

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: P846657

Luminaire Tested: **GLAN-SB2B-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846657
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-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 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: 7583 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

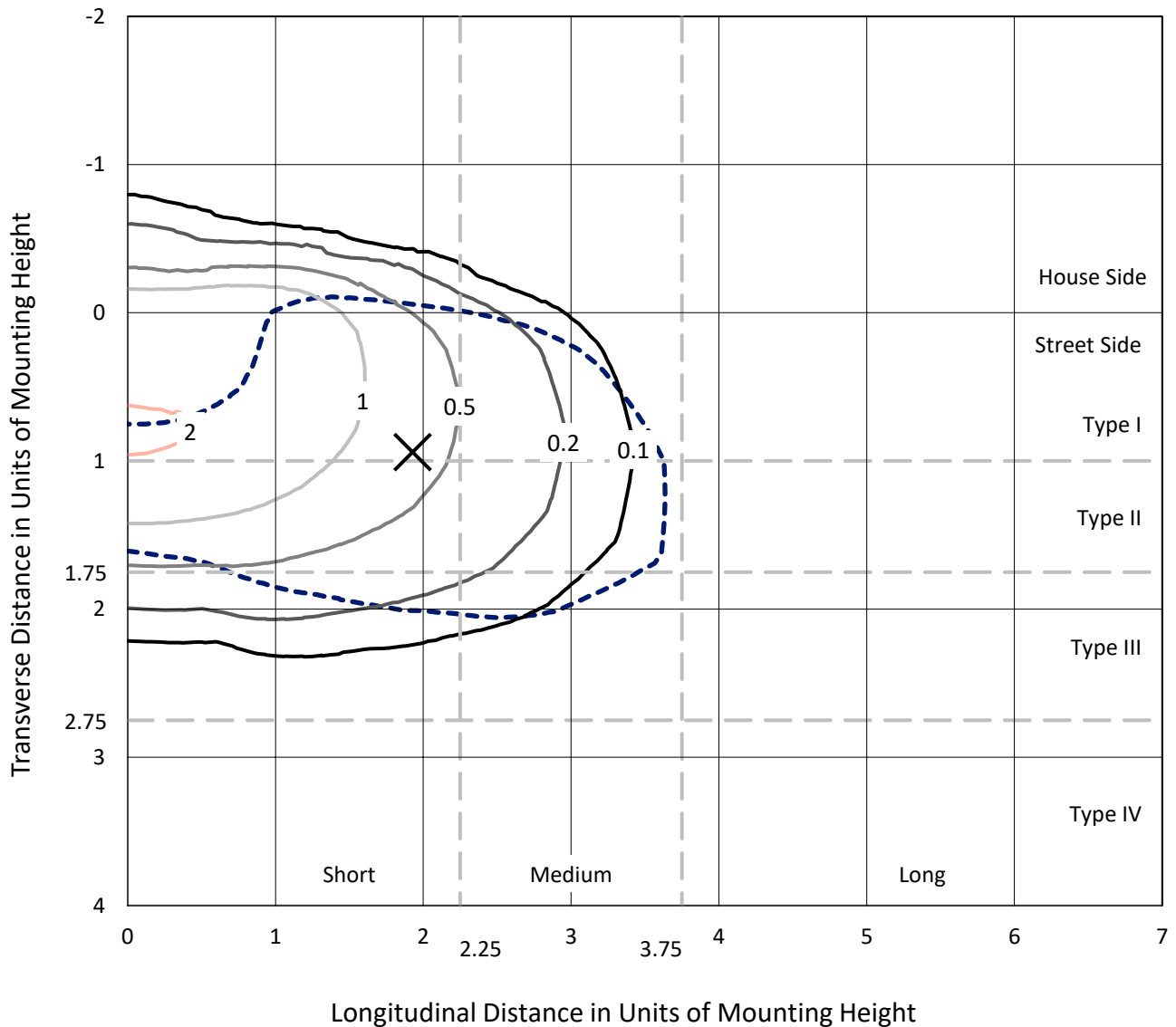
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

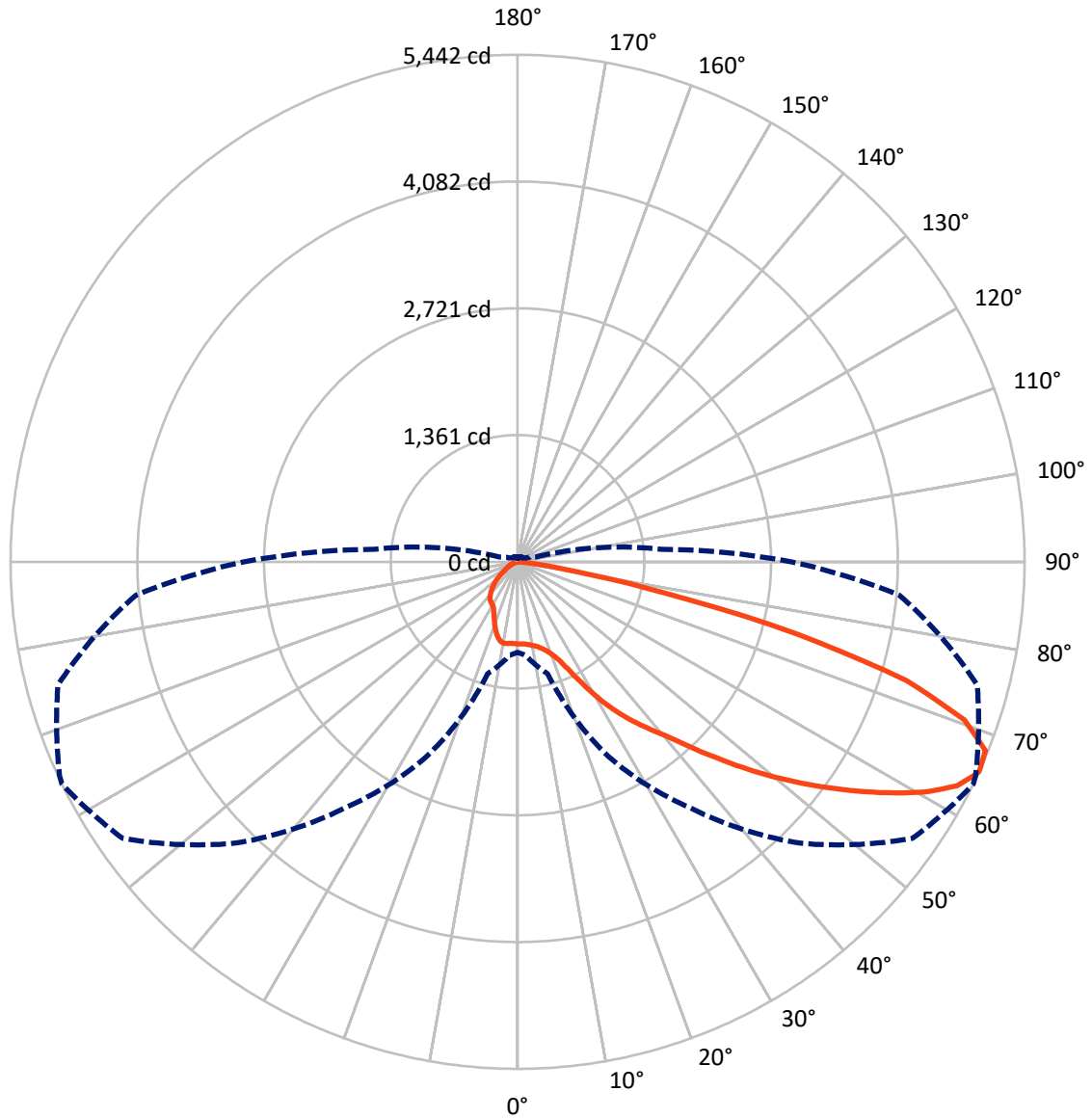
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	1014.1	0.0	1014.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6568.9	0.0	6568.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	7583.0	0.0	7583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.1
10°-20°	220.7	2.9
20°-30°	418.2	5.5
30°-40°	846.3	11.2
40°-50°	1441.6	19.0
50°-60°	1960.5	25.9
60°-70°	1841.0	24.3
70°-80°	737.6	9.7
80°-90°	35.7	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°	7583.0	100.0
0°-180°	7583.0	100.0

Coefficient of Utilization



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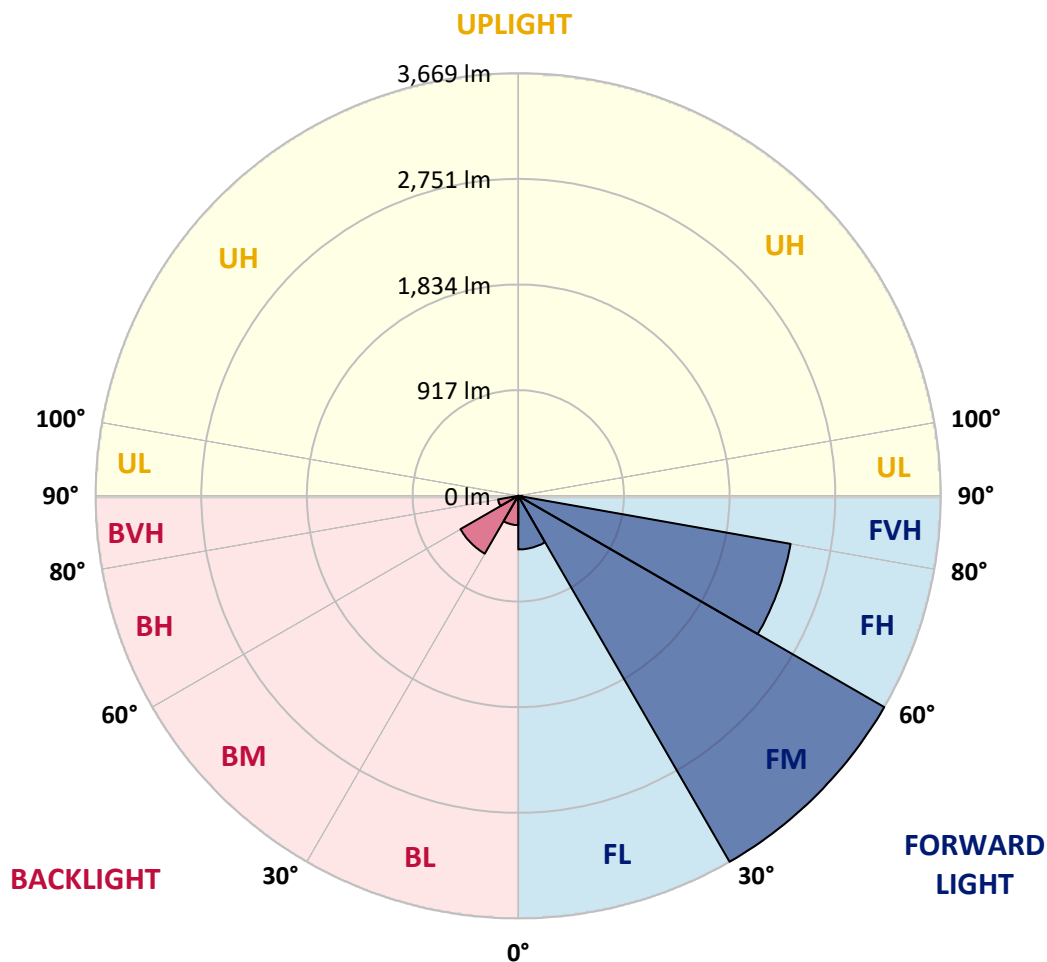
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.7	6.1			
FM (30°-60°)	3668.6	48.4			
FH (60°-80°)	2400.6	31.7			G2/5000
FVH (80°-90°)	34.0	0.4			G1/100
BL (0°-30°)	254.6	3.4	B1/500		
BM (30°-60°)	579.7	7.6	B1/1000		
BH (60°-80°)	178.0	2.3	B1/500		G1/500
BVH (80°-90°)	1.7	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°	882.0	882.0	882.0	882.0	882.0	882.0	882.0	882.0	882.0	882.0
2.5°	878.9	885.0	883.5	882.0	881.5	882.5	883.0	882.5	882.5	882.5
5°	862.2	867.2	867.2	870.8	875.9	882.0	886.6	887.6	888.6	890.1
7.5°	830.1	834.2	837.2	848.9	861.6	877.9	891.6	898.8	899.8	905.4
10°	808.3	813.4	818.4	830.6	848.9	873.3	896.7	914.0	916.5	929.8
12.5°	807.3	812.3	818.9	832.2	853.5	879.4	907.9	932.8	937.4	956.7
15°	817.9	824.0	830.1	846.4	869.3	900.8	931.3	962.3	966.9	994.3
17.5°	839.8	847.9	852.5	868.8	893.2	928.2	968.4	1004.0	1008.1	1040.1
20°	883.0	892.7	894.2	907.4	931.3	968.9	1016.7	1060.9	1066.0	1102.6
22.5°	972.5	986.2	974.0	980.6	1002.0	1039.6	1091.4	1147.3	1154.5	1196.1
25°	1130.1	1149.4	1117.9	1106.7	1115.8	1155.0	1220.0	1290.7	1298.8	1332.4
27.5°	1439.6	1414.7	1366.9	1320.2	1292.7	1315.1	1388.3	1475.7	1485.9	1518.4
30°	1779.7	1757.9	1693.3	1589.6	1524.5	1521.0	1588.6	1686.2	1697.9	1728.9
32.5°	2120.3	2099.5	2029.3	1901.7	1788.9	1733.0	1779.7	1888.0	1894.1	1913.9
35°	2455.3	2434.0	2363.8	2233.2	2094.4	1967.3	1958.2	2080.2	2082.2	2103.0
37.5°	2792.3	2774.6	2699.8	2571.7	2435.0	2259.6	2174.7	2262.1	2264.7	2285.0
40°	3032.8	3040.4	2989.1	2890.0	2772.5	2580.9	2417.7	2455.8	2440.6	2474.6
42.5°	3239.2	3254.4	3209.7	3159.9	3091.8	2923.0	2718.6	2712.0	2687.6	2705.9
45°	3417.6	3430.3	3390.2	3378.5	3376.9	3258.5	3047.5	3007.9	2973.8	2970.3
47.5°	3483.2	3507.6	3524.9	3564.0	3640.3	3590.5	3387.6	3326.1	3288.0	3260.0
50°	3508.1	3534.0	3593.0	3706.9	3887.3	3908.7	3726.2	3657.0	3610.3	3559.4
52.5°	3474.6	3520.8	3600.1	3791.8	4053.6	4163.9	4051.0	3990.5	3937.1	3854.3
55°	3276.8	3323.1	3485.2	3790.7	4136.4	4342.8	4358.1	4331.1	4271.1	4140.5
57.5°	2860.0	2928.6	3185.3	3661.6	4134.9	4496.8	4659.0	4678.3	4611.2	4424.1
60°	2282.5	2375.5	2688.6	3375.4	4007.3	4580.2	4922.8	5019.4	4948.2	4703.7
62.5°	1592.7	1700.4	1996.8	2927.1	3715.5	4520.2	5115.5	5293.9	5240.0	4953.8
65°	971.5	1006.0	1244.9	2303.3	3219.4	4269.1	5175.0	5442.4	5424.6	5106.9
67.5°	647.1	676.1	744.7	1579.4	2499.0	3767.4	5032.6	5416.4	5421.5	5081.9
70°	389.9	414.8	459.5	918.6	1619.6	2982.0	4591.9	5086.0	5115.5	4749.0
72.5°	160.6	177.4	218.1	416.3	838.8	1892.6	3656.5	4366.7	4435.3	3993.1
75°	91.0	99.6	128.1	208.9	364.0	882.0	2214.9	3099.9	3201.1	2752.2
77.5°	60.5	64.6	82.9	135.2	204.9	300.9	946.5	1615.0	1808.2	1503.2
80°	40.7	44.2	56.9	90.5	133.2	129.1	301.4	598.3	736.1	516.5
82.5°	27.5	28.0	40.7	59.5	84.4	62.5	89.0	186.1	233.8	149.5
85°	15.8	15.3	30.0	34.6	37.6	25.9	26.9	55.9	73.2	63.0
87.5°	2.0	3.1	11.7	9.2	5.1	5.6	5.6	9.7	14.2	15.3
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°
882.0	0°	882.0	882.0	882.0	882.0	882.0	882.0	882.0	882.0	882.0	882.0
883.0	2.5°	883.0	882.5	881.0	879.4	875.9	873.8	874.9	873.8	873.3	873.8
889.6	5°	889.6	888.1	884.0	878.9	871.8	863.2	857.6	849.4	841.8	837.2
907.4	7.5°	907.4	905.9	900.3	886.0	863.2	827.1	794.0	765.1	743.2	730.5
935.9	10°	935.9	933.3	924.7	893.2	833.2	754.4	688.8	634.4	598.8	582.1
969.4	12.5°	969.4	966.4	951.1	886.6	776.2	653.2	562.7	502.2	469.2	454.5
1008.1	15°	1009.1	1005.0	975.0	855.0	693.4	541.4	458.5	413.3	391.9	378.7
1057.4	17.5°	1058.4	1051.3	992.8	807.8	603.4	456.0	394.5	360.4	341.6	328.9
1121.9	20°	1122.4	1110.7	1007.0	751.3	520.5	402.1	351.3	322.8	308.6	297.4
1213.4	22.5°	1211.9	1195.1	1024.3	690.3	462.1	365.0	319.2	298.4	286.7	274.0
1341.0	25°	1322.7	1302.9	1045.7	633.9	421.9	333.0	295.9	278.6	264.8	250.1
1508.3	27.5°	1477.8	1442.2	1071.1	587.6	387.4	305.5	274.5	255.2	239.4	227.2
1697.9	30°	1650.6	1592.1	1093.5	559.7	355.8	280.1	246.5	227.2	212.5	203.8
1868.2	32.5°	1814.3	1735.0	1108.2	547.5	327.4	251.1	216.0	195.2	184.0	181.5
2034.9	35°	1968.8	1864.1	1106.7	535.8	302.0	222.1	186.1	164.7	156.1	157.6
2214.4	37.5°	2146.7	2001.9	1096.0	517.5	281.1	195.7	160.1	141.3	133.7	134.2
2432.4	40°	2353.6	2161.0	1089.4	482.9	258.2	171.3	138.8	123.5	117.9	115.9
2662.2	42.5°	2574.3	2315.0	1090.4	443.8	229.8	149.5	124.0	111.3	106.2	104.7
2917.9	45°	2795.9	2461.9	1091.9	403.1	199.8	132.7	113.4	102.7	99.6	97.6
3177.2	47.5°	3004.3	2587.0	1063.5	359.4	170.3	120.0	104.7	97.6	95.1	92.5
3437.4	50°	3198.5	2670.3	994.8	308.6	146.9	109.8	98.1	93.0	90.5	87.9
3673.3	52.5°	3349.5	2683.6	881.5	256.2	130.6	102.2	94.0	89.5	86.4	83.9
3863.9	55°	3416.6	2600.7	720.3	207.4	117.9	95.6	90.0	85.4	81.8	79.3
4013.9	57.5°	3399.3	2426.3	561.7	166.7	105.7	89.0	84.9	81.8	77.8	73.7
4135.4	60°	3314.4	2193.0	423.5	138.8	94.6	81.8	79.3	76.8	71.2	65.1
4182.2	62.5°	3167.5	1899.7	302.0	114.9	82.4	73.7	72.7	70.7	62.5	51.3
4113.0	65°	2942.8	1543.3	203.3	95.6	70.7	64.6	65.1	61.5	50.8	38.1
3859.9	67.5°	2614.4	1128.5	130.1	78.3	59.0	53.9	54.4	52.4	43.2	32.5
3380.0	70°	2196.1	747.3	84.9	59.5	47.3	41.7	44.7	45.2	36.6	26.4
2594.1	72.5°	1609.9	441.2	59.5	44.2	34.6	29.0	36.6	37.6	29.5	19.8
1560.6	75°	917.6	209.4	44.7	32.0	21.4	20.3	28.5	28.5	20.3	13.2
675.6	77.5°	385.3	87.4	31.5	20.8	12.2	11.7	19.3	17.8	10.2	6.1
164.7	80°	111.3	39.1	16.8	10.2	5.1	4.6	7.6	5.6	2.5	1.0
62.5	82.5°	43.7	17.3	6.6	4.1	2.0	2.0	1.0	0.0	0.0	0.0
35.6	85°	25.9	7.1	3.1	1.5	0.5	0.0	0.0	0.0	0.0	0.0
7.6	87.5°	6.6	1.5	1.0	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°
<hr/>
882.0
875.9
838.3
731.0
580.5
452.9
379.2
327.9
295.3
272.0
248.6
224.7
202.3
183.0
157.6
136.2
115.4
104.2
97.6
92.5
87.9
83.4
78.8
73.2
64.1
50.3
37.1
31.0
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