

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: P849605

Luminaire Tested: **GLAN-SB6D-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849605
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-SB6D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA 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: 35237 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

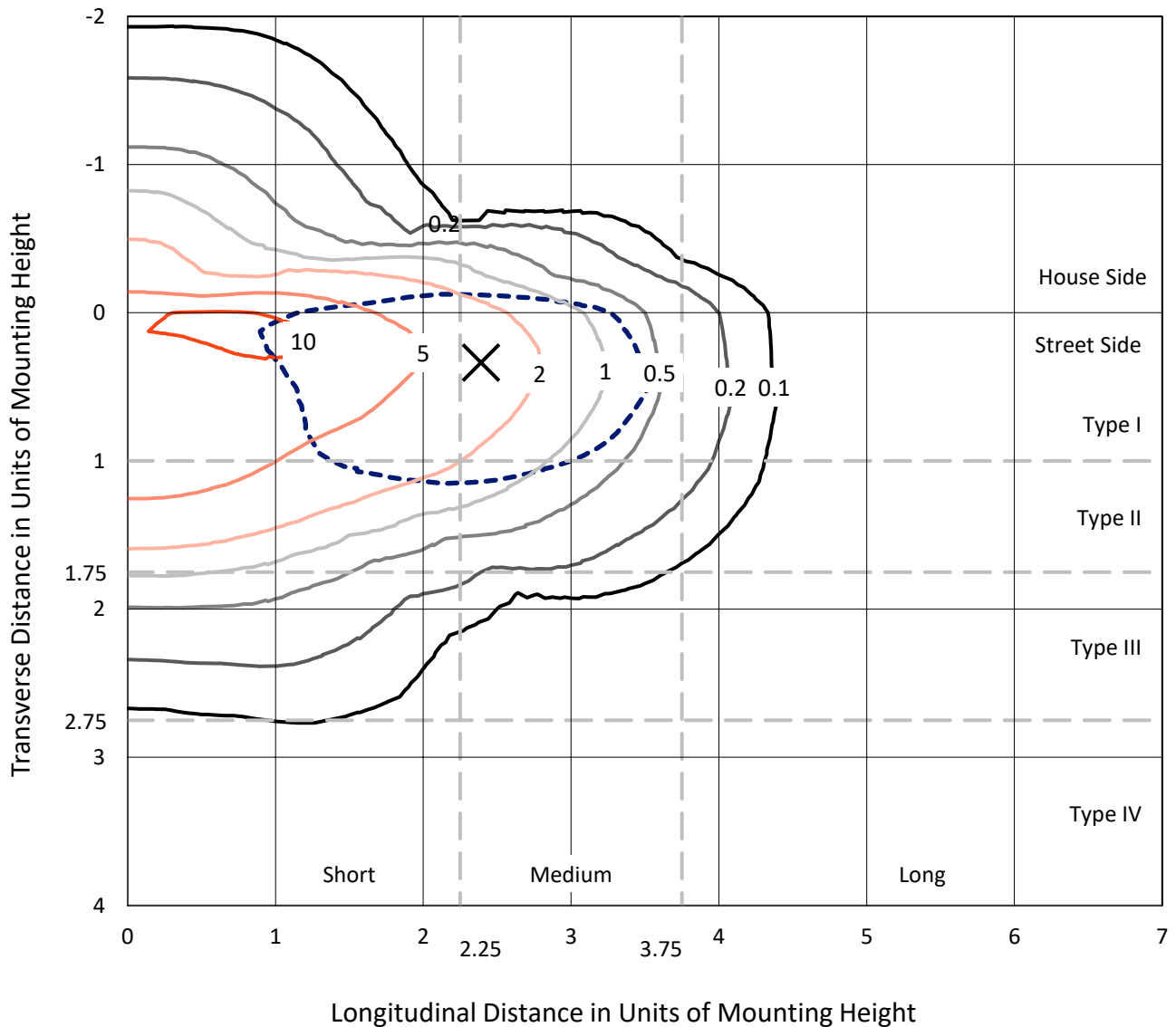
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

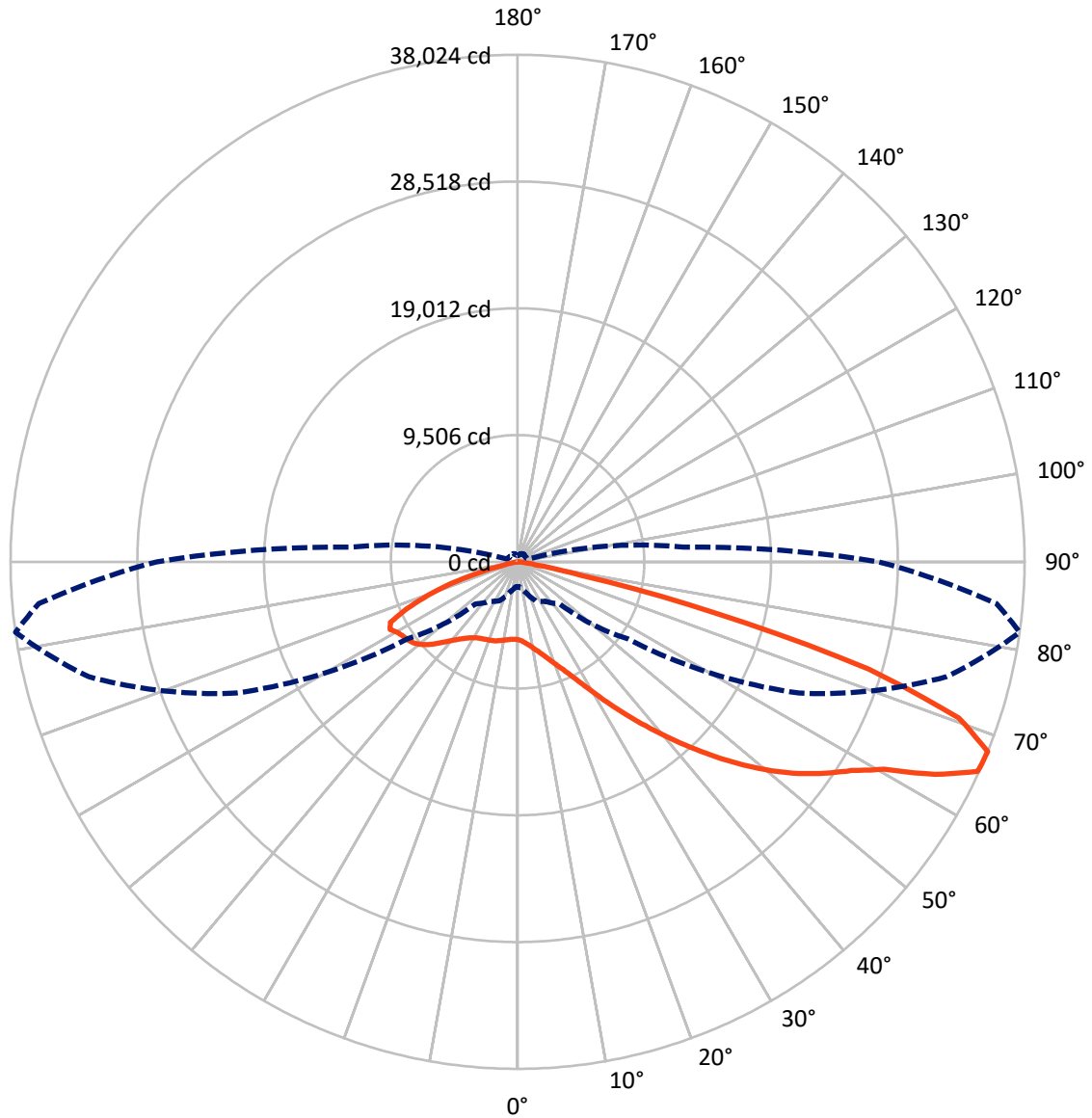
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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	6382.9	0.0	6382.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	28854.1	0.0	28854.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	35237.0	0.0	35237.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.1	1.5
10°-20°	1351.5	3.8
20°-30°	2164.7	6.1
30°-40°	3827.8	10.9
40°-50°	6706.6	19.0
50°-60°	8944.8	25.4
60°-70°	8327.1	23.6
70°-80°	3195.9	9.1
80°-90°	198.5	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°	35237.0	100.0
0°-180°	35237.0	100.0

Coefficient of Utilization

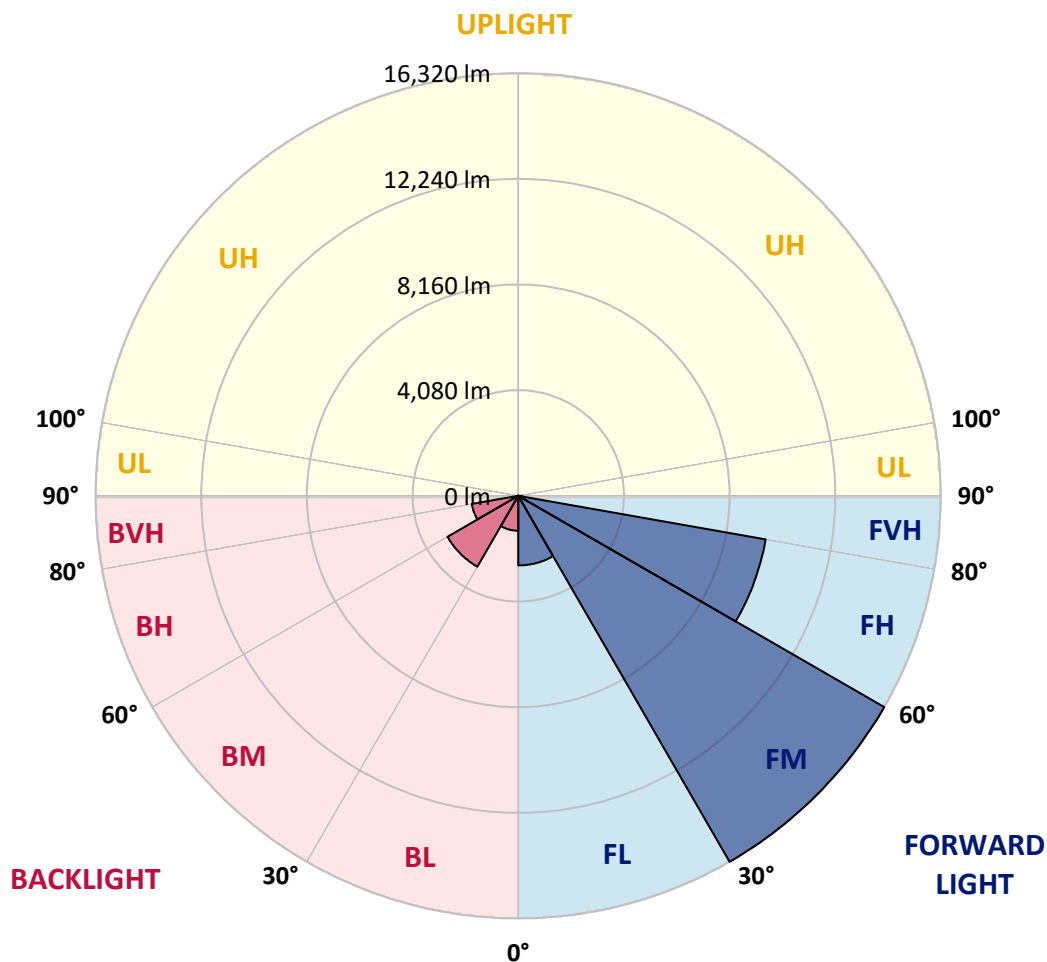


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2688.2	7.6			
FM (30°-60°)	16320.3	46.3			
FH (60°-80°)	9701.3	27.5			G4/12000
FVH (80°-90°)	144.3	0.4			G2/225
BL (0°-30°)	1348.0	3.8	B3/2500		
BM (30°-60°)	3158.9	9.0	B3/5000		
BH (60°-80°)	1821.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	54.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6
2.5°	6169.9	6205.4	6185.1	6175.0	6157.2	6131.9	6111.6	6048.1	5982.2	5939.1
5°	6294.2	6329.8	6327.2	6337.4	6350.0	6357.7	6352.6	6281.5	6187.7	6114.1
7.5°	6187.7	6228.3	6261.3	6312.0	6400.8	6494.7	6540.3	6525.1	6428.7	6327.2
10°	5885.8	5928.9	6007.6	6126.8	6314.5	6517.5	6687.5	6766.1	6705.2	6593.6
12.5°	5332.7	5375.8	5530.6	5789.4	6104.0	6456.6	6781.3	6991.9	7007.1	6895.5
15°	4711.2	4754.3	4919.2	5243.9	5723.4	6289.2	6832.1	7230.4	7364.8	7268.4
17.5°	4325.5	4363.6	4487.9	4749.2	5249.0	5954.3	6814.3	7484.1	7791.0	7714.9
20°	4208.8	4241.8	4300.2	4482.8	4898.9	5606.7	6697.6	7722.6	8250.2	8207.1
22.5°	4333.2	4363.6	4381.4	4462.5	4723.8	5378.4	6550.5	7966.1	8783.0	8788.1
25°	4619.8	4650.3	4630.0	4680.7	4794.9	5307.4	6494.7	8252.8	9452.8	9508.6
27.5°	5091.7	5094.2	5046.0	5043.5	5061.3	5413.9	6553.0	8559.8	10297.6	10401.6
30°	6038.0	5999.9	5814.7	5614.3	5523.0	5733.6	6715.4	8922.5	11294.6	11479.8
32.5°	7496.8	7440.9	7101.0	6621.5	6139.5	6248.6	7007.1	9336.1	12380.4	12715.3
35°	9079.8	9064.6	8709.4	7996.5	7154.3	6981.8	7481.5	9879.0	13565.2	14098.0
37.5°	10551.3	10543.7	10340.7	9501.0	8476.0	8004.2	8242.6	10589.3	14833.7	15604.9
40°	11895.9	11918.7	11715.7	10964.8	9932.3	9315.8	9277.7	11467.1	16244.2	17246.4
42.5°	13057.8	13083.2	12877.7	12322.1	11370.7	10766.9	10548.7	12542.8	17621.8	19009.6
45°	13846.8	14004.1	13973.7	13529.7	12847.2	12220.6	12076.0	13892.5	19192.2	20879.3
47.5°	14070.1	14214.7	14443.0	14503.9	14087.8	13471.3	13643.8	15518.7	20780.4	22751.6
50°	13519.5	13654.0	14128.4	14760.1	15049.3	14859.1	15168.6	17261.6	22406.6	24618.8
52.5°	12433.7	12570.7	13169.4	14169.0	15348.7	15947.4	16698.4	18979.1	23982.0	26387.1
55°	10863.3	11007.9	11776.6	12908.1	14777.9	16396.5	17974.5	20694.1	25425.6	27977.8
57.5°	8727.2	8833.7	9632.9	11216.0	13341.9	15950.0	18915.7	22566.4	26785.4	29540.5
60°	5687.9	5781.8	6710.3	8476.0	10962.3	14458.2	19103.4	24654.3	28591.7	31572.6
62.5°	3782.6	3846.1	4396.6	5693.0	7720.0	11594.0	18004.9	26321.1	31240.3	35109.2
65°	2595.3	2658.7	3209.3	4112.4	4987.7	7669.3	14846.4	26100.4	33640.3	37917.6
67.5°	1852.0	1905.3	2372.1	3224.5	3610.1	4454.9	10064.2	23279.3	33295.3	38024.2
70°	1326.8	1357.3	1742.9	2511.6	2869.3	2676.5	5596.6	17804.5	29152.4	35111.7
72.5°	928.5	938.7	1210.1	1912.9	2311.2	1953.5	2663.8	11870.5	22048.8	27559.2
75°	629.2	641.9	814.4	1402.9	1854.5	1491.7	1410.6	6365.3	12943.6	15254.8
77.5°	385.6	390.7	525.2	959.0	1387.7	1136.6	908.2	2696.8	5008.0	4916.7
80°	218.2	218.2	334.9	596.2	946.3	733.2	636.8	1146.7	1585.6	1392.8
82.5°	121.8	124.3	243.5	370.4	626.6	433.8	350.1	530.2	685.0	606.3
85°	50.7	55.8	149.7	175.1	299.4	215.6	142.1	223.3	253.7	225.8
87.5°	5.1	7.6	45.7	33.0	35.5	43.1	20.3	43.1	35.5	35.5
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°
5837.6	0°	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6	5837.6
5923.8	2.5°	5875.6	5837.6	5741.2	5629.5	5482.4	5411.4	5315.0	5249.0	5193.2	5198.3
6071.0	5°	5989.8	5893.4	5677.7	5408.8	5073.9	4835.5	4581.8	4406.7	4264.7	4234.2
6273.9	7.5°	6147.1	5994.9	5616.9	5132.3	4566.6	4137.8	3754.7	3508.6	3333.6	3277.8
6520.0	10°	6350.0	6129.3	5538.2	4784.7	3970.4	3424.9	3013.9	2821.1	2701.9	2661.3
6809.2	12.5°	6586.0	6284.1	5434.2	4361.1	3356.4	2831.3	2570.0	2473.6	2435.5	2422.8
7164.4	15°	6882.8	6476.9	5276.9	3858.7	2836.3	2468.5	2356.8	2344.2	2349.2	2344.2
7590.6	17.5°	7235.5	6687.5	5020.7	3341.2	2486.2	2283.3	2242.7	2252.8	2265.5	2263.0
8067.6	20°	7621.1	6895.5	4693.4	2882.0	2247.8	2151.4	2128.5	2138.7	2148.8	2143.7
8618.1	22.5°	8060.0	7118.8	4330.6	2524.3	2087.9	2029.6	2004.2	2006.7	2006.7	1996.6
9315.8	25°	8585.1	7364.8	3950.1	2270.6	1966.2	1920.5	1890.0	1879.9	1864.7	1834.2
10163.1	27.5°	9211.8	7626.1	3584.7	2093.0	1869.8	1826.6	1791.1	1765.7	1727.7	1676.9
11180.4	30°	9917.0	7943.3	3275.2	1981.4	1793.6	1750.5	1709.9	1671.9	1616.1	1552.6
12350.0	32.5°	10746.6	8283.2	3049.4	1907.8	1725.1	1679.5	1631.3	1585.6	1524.7	1461.3
13664.1	35°	11736.0	8694.2	2917.5	1857.1	1671.9	1611.0	1557.7	1507.0	1461.3	1405.5
15092.5	37.5°	12809.2	9130.6	2876.9	1831.7	1636.3	1542.5	1481.6	1446.1	1441.0	1408.0
16637.5	40°	13983.8	9648.1	2907.4	1816.5	1598.3	1476.5	1410.6	1402.9	1415.6	1357.3
18289.0	42.5°	15226.9	10262.1	2958.1	1798.7	1545.0	1410.6	1347.1	1347.1	1337.0	1255.8
20034.5	45°	16571.5	10969.9	3008.9	1755.6	1481.6	1344.6	1296.4	1278.6	1235.5	1156.9
21790.1	47.5°	17926.3	11690.4	3046.9	1676.9	1405.5	1288.8	1245.7	1205.1	1141.6	1070.6
23512.7	50°	19212.5	12337.3	3006.3	1560.2	1319.2	1235.5	1189.8	1134.0	1065.5	1017.3
25144.0	52.5°	20361.8	12898.0	2833.8	1423.2	1227.9	1179.7	1139.1	1080.8	1024.9	974.2
26615.4	55°	21361.3	13352.1	2529.4	1293.9	1146.7	1131.5	1090.9	1017.3	941.2	898.1
28074.2	57.5°	22320.3	13697.1	2148.8	1187.3	1073.1	1078.2	1017.3	951.4	880.3	834.7
30040.3	60°	23596.4	14158.9	1763.2	1088.4	994.5	1009.7	943.8	895.6	806.8	748.4
33412.0	62.5°	25636.1	14876.8	1400.4	966.6	903.2	908.2	880.3	822.0	715.4	646.9
35910.9	65°	27254.7	14613.0	1103.6	834.7	799.1	806.8	806.8	743.3	629.2	550.5
36045.3	67.5°	27072.1	12512.4	880.3	705.3	700.2	705.3	723.0	669.8	558.1	494.7
33300.3	70°	24938.5	9952.6	705.3	586.0	608.9	596.2	646.9	611.4	502.3	438.9
25816.3	72.5°	20349.1	7169.5	537.8	484.6	466.8	487.1	583.5	550.5	418.6	347.6
13674.3	75°	11890.8	3825.8	400.8	383.1	337.4	405.9	517.5	469.3	319.7	256.2
4191.1	77.5°	3871.4	1334.4	294.3	281.6	251.2	327.3	441.4	395.8	261.3	203.0
1227.9	80°	1037.6	403.4	200.4	185.2	162.4	243.5	350.1	314.6	187.7	131.9
527.7	82.5°	416.1	170.0	116.7	104.0	88.8	167.4	276.5	253.7	139.5	83.7
164.9	85°	134.5	55.8	43.1	33.0	40.6	104.0	164.9	172.5	98.9	43.1
25.4	87.5°	17.8	7.6	7.6	10.1	7.6	17.8	50.7	48.2	27.9	5.1
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

<u>180°</u>
5837.6
5147.5
4165.7
3222.0
2630.8
2415.2
2341.6
2257.9
2141.2
1991.5
1829.2
1671.9
1547.6
1463.8
1400.4
1405.5
1359.8
1255.8
1154.3
1068.1
1009.7
969.1
893.0
829.6
740.8
641.9
542.9
484.6
431.3
340.0
248.6
195.3
129.4
83.7
33.0
0.0
0.0

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