119.5
107.9
101.1
95.8
91.1
86.3
81.6
75.8
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