

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: P846645

Luminaire Tested: **GLAN-SB2B-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7313 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

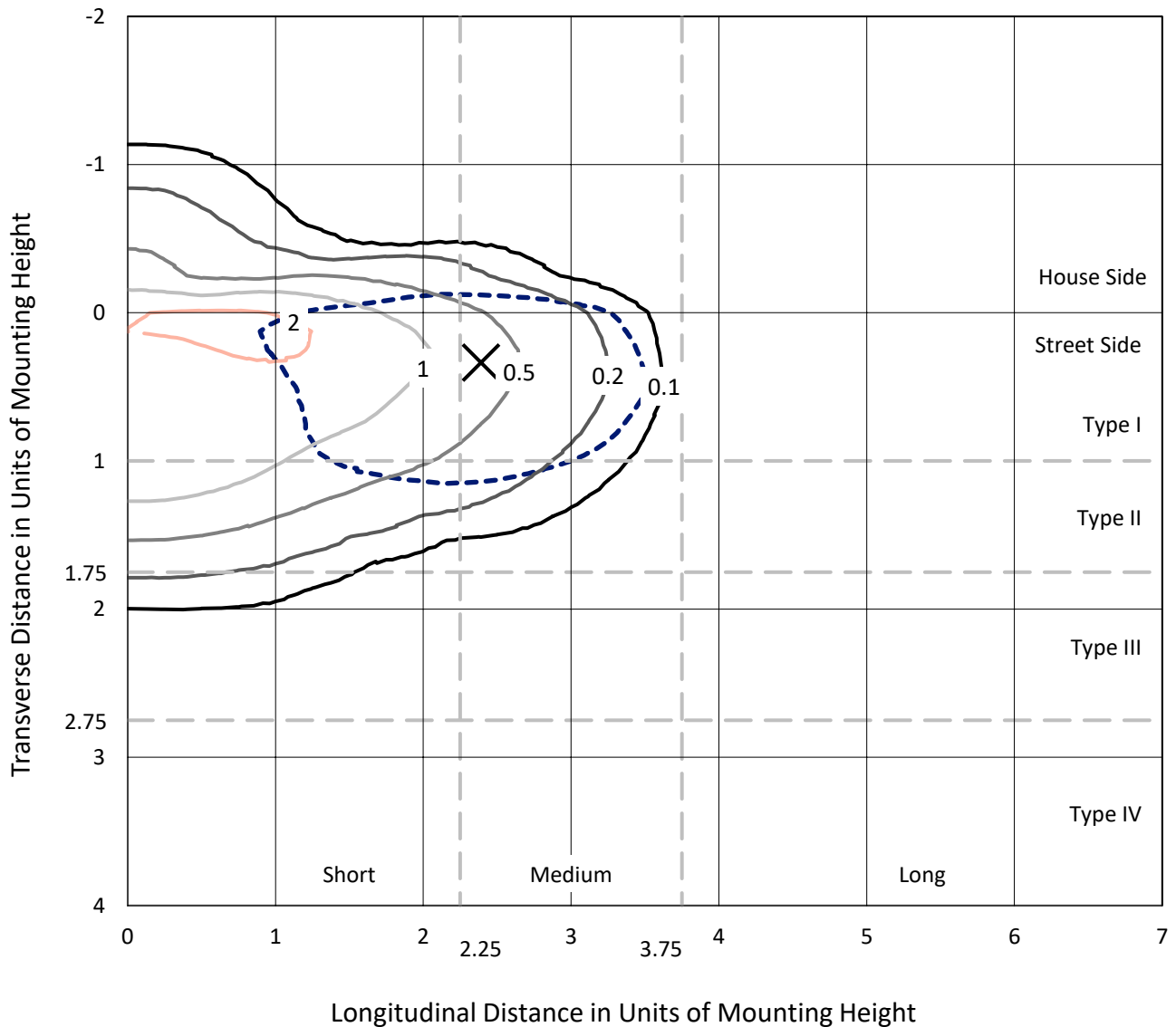
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

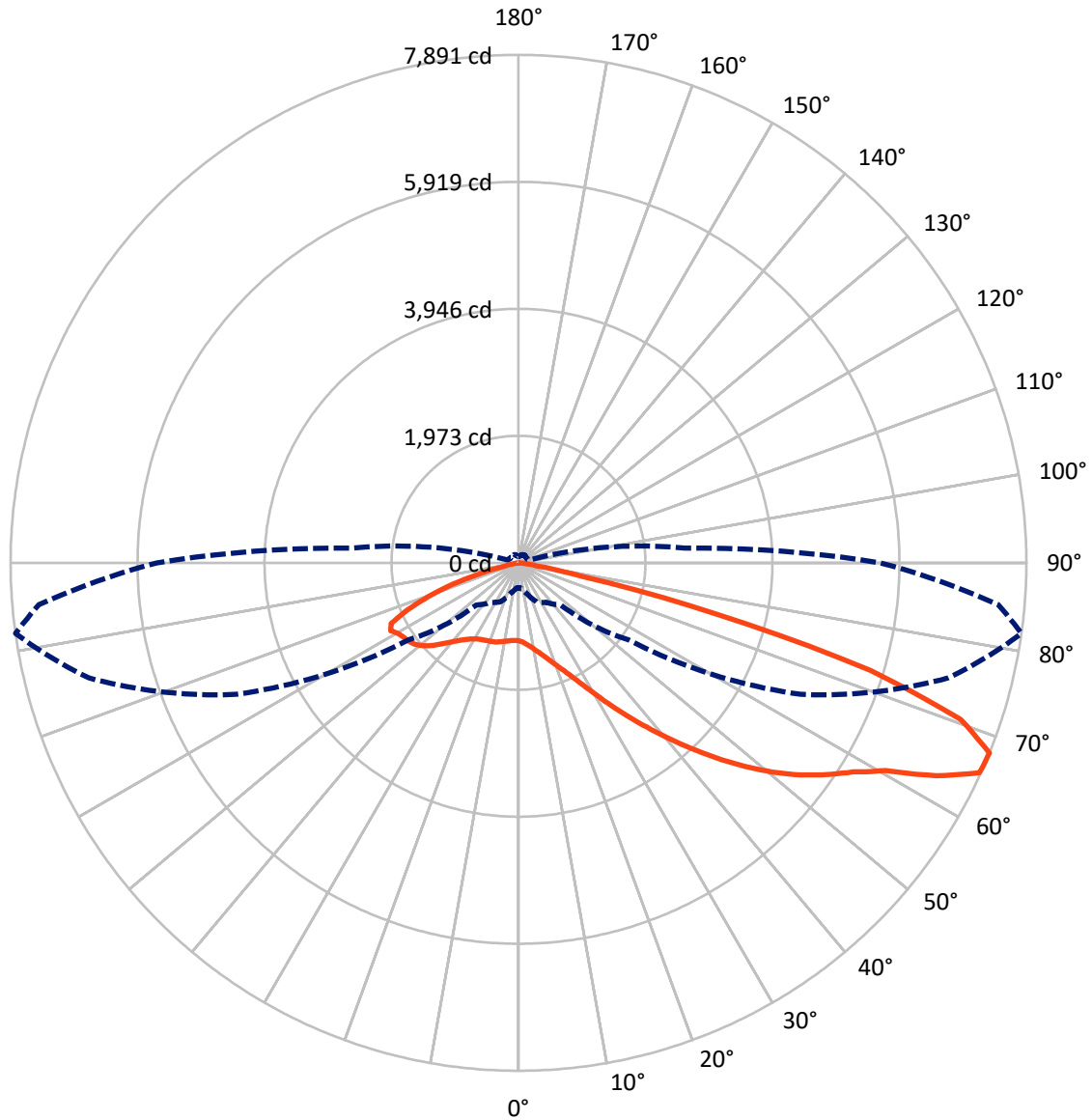
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1324.7	0.0	1324.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5988.3	0.0	5988.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	7313.0	0.0	7313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.9	1.5
10°-20°	280.5	3.8
20°-30°	449.2	6.1
30°-40°	794.4	10.9
40°-50°	1391.9	19.0
50°-60°	1856.4	25.4
60°-70°	1728.2	23.6
70°-80°	663.3	9.1
80°-90°	41.2	0.6
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°	7313.0	100.0
0°-180°	7313.0	100.0

Coefficient of Utilization

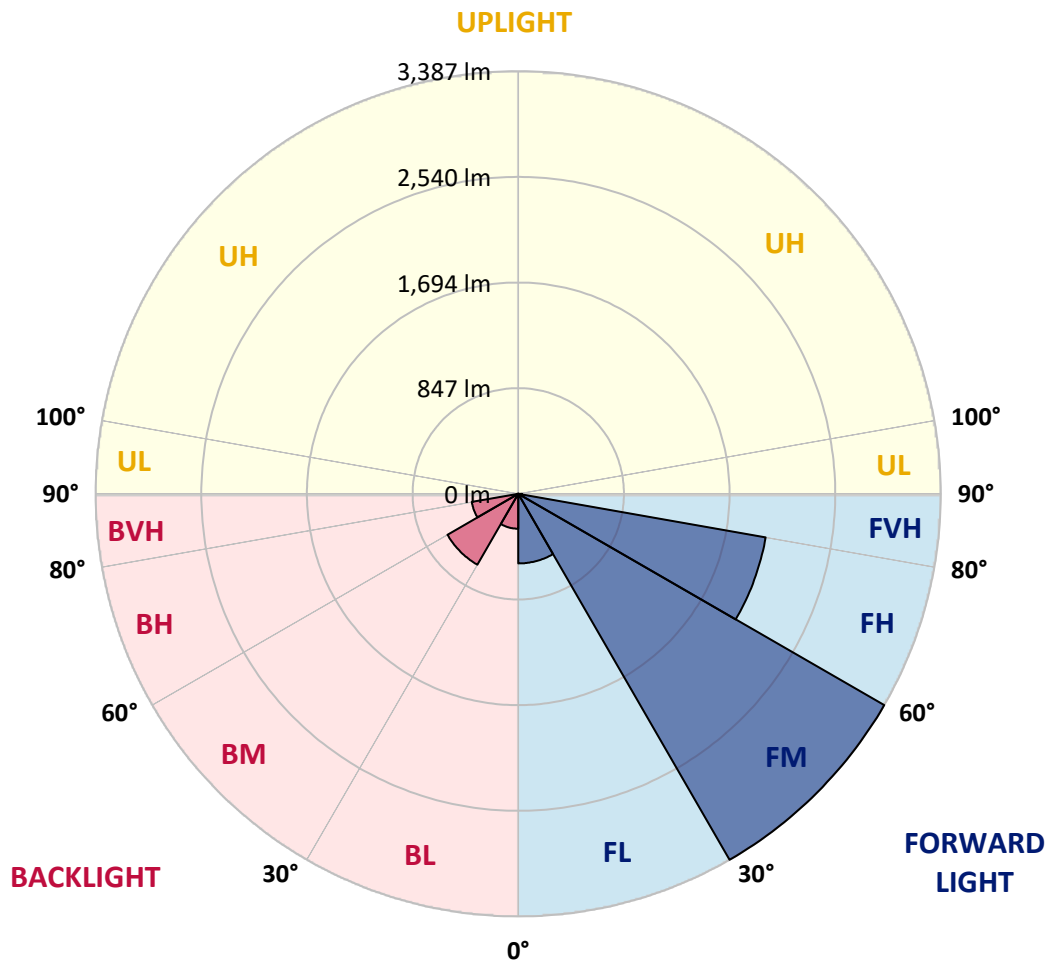


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.9	7.6			
FM (30°-60°)	3387.1	46.3			
FH (60°-80°)	2013.4	27.5			G2/5000
FVH (80°-90°)	30.0	0.4			G1/100
BL (0°-30°)	279.8	3.8	B1/500		
BM (30°-60°)	655.6	9.0	B1/1000		
BH (60°-80°)	378.1	5.2	B1/500		G1/500
BVH (80°-90°)	11.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5
2.5°	1280.5	1287.9	1283.6	1281.5	1277.9	1272.6	1268.4	1255.2	1241.5	1232.6
5°	1306.3	1313.7	1313.1	1315.2	1317.9	1319.5	1318.4	1303.7	1284.2	1268.9
7.5°	1284.2	1292.6	1299.4	1310.0	1328.4	1347.9	1357.4	1354.2	1334.2	1313.1
10°	1221.5	1230.5	1246.8	1271.5	1310.5	1352.6	1387.9	1404.2	1391.6	1368.4
12.5°	1106.7	1115.7	1147.8	1201.5	1266.8	1340.0	1407.4	1451.1	1454.2	1431.1
15°	977.7	986.7	1020.9	1088.3	1187.8	1305.2	1417.9	1500.6	1528.5	1508.5
17.5°	897.7	905.6	931.4	985.6	1089.4	1235.7	1414.2	1553.2	1616.9	1601.1
20°	873.5	880.3	892.4	930.4	1016.7	1163.6	1390.0	1602.7	1712.2	1703.3
22.5°	899.3	905.6	909.3	926.1	980.4	1116.2	1359.5	1653.3	1822.8	1823.9
25°	958.8	965.1	960.9	971.4	995.1	1101.5	1347.9	1712.8	1961.8	1973.4
27.5°	1056.7	1057.2	1047.2	1046.7	1050.4	1123.6	1360.0	1776.5	2137.1	2158.7
30°	1253.1	1245.2	1206.8	1165.2	1146.2	1189.9	1393.7	1851.8	2344.1	2382.5
32.5°	1555.9	1544.3	1473.7	1374.2	1274.2	1296.8	1454.2	1937.6	2569.4	2638.9
35°	1884.4	1881.2	1807.5	1659.6	1484.8	1449.0	1552.7	2050.3	2815.3	2925.9
37.5°	2189.8	2188.2	2146.1	1971.8	1759.1	1661.2	1710.7	2197.7	3078.5	3238.6
40°	2468.8	2473.6	2431.5	2275.6	2061.3	1933.4	1925.5	2379.9	3371.3	3579.3
42.5°	2710.0	2715.3	2672.6	2557.3	2359.9	2234.5	2189.3	2603.1	3657.2	3945.2
45°	2873.7	2906.4	2900.1	2807.9	2666.3	2536.2	2506.2	2883.2	3983.1	4333.2
47.5°	2920.1	2950.1	2997.5	3010.1	2923.8	2795.8	2831.6	3220.7	4312.7	4721.8
50°	2805.8	2833.7	2932.2	3063.3	3123.3	3083.8	3148.0	3582.4	4650.2	5109.3
52.5°	2580.5	2608.9	2733.2	2940.6	3185.4	3309.7	3465.5	3938.9	4977.2	5476.3
55°	2254.5	2284.6	2444.1	2678.9	3067.0	3402.9	3730.4	4294.8	5276.8	5806.4
57.5°	1811.2	1833.3	1999.2	2327.7	2769.0	3310.2	3925.7	4683.4	5559.0	6130.8
60°	1180.5	1199.9	1392.6	1759.1	2275.1	3000.6	3964.7	5116.7	5933.9	6552.5
62.5°	785.0	798.2	912.5	1181.5	1602.2	2406.2	3736.7	5462.6	6483.5	7286.5
65°	538.6	551.8	666.0	853.5	1035.1	1591.7	3081.2	5416.8	6981.6	7869.3
67.5°	384.4	395.4	492.3	669.2	749.2	924.6	2088.7	4831.3	6910.0	7891.4
70°	275.4	281.7	361.7	521.3	595.5	555.5	1161.5	3695.1	6050.2	7287.0
72.5°	192.7	194.8	251.1	397.0	479.7	405.4	552.8	2463.6	4576.0	5719.6
75°	130.6	133.2	169.0	291.2	384.9	309.6	292.7	1321.0	2686.3	3165.9
77.5°	80.0	81.1	109.0	199.0	288.0	235.9	188.5	559.7	1039.3	1020.4
80°	45.3	45.3	69.5	123.7	196.4	152.2	132.2	238.0	329.1	289.1
82.5°	25.3	25.8	50.5	76.9	130.0	90.0	72.7	110.0	142.2	125.8
85°	10.5	11.6	31.1	36.3	62.1	44.8	29.5	46.3	52.7	46.9
87.5°	1.1	1.6	9.5	6.8	7.4	9.0	4.2	9.0	7.4	7.4
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°
1211.5	0°	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5	1211.5
1229.4	2.5°	1219.4	1211.5	1191.5	1168.3	1137.8	1123.1	1103.1	1089.4	1077.8	1078.8
1260.0	5°	1243.1	1223.1	1178.3	1122.5	1053.0	1003.5	950.9	914.6	885.1	878.8
1302.1	7.5°	1275.8	1244.2	1165.7	1065.1	947.7	858.7	779.2	728.2	691.8	680.3
1353.1	10°	1317.9	1272.1	1149.4	993.0	824.0	710.8	625.5	585.5	560.7	552.3
1413.2	12.5°	1366.8	1304.2	1127.8	905.1	696.6	587.6	533.4	513.4	505.5	502.8
1486.9	15°	1428.4	1344.2	1095.2	800.8	588.6	512.3	489.1	486.5	487.6	486.5
1575.3	17.5°	1501.6	1387.9	1042.0	693.4	516.0	473.9	465.4	467.5	470.2	469.7
1674.3	20°	1581.7	1431.1	974.1	598.1	466.5	446.5	441.7	443.9	446.0	444.9
1788.6	22.5°	1672.7	1477.4	898.8	523.9	433.3	421.2	415.9	416.5	416.5	414.4
1933.4	25°	1781.7	1528.5	819.8	471.2	408.1	398.6	392.3	390.1	387.0	380.7
2109.2	27.5°	1911.8	1582.7	744.0	434.4	388.0	379.1	371.7	366.5	358.6	348.0
2320.4	30°	2058.2	1648.5	679.7	411.2	372.2	363.3	354.9	347.0	335.4	322.2
2563.1	32.5°	2230.3	1719.1	632.9	395.9	358.0	348.6	338.6	329.1	316.4	303.3
2835.8	35°	2435.7	1804.4	605.5	385.4	347.0	334.3	323.3	312.8	303.3	291.7
3132.3	37.5°	2658.4	1894.9	597.1	380.1	339.6	320.1	307.5	300.1	299.1	292.2
3452.9	40°	2902.2	2002.3	603.4	377.0	331.7	306.4	292.7	291.2	293.8	281.7
3795.7	42.5°	3160.2	2129.8	613.9	373.3	320.6	292.7	279.6	279.6	277.5	260.6
4157.9	45°	3439.2	2276.7	624.4	364.4	307.5	279.1	269.1	265.4	256.4	240.1
4522.3	47.5°	3720.4	2426.2	632.3	348.0	291.7	267.5	258.5	250.1	236.9	222.2
4879.8	50°	3987.3	2560.5	623.9	323.8	273.8	256.4	246.9	235.4	221.1	211.1
5218.3	52.5°	4225.8	2676.8	588.1	295.4	254.8	244.8	236.4	224.3	212.7	202.2
5523.7	55°	4433.3	2771.1	524.9	268.5	238.0	234.8	226.4	211.1	195.3	186.4
5826.4	57.5°	4632.3	2842.7	446.0	246.4	222.7	223.8	211.1	197.4	182.7	173.2
6234.5	60°	4897.1	2938.5	365.9	225.9	206.4	209.6	195.9	185.9	167.4	155.3
6934.2	62.5°	5320.5	3087.5	290.6	200.6	187.4	188.5	182.7	170.6	148.5	134.3
7452.9	65°	5656.4	3032.7	229.0	173.2	165.9	167.4	167.4	154.3	130.6	114.3
7480.8	67.5°	5618.5	2596.8	182.7	146.4	145.3	146.4	150.1	139.0	115.8	102.7
6911.1	70°	5175.7	2065.5	146.4	121.6	126.4	123.7	134.3	126.9	104.3	91.1
5357.8	72.5°	4223.2	1487.9	111.6	100.6	96.9	101.1	121.1	114.3	86.9	72.1
2837.9	75°	2467.8	794.0	83.2	79.5	70.0	84.2	107.4	97.4	66.3	53.2
869.8	77.5°	803.5	276.9	61.1	58.4	52.1	67.9	91.6	82.1	54.2	42.1
254.8	80°	215.3	83.7	41.6	38.4	33.7	50.5	72.7	65.3	39.0	27.4
109.5	82.5°	86.3	35.3	24.2	21.6	18.4	34.8	57.4	52.7	29.0	17.4
34.2	85°	27.9	11.6	9.0	6.8	8.4	21.6	34.2	35.8	20.5	9.0
5.3	87.5°	3.7	1.6	1.6	2.1	1.6	3.7	10.5	10.0	5.8	1.1
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°
1211.5
1068.3
864.5
668.7
546.0
501.2
486.0
468.6
444.4
413.3
379.6
347.0
321.2
303.8
290.6
291.7
282.2
260.6
239.6
221.7
209.6
201.1
185.3
172.2
153.7
133.2
112.7
100.6
89.5
70.6
51.6
40.5
26.9
17.4
6.8
0.0
0.0

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