

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: P846298

Luminaire Tested: **GLAN-SB1D-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8434 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

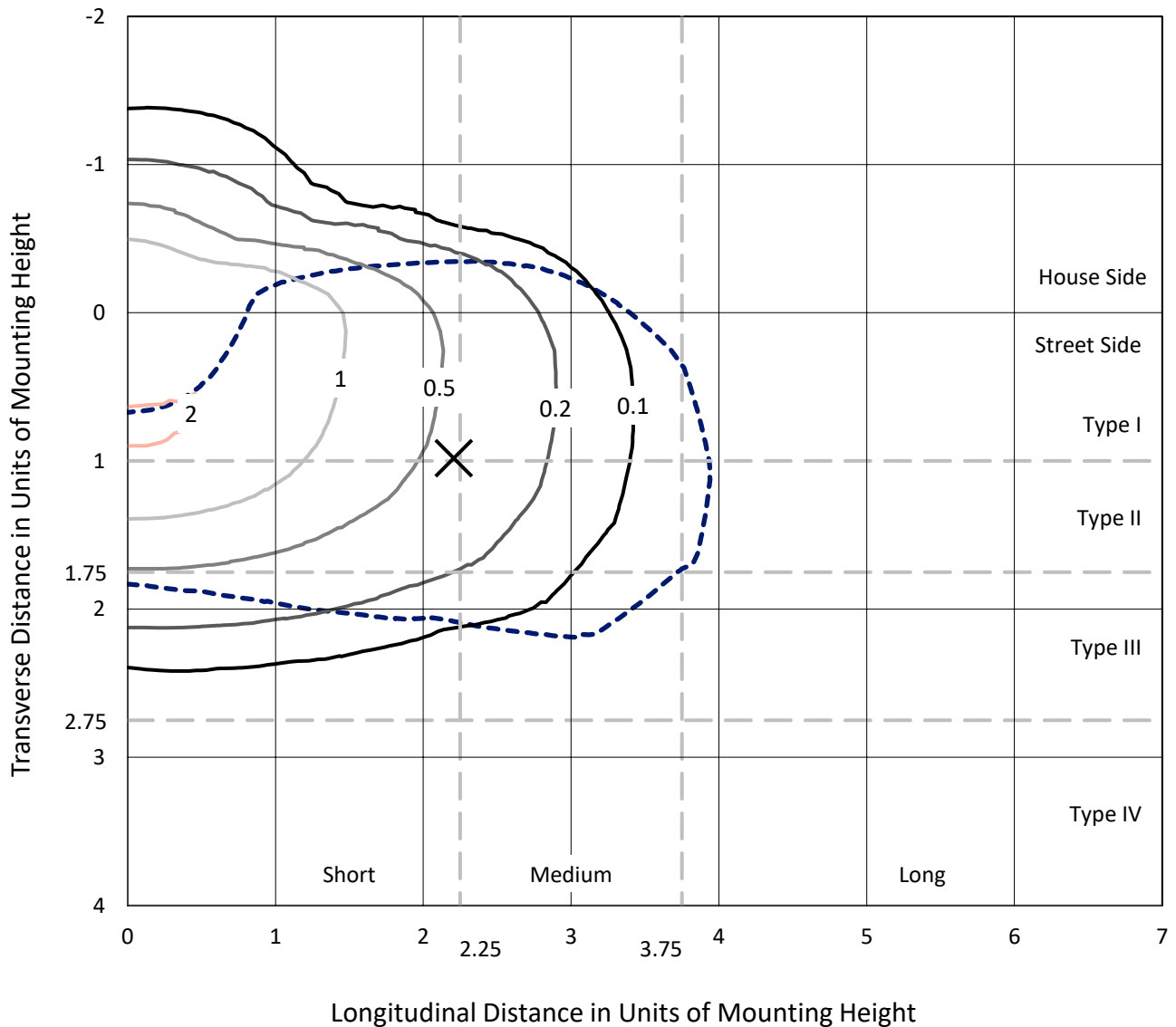
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

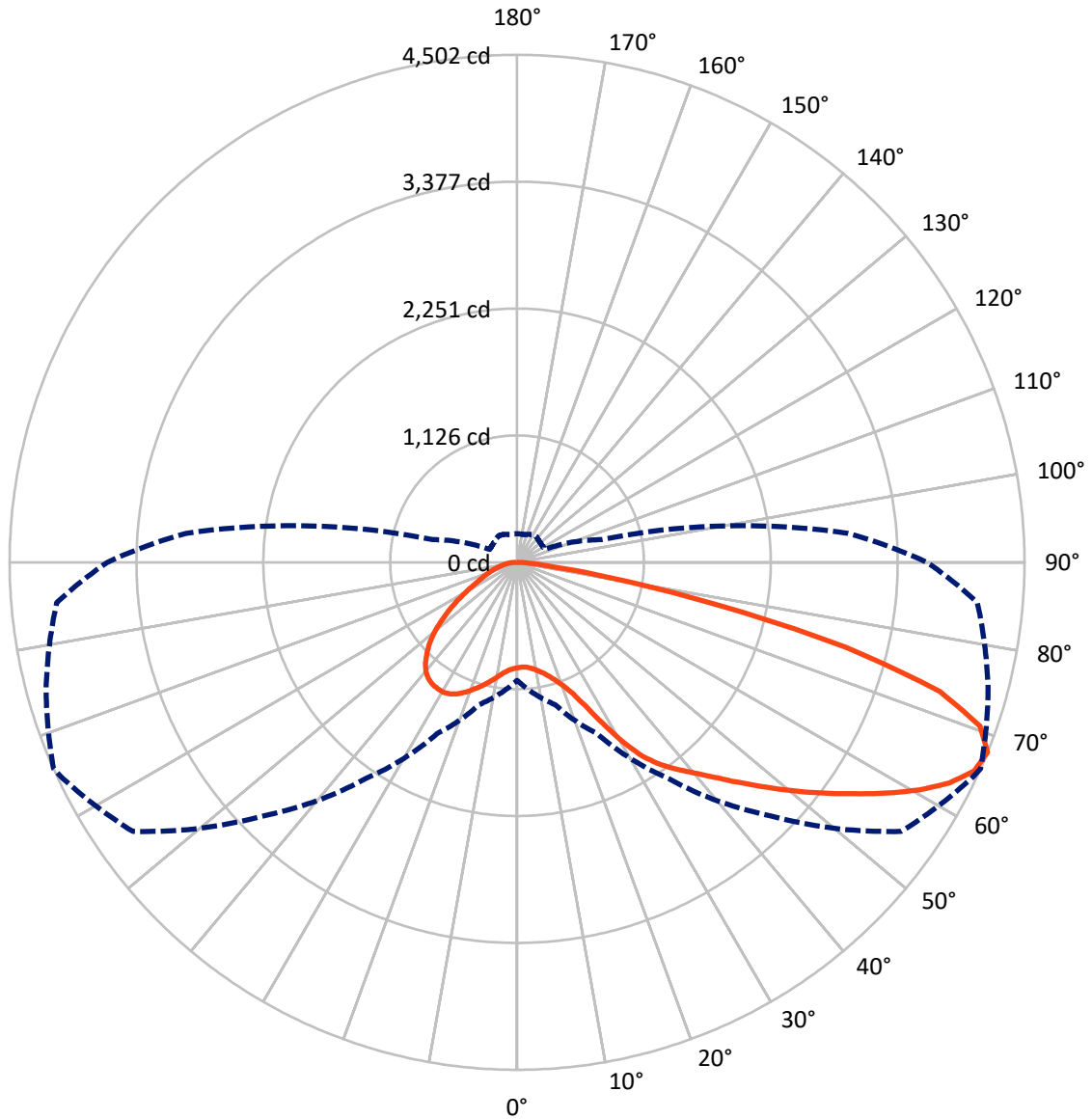
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2097.1	0.0	2097.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6336.9	0.0	6336.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	8434.0	0.0	8434.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.1
10°-20°	306.4	3.6
20°-30°	590.6	7.0
30°-40°	1035.5	12.3
40°-50°	1539.5	18.3
50°-60°	1951.5	23.1
60°-70°	1909.5	22.6
70°-80°	910.8	10.8
80°-90°	97.3	1.2
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°	8434.0	100.0
0°-180°	8434.0	100.0

Coefficient of Utilization

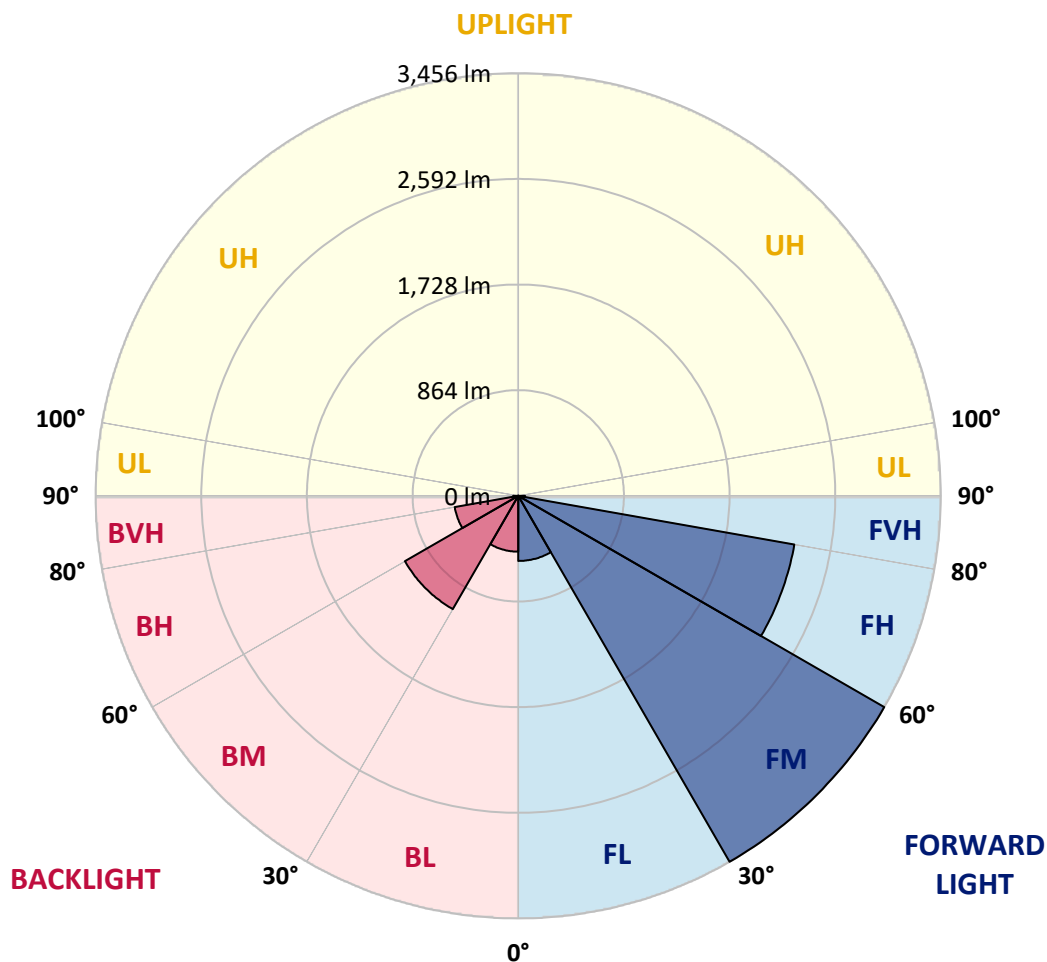


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.9	6.3			
FM (30°-60°)	3456.2	41.0			
FH (60°-80°)	2292.6	27.2			G2/5000
FVH (80°-90°)	55.2	0.7			G1/100
BL (0°-30°)	456.8	5.4	B1/500		
BM (30°-60°)	1070.4	12.7	B2/2500		
BH (60°-80°)	527.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	42.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	925.7	931.0	929.7	927.5	927.0	927.9	929.2	930.6	930.1	932.3
5°	923.0	928.4	927.9	927.9	929.7	933.2	935.4	937.7	935.4	938.1
7.5°	924.8	928.8	930.6	932.3	936.8	943.4	948.7	953.6	951.0	954.1
10°	947.4	950.5	952.3	952.3	955.4	962.9	968.2	977.1	974.9	979.8
12.5°	988.6	991.7	991.7	989.9	992.2	997.0	998.8	1008.6	1004.6	1012.5
15°	1039.1	1045.3	1040.5	1037.4	1038.2	1043.1	1042.7	1050.2	1046.2	1052.9
17.5°	1095.0	1102.9	1095.0	1094.5	1092.8	1098.1	1098.5	1105.2	1098.1	1102.9
20°	1161.0	1172.1	1165.4	1167.6	1163.7	1165.9	1168.1	1177.8	1166.8	1170.3
22.5°	1254.1	1267.3	1260.3	1268.7	1266.0	1264.2	1263.8	1281.1	1263.8	1265.1
25°	1389.6	1405.6	1393.2	1404.7	1404.7	1410.5	1417.1	1439.3	1410.5	1402.1
27.5°	1589.9	1605.9	1581.5	1588.6	1586.4	1600.6	1593.5	1648.4	1617.4	1603.7
30°	1831.0	1859.4	1813.3	1811.5	1809.3	1831.9	1842.1	1878.4	1847.0	1833.2
32.5°	2091.6	2121.3	2066.3	2050.4	2041.9	2055.7	2047.2	2076.5	2054.8	2033.5
35°	2367.2	2396.4	2344.1	2313.1	2279.4	2250.6	2220.5	2228.0	2207.7	2175.3
37.5°	2627.7	2681.4	2626.0	2592.7	2530.7	2474.4	2390.2	2355.2	2336.2	2306.5
40°	2893.2	2923.8	2881.7	2853.3	2785.9	2697.8	2563.0	2489.0	2463.3	2434.5
42.5°	3088.6	3117.8	3095.2	3075.7	3023.0	2920.7	2746.5	2653.9	2616.7	2584.3
45°	3243.7	3265.4	3251.2	3258.3	3235.7	3136.5	2936.6	2830.7	2792.1	2752.7
47.5°	3306.2	3329.2	3351.8	3393.9	3432.5	3359.3	3140.9	3022.1	2981.4	2941.0
50°	3299.1	3322.6	3388.2	3477.7	3597.3	3572.9	3356.2	3226.0	3188.3	3142.2
52.5°	3242.4	3269.0	3353.1	3502.0	3692.6	3732.9	3575.6	3436.5	3401.0	3346.1
55°	3093.5	3109.4	3235.7	3446.6	3715.2	3844.6	3790.5	3660.7	3625.2	3548.6
57.5°	2817.4	2840.4	3024.3	3297.3	3658.5	3920.3	3979.3	3896.4	3862.3	3752.0
60°	2457.1	2493.9	2704.4	3046.5	3514.0	3919.9	4150.8	4128.2	4099.8	3952.3
62.5°	2049.5	2092.0	2294.5	2692.0	3261.4	3808.7	4258.0	4322.3	4307.6	4137.0
65°	1574.0	1603.2	1804.9	2233.4	2868.4	3569.8	4270.4	4454.8	4457.4	4277.5
67.5°	1048.0	1132.2	1307.2	1675.9	2341.9	3179.4	4161.4	4476.5	4502.2	4325.8
70°	511.4	622.2	793.6	1089.2	1675.9	2580.8	3876.5	4298.3	4355.5	4184.9
72.5°	212.3	248.2	341.7	537.5	962.0	1741.5	3304.0	3815.3	3921.2	3708.1
75°	143.1	155.1	195.4	275.6	438.3	858.8	2382.7	2844.9	3015.5	2800.6
77.5°	110.3	117.9	142.2	192.8	260.6	324.8	1275.3	1714.5	1802.6	1668.8
80°	86.9	92.6	106.4	140.5	184.8	173.7	434.7	776.8	827.8	694.4
82.5°	75.3	77.5	76.2	95.3	122.7	101.5	142.7	286.7	316.4	229.5
85°	54.5	60.7	63.4	58.9	65.1	51.4	58.5	101.5	111.7	99.7
87.5°	22.2	32.8	40.3	38.1	23.9	14.6	18.2	29.7	34.1	37.2
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°
935.4	0°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
935.9	2.5°	936.3	939.4	941.6	944.3	946.1	948.7	954.1	957.2	957.6	959.8
943.0	5°	944.7	949.2	954.1	961.1	969.1	975.8	986.0	993.0	995.7	997.9
960.3	7.5°	962.9	969.1	978.0	990.4	1001.9	1010.8	1023.2	1031.6	1040.0	1043.1
987.7	10°	989.9	998.8	1011.7	1028.5	1040.9	1052.4	1065.3	1072.4	1080.8	1084.3
1020.5	12.5°	1023.6	1032.9	1049.8	1073.3	1084.8	1092.8	1097.2	1095.4	1097.2	1100.3
1060.0	15°	1062.2	1072.4	1091.4	1116.7	1124.7	1117.6	1107.8	1099.0	1097.6	1098.5
1107.8	17.5°	1107.8	1115.4	1137.5	1158.8	1153.0	1123.8	1102.5	1088.3	1081.2	1079.0
1169.0	20°	1171.6	1171.6	1189.8	1203.1	1164.5	1114.9	1081.7	1058.6	1044.0	1037.8
1252.3	22.5°	1249.2	1242.1	1253.6	1244.3	1162.3	1090.1	1044.0	1004.1	982.0	973.1
1368.8	25°	1347.6	1339.1	1336.0	1278.4	1146.4	1050.7	975.8	927.5	908.0	903.1
1536.8	27.5°	1496.0	1474.7	1434.4	1297.0	1117.1	988.6	896.0	851.2	840.2	840.6
1752.6	30°	1693.6	1651.1	1552.3	1300.1	1069.3	900.9	814.5	782.6	777.2	779.5
1933.8	32.5°	1876.6	1836.3	1672.8	1286.0	995.7	814.9	741.4	720.1	712.1	714.8
2072.1	35°	2020.2	2009.1	1784.5	1266.0	905.3	734.3	675.8	657.6	642.1	638.5
2202.3	37.5°	2155.8	2151.4	1868.2	1238.1	815.8	677.1	623.0	599.1	576.5	564.1
2346.4	40°	2304.7	2300.3	1923.2	1195.1	736.5	627.5	575.6	544.2	516.2	493.6
2509.4	42.5°	2472.2	2446.1	1949.3	1133.5	669.1	585.4	537.1	494.5	457.8	436.9
2693.8	45°	2655.2	2596.3	1948.9	1055.1	612.4	546.8	495.9	435.6	401.5	382.0
2883.0	47.5°	2849.3	2739.9	1924.9	968.2	557.5	504.3	432.0	386.0	363.4	351.4
3088.6	50°	3049.6	2874.1	1884.2	868.5	501.2	456.0	392.2	360.7	343.4	332.3
3292.4	52.5°	3237.9	2996.0	1835.0	755.5	444.0	409.0	374.4	350.1	331.9	319.5
3490.1	55°	3413.0	3101.0	1765.4	639.9	397.5	377.5	366.0	345.6	324.8	310.2
3690.8	57.5°	3568.5	3169.2	1645.3	531.3	364.3	355.8	357.2	338.1	314.2	301.8
3888.4	60°	3697.9	3219.3	1467.6	430.7	337.2	334.6	343.4	323.9	296.0	281.8
4055.5	62.5°	3775.4	3218.4	1249.6	352.7	314.2	315.1	325.3	306.2	277.8	264.5
4142.8	65°	3768.8	3139.6	1010.3	301.8	292.0	292.9	306.2	286.7	262.8	254.8
4098.9	67.5°	3635.4	2947.2	775.0	268.5	267.6	271.6	287.1	273.4	253.5	252.6
3837.5	70°	3274.3	2548.0	558.3	241.9	242.4	248.2	268.5	265.0	248.6	250.4
3226.4	72.5°	2625.5	1942.7	374.9	214.0	214.5	223.8	250.8	258.3	243.7	267.2
2289.2	75°	1748.6	1211.5	241.1	184.3	184.8	196.7	235.3	245.5	230.4	266.3
1191.1	77.5°	840.2	544.6	174.6	155.1	155.1	166.2	203.4	219.8	196.3	206.9
382.9	80°	290.2	204.7	137.4	125.0	122.3	129.8	171.5	190.5	169.3	156.0
125.0	82.5°	114.3	106.4	110.3	97.0	88.2	93.1	133.4	157.3	124.5	112.6
70.5	85°	65.6	69.1	78.0	64.3	51.0	57.2	97.9	113.0	93.9	82.9
23.0	87.5°	17.7	24.4	35.9	33.2	23.0	24.4	46.5	62.5	54.1	41.7
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°
935.4
959.4
997.5
1043.6
1086.1
1101.2
1101.6
1082.1
1036.5
971.8
904.0
841.9
787.0
718.3
641.2
564.5
495.9
438.3
381.1
348.7
328.4
314.2
304.4
293.8
275.6
260.6
254.4
253.9
249.9
270.8
268.5
189.7
146.2
112.1
84.6
43.0
0.0

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