

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: P848418

Luminaire Tested: **GLAN-SB5A-722-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848418  
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-SB5A-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17731 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

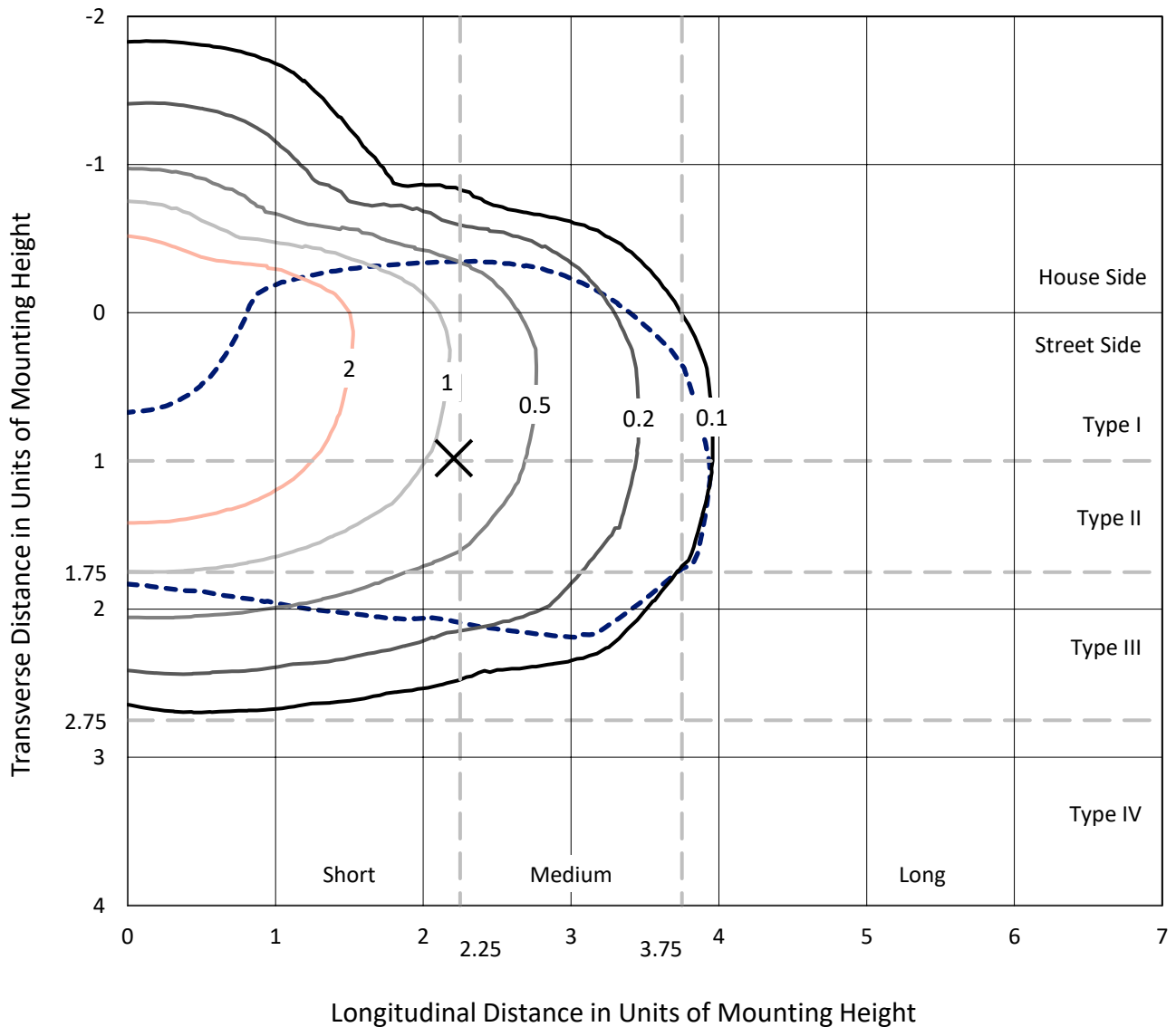
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

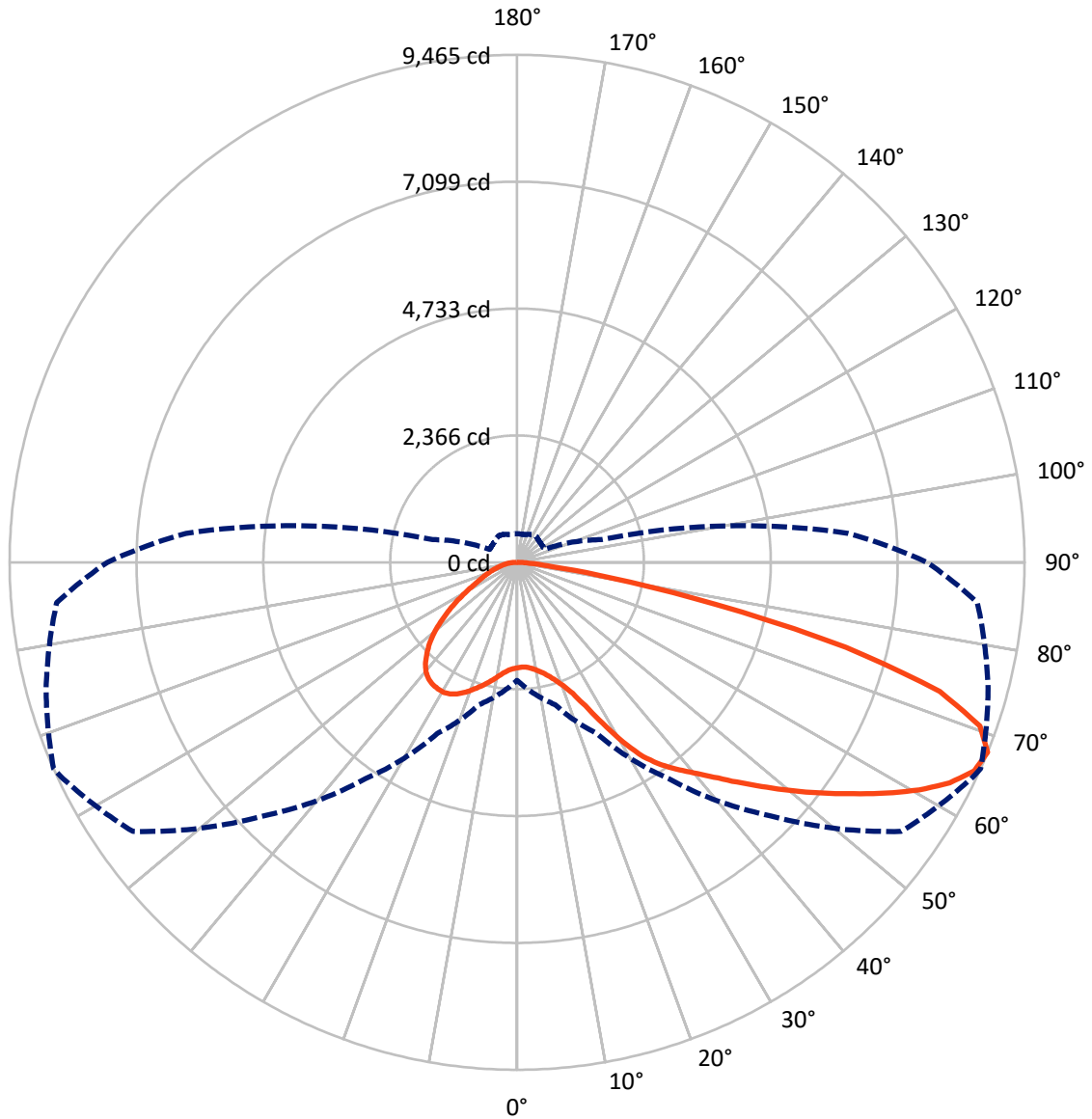
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	4408.8	0.0	4408.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	13322.2	0.0	13322.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	17731.0	0.0	17731.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.0	1.1
10°-20°	644.2	3.6
20°-30°	1241.6	7.0
30°-40°	2177.1	12.3
40°-50°	3236.6	18.3
50°-60°	4102.7	23.1
60°-70°	4014.4	22.6
70°-80°	1914.9	10.8
80°-90°	204.7	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°	17731.0	100.0
0°-180°	17731.0	100.0

**Coefficient of Utilization**



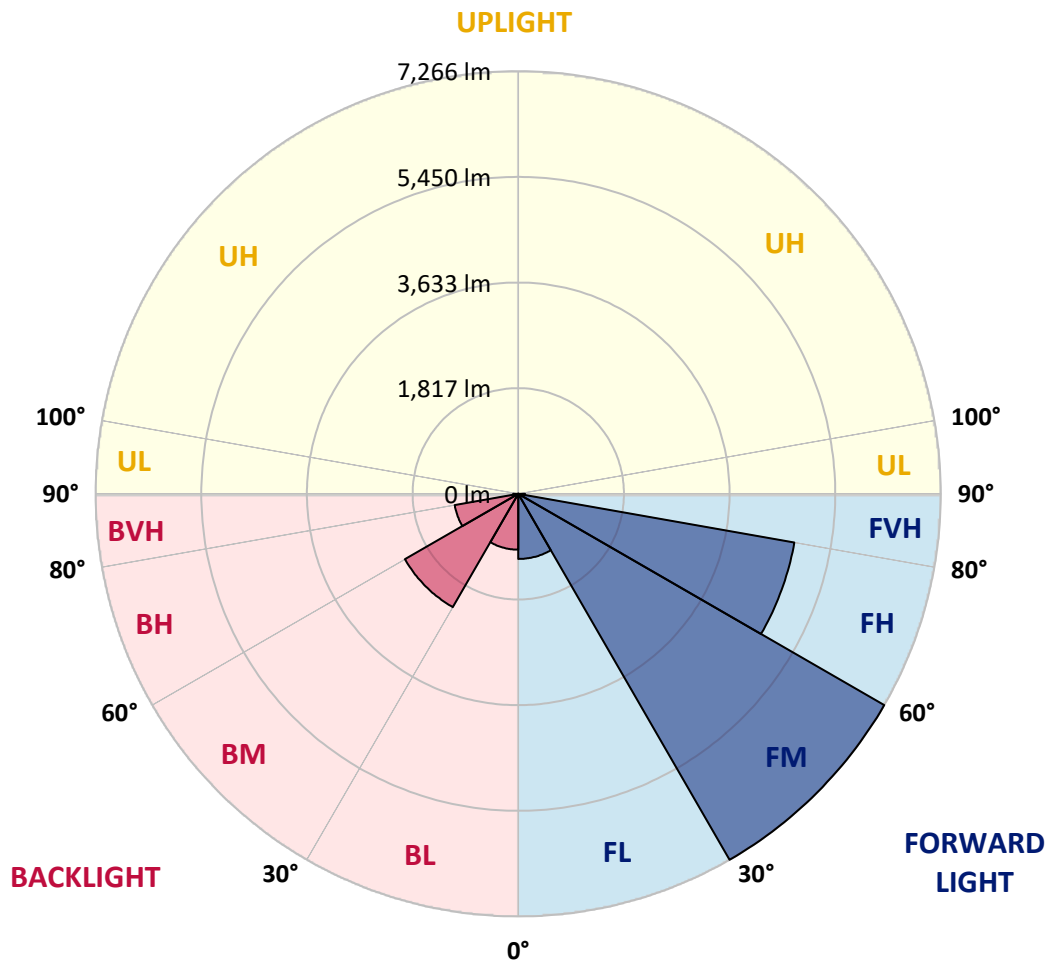
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1120.4	6.3			
FM (30°-60°)	7266.0	41.0			
FH (60°-80°)	4819.8	27.2			G2/5000
FVH (80°-90°)	116.0	0.7			G2/225
BL (0°-30°)	960.4	5.4	B2/1000		
BM (30°-60°)	2250.3	12.7	B2/2500		
BH (60°-80°)	1109.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	88.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1946.1	1957.3	1954.5	1949.8	1948.9	1950.8	1953.6	1956.4	1955.4	1960.1
5°	1940.5	1951.7	1950.8	1950.8	1954.5	1961.9	1966.6	1971.3	1966.6	1972.2
7.5°	1944.2	1952.6	1956.4	1960.1	1969.4	1983.4	1994.6	2004.8	1999.2	2005.7
10°	1991.8	1998.3	2002.0	2002.0	2008.5	2024.4	2035.5	2054.2	2049.5	2059.8
12.5°	2078.4	2084.9	2084.9	2081.2	2085.8	2096.1	2099.8	2120.3	2111.9	2128.7
15°	2184.6	2197.6	2187.4	2180.9	2182.7	2193.0	2192.0	2207.9	2199.5	2213.5
17.5°	2302.0	2318.7	2302.0	2301.0	2297.3	2308.5	2309.4	2323.4	2308.5	2318.7
20°	2440.8	2464.1	2450.1	2454.8	2446.4	2451.0	2455.7	2476.2	2452.9	2460.3
22.5°	2636.4	2664.4	2649.5	2667.2	2661.6	2657.8	2656.9	2693.2	2656.9	2659.7
25°	2921.5	2955.0	2928.9	2953.2	2953.2	2965.3	2979.2	3025.8	2965.3	2947.6
27.5°	3342.6	3376.1	3324.9	3339.8	3335.1	3364.9	3350.0	3465.5	3400.3	3371.5
30°	3849.4	3909.0	3812.1	3808.4	3803.7	3851.2	3872.7	3949.0	3882.9	3854.0
32.5°	4397.1	4459.6	4344.0	4310.5	4292.8	4321.7	4304.0	4365.5	4319.8	4275.1
35°	4976.6	5038.1	4928.2	4862.9	4792.1	4731.6	4668.2	4684.1	4641.2	4573.2
37.5°	5524.4	5637.1	5520.6	5450.8	5320.4	5202.0	5025.0	4951.4	4911.4	4849.0
40°	6082.4	6146.7	6058.2	5998.6	5857.0	5671.6	5388.4	5232.8	5178.8	5118.2
42.5°	6493.2	6554.7	6507.2	6466.2	6355.4	6140.2	5774.0	5579.3	5501.1	5433.1
45°	6819.3	6864.9	6835.1	6850.0	6802.5	6593.8	6173.7	5951.0	5870.0	5787.1
47.5°	6950.6	6999.1	7046.6	7135.1	7216.2	7062.4	6603.2	6353.5	6267.8	6183.0
50°	6935.7	6985.1	7123.0	7311.2	7562.7	7511.5	7055.9	6782.0	6702.8	6606.0
52.5°	6816.5	6872.4	7049.4	7362.4	7763.0	7847.8	7517.1	7224.5	7150.0	7034.5
55°	6503.5	6537.0	6802.5	7246.0	7810.5	8082.5	7968.9	7695.9	7621.4	7460.2
57.5°	5923.1	5971.5	6358.2	6932.0	7691.3	8241.8	8365.7	8191.5	8119.8	7887.8
60°	5165.7	5243.0	5685.5	6404.7	7387.6	8240.9	8726.3	8678.8	8619.1	8308.9
62.5°	4308.6	4398.1	4823.8	5659.5	6856.6	8007.1	8951.7	9086.8	9056.1	8697.4
65°	3309.0	3370.5	3794.4	4695.3	6030.2	7504.9	8977.8	9365.3	9370.9	8992.7
67.5°	2203.2	2380.2	2748.2	3523.3	4923.5	6684.2	8748.6	9411.0	9465.0	9094.3
70°	1075.1	1308.0	1668.5	2289.9	3523.3	5425.6	8149.6	9036.5	9156.7	8798.0
72.5°	446.2	521.7	718.3	1130.0	2022.5	3661.2	6946.0	8021.1	8243.7	7795.6
75°	300.9	326.1	410.8	579.5	921.3	1805.4	5009.2	5980.9	6339.5	5887.7
77.5°	232.0	247.8	299.0	405.2	547.8	682.9	2681.1	3604.4	3789.7	3508.4
80°	182.6	194.7	223.6	295.3	388.5	365.2	913.9	1633.1	1740.2	1459.8
82.5°	158.4	163.0	160.2	200.3	258.1	213.3	300.0	602.7	665.2	482.6
85°	114.6	127.6	133.2	123.9	136.9	108.1	123.0	213.3	234.8	209.6
87.5°	46.6	68.9	84.8	80.1	50.3	30.7	38.2	62.4	71.7	78.3
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°
1966.6	0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
1967.5	2.5°	1968.5	1975.0	1979.6	1985.2	1989.0	1994.6	2005.7	2012.3	2013.2	2017.8
1982.4	5°	1986.2	1995.5	2005.7	2020.6	2037.4	2051.4	2072.8	2087.7	2093.3	2098.0
2018.8	7.5°	2024.4	2037.4	2056.0	2082.1	2106.3	2125.0	2151.1	2168.8	2186.5	2193.0
2076.5	10°	2081.2	2099.8	2126.8	2162.2	2188.3	2212.5	2239.6	2254.5	2272.2	2279.6
2145.5	12.5°	2152.0	2171.6	2207.0	2256.3	2280.6	2297.3	2306.6	2302.9	2306.6	2313.2
2228.4	15°	2233.0	2254.5	2294.5	2347.6	2364.4	2349.5	2329.0	2310.4	2307.6	2309.4
2329.0	17.5°	2329.0	2344.8	2391.4	2436.1	2424.0	2362.5	2317.8	2288.0	2273.1	2268.4
2457.6	20°	2463.1	2463.1	2501.3	2529.3	2448.2	2343.9	2274.0	2225.6	2194.8	2181.8
2632.7	22.5°	2626.2	2611.3	2635.5	2615.9	2443.6	2291.7	2194.8	2111.0	2064.4	2045.8
2877.7	25°	2833.0	2815.3	2808.8	2687.7	2410.0	2208.8	2051.4	1949.8	1908.8	1898.6
3230.8	27.5°	3145.1	3100.4	3015.6	2726.8	2348.6	2078.4	1883.7	1789.6	1766.3	1767.2
3684.5	30°	3560.6	3471.1	3263.4	2733.3	2247.9	1893.9	1712.3	1645.2	1634.0	1638.7
4065.5	32.5°	3945.3	3860.5	3516.8	2703.5	2093.3	1713.2	1558.6	1513.8	1497.1	1502.7
4356.1	35°	4247.2	4223.9	3751.5	2661.6	1903.3	1543.7	1420.7	1382.5	1349.9	1342.4
4630.0	37.5°	4532.2	4522.9	3927.6	2602.9	1715.1	1423.5	1309.8	1259.5	1212.0	1185.9
4932.8	40°	4845.2	4835.9	4043.1	2512.5	1548.3	1319.1	1210.1	1144.0	1085.3	1037.8
5275.6	42.5°	5197.4	5142.4	4098.1	2383.0	1406.7	1230.6	1129.1	1039.7	962.3	918.6
5663.2	45°	5582.1	5458.2	4097.2	2218.1	1287.5	1149.6	1042.5	915.8	844.0	803.0
6061.0	47.5°	5990.2	5760.1	4046.9	2035.5	1171.9	1060.2	908.3	811.4	763.9	738.8
6493.2	50°	6411.3	6042.3	3961.2	1825.9	1053.6	958.6	824.5	758.3	722.0	698.7
6921.8	52.5°	6807.2	6298.5	3857.7	1588.4	933.5	859.9	787.2	736.0	697.8	671.7
7337.3	55°	7175.2	6519.3	3711.5	1345.2	835.6	793.7	769.5	726.6	682.9	652.1
7759.3	57.5°	7502.2	6662.8	3459.0	1117.0	765.8	748.1	750.9	710.8	660.5	634.4
8174.8	60°	7774.2	6768.1	3085.5	905.5	708.9	703.4	722.0	681.0	622.3	592.5
8526.0	62.5°	7937.2	6766.2	2627.1	741.6	660.5	662.4	683.8	643.7	584.1	556.2
8709.5	65°	7923.2	6600.4	2124.0	634.4	613.9	615.8	643.7	602.7	552.4	535.7
8617.3	67.5°	7642.8	6196.1	1629.4	564.5	562.7	571.1	603.7	574.8	532.9	531.0
8067.6	70°	6883.6	5356.7	1173.8	508.7	509.6	521.7	564.5	557.1	522.6	526.4
6783.0	72.5°	5519.7	4084.1	788.1	450.0	450.9	470.5	527.3	543.1	512.4	561.8
4812.6	75°	3676.1	2547.0	506.8	387.5	388.5	413.6	494.7	516.1	484.4	559.9
2504.1	77.5°	1766.3	1144.9	367.0	326.1	326.1	349.3	427.6	462.1	412.7	435.1
804.9	80°	610.2	430.4	288.8	262.7	257.1	273.0	360.5	400.6	355.9	327.9
262.7	82.5°	240.4	223.6	232.0	204.0	185.4	195.6	280.4	330.7	261.8	236.6
148.1	85°	137.9	145.3	164.0	135.1	107.1	120.2	205.9	237.6	197.5	174.2
48.4	87.5°	37.3	51.2	75.5	69.9	48.4	51.2	97.8	131.4	113.7	87.6
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°
1966.6
2016.9
2097.0
2193.9
2283.3
2315.0
2316.0
2275.0
2179.0
2043.0
1900.5
1770.0
1654.5
1510.1
1348.0
1186.9
1042.5
921.3
801.2
733.2
690.3
660.5
640.0
617.6
579.5
547.8
534.7
533.8
525.4
569.2
564.5
398.7
307.4
235.7
177.9
90.4
0.0

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