

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: P849125

Luminaire Tested: **GLAN-SB6A-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849125
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-SB6A-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA 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: 19492 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

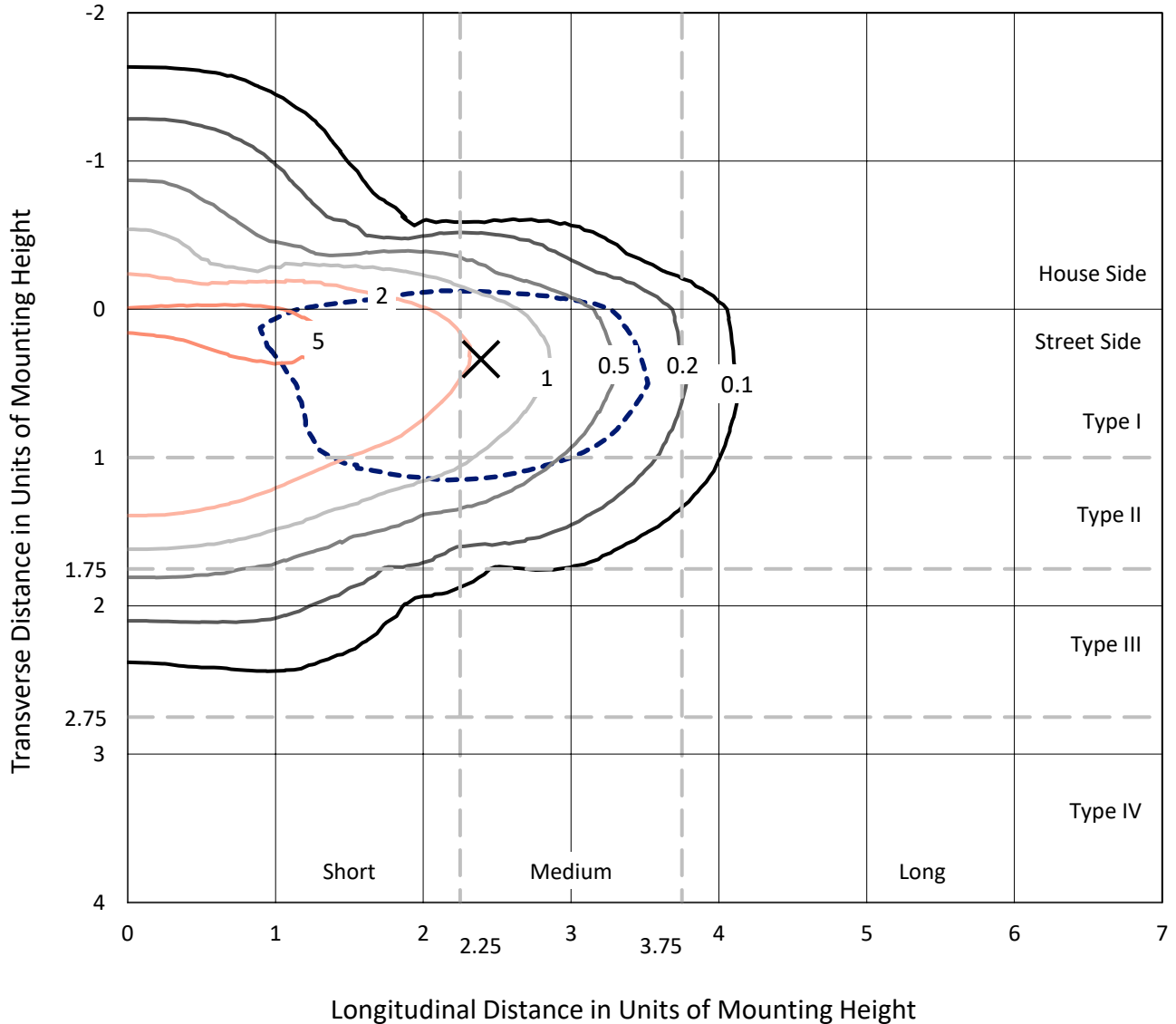
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

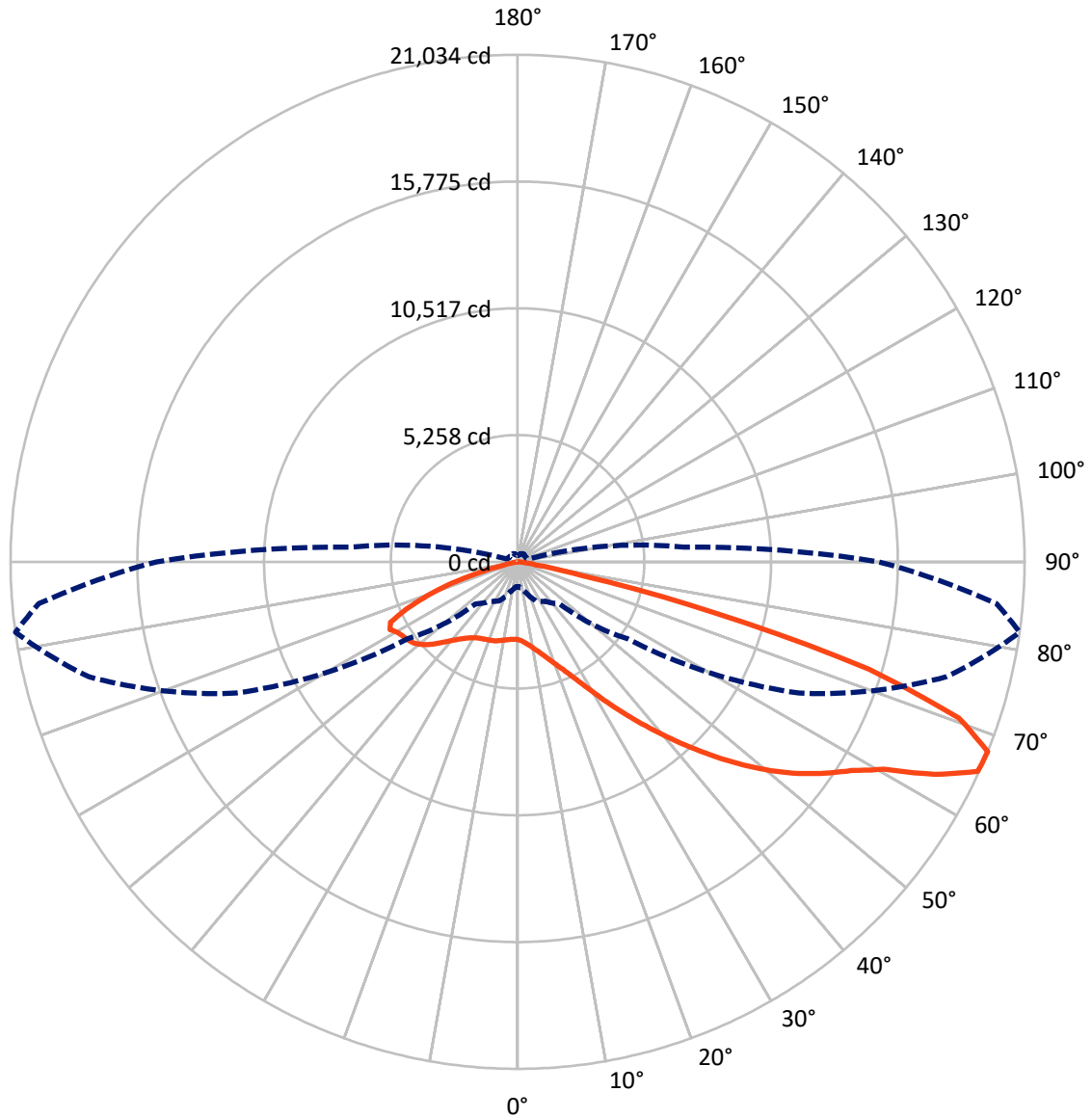
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	3530.8	0.0	3530.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	15961.2	0.0	15961.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	19492.0	0.0	19492.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.7	1.5
10°-20°	747.6	3.8
20°-30°	1197.4	6.1
30°-40°	2117.4	10.9
40°-50°	3709.9	19.0
50°-60°	4948.0	25.4
60°-70°	4606.3	23.6
70°-80°	1767.9	9.1
80°-90°	109.8	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°	19492.0	100.0
0°-180°	19492.0	100.0

Coefficient of Utilization

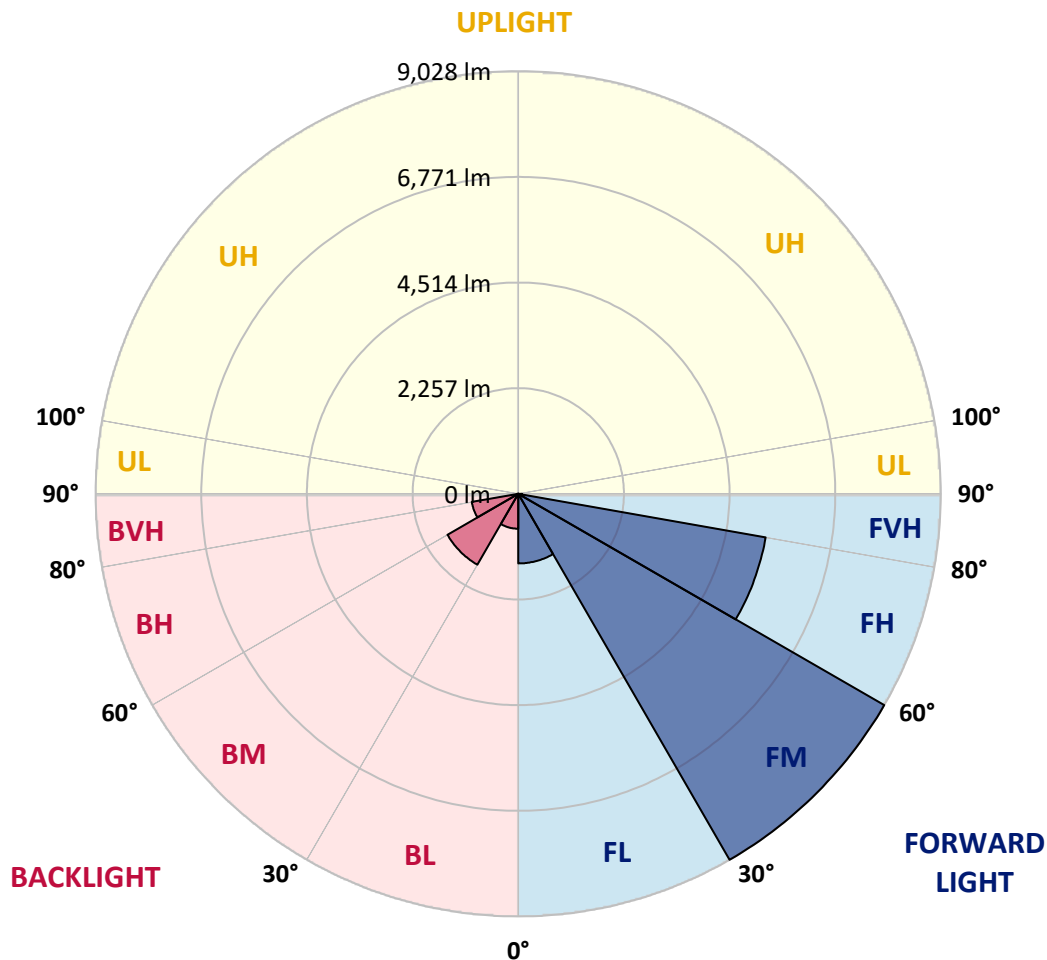


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1487.0	7.6			
FM (30°-60°)	9027.9	46.3			
FH (60°-80°)	5366.4	27.5			G3/7500
FVH (80°-90°)	79.8	0.4			G1/100
BL (0°-30°)	745.7	3.8	B2/1000		
BM (30°-60°)	1747.4	9.0	B2/2500		
BH (60°-80°)	1007.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.0	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2
2.5°	3413.0	3432.7	3421.4	3415.8	3406.0	3392.0	3380.7	3345.6	3309.2	3285.3
5°	3481.8	3501.4	3500.0	3505.6	3512.6	3516.9	3514.0	3474.8	3422.8	3382.1
7.5°	3422.8	3445.3	3463.5	3491.6	3540.7	3592.6	3617.9	3609.5	3556.2	3500.0
10°	3255.8	3279.7	3323.2	3389.1	3493.0	3605.3	3699.3	3742.8	3709.1	3647.4
12.5°	2949.9	2973.8	3059.4	3202.5	3376.5	3571.6	3751.2	3867.7	3876.1	3814.4
15°	2606.1	2629.9	2721.1	2900.8	3166.0	3479.0	3779.3	3999.6	4074.0	4020.7
17.5°	2392.8	2413.8	2482.6	2627.1	2903.6	3293.7	3769.5	4140.0	4309.8	4267.7
20°	2328.2	2346.4	2378.7	2479.8	2709.9	3101.5	3704.9	4271.9	4563.8	4539.9
22.5°	2397.0	2413.8	2423.6	2468.5	2613.1	2975.2	3623.5	4406.6	4858.5	4861.3
25°	2555.5	2572.4	2561.2	2589.2	2652.4	2935.9	3592.6	4565.2	5229.0	5259.8
27.5°	2816.6	2818.0	2791.3	2789.9	2799.7	2994.8	3624.9	4735.0	5696.3	5753.8
30°	3340.0	3319.0	3216.5	3105.7	3055.1	3171.6	3714.7	4935.7	6247.8	6350.3
32.5°	4147.0	4116.1	3928.0	3662.8	3396.2	3456.5	3876.1	5164.4	6848.5	7033.7
35°	5022.7	5014.3	4817.8	4423.4	3957.5	3862.1	4138.6	5464.7	7503.8	7798.6
37.5°	5836.6	5832.4	5720.2	5255.6	4688.7	4427.6	4559.6	5857.7	8205.5	8632.2
40°	6580.4	6593.1	6480.8	6065.4	5494.2	5153.2	5132.1	6343.3	8985.8	9540.1
42.5°	7223.2	7237.2	7123.5	6816.2	6289.9	5955.9	5835.2	6938.3	9747.8	10515.5
45°	7659.6	7746.6	7729.8	7484.2	7106.7	6760.1	6680.1	7684.9	10616.5	11549.8
47.5°	7783.1	7863.1	7989.4	8023.1	7792.9	7451.9	7547.3	8584.4	11495.0	12585.5
50°	7478.6	7553.0	7815.4	8164.8	8324.8	8219.6	8390.8	9548.6	12394.6	13618.3
52.5°	6877.9	6953.7	7284.9	7837.8	8490.4	8821.6	9237.0	10498.6	13266.1	14596.5
55°	6009.2	6089.2	6514.5	7140.4	8174.7	9070.0	9942.9	11447.3	14064.6	15476.4
57.5°	4827.6	4886.6	5328.6	6204.3	7380.3	8823.0	10463.6	12483.0	14816.8	16340.9
60°	3146.4	3198.3	3711.9	4688.7	6064.0	7997.8	10567.4	13638.0	15816.0	17465.0
62.5°	2092.4	2127.5	2432.0	3149.2	4270.5	6413.4	9959.7	14560.0	17281.2	19421.3
65°	1435.7	1470.7	1775.3	2274.9	2759.0	4242.4	8212.5	14437.9	18608.7	20974.8
67.5°	1024.5	1053.9	1312.2	1783.7	1997.0	2464.3	5567.2	12877.4	18417.9	21033.8
70°	734.0	750.8	964.1	1389.3	1587.2	1480.6	3095.8	9848.9	16126.2	19422.7
72.5°	513.6	519.2	669.4	1058.1	1278.5	1080.6	1473.5	6566.4	12196.7	15244.9
75°	348.0	355.1	450.5	776.1	1025.9	825.2	780.3	3521.1	7160.0	8438.5
77.5°	213.3	216.1	290.5	530.5	767.6	628.7	502.4	1491.8	2770.3	2719.7
80°	120.7	120.7	185.2	329.8	523.5	405.6	352.2	634.3	877.1	770.5
82.5°	67.4	68.8	134.7	204.9	346.6	240.0	193.7	293.3	378.9	335.4
85°	28.1	30.9	82.8	96.8	165.6	119.3	78.6	123.5	140.3	124.9
87.5°	2.8	4.2	25.3	18.2	19.6	23.9	11.2	23.9	19.6	19.6
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°
3229.2	0°	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2	3229.2
3276.9	2.5°	3250.2	3229.2	3175.8	3114.1	3032.7	2993.4	2940.1	2903.6	2872.7	2875.5
3358.3	5°	3313.4	3260.0	3140.8	2992.0	2806.7	2674.8	2534.5	2437.7	2359.1	2342.2
3470.5	7.5°	3400.4	3316.2	3107.1	2839.0	2526.1	2288.9	2077.0	1940.9	1844.0	1813.2
3606.7	10°	3512.6	3390.6	3063.6	2646.8	2196.3	1894.6	1667.2	1560.6	1494.6	1472.1
3766.7	12.5°	3643.2	3476.2	3006.0	2412.4	1856.7	1566.2	1421.6	1368.3	1347.2	1340.2
3963.1	15°	3807.4	3582.8	2919.0	2134.5	1569.0	1365.5	1303.7	1296.7	1299.5	1296.7
4198.9	17.5°	4002.4	3699.3	2777.3	1848.2	1375.3	1263.0	1240.6	1246.2	1253.2	1251.8
4462.7	20°	4215.7	3814.4	2596.2	1594.2	1243.4	1190.1	1177.4	1183.0	1188.7	1185.9
4767.3	22.5°	4458.5	3937.9	2395.6	1396.4	1155.0	1122.7	1108.7	1110.1	1110.1	1104.5
5153.2	25°	4749.0	4074.0	2185.1	1256.0	1087.6	1062.4	1045.5	1039.9	1031.5	1014.6
5621.9	27.5°	5095.7	4218.5	1983.0	1157.8	1034.3	1010.4	990.8	976.7	955.7	927.6
6184.7	30°	5485.8	4394.0	1811.8	1096.0	992.2	968.3	945.9	924.8	893.9	858.9
6831.6	32.5°	5944.7	4582.0	1686.9	1055.3	954.3	929.0	902.4	877.1	843.4	808.3
7558.6	35°	6492.0	4809.4	1613.9	1027.3	924.8	891.1	861.7	833.6	808.3	777.5
8348.7	37.5°	7085.6	5050.7	1591.4	1013.2	905.2	853.3	819.6	799.9	797.1	778.9
9203.3	40°	7735.4	5337.0	1608.3	1004.8	884.1	816.8	780.3	776.1	783.1	750.8
10116.9	42.5°	8423.1	5676.6	1636.3	995.0	854.7	780.3	745.2	745.2	739.6	694.7
11082.4	45°	9166.8	6068.2	1664.4	971.1	819.6	743.8	717.1	707.3	683.4	639.9
12053.6	47.5°	9916.2	6466.7	1685.5	927.6	777.5	712.9	689.1	666.6	631.5	592.2
13006.5	50°	10627.8	6824.6	1663.0	863.1	729.8	683.4	658.2	627.3	589.4	562.8
13908.8	52.5°	11263.5	7134.8	1567.6	787.3	679.2	652.6	630.1	597.8	567.0	538.9
14722.8	55°	11816.4	7386.0	1399.2	715.7	634.3	625.9	603.5	562.8	520.7	496.8
15529.7	57.5°	12346.9	7576.8	1188.7	656.8	593.6	596.4	562.8	526.3	487.0	461.7
16617.4	60°	13052.8	7832.2	975.3	602.0	550.1	558.5	522.1	495.4	446.3	414.0
18482.4	62.5°	14181.1	8229.4	774.7	534.7	499.6	502.4	487.0	454.7	395.8	357.9
19864.8	65°	15076.5	8083.4	610.5	461.7	442.1	446.3	446.3	411.2	348.0	304.5
19939.1	67.5°	14975.4	6921.4	487.0	390.1	387.3	390.1	400.0	370.5	308.7	273.7
18420.7	70°	13795.2	5505.4	390.1	324.2	336.8	329.8	357.9	338.2	277.9	242.8
14280.7	72.5°	11256.5	3965.9	297.5	268.0	258.2	269.4	322.8	304.5	231.6	192.3
7564.2	75°	6577.6	2116.3	221.7	211.9	186.6	224.5	286.3	259.6	176.8	141.7
2318.4	77.5°	2141.5	738.2	162.8	155.8	138.9	181.0	244.2	218.9	144.5	112.3
679.2	80°	574.0	223.1	110.9	102.4	89.8	134.7	193.7	174.0	103.8	73.0
291.9	82.5°	230.2	94.0	64.6	57.5	49.1	92.6	153.0	140.3	77.2	46.3
91.2	85°	74.4	30.9	23.9	18.2	22.5	57.5	91.2	95.4	54.7	23.9
14.0	87.5°	9.8	4.2	4.2	5.6	4.2	9.8	28.1	26.7	15.4	2.8
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°
3229.2
2847.4
2304.3
1782.3
1455.3
1336.0
1295.3
1249.0
1184.4
1101.6
1011.8
924.8
856.1
809.7
774.7
777.5
752.2
694.7
638.5
590.8
558.5
536.1
494.0
458.9
409.8
355.1
300.3
268.0
238.6
188.1
137.5
108.1
71.6
46.3
18.2
0.0
0.0

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