

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: P846807

Luminaire Tested: **GLAN-SB2C-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846807
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-SB2C-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA 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: 9725 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

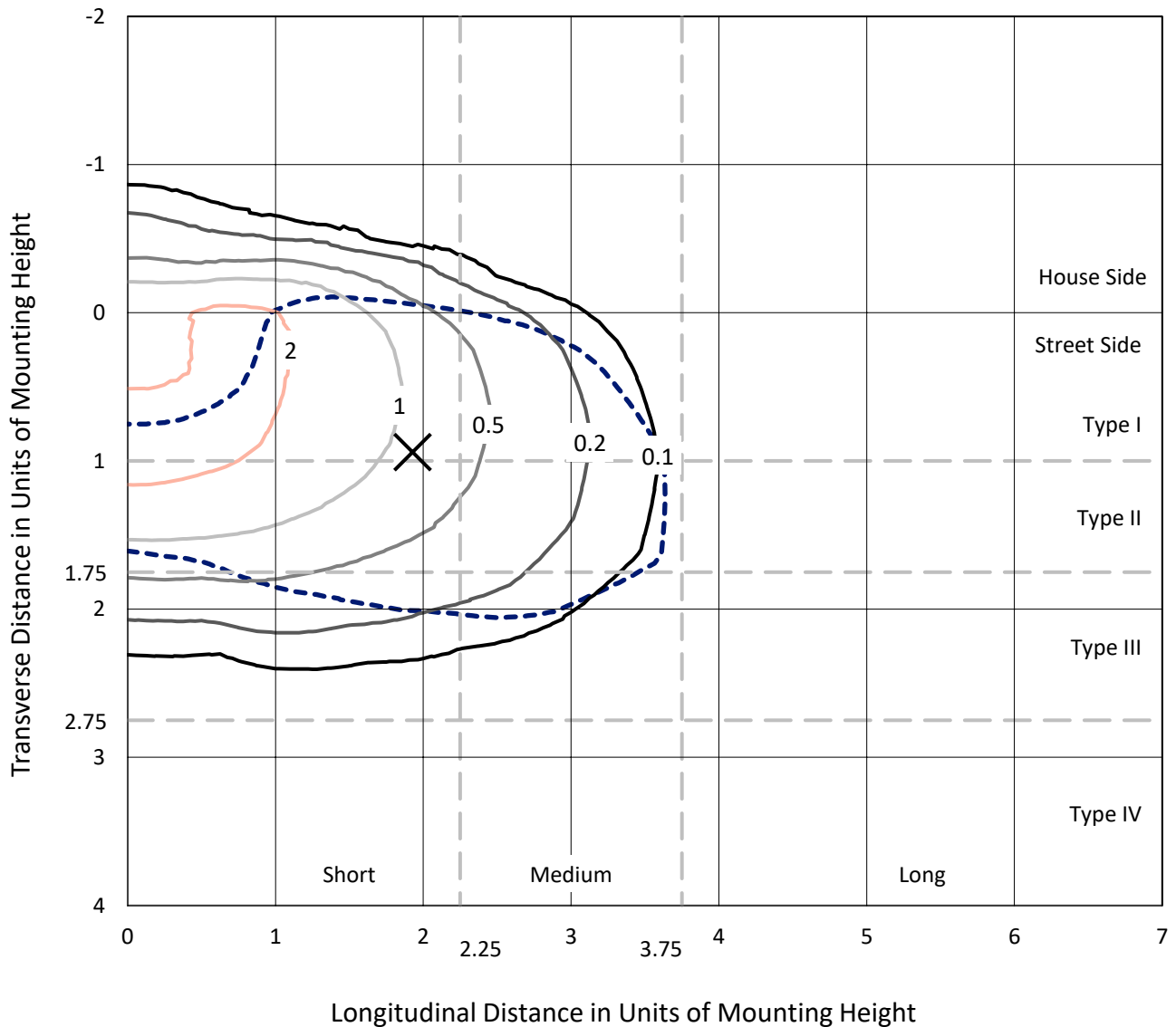
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

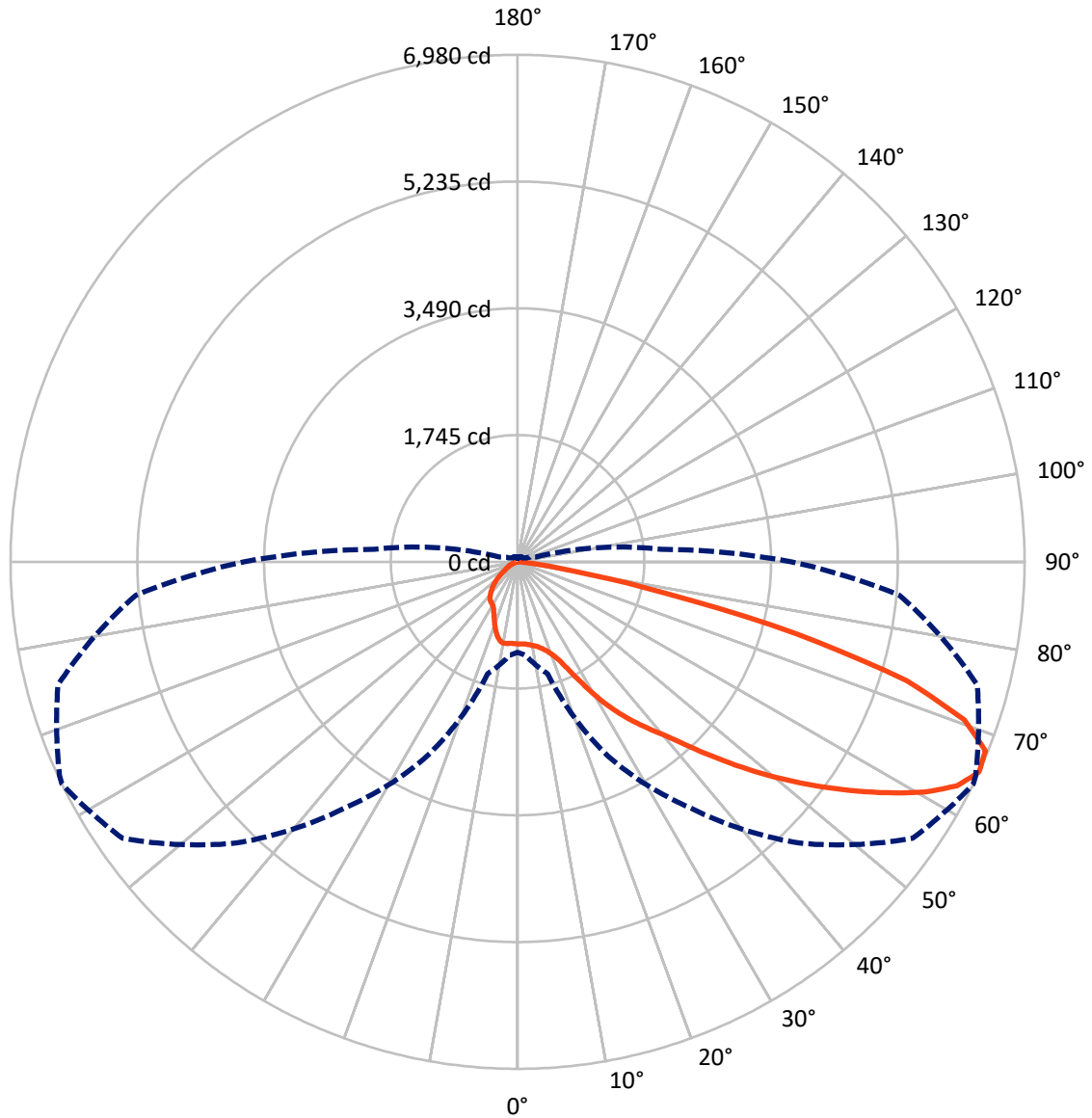
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	1300.5	0.0	1300.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8424.5	0.0	8424.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	9725.0	0.0	9725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	1.1
10°-20°	283.0	2.9
20°-30°	536.3	5.5
30°-40°	1085.3	11.2
40°-50°	1848.8	19.0
50°-60°	2514.3	25.9
60°-70°	2361.0	24.3
70°-80°	945.9	9.7
80°-90°	45.8	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°	9725.0	100.0
0°-180°	9725.0	100.0

Coefficient of Utilization



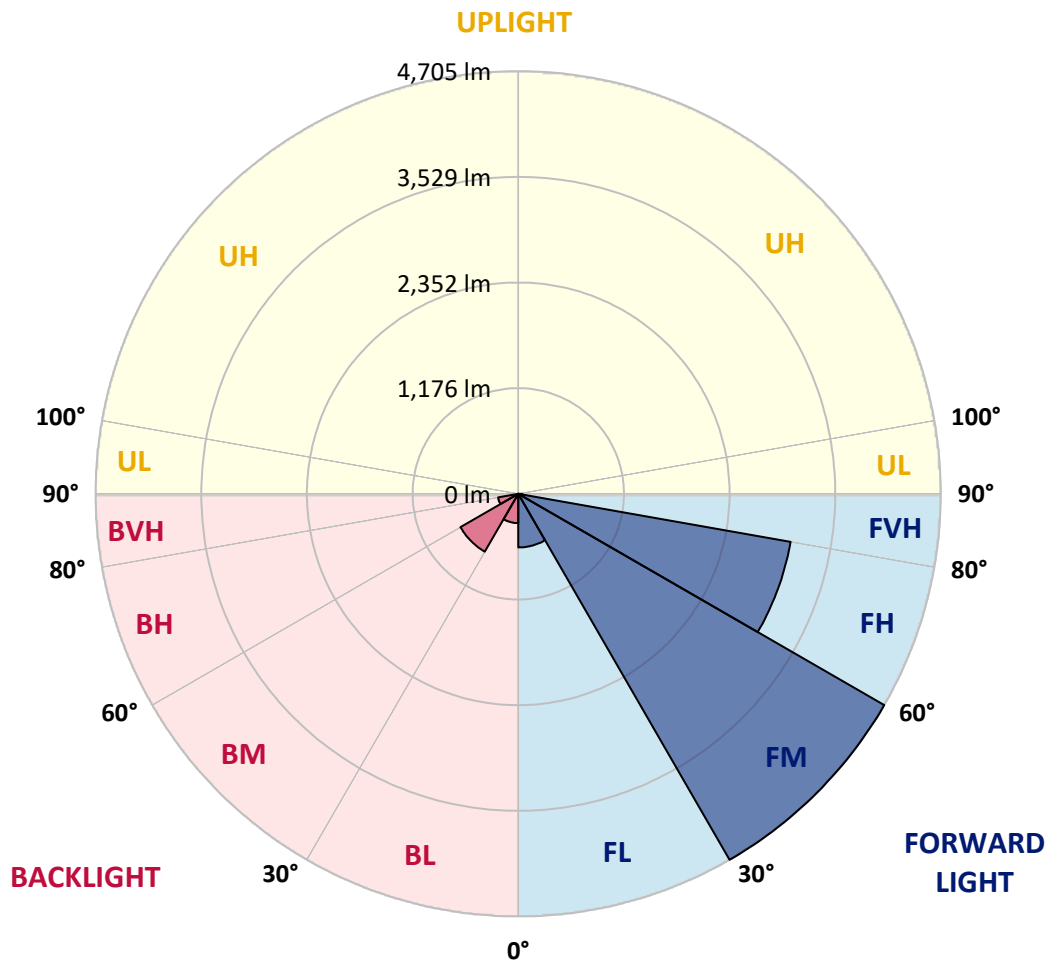
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.2	6.1			
FM (30°-60°)	4704.9	48.4			
FH (60°-80°)	3078.7	31.7			G2/5000
FVH (80°-90°)	43.6	0.4			G1/100
BL (0°-30°)	326.5	3.4	B1/500		
BM (30°-60°)	743.5	7.6	B1/1000		
BH (60°-80°)	228.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	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°	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1
2.5°	1127.2	1135.0	1133.1	1131.1	1130.5	1131.8	1132.4	1131.8	1131.8	1131.8
5°	1105.7	1112.2	1112.2	1116.8	1123.3	1131.1	1137.0	1138.3	1139.6	1141.5
7.5°	1064.6	1069.8	1073.7	1088.7	1105.0	1125.9	1143.5	1152.6	1153.9	1161.1
10°	1036.6	1043.1	1049.6	1065.3	1088.7	1120.0	1150.0	1172.2	1175.5	1192.4
12.5°	1035.3	1041.8	1050.3	1067.2	1094.6	1127.9	1164.4	1196.3	1202.2	1227.0
15°	1049.0	1056.8	1064.6	1085.5	1114.8	1155.2	1194.4	1234.1	1240.0	1275.2
17.5°	1077.0	1087.4	1093.3	1114.2	1145.5	1190.4	1241.9	1287.6	1292.8	1333.9
20°	1132.4	1144.8	1146.8	1163.7	1194.4	1242.6	1303.9	1360.6	1367.1	1414.1
22.5°	1247.2	1264.8	1249.1	1257.6	1285.0	1333.2	1399.7	1471.4	1480.6	1534.0
25°	1449.3	1474.0	1433.6	1419.3	1431.0	1481.2	1564.7	1655.3	1665.7	1708.7
27.5°	1846.3	1814.4	1753.1	1693.1	1657.9	1686.6	1780.5	1892.6	1905.6	1947.3
30°	2282.4	2254.4	2171.6	2038.6	1955.2	1950.6	2037.3	2162.5	2177.5	2217.3
32.5°	2719.2	2692.5	2602.6	2438.9	2294.2	2222.5	2282.4	2421.3	2429.1	2454.6
35°	3148.9	3121.5	3031.5	2864.0	2686.0	2523.0	2511.3	2667.7	2670.4	2697.1
37.5°	3581.1	3558.3	3462.5	3298.2	3122.8	2897.9	2789.0	2901.1	2904.4	2930.5
40°	3889.5	3899.3	3833.4	3706.3	3555.7	3309.9	3100.6	3149.5	3130.0	3173.7
42.5°	4154.2	4173.7	4116.4	4052.5	3965.1	3748.7	3486.6	3478.1	3446.8	3470.3
45°	4383.0	4399.3	4347.8	4332.8	4330.8	4178.9	3908.4	3857.5	3813.9	3809.3
47.5°	4467.1	4498.4	4520.6	4570.8	4668.6	4604.7	4344.5	4265.7	4216.8	4180.9
50°	4499.0	4532.3	4607.9	4754.0	4985.4	5012.8	4778.7	4690.1	4630.1	4564.9
52.5°	4456.0	4515.3	4617.0	4862.8	5198.6	5340.1	5195.3	5117.7	5049.3	4943.0
55°	4202.4	4261.7	4469.7	4861.5	5304.8	5569.5	5589.1	5554.5	5477.6	5310.1
57.5°	3667.8	3755.8	4085.1	4695.9	5302.9	5767.1	5975.0	5999.8	5913.8	5673.8
60°	2927.2	3046.5	3448.1	4328.9	5139.3	5874.0	6313.4	6437.3	6346.0	6032.4
62.5°	2042.5	2180.7	2560.8	3753.9	4765.0	5797.1	6560.5	6789.3	6720.2	6353.2
65°	1245.9	1290.2	1596.6	2953.9	4128.7	5475.0	6636.8	6979.7	6956.9	6549.4
67.5°	829.9	867.1	955.1	2025.6	3204.9	4831.5	6454.2	6946.4	6953.0	6517.5
70°	500.0	532.0	589.4	1178.1	2077.1	3824.3	5889.0	6522.7	6560.5	6090.4
72.5°	206.0	227.5	279.7	533.9	1075.7	2427.2	4689.4	5600.2	5688.2	5121.0
75°	116.7	127.8	164.3	267.9	466.8	1131.1	2840.5	3975.5	4105.3	3529.6
77.5°	77.6	82.8	106.3	173.4	262.7	385.9	1213.9	2071.2	2319.0	1927.8
80°	52.2	56.7	73.0	116.0	170.8	165.6	386.6	767.3	944.0	662.4
82.5°	35.2	35.9	52.2	76.3	108.2	80.2	114.1	238.6	299.9	191.7
85°	20.2	19.6	38.5	44.3	48.2	33.2	34.6	71.7	93.9	80.8
87.5°	2.6	3.9	15.0	11.7	6.5	7.2	7.2	12.4	18.3	19.6
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°
1131.1	0°	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1	1131.1
1132.4	2.5°	1132.4	1131.8	1129.8	1127.9	1123.3	1120.7	1122.0	1120.7	1120.0	1120.7
1140.9	5°	1140.9	1138.9	1133.7	1127.2	1118.1	1107.0	1099.8	1089.4	1079.6	1073.7
1163.7	7.5°	1163.7	1161.8	1154.6	1136.3	1107.0	1060.7	1018.3	981.2	953.1	936.8
1200.2	10°	1200.2	1197.0	1185.9	1145.5	1068.5	967.5	883.4	813.6	768.0	746.5
1243.3	12.5°	1243.3	1239.3	1219.8	1137.0	995.5	837.7	721.7	644.1	601.7	582.8
1292.8	15°	1294.1	1288.9	1250.4	1096.6	889.2	694.3	588.1	530.0	502.6	485.7
1356.0	17.5°	1357.3	1348.2	1273.2	1035.9	773.9	584.8	505.9	462.2	438.1	421.8
1438.8	20°	1439.5	1424.5	1291.5	963.6	667.6	515.7	450.5	414.0	395.7	381.4
1556.2	22.5°	1554.2	1532.7	1313.7	885.3	592.6	468.1	409.4	382.7	367.7	351.4
1719.8	25°	1696.4	1670.9	1341.0	813.0	541.1	427.0	379.4	357.3	339.7	320.8
1934.3	27.5°	1895.2	1849.6	1373.6	753.6	496.8	391.8	352.0	327.3	307.1	291.4
2177.5	30°	2116.9	2041.9	1402.3	717.8	456.4	359.2	316.2	291.4	272.5	261.4
2395.9	32.5°	2326.8	2225.1	1421.2	702.1	419.9	322.1	277.1	250.3	236.0	232.7
2609.7	35°	2525.0	2390.7	1419.3	687.1	387.3	284.9	238.6	211.2	200.1	202.1
2839.9	37.5°	2753.1	2567.3	1405.6	663.7	360.5	251.0	205.4	181.2	171.5	172.1
3119.5	40°	3018.5	2771.4	1397.1	619.3	331.2	219.7	178.0	158.4	151.3	148.6
3414.2	42.5°	3301.4	2968.9	1398.4	569.1	294.7	191.7	159.1	142.8	136.3	134.3
3742.1	45°	3585.7	3157.4	1400.4	517.0	256.2	170.2	145.4	131.7	127.8	125.2
4074.6	47.5°	3853.0	3317.7	1363.9	460.9	218.4	153.9	134.3	125.2	121.9	118.7
4408.4	50°	4102.0	3424.6	1275.8	395.7	188.4	140.8	125.8	119.3	116.0	112.8
4710.9	52.5°	4295.6	3441.6	1130.5	328.6	167.5	131.0	120.6	114.7	110.8	107.6
4955.4	55°	4381.7	3335.3	923.8	266.0	151.3	122.6	115.4	109.5	105.0	101.7
5147.7	57.5°	4359.5	3111.7	720.4	213.8	135.6	114.1	108.9	105.0	99.7	94.5
5303.5	60°	4250.7	2812.5	543.1	178.0	121.3	105.0	101.7	98.4	91.3	83.4
5363.5	62.5°	4062.2	2436.3	387.3	147.3	105.6	94.5	93.2	90.6	80.2	65.8
5274.9	65°	3774.1	1979.3	260.8	122.6	90.6	82.8	83.4	78.9	65.2	48.9
4950.2	67.5°	3352.9	1447.3	166.9	100.4	75.6	69.1	69.8	67.1	55.4	41.7
4334.8	70°	2816.4	958.4	108.9	76.3	60.6	53.5	57.4	58.0	46.9	33.9
3326.9	72.5°	2064.7	565.9	76.3	56.7	44.3	37.2	46.9	48.2	37.8	25.4
2001.5	75°	1176.8	268.6	57.4	41.1	27.4	26.1	36.5	36.5	26.1	17.0
866.4	77.5°	494.2	112.1	40.4	26.7	15.6	15.0	24.8	22.8	13.0	7.8
211.2	80°	142.8	50.2	21.5	13.0	6.5	5.9	9.8	7.2	3.3	1.3
80.2	82.5°	56.1	22.2	8.5	5.2	2.6	2.6	1.3	0.0	0.0	0.0
45.6	85°	33.2	9.1	3.9	2.0	0.7	0.0	0.0	0.0	0.0	0.0
9.8	87.5°	8.5	2.0	1.3	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°
1131.1
1123.3
1075.1
937.5
744.5
580.9
486.3
420.5
378.8
348.8
318.8
288.2
259.5
234.7
202.1
174.7
148.0
133.6
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112.8
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