

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: P846046

Luminaire Tested: **GLAN-SB1C-727-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-727-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6601 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

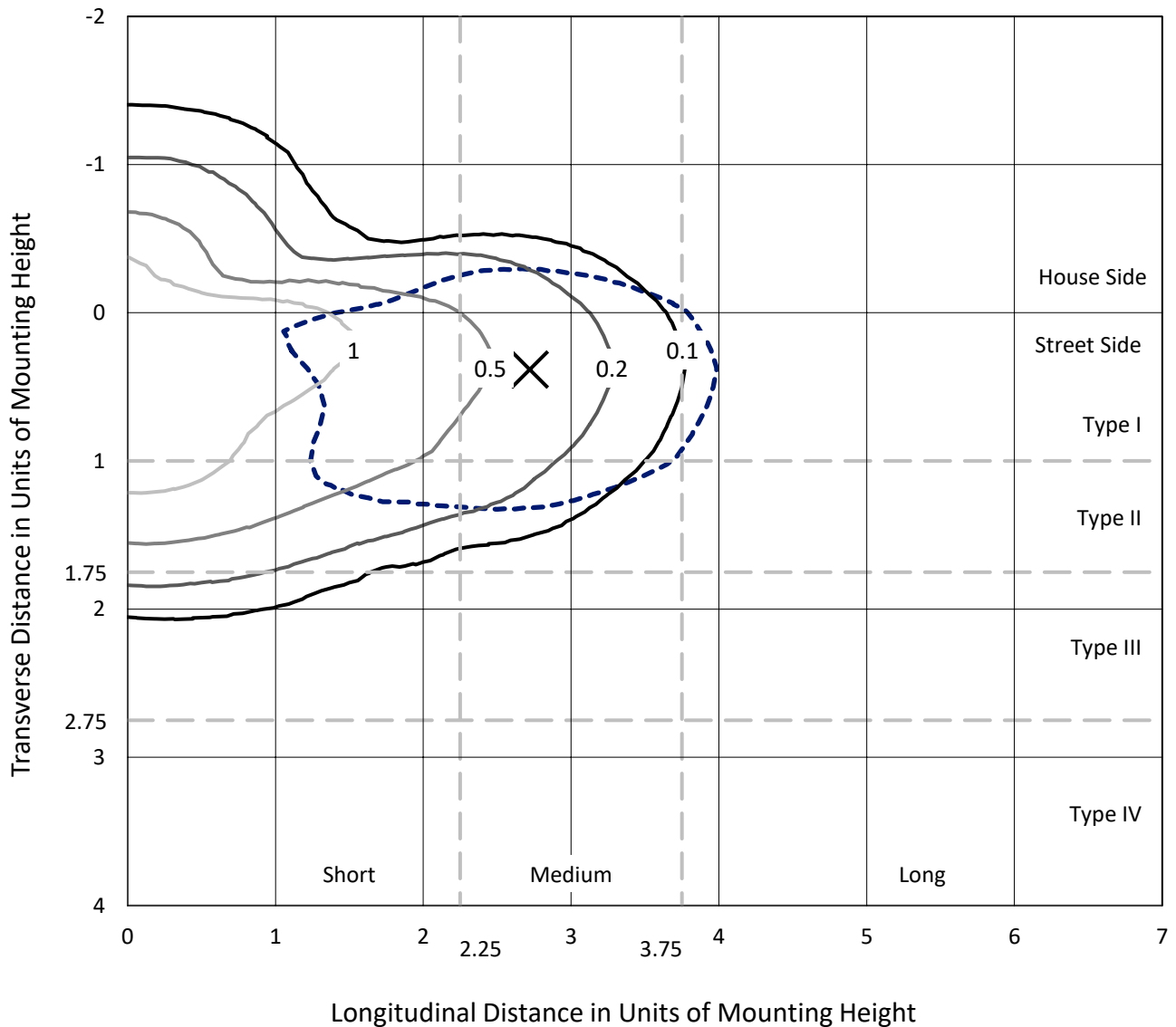
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

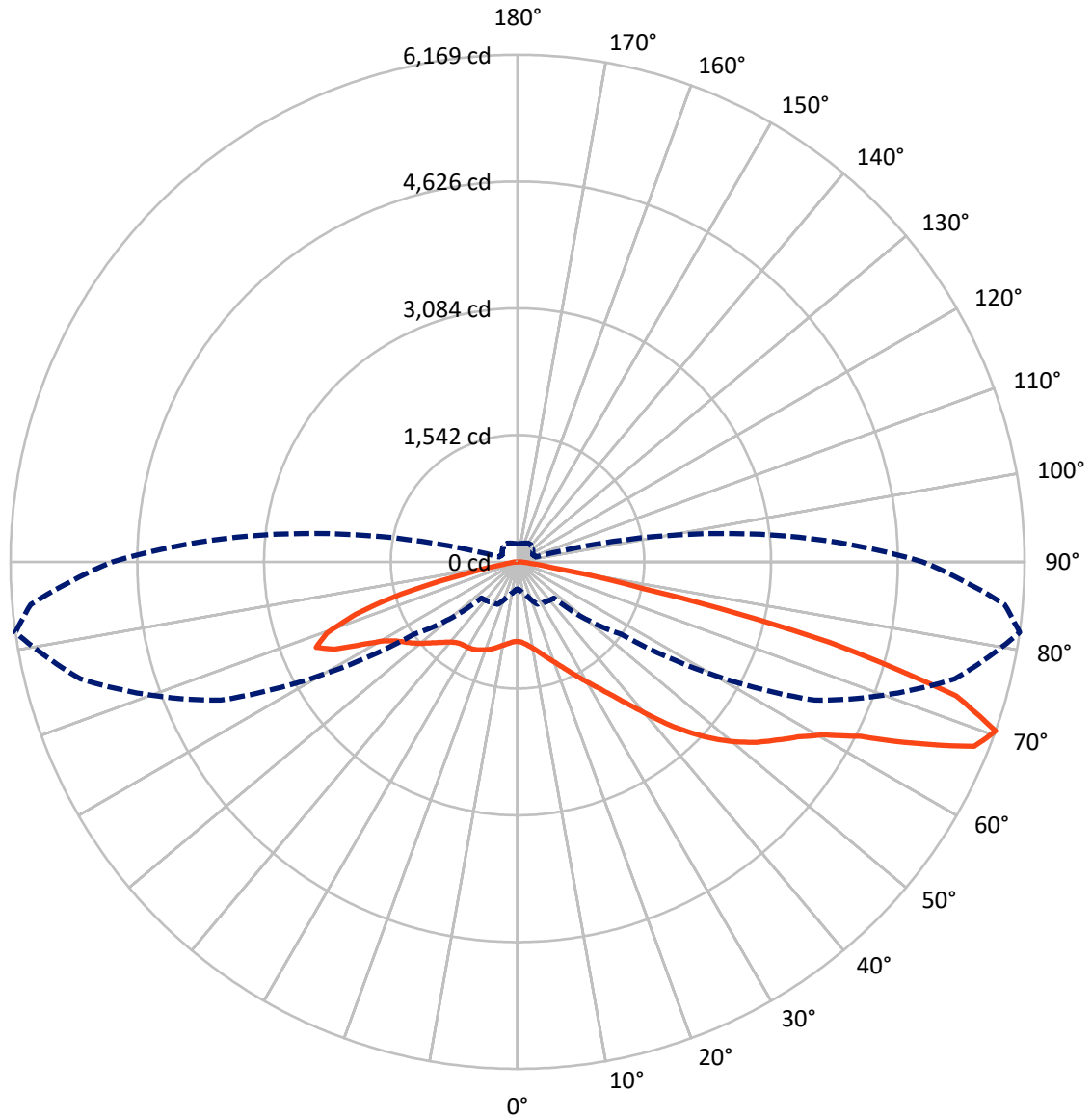
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1627.3	0.0	1627.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	4973.7	0.0	4973.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	6601.0	0.0	6601.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.4	1.4
10°-20°	262.5	4.0
20°-30°	439.2	6.7
30°-40°	686.1	10.4
40°-50°	1092.7	16.6
50°-60°	1520.7	23.0
60°-70°	1590.7	24.1
70°-80°	831.4	12.6
80°-90°	86.3	1.3
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°	6601.0	100.0
0°-180°	6601.0	100.0

**Coefficient of Utilization**

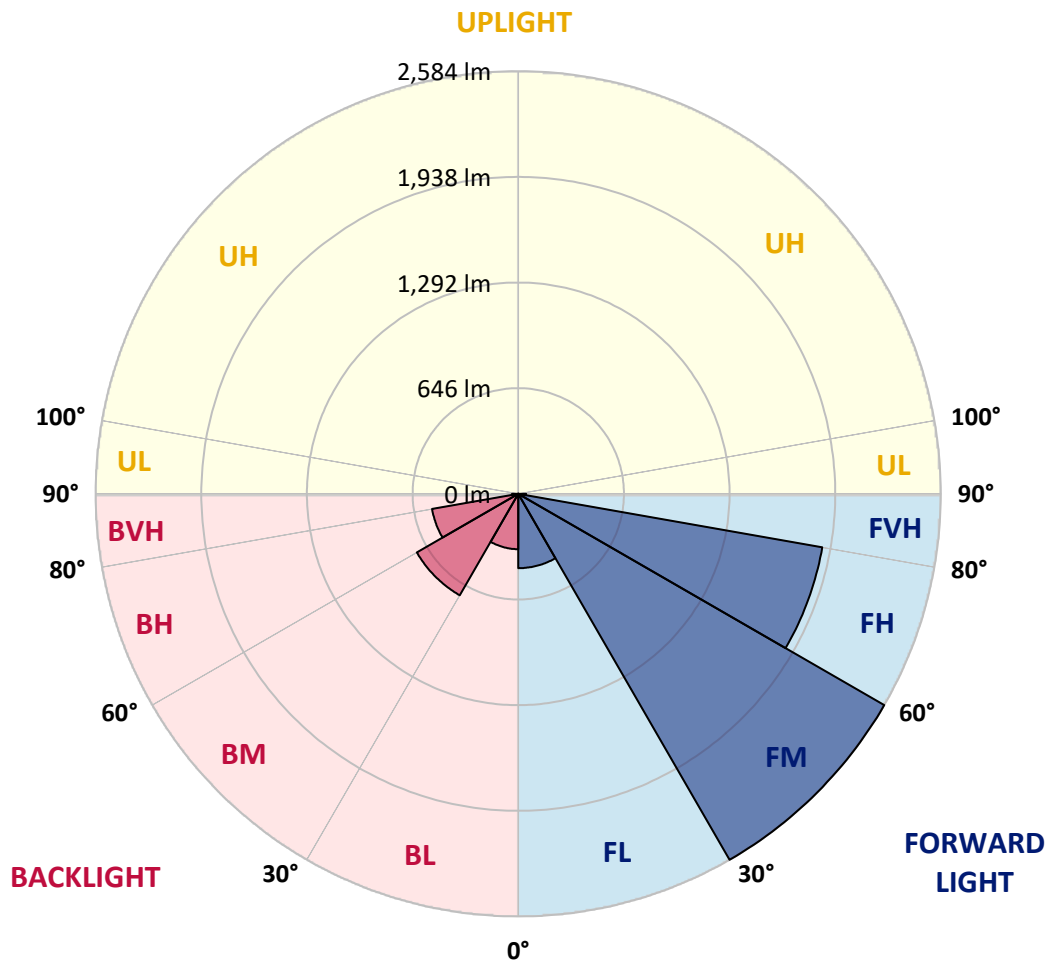


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.6	6.9			
FM (30°-60°)	2583.6	39.1			
FH (60°-80°)	1887.2	28.6			G2/5000
FVH (80°-90°)	48.3	0.7			G1/100
BL (0°-30°)	338.5	5.1	B1/500		
BM (30°-60°)	715.9	10.8	B1/1000		
BH (60°-80°)	534.8	8.1	B2/1000		G2/1000
BVH (80°-90°)	38.0	0.6			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	990.9	996.5	994.8	993.0	993.0	990.6	990.2	986.7	983.9	979.3
5°	1003.5	1009.5	1008.8	1010.2	1014.7	1015.8	1016.8	1014.7	1009.1	1003.5
7.5°	992.3	999.0	1001.1	1009.5	1023.5	1036.1	1045.5	1049.4	1044.1	1036.1
10°	954.5	961.8	969.2	989.2	1014.0	1043.8	1069.0	1084.1	1083.0	1075.3
12.5°	877.8	885.5	901.2	940.1	985.7	1038.2	1085.1	1116.7	1127.5	1121.9
15°	816.5	823.1	835.0	875.0	934.2	1014.0	1091.1	1152.4	1180.1	1176.9
17.5°	814.7	817.5	824.9	843.8	889.3	976.2	1084.8	1187.4	1240.3	1239.9
20°	845.5	846.6	850.8	854.7	880.6	947.5	1068.7	1216.5	1307.9	1307.9
22.5°	888.3	887.6	891.8	888.3	900.9	945.0	1058.5	1242.0	1383.2	1388.8
25°	952.4	948.9	947.8	939.8	942.2	967.8	1069.7	1271.1	1472.5	1484.1
27.5°	1037.8	1032.2	1028.4	1009.8	1003.5	1014.7	1104.0	1306.1	1572.0	1592.0
30°	1149.2	1139.1	1133.5	1101.2	1078.5	1080.2	1155.9	1352.7	1676.0	1708.3
32.5°	1301.2	1285.5	1270.4	1217.5	1175.8	1162.2	1222.8	1417.2	1788.8	1840.3
35°	1471.5	1458.9	1442.8	1361.1	1297.0	1265.5	1313.2	1507.2	1920.9	2002.5
37.5°	1635.4	1624.5	1632.2	1522.3	1439.6	1393.7	1431.5	1628.0	2083.7	2204.2
40°	1804.9	1796.5	1797.6	1692.5	1596.2	1544.7	1575.2	1779.7	2270.4	2444.2
42.5°	1989.2	1982.9	1961.8	1868.7	1760.4	1712.5	1740.5	1954.8	2470.8	2717.4
45°	2195.5	2191.6	2172.0	2065.2	1941.2	1887.2	1925.1	2148.2	2672.2	2974.5
47.5°	2373.8	2376.9	2374.5	2284.4	2155.9	2076.7	2121.9	2349.9	2859.6	3216.2
50°	2459.6	2476.0	2500.2	2472.2	2392.3	2311.8	2320.5	2544.7	3038.2	3442.8
52.5°	2414.7	2445.9	2511.8	2556.6	2587.4	2570.6	2547.1	2738.0	3206.3	3647.3
55°	2247.7	2291.5	2400.7	2509.0	2666.2	2788.5	2819.3	2952.4	3370.3	3827.4
57.5°	1943.3	2014.4	2112.5	2331.4	2596.2	2893.9	3136.6	3249.8	3544.0	4019.7
60°	1421.4	1516.7	1638.6	1964.3	2351.0	2837.5	3406.7	3706.5	3790.9	4268.7
62.5°	909.6	968.5	1080.6	1387.4	1831.9	2548.5	3489.4	4277.5	4209.5	4677.1
65°	622.8	660.6	763.2	935.6	1184.3	1897.0	3268.0	4705.5	4874.3	5324.4
67.5°	452.5	481.3	568.8	719.8	771.6	1122.6	2535.9	4685.9	5520.6	5991.3
70°	330.0	350.3	423.8	568.8	593.7	624.5	1536.3	3983.2	5506.6	6168.6
72.5°	244.5	258.5	307.9	441.3	480.6	421.7	760.4	2895.0	4731.8	5579.4
75°	176.9	187.4	223.8	337.7	384.6	321.2	379.3	1691.8	3300.6	3924.7
77.5°	135.2	143.3	167.1	247.3	307.9	241.0	235.4	778.3	1565.0	1572.7
80°	108.6	113.8	126.8	174.1	236.1	180.4	153.4	314.2	494.6	418.6
82.5°	79.9	88.6	107.2	122.2	168.8	124.3	93.5	158.7	188.1	161.8
85°	45.5	51.5	64.8	87.6	107.9	76.0	53.6	70.4	87.6	71.8
87.5°	16.1	21.0	22.8	34.3	46.9	31.5	20.7	20.3	28.7	21.4
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°
967.8	0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
978.3	2.5°	974.8	973.0	966.0	956.6	946.8	937.3	934.2	927.5	923.0	920.5
1001.1	5°	994.4	988.8	972.3	951.3	929.3	905.4	888.6	873.2	862.0	851.5
1032.2	7.5°	1022.4	1012.6	984.3	947.5	908.2	868.7	839.2	816.8	801.8	792.0
1068.7	10°	1055.0	1039.9	996.5	941.5	880.9	824.2	789.5	770.2	760.8	755.5
1110.3	12.5°	1092.5	1071.1	1009.1	927.9	839.2	774.4	750.6	745.0	745.4	745.7
1162.9	15°	1138.7	1108.9	1019.3	898.1	784.9	736.3	732.1	741.2	750.6	755.2
1222.4	17.5°	1190.9	1148.9	1021.0	849.0	731.7	711.7	725.1	744.7	759.0	765.3
1289.0	20°	1247.0	1189.5	1008.4	779.7	687.9	691.8	715.6	740.8	756.6	764.6
1365.0	22.5°	1311.1	1232.9	978.3	706.8	652.2	670.1	698.1	722.6	739.1	747.1
1454.3	25°	1384.3	1281.6	931.0	645.5	621.4	645.5	673.6	693.9	707.2	714.5
1554.1	27.5°	1465.5	1332.4	868.0	596.9	594.4	620.3	643.4	659.2	666.2	671.8
1660.3	30°	1547.1	1378.7	791.6	560.1	570.9	595.5	611.9	618.9	621.0	622.1
1778.7	32.5°	1635.4	1418.6	711.4	529.6	548.5	571.3	581.1	584.2	574.4	567.8
1922.3	35°	1742.2	1461.3	632.9	505.4	526.5	546.1	549.2	546.4	534.9	521.2
2102.3	37.5°	1874.3	1514.6	570.2	488.3	505.8	518.7	514.9	514.2	515.2	499.1
2318.8	40°	2036.1	1583.9	524.4	475.0	489.0	491.8	480.9	486.9	492.1	467.6
2556.3	42.5°	2215.8	1667.6	495.3	465.9	475.0	468.3	451.5	458.1	457.4	425.2
2794.8	45°	2399.0	1758.7	485.1	459.2	462.0	448.7	430.1	431.9	417.2	388.1
3023.5	47.5°	2581.1	1856.4	491.4	453.6	445.9	430.8	416.5	408.8	387.0	365.3
3242.8	50°	2759.8	1959.0	514.5	442.4	423.8	415.1	404.6	390.9	367.8	349.2
3450.1	52.5°	2925.4	2062.4	540.5	423.8	396.2	401.4	394.8	379.0	356.2	337.3
3646.3	55°	3082.4	2165.7	550.6	398.3	370.2	389.5	385.6	356.6	329.3	313.8
3851.5	57.5°	3253.3	2290.0	539.4	365.7	349.2	375.8	361.1	328.9	313.1	301.6
4118.8	60°	3490.1	2485.1	515.2	325.4	329.3	355.5	330.3	317.0	299.8	286.9
4519.5	62.5°	3883.4	2849.1	476.4	285.5	305.8	325.4	315.6	302.3	284.8	272.2
5204.6	65°	4464.9	3354.9	403.2	254.3	279.5	296.0	299.8	286.5	268.3	255.0
5805.0	67.5°	4955.2	3672.2	305.1	228.4	252.5	272.2	283.0	270.1	250.8	237.8
5945.4	70°	4928.3	3441.7	232.9	202.8	228.7	248.7	262.7	252.5	231.9	219.6
5400.4	72.5°	4377.3	2879.2	188.4	176.9	204.6	224.2	241.0	233.3	212.3	200.4
3956.3	75°	3215.8	2043.8	150.6	150.6	174.4	198.6	217.2	212.3	193.0	184.6
1661.0	77.5°	1355.5	857.5	118.0	125.0	145.0	170.6	193.7	195.4	178.6	189.1
439.2	80°	360.4	236.4	90.0	98.4	113.8	140.8	168.5	167.8	149.6	139.8
163.2	82.5°	137.3	93.2	64.1	69.4	82.3	107.9	133.5	137.7	119.4	103.3
64.1	85°	52.9	39.9	39.6	41.7	48.0	71.5	100.9	104.4	90.0	76.4
17.9	87.5°	13.7	11.9	14.7	14.0	22.1	38.2	57.8	59.9	55.0	31.9
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



<u>180°</u>
967.8
923.3
855.7
794.1
756.9
746.4
754.8
766.7
766.7
749.2
716.6
673.9
624.5
569.9
521.9
500.2
468.3
424.9
389.1
365.3
347.8
337.7
312.4
300.5
286.2
272.2
255.7
238.2
220.7
200.4
182.1
171.6
129.9
103.3
78.8
45.5
0.0

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