

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: P849715

Luminaire Tested: **GLAN-SB6D-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849715
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-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 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: 38691 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

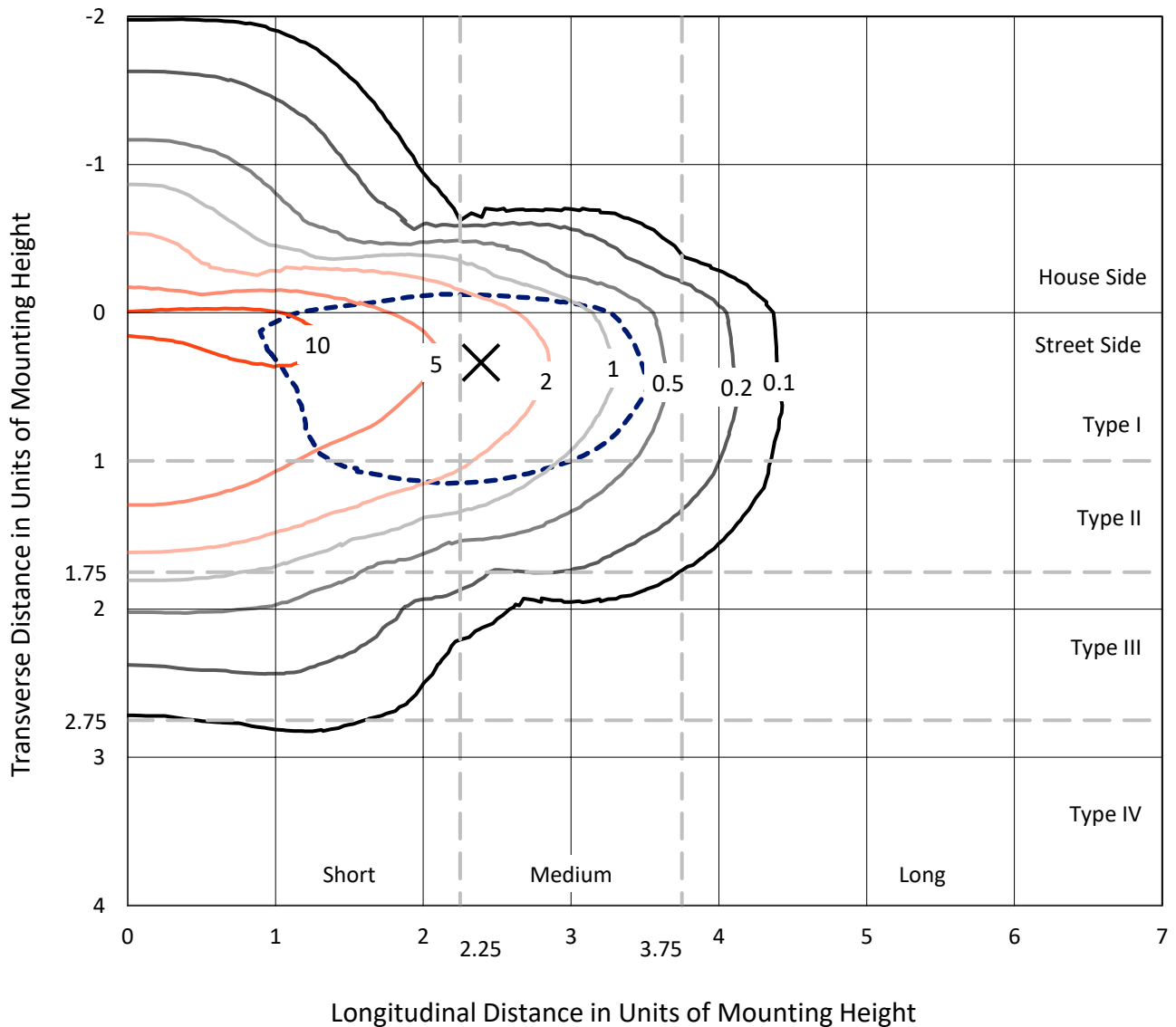
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

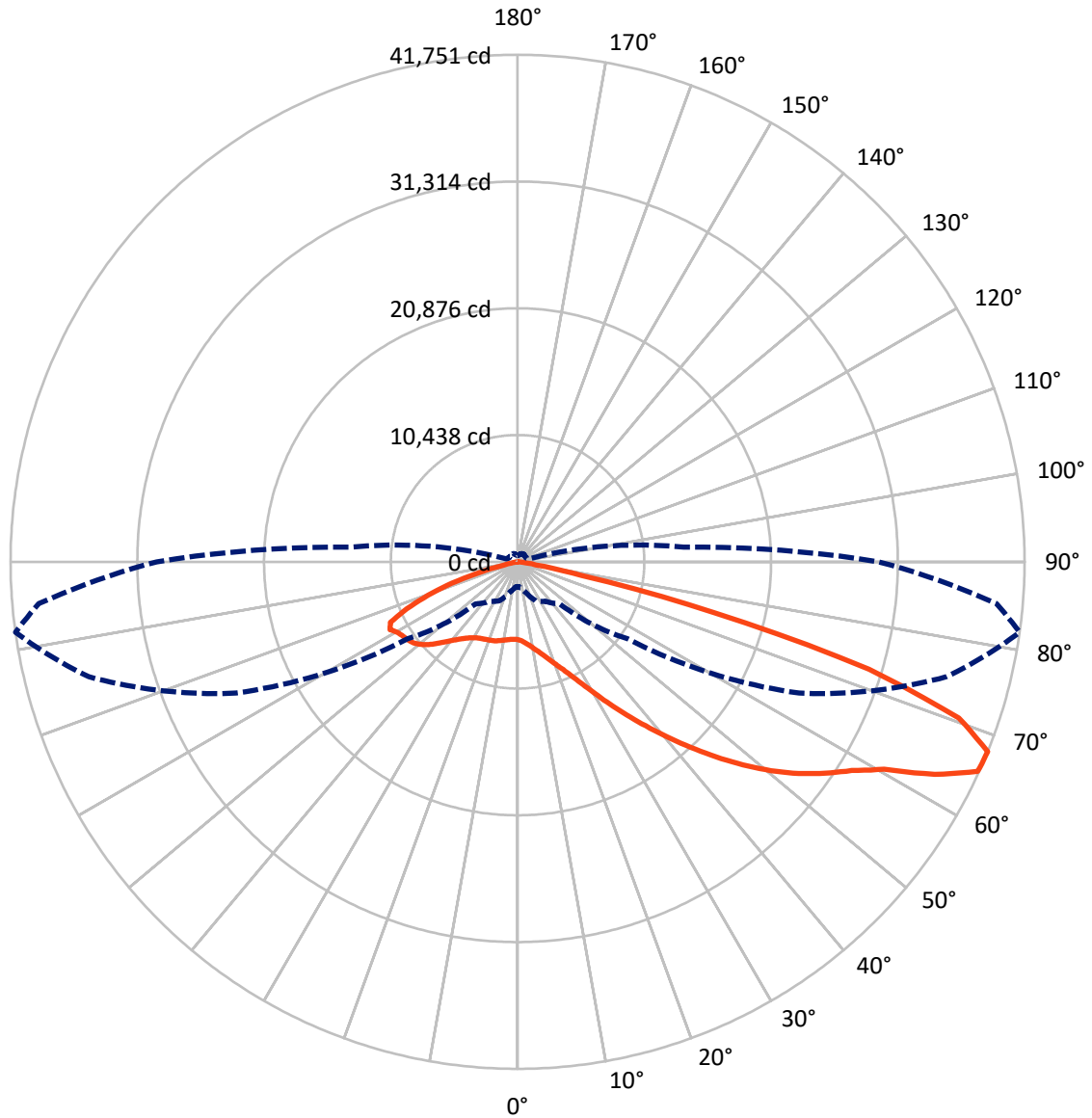
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	7008.5	0.0	7008.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	31682.5	0.0	31682.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	38691.0	0.0	38691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.1	1.5
10°-20°	1484.0	3.8
20°-30°	2376.8	6.1
30°-40°	4203.0	10.9
40°-50°	7364.0	19.0
50°-60°	9821.6	25.4
60°-70°	9143.4	23.6
70°-80°	3509.2	9.1
80°-90°	218.0	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°	38691.0	100.0
0°-180°	38691.0	100.0

Coefficient of Utilization

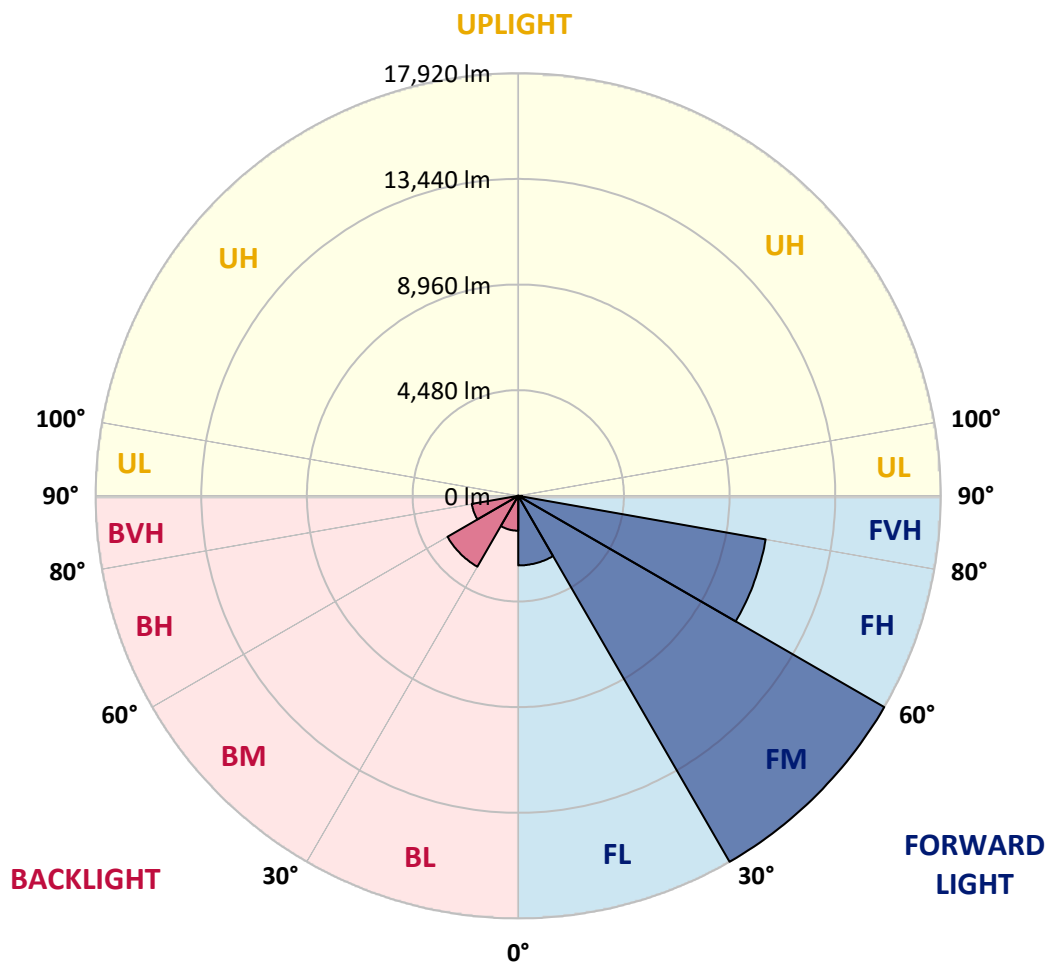


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2951.7	7.6			
FM (30°-60°)	17920.1	46.3			
FH (60°-80°)	10652.2	27.5			G4/12000
FVH (80°-90°)	158.5	0.4			G2/225
BL (0°-30°)	1480.2	3.8	B3/2500		
BM (30°-60°)	3468.5	9.0	B3/5000		
BH (60°-80°)	2000.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	59.5	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°	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8
2.5°	6774.7	6813.7	6791.4	6780.3	6760.8	6732.9	6710.6	6641.0	6568.6	6521.2
5°	6911.2	6950.2	6947.4	6958.6	6972.5	6980.8	6975.3	6897.3	6794.2	6713.4
7.5°	6794.2	6838.8	6875.0	6930.7	7028.2	7131.3	7181.4	7164.7	7058.8	6947.4
10°	6462.7	6510.1	6596.4	6727.4	6933.5	7156.3	7343.0	7429.3	7362.5	7239.9
12.5°	5855.4	5902.8	6072.7	6356.9	6702.3	7089.5	7446.1	7677.3	7694.0	7571.4
15°	5173.0	5220.3	5401.4	5757.9	6284.4	6905.6	7501.8	7939.1	8086.8	7980.9
17.5°	4749.5	4791.3	4927.8	5214.7	5763.5	6537.9	7482.3	8217.7	8554.7	8471.2
20°	4621.4	4657.6	4721.7	4922.3	5379.1	6156.3	7354.1	8479.5	9058.9	9011.6
22.5°	4757.9	4791.3	4810.8	4900.0	5186.9	5905.6	7192.6	8747.0	9643.9	9649.5
25°	5072.7	5106.1	5083.8	5139.5	5264.9	5827.6	7131.3	9061.7	10379.3	10440.6
27.5°	5590.8	5593.6	5540.7	5537.9	5557.4	5944.6	7195.3	9398.8	11307.0	11421.2
30°	6629.9	6588.1	6384.7	6164.7	6064.4	6295.6	7373.6	9797.1	12401.7	12605.1
32.5°	8231.6	8170.3	7797.0	7270.6	6741.3	6861.1	7694.0	10251.2	13594.0	13961.7
35°	9969.9	9953.1	9563.1	8780.4	7855.5	7666.1	8214.9	10847.3	14894.9	15479.9
37.5°	11585.5	11577.2	11354.3	10432.3	9306.9	8788.7	9050.6	11627.3	16287.7	17134.6
40°	13061.9	13087.0	12864.1	12039.6	10905.8	10228.9	10187.1	12591.2	17836.5	18936.9
42.5°	14337.8	14365.6	14140.0	13529.9	12485.3	11822.3	11582.7	13772.3	19349.2	20872.9
45°	15204.1	15376.8	15343.4	14855.9	14106.6	13418.5	13259.7	15254.2	21073.5	22925.9
47.5°	15449.2	15608.0	15858.7	15925.6	15468.7	14791.8	14981.2	17039.8	22817.3	24981.7
50°	14844.7	14992.4	15513.3	16206.9	16524.5	16315.6	16655.4	18953.6	24602.9	27032.0
52.5°	13652.5	13802.9	14460.3	15557.9	16853.2	17510.6	18335.2	20839.5	26332.8	28973.6
55°	11928.2	12087.0	12931.0	14173.4	16226.4	18003.7	19736.4	22722.6	27917.8	30720.2
57.5°	9582.6	9699.6	10577.1	12315.4	14649.8	17513.4	20769.8	24778.4	29410.9	32436.2
60°	6245.4	6348.5	7368.1	9306.9	12036.8	15875.4	20976.0	27071.0	31394.3	34667.5
62.5°	4153.4	4223.1	4827.5	6251.0	8476.7	12730.4	19769.8	28901.2	34302.5	38550.7
65°	2849.7	2919.4	3523.9	4515.5	5476.6	8421.0	16301.6	28658.8	36937.8	41634.4
67.5°	2033.5	2092.0	2604.6	3540.6	3964.0	4891.6	11050.7	25561.2	36558.9	41751.4
70°	1456.9	1490.3	1913.7	2757.8	3150.6	2938.9	6145.2	19549.7	32009.9	38553.4
72.5°	1019.5	1030.7	1328.8	2100.4	2537.7	2145.0	2924.9	13034.1	24210.1	30260.6
75°	690.8	704.8	894.2	1540.5	2036.3	1638.0	1548.8	6989.2	14212.4	16750.1
77.5°	423.4	429.0	576.6	1053.0	1523.8	1248.0	997.3	2961.1	5498.9	5398.6
80°	239.6	239.6	367.7	654.6	1039.0	805.1	699.2	1259.1	1741.0	1529.3
82.5°	133.7	136.5	267.4	406.7	688.1	476.3	384.4	582.2	752.1	665.8
85°	55.7	61.3	164.4	192.2	328.7	236.8	156.0	245.1	278.6	247.9
87.5°	5.6	8.4	50.1	36.2	39.0	47.4	22.3	47.4	39.0	39.0
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°
6409.8	0°	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8	6409.8
6504.5	2.5°	6451.6	6409.8	6303.9	6181.4	6019.8	5941.8	5835.9	5763.5	5702.2	5707.8
6666.1	5°	6576.9	6471.1	6234.3	5939.0	5571.3	5309.5	5030.9	4838.7	4682.7	4649.3
6888.9	7.5°	6749.6	6582.5	6167.4	5635.4	5014.2	4543.4	4122.8	3852.6	3660.3	3599.1
7159.1	10°	6972.5	6730.1	6081.1	5253.7	4359.5	3760.6	3309.4	3097.6	2966.7	2922.2
7476.7	12.5°	7231.6	6900.1	5966.9	4788.5	3685.4	3108.8	2821.9	2716.0	2674.2	2660.3
7866.7	15°	7557.5	7111.8	5794.2	4237.0	3114.4	2710.4	2587.9	2573.9	2579.5	2573.9
8334.7	17.5°	7944.7	7343.0	5512.8	3668.7	2729.9	2507.1	2462.5	2473.7	2487.6	2484.8
8858.4	20°	8368.1	7571.4	5153.5	3164.5	2468.1	2362.2	2337.2	2348.3	2359.4	2353.9
9462.9	22.5°	8850.0	7816.5	4755.1	2771.7	2292.6	2228.5	2200.7	2203.5	2203.5	2192.3
10228.9	25°	9426.7	8086.8	4337.3	2493.2	2158.9	2108.7	2075.3	2064.2	2047.5	2014.0
11159.3	27.5°	10114.7	8373.7	3936.1	2298.2	2053.0	2005.7	1966.7	1938.8	1897.0	1841.3
12276.4	30°	10889.1	8721.9	3596.3	2175.6	1969.5	1922.1	1877.5	1835.7	1774.5	1704.8
13560.6	32.5°	11800.0	9095.2	3348.4	2094.8	1894.2	1844.1	1791.2	1741.0	1674.2	1604.5
15003.5	35°	12886.4	9546.4	3203.5	2039.1	1835.7	1768.9	1710.4	1654.7	1604.5	1543.3
16571.9	37.5°	14064.8	10025.6	3158.9	2011.2	1796.7	1693.7	1626.8	1587.8	1582.3	1546.0
18268.3	40°	15354.5	10593.8	3192.4	1994.5	1755.0	1621.3	1548.8	1540.5	1554.4	1490.3
20081.8	42.5°	16719.5	11268.0	3248.1	1975.0	1696.5	1548.8	1479.2	1479.2	1468.0	1378.9
21998.3	45°	18195.9	12045.2	3303.8	1927.7	1626.8	1476.4	1423.5	1404.0	1356.6	1270.3
23926.0	47.5°	19683.4	12836.3	3345.6	1841.3	1543.3	1415.1	1367.8	1323.2	1253.5	1175.5
25817.4	50°	21095.8	13546.6	3301.0	1713.2	1448.5	1356.6	1306.5	1245.2	1170.0	1117.0
27608.6	52.5°	22357.7	14162.3	3111.6	1562.8	1348.3	1295.3	1250.8	1186.7	1125.4	1069.7
29224.3	55°	23455.2	14660.9	2777.3	1420.7	1259.1	1242.4	1197.8	1117.0	1033.5	986.1
30826.0	57.5°	24508.2	15039.7	2359.4	1303.7	1178.3	1183.9	1117.0	1044.6	966.6	916.5
32984.9	60°	25909.4	15546.7	1936.0	1195.0	1092.0	1108.7	1036.3	983.3	885.8	821.8
36687.1	62.5°	28149.0	16335.1	1537.7	1061.3	991.7	997.3	966.6	902.6	785.6	710.3
39430.9	65°	29926.3	16045.4	1211.8	916.5	877.5	885.8	885.8	816.2	690.8	604.5
39578.6	67.5°	29725.7	13738.8	966.6	774.4	768.8	774.4	793.9	735.4	612.8	543.2
36564.5	70°	27383.0	10928.1	774.4	643.5	668.6	654.6	710.3	671.3	551.6	481.9
28346.8	72.5°	22343.7	7872.3	590.6	532.1	512.6	534.8	640.7	604.5	459.6	381.6
15014.7	75°	13056.4	4200.8	440.1	420.6	370.5	445.7	568.3	515.3	351.0	281.4
4601.9	77.5°	4250.9	1465.3	323.1	309.2	275.8	359.3	484.7	434.6	286.9	222.9
1348.3	80°	1139.3	442.9	220.1	203.4	178.3	267.4	384.4	345.4	206.1	144.9
579.4	82.5°	456.8	186.6	128.1	114.2	97.5	183.9	303.6	278.6	153.2	91.9
181.1	85°	147.6	61.3	47.4	36.2	44.6	114.2	181.1	189.4	108.6	47.4
27.9	87.5°	19.5	8.4	8.4	11.1	8.4	19.5	55.7	52.9	30.6	5.6
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°
6409.8
5652.1
4574.0
3537.8
2888.7
2651.9
2571.2
2479.2
2351.1
2186.7
2008.5
1835.7
1699.2
1607.3
1537.7
1543.3
1493.1
1378.9
1267.5
1172.8
1108.7
1064.1
980.6
910.9
813.4
704.8
596.1
532.1
473.6
373.3
273.0
214.5
142.1
91.9
36.2
0.0
0.0

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