

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: P853089

Luminaire Tested: **GLAN-SB8C-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53229 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

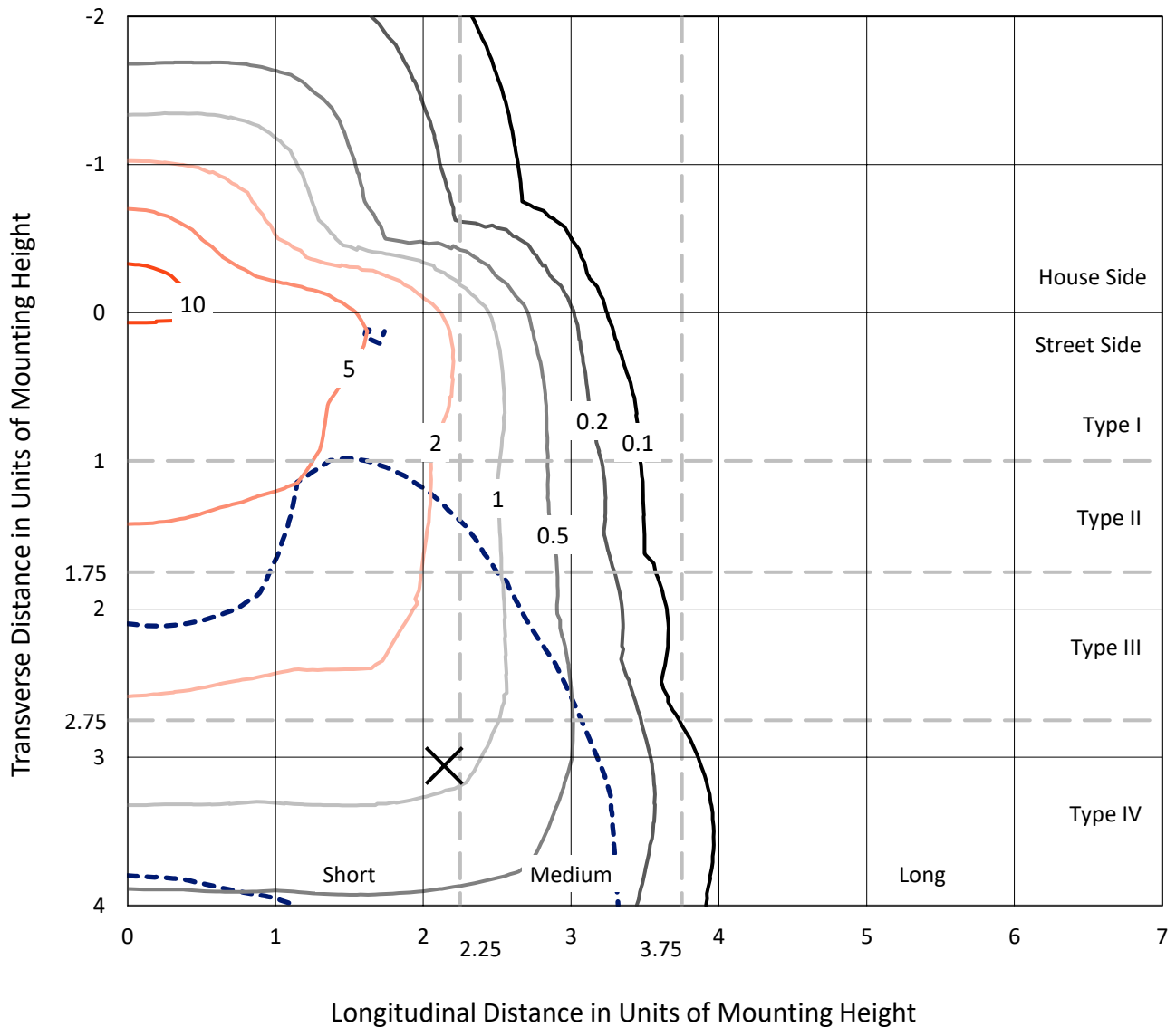
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

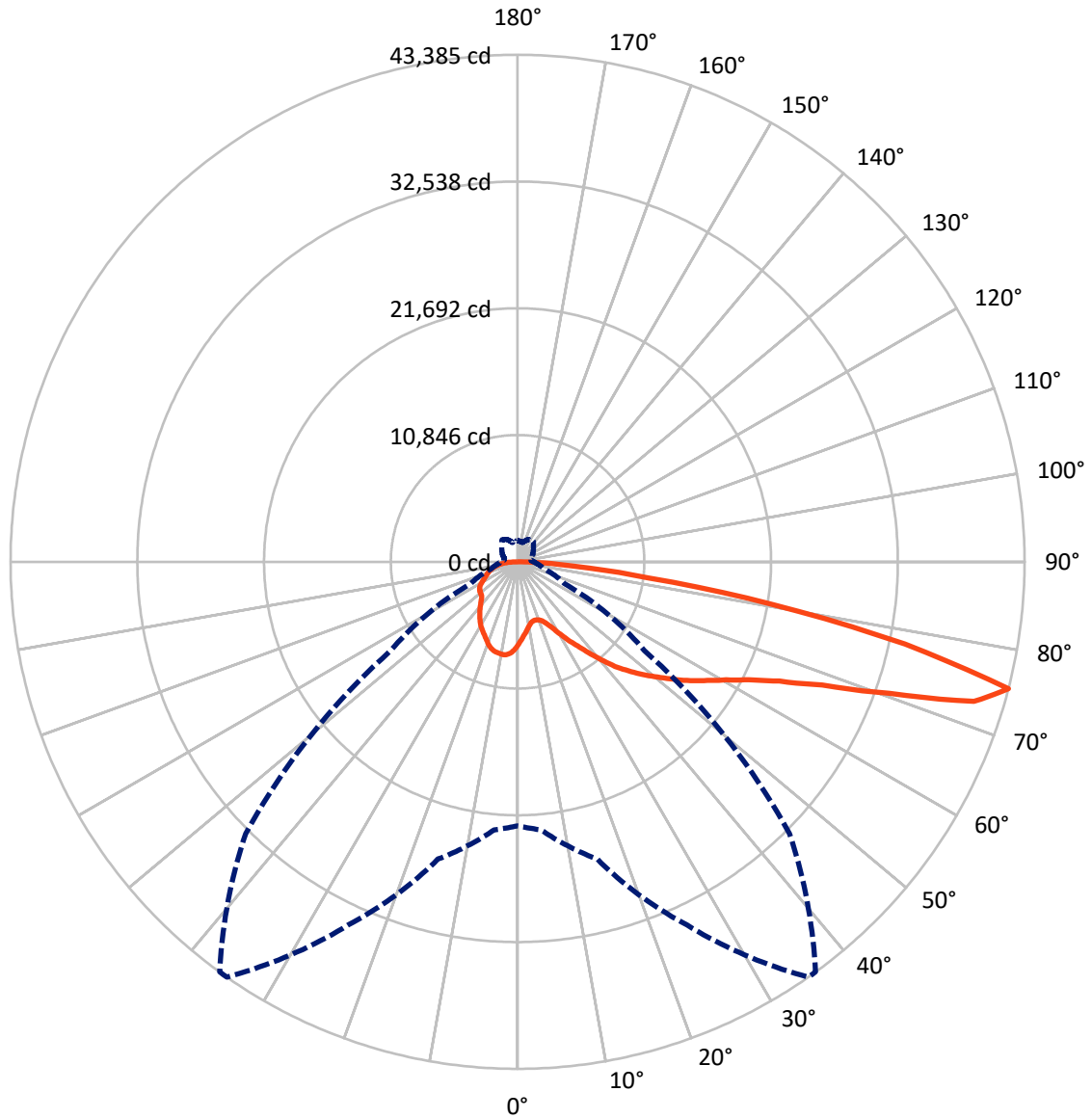
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12667.2	0.0	12667.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	40561.8	0.0	40561.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	53229.0	0.0	53229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.6	1.3
10°-20°	1937.1	3.6
20°-30°	3252.9	6.1
30°-40°	5055.5	9.5
40°-50°	7503.7	14.1
50°-60°	10359.3	19.5
60°-70°	12568.2	23.6
70°-80°	10386.7	19.5
80°-90°	1493.9	2.8
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°	53229.0	100.0
0°-180°	53229.0	100.0

Coefficient of Utilization

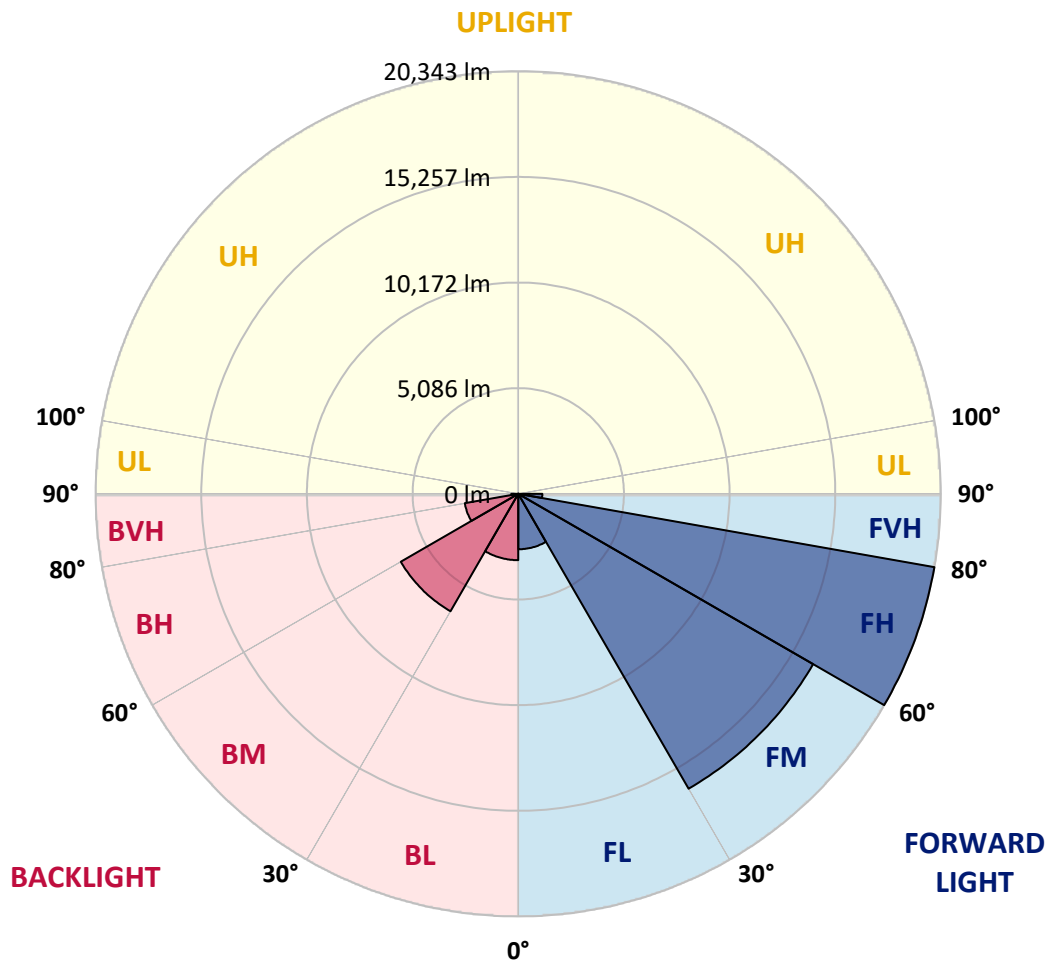


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2669.3	5.0			
FM (30°-60°)	16391.6	30.8			
FH (60°-80°)	20343.3	38.2			G5
FVH (80°-90°)	1157.5	2.2			G5
BL (0°-30°)	3192.3	6.0	B4/5000		
BM (30°-60°)	6526.9	12.3	B4/8500		
BH (60°-80°)	2611.6	4.9	B4/5000		G4/5000
BVH (80°-90°)	336.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1
2.5°	6540.6	6580.9	6598.2	6589.6	6632.7	6627.0	6687.4	6762.2	6865.8	6966.5
5°	6037.1	6080.2	6117.6	6152.2	6235.6	6261.5	6356.5	6500.4	6690.3	6883.1
7.5°	5568.0	5605.4	5663.0	5726.3	5867.3	5893.2	6051.5	6275.9	6540.6	6822.6
10°	5185.3	5222.7	5283.2	5355.1	5530.6	5562.3	5763.7	6063.0	6408.3	6765.1
12.5°	5021.3	5032.8	5067.3	5139.3	5291.8	5311.9	5533.5	5875.9	6278.8	6721.9
15°	5012.7	5035.7	5038.6	5076.0	5202.6	5211.2	5415.5	5755.1	6198.2	6713.3
17.5°	5099.0	5116.3	5090.4	5113.4	5219.8	5234.2	5395.4	5697.5	6172.3	6750.7
20°	5329.2	5343.6	5265.9	5234.2	5311.9	5323.4	5481.7	5734.9	6198.2	6828.4
22.5°	5818.4	5827.0	5637.1	5507.6	5513.4	5519.1	5657.2	5887.4	6298.9	6969.4
25°	6580.9	6575.2	6273.0	6022.7	5878.8	5847.2	5939.2	6134.9	6468.7	7156.4
27.5°	7473.0	7429.8	7127.7	6753.6	6439.9	6393.9	6373.7	6457.2	6710.4	7403.9
30°	8480.1	8439.8	8114.6	7625.5	7191.0	7116.1	6926.2	6883.1	7070.1	7740.6
32.5°	9585.1	9559.2	9170.7	8577.9	7996.7	7910.3	7590.9	7475.8	7622.6	8249.9
35°	10511.6	10488.6	10166.3	9556.3	8845.5	8739.1	8413.9	8284.4	8359.2	8903.1
37.5°	11349.0	11337.5	11061.2	10580.7	9846.9	9717.4	9352.0	9308.8	9294.4	9763.5
40°	12125.9	12097.2	11809.4	11556.2	11012.3	10894.3	10572.1	10534.7	10425.3	10822.4
42.5°	12986.3	12911.5	12494.3	12376.3	12229.5	12131.7	11938.9	11944.6	11702.9	12016.6
45°	13688.4	13645.3	13216.5	13147.5	13305.7	13265.4	13432.3	13475.5	13006.5	13268.3
47.5°	14442.3	14402.1	14039.5	13990.6	14419.3	14430.8	15020.7	15035.1	14278.3	14569.0
50°	15371.8	15314.2	14954.6	15015.0	15495.5	15538.7	16617.8	16519.9	15449.5	15889.7
52.5°	15984.7	16019.2	15941.5	16039.4	16695.5	16735.7	18188.9	17938.6	16609.1	17193.3
55°	16436.5	16505.5	16747.3	16971.7	17961.6	18001.9	19670.8	19288.1	17570.2	18401.8
57.5°	17017.7	16919.9	17371.7	17809.1	19164.4	19270.9	21112.5	20588.8	18422.0	19443.5
60°	17852.2	17783.2	18134.2	18781.7	20511.1	20680.8	22637.6	21759.9	19046.4	20269.4
62.5°	19544.2	19371.6	19426.2	19998.9	22208.8	22433.3	24358.3	22781.4	19357.2	20591.6
65°	22073.6	21777.2	21500.9	21898.0	24600.0	24821.6	26300.7	23584.3	19242.1	19967.2
67.5°	25259.0	24965.5	24625.9	25000.0	28122.2	28297.7	28697.7	24036.1	18335.7	17561.6
70°	27886.2	27776.8	28182.6	29722.1	33747.7	33753.5	31770.9	23662.0	15852.3	12451.1
72.5°	27538.0	27471.8	29609.8	34369.3	40838.0	40685.5	34680.1	20830.5	10678.5	5616.9
75°	22591.5	23020.3	26332.3	34285.8	43384.6	43364.5	32898.9	13242.4	4417.0	2327.9
77.5°	12114.4	12793.5	17095.4	25313.7	33868.6	34377.9	23129.6	4632.8	1896.3	1490.6
80°	3950.9	4543.6	6814.0	12888.5	22007.4	21912.4	9913.1	1818.6	1297.8	1056.1
82.5°	1677.6	1746.7	3044.4	6086.0	11294.3	11118.8	3156.7	1044.5	912.2	722.3
85°	656.1	733.8	1343.8	2814.2	4891.8	4785.3	1139.5	518.0	584.1	471.9
87.5°	215.8	261.9	480.5	964.0	1522.2	1467.5	279.1	178.4	253.2	215.8
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°
7093.1	0°	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1	7093.1
7113.3	2.5°	7153.6	7199.6	7254.3	7334.8	7403.9	7461.4	7521.9	7559.3	7573.7	7616.8
7124.8	5°	7205.3	7306.1	7441.3	7573.7	7703.2	7780.9	7849.9	7884.4	7916.1	7939.1
7156.4	7.5°	7291.7	7421.2	7634.1	7806.8	7916.1	7979.4	8025.4	8013.9	8025.4	8031.2
7191.0	10°	7366.5	7547.8	7801.0	7965.0	8048.5	8051.3	8039.8	7999.5	7979.4	7982.3
7242.8	12.5°	7455.7	7657.1	7930.5	8068.6	8091.6	8028.3	7979.4	7910.3	7884.4	7872.9
7320.4	15°	7576.6	7806.8	8071.5	8123.3	8065.7	7985.2	7901.7	7789.5	7731.9	7685.9
7452.8	17.5°	7723.3	7976.5	8180.8	8143.4	8019.7	7887.3	7752.1	7582.3	7464.3	7415.4
7634.1	20°	7927.6	8154.9	8264.3	8100.3	7913.2	7711.8	7481.6	7274.4	7165.1	7116.1
7864.3	22.5°	8175.1	8393.8	8344.9	8025.4	7760.7	7438.4	7150.7	6998.2	6943.5	6909.0
8160.7	25°	8471.5	8658.5	8402.4	7916.1	7510.4	7075.9	6854.3	6805.4	6779.5	6753.6
8523.3	27.5°	8857.1	8957.8	8445.6	7755.0	7119.0	6690.3	6609.7	6618.3	6609.7	6566.5
9026.8	30°	9366.4	9346.2	8485.9	7493.1	6670.1	6342.1	6347.8	6385.3	6391.0	6362.2
9728.9	32.5°	10036.8	9832.5	8506.0	7153.6	6241.4	6037.1	6042.8	6083.1	6111.9	6063.0
10646.9	35°	10848.3	10399.4	8474.3	6727.7	5910.5	5746.4	5703.3	5714.8	5723.4	5677.4
11760.5	37.5°	11795.0	11035.3	8333.3	6255.8	5637.1	5461.6	5369.5	5291.8	5245.7	5202.6
13020.8	40°	12833.8	11728.8	8074.4	5795.4	5332.1	5159.4	5021.3	4874.5	4719.2	4661.6
14356.0	42.5°	13921.5	12442.5	7760.7	5355.1	4981.0	4840.0	4693.3	4480.3	4247.2	4129.3
15743.0	45°	15049.5	13173.4	7452.8	4920.6	4621.3	4560.9	4391.1	4135.0	3881.8	3732.2
17132.8	47.5°	16154.5	13864.0	7001.0	4483.2	4284.6	4350.8	4218.5	3982.5	3700.5	3464.6
18511.2	50°	17210.5	14511.4	6261.5	4040.1	4011.3	4287.5	4160.9	3821.4	3499.1	3196.9
19863.6	52.5°	18258.0	15035.1	5314.8	3637.2	3864.5	4270.3	4086.1	3712.0	3317.8	3001.3
21135.5	55°	19147.1	15305.6	4402.6	3291.9	3651.6	4123.5	3996.9	3582.5	3061.7	2725.0
22007.4	57.5°	19653.6	15086.9	3643.0	2952.4	3358.1	3881.8	3844.4	3306.3	2756.7	2497.7
22177.2	60°	19434.9	14200.6	3021.4	2656.0	3079.0	3619.9	3579.7	3032.9	2523.6	2279.0
21267.9	62.5°	18229.2	12511.5	2529.4	2397.0	2825.7	3352.3	3314.9	2822.9	2345.2	2109.2
18853.6	65°	15800.5	10177.8	2146.6	2181.2	2569.6	3030.0	3084.7	2647.3	2204.2	1974.0
14586.2	67.5°	12051.1	7372.2	1847.4	1994.1	2319.3	2713.5	2871.8	2520.7	2086.2	1867.5
8439.8	70°	6868.7	4186.8	1594.2	1812.8	2097.7	2420.0	2707.8	2420.0	1959.6	1778.3
3162.4	72.5°	2604.2	1922.2	1378.3	1631.6	1884.8	2172.5	2526.5	2261.7	1812.8	1677.6
1634.4	75°	1389.8	1171.2	1159.6	1418.6	1640.2	1930.8	2299.2	2106.4	1703.5	1772.6
1130.9	77.5°	946.7	828.7	969.7	1214.3	1372.6	1663.2	2057.4	1870.4	1476.2	1470.4
782.7	80°	656.1	587.0	788.4	978.4	1061.8	1398.5	1795.6	1605.7	1202.8	1122.2
483.4	82.5°	394.2	382.7	589.9	730.9	751.0	1079.1	1487.7	1346.7	984.1	857.5
287.8	85°	215.8	227.3	377.0	428.8	437.4	753.9	1165.4	1041.7	756.8	635.9
103.6	87.5°	60.4	77.7	138.1	169.8	210.1	391.3	693.5	618.7	379.8	264.7
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

<u>180°</u>
7093.1
7614.0
7944.9
8039.8
7988.0
7867.2
7700.3
7418.3
7110.4
6914.7
6753.6
6575.2
6376.6
6086.0
5709.0
5231.4
4687.5
4143.7
3720.7
3438.7
3171.0
2966.7
2696.3
2463.2
2244.5
2071.8
1936.6
1833.0
1755.3
1654.6
<i>1830.1</i>
1355.3
1073.3
863.3
641.7
264.7
0.0

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