

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: P846648

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

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846648  
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-SB2B-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10021 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

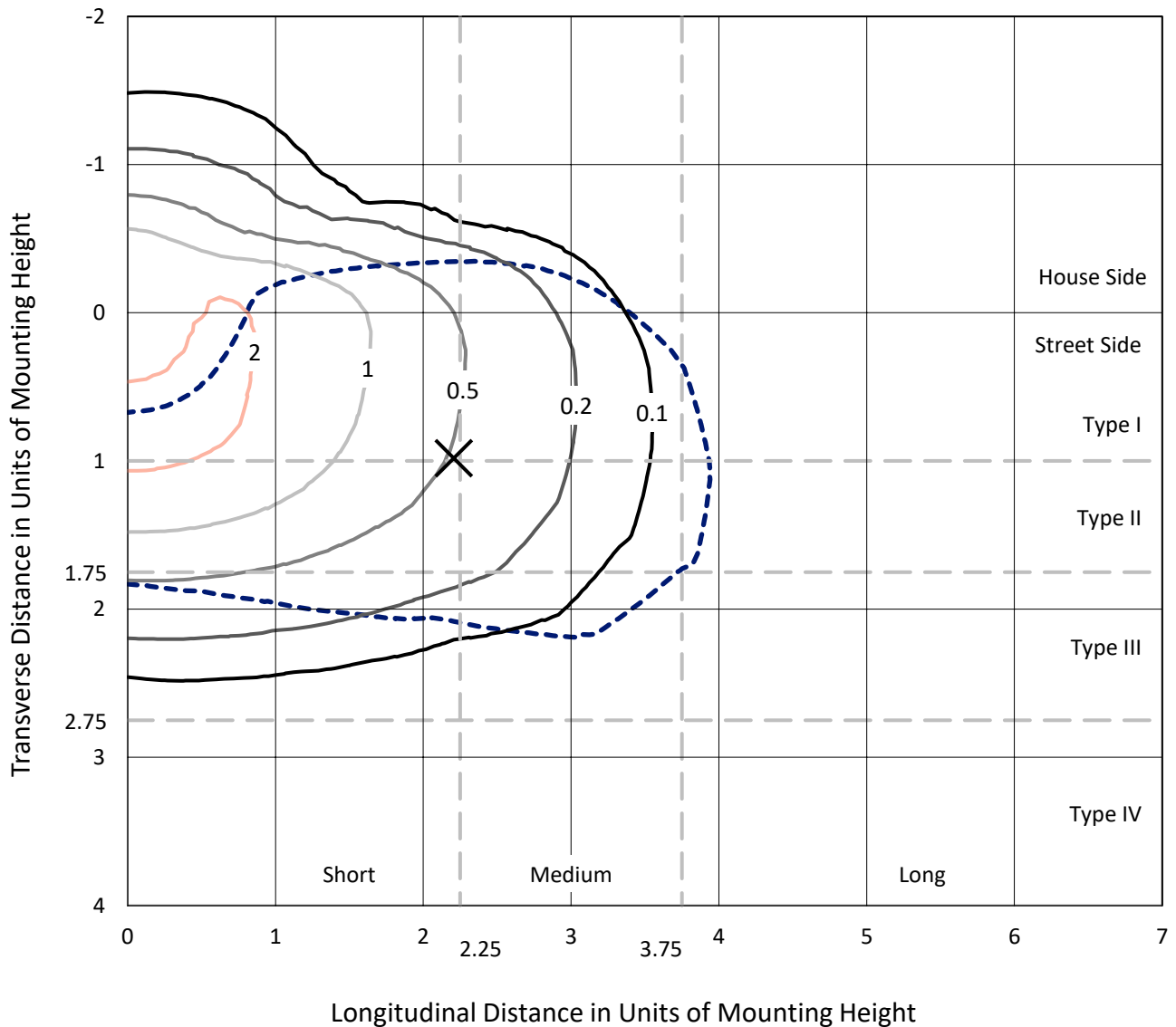
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

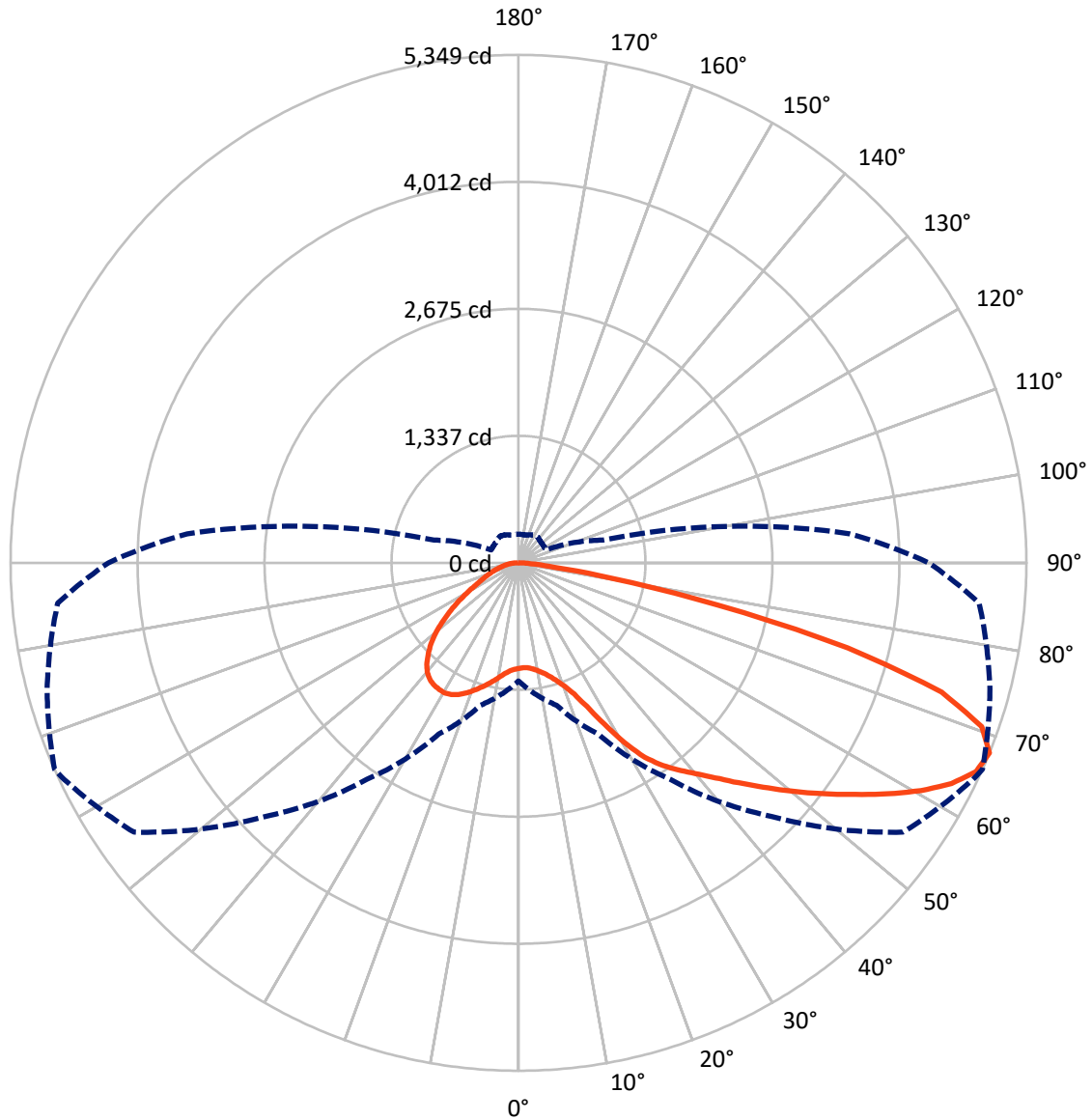
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
<b>House Side</b>	Lumens	2491.7	0.0	2491.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	7529.3	0.0	7529.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	10021.0	0.0	10021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.2	1.1
10°-20°	364.1	3.6
20°-30°	701.7	7.0
30°-40°	1230.4	12.3
40°-50°	1829.2	18.3
50°-60°	2318.7	23.1
60°-70°	2268.8	22.6
70°-80°	1082.2	10.8
80°-90°	115.7	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°	10021.0	100.0
0°-180°	10021.0	100.0

**Coefficient of Utilization**



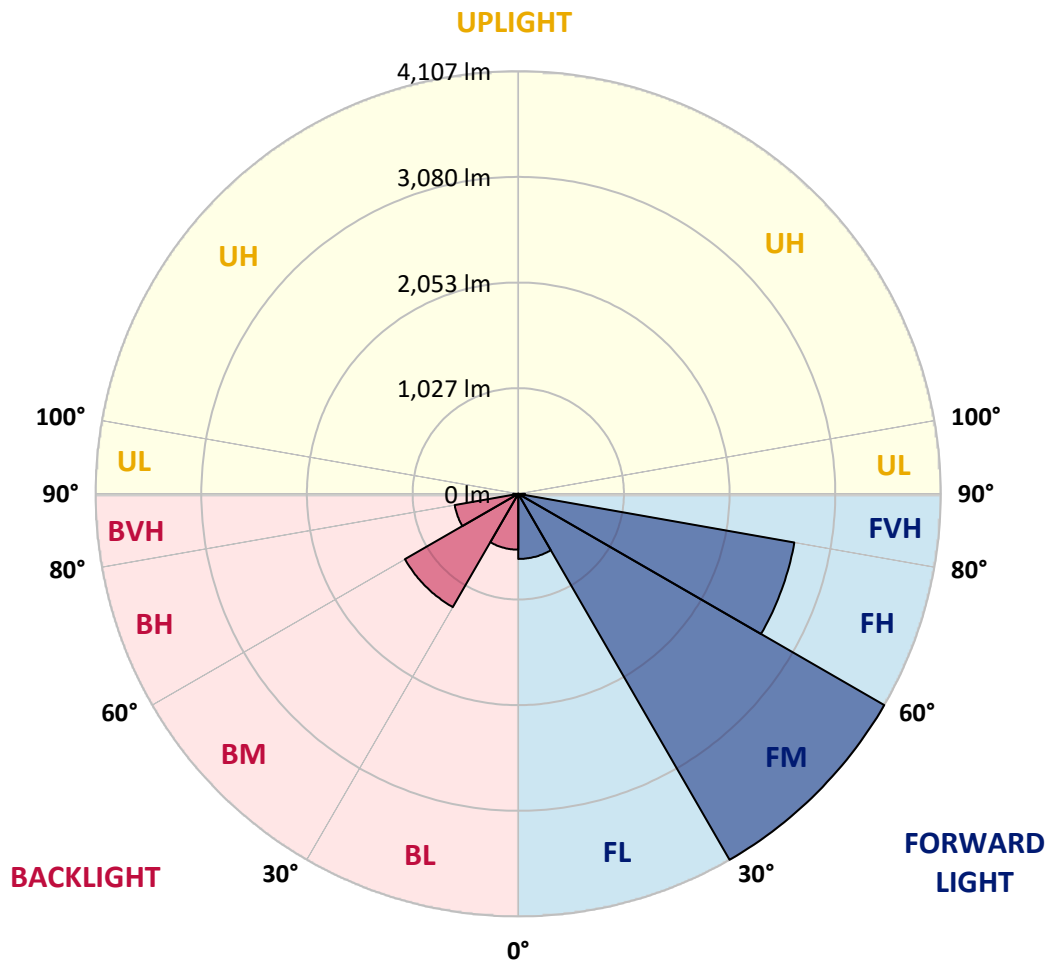
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.2	6.3			
FM (30°-60°)	4106.5	41.0			
FH (60°-80°)	2724.0	27.2			G2/5000
FVH (80°-90°)	65.6	0.7			G1/100
BL (0°-30°)	542.8	5.4	B2/1000		
BM (30°-60°)	1271.8	12.7	B2/2500		
BH (60°-80°)	627.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	50.1	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°	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5
2.5°	1099.9	1106.2	1104.6	1102.0	1101.5	1102.5	1104.1	1105.7	1105.1	1107.8
5°	1096.7	1103.0	1102.5	1102.5	1104.6	1108.8	1111.5	1114.1	1111.5	1114.6
7.5°	1098.8	1103.6	1105.7	1107.8	1113.0	1120.9	1127.3	1133.0	1129.9	1133.6
10°	1125.7	1129.4	1131.5	1131.5	1135.2	1144.1	1150.4	1161.0	1158.3	1164.1
12.5°	1174.6	1178.3	1178.3	1176.2	1178.9	1184.6	1186.8	1198.3	1193.6	1203.1
15°	1234.7	1242.0	1236.2	1232.6	1233.6	1239.4	1238.9	1247.8	1243.1	1251.0
17.5°	1301.0	1310.5	1301.0	1300.5	1298.4	1304.7	1305.2	1313.1	1304.7	1310.5
20°	1379.5	1392.6	1384.7	1387.4	1382.6	1385.2	1387.9	1399.5	1386.3	1390.5
22.5°	1490.0	1505.8	1497.4	1507.4	1504.2	1502.1	1501.6	1522.1	1501.6	1503.2
25°	1651.1	1670.1	1655.3	1669.0	1669.0	1675.9	1683.8	1710.1	1675.9	1665.9
27.5°	1889.1	1908.1	1879.1	1887.5	1884.9	1901.8	1893.3	1958.6	1921.8	1905.4
30°	2175.5	2209.2	2154.5	2152.4	2149.7	2176.6	2188.7	2231.9	2194.5	2178.2
32.5°	2485.1	2520.4	2455.1	2436.2	2426.2	2442.5	2432.5	2467.2	2441.4	2416.2
35°	2812.6	2847.4	2785.2	2748.4	2708.4	2674.1	2638.3	2647.3	2623.1	2584.6
37.5°	3122.2	3185.9	3120.1	3080.6	3006.9	2940.0	2840.0	2798.4	2775.8	2740.5
40°	3437.6	3473.9	3423.9	3390.2	3310.2	3205.4	3045.3	2957.4	2926.9	2892.6
42.5°	3669.8	3704.5	3677.7	3654.5	3591.8	3470.2	3263.3	3153.3	3109.0	3070.6
45°	3854.0	3879.8	3863.0	3871.4	3844.6	3726.6	3489.2	3363.3	3317.5	3270.7
47.5°	3928.3	3955.7	3982.5	4032.5	4078.3	3991.5	3731.9	3590.8	3542.4	3494.4
50°	3919.9	3947.8	4025.7	4132.0	4274.2	4245.2	3987.8	3833.0	3788.2	3733.5
52.5°	3852.5	3884.1	3984.1	4161.0	4387.4	4435.3	4248.4	4083.1	4041.0	3975.7
55°	3675.6	3694.5	3844.6	4095.2	4414.3	4568.0	4503.8	4349.5	4307.4	4216.3
57.5°	3347.5	3374.9	3593.4	3917.8	4346.9	4658.0	4728.1	4629.6	4589.1	4458.0
60°	2919.5	2963.2	3213.3	3619.8	4175.2	4657.5	4931.8	4905.0	4871.3	4695.9
62.5°	2435.1	2485.7	2726.3	3198.5	3875.1	4525.3	5059.2	5135.6	5118.2	4915.5
65°	1870.2	1904.9	2144.5	2653.6	3408.1	4241.6	5074.0	5293.0	5296.2	5082.4
67.5°	1245.2	1345.2	1553.2	1991.3	2782.6	3777.7	4944.4	5318.8	5349.3	5139.8
70°	607.6	739.2	943.0	1294.2	1991.3	3066.4	4605.9	5107.1	5175.1	4972.4
72.5°	252.2	294.8	405.9	638.7	1143.1	2069.2	3925.7	4533.2	4659.1	4405.8
75°	170.1	184.3	232.2	327.5	520.7	1020.4	2831.0	3380.2	3582.9	3327.5
77.5°	131.1	140.1	169.0	229.0	309.6	385.9	1515.3	2037.1	2141.8	1982.8
80°	103.2	110.0	126.4	166.9	219.6	206.4	516.5	923.0	983.5	825.0
82.5°	89.5	92.1	90.6	113.2	145.8	120.6	169.5	340.7	375.9	272.7
85°	64.8	72.1	75.3	70.0	77.4	61.1	69.5	120.6	132.7	118.5
87.5°	26.3	39.0	47.9	45.3	28.4	17.4	21.6	35.3	40.5	44.2
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°
1111.5	0°	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5	1111.5
1112.0	2.5°	1112.5	1116.2	1118.8	1122.0	1124.1	1127.3	1133.6	1137.3	1137.8	1140.4
1120.4	5°	1122.5	1127.8	1133.6	1142.0	1151.5	1159.4	1171.5	1179.9	1183.1	1185.7
1140.9	7.5°	1144.1	1151.5	1162.0	1176.7	1190.4	1201.0	1215.7	1225.7	1235.7	1239.4
1173.6	10°	1176.2	1186.8	1202.0	1222.0	1236.8	1250.5	1265.7	1274.2	1284.2	1288.4
1212.6	12.5°	1216.2	1227.3	1247.3	1275.2	1288.9	1298.4	1303.6	1301.5	1303.6	1307.3
1259.4	15°	1262.0	1274.2	1296.8	1326.8	1336.3	1327.9	1316.3	1305.7	1304.2	1305.2
1316.3	17.5°	1316.3	1325.2	1351.5	1376.8	1370.0	1335.2	1310.0	1293.1	1284.7	1282.1
1388.9	20°	1392.1	1392.1	1413.7	1429.5	1383.7	1324.7	1285.2	1257.8	1240.5	1233.1
1487.9	22.5°	1484.2	1475.8	1489.5	1478.4	1381.0	1295.2	1240.5	1193.1	1166.7	1156.2
1626.4	25°	1601.1	1591.1	1587.4	1519.0	1362.1	1248.4	1159.4	1102.0	1078.8	1073.0
1825.9	27.5°	1777.5	1752.2	1704.3	1541.1	1327.3	1174.6	1064.6	1011.4	998.3	998.8
2082.3	30°	2012.3	1961.8	1844.4	1544.8	1270.5	1070.4	967.7	929.8	923.5	926.1
2297.7	32.5°	2229.8	2181.9	1987.6	1527.9	1183.1	968.3	880.9	855.6	846.1	849.3
2462.0	35°	2400.4	2387.2	2120.3	1504.2	1075.7	872.4	802.9	781.3	762.9	758.7
2616.8	37.5°	2561.5	2556.2	2219.8	1471.1	969.3	804.5	740.3	711.8	685.0	670.2
2787.9	40°	2738.4	2733.1	2285.1	1420.0	875.1	745.5	683.9	646.6	613.4	586.5
2981.6	42.5°	2937.4	2906.3	2316.1	1346.8	795.0	695.5	638.1	587.6	543.9	519.1
3200.7	45°	3154.8	3084.8	2315.6	1253.6	727.6	649.7	589.2	517.6	477.0	453.9
3425.5	47.5°	3385.5	3255.4	2287.2	1150.4	662.3	599.2	513.3	458.6	431.7	417.5
3669.8	50°	3623.4	3414.9	2238.7	1032.0	595.5	541.8	466.0	428.6	408.0	394.9
3912.0	52.5°	3847.2	3559.7	2180.3	897.7	527.6	486.0	444.9	415.9	394.4	379.6
4146.8	55°	4055.2	3684.5	2097.6	760.3	472.3	448.6	434.9	410.7	385.9	368.6
4385.3	57.5°	4240.0	3765.6	1954.9	631.3	432.8	422.8	424.4	401.7	373.3	358.6
4620.1	60°	4393.7	3825.1	1743.8	511.8	400.7	397.5	408.0	384.9	351.7	334.9
4818.6	62.5°	4485.9	3824.0	1484.8	419.1	373.3	374.3	386.5	363.8	330.1	314.3
4922.3	65°	4478.0	3730.3	1200.4	358.6	347.0	348.0	363.8	340.7	312.2	302.7
4870.2	67.5°	4319.5	3501.8	920.9	319.1	318.0	322.8	341.2	324.9	301.2	300.1
4559.6	70°	3890.4	3027.4	663.4	287.5	288.0	294.8	319.1	314.9	295.4	297.5
3833.5	72.5°	3119.6	2308.2	445.4	254.3	254.8	265.9	298.0	307.0	289.6	317.5
2719.9	75°	2077.6	1439.5	286.4	219.0	219.6	233.8	279.6	291.7	273.8	316.4
1415.3	77.5°	998.3	647.1	207.4	184.3	184.3	197.4	241.7	261.1	233.2	245.9
454.9	80°	344.9	243.2	163.2	148.5	145.3	154.3	203.8	226.4	201.1	185.3
148.5	82.5°	135.8	126.4	131.1	115.3	104.8	110.6	158.5	186.9	147.9	133.7
83.7	85°	77.9	82.1	92.7	76.3	60.5	67.9	116.4	134.3	111.6	98.5
27.4	87.5°	21.1	29.0	42.6	39.5	27.4	29.0	55.3	74.2	64.2	49.5
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°
1111.5
1139.9
1185.2
1239.9
1290.5
1308.4
1308.9
1285.7
1231.5
1154.6
1074.1
1000.4
935.1
853.5
761.9
670.8
589.2
520.7
452.8
414.4
390.1
373.3
361.7
349.1
327.5
309.6
302.2
301.7
297.0
321.7
319.1
225.3
173.7
133.2
100.6
51.1
0.0

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