

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: P849625

Luminaire Tested: **GLAN-SB6D-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849625
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 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: 43528 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

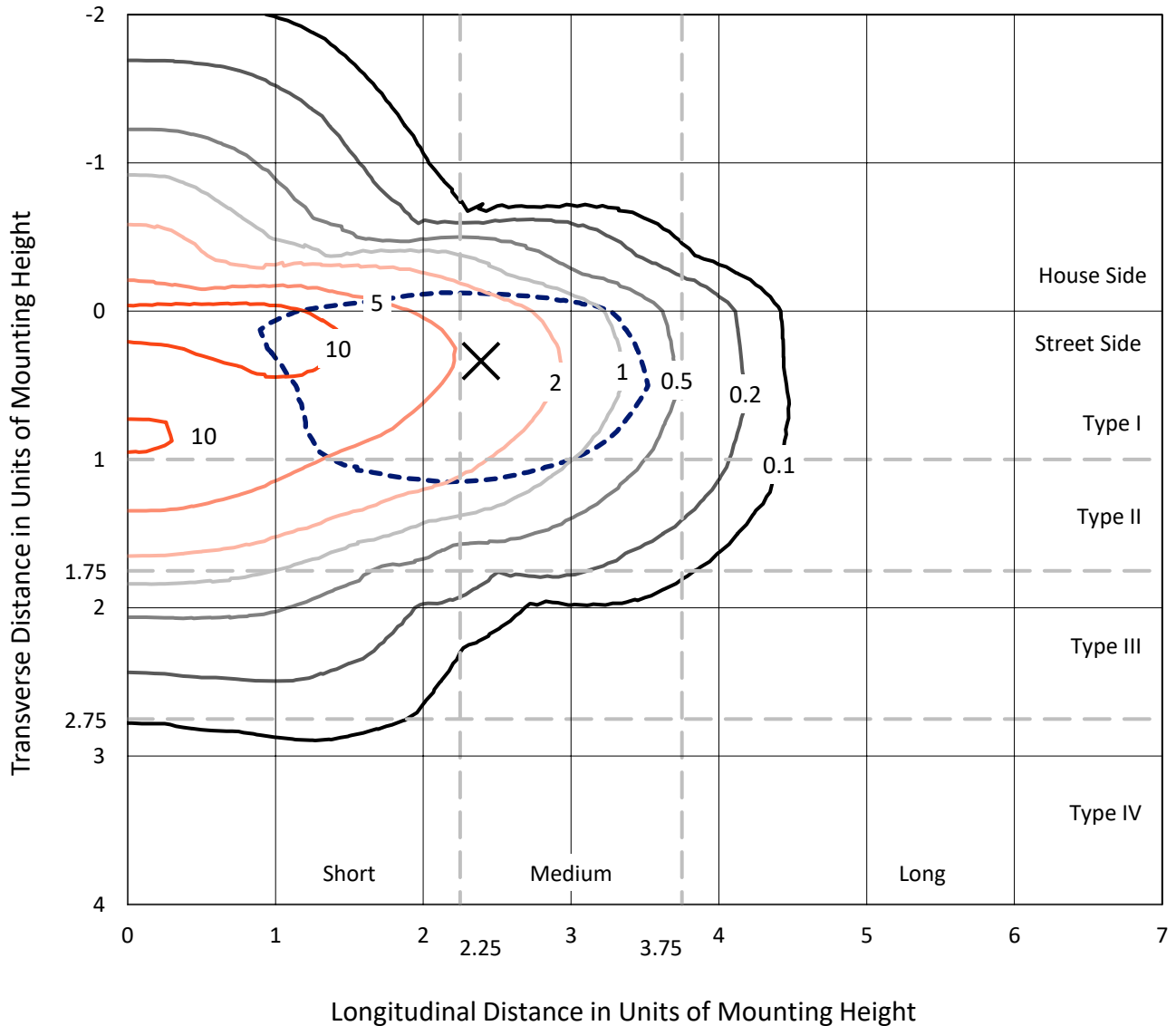
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

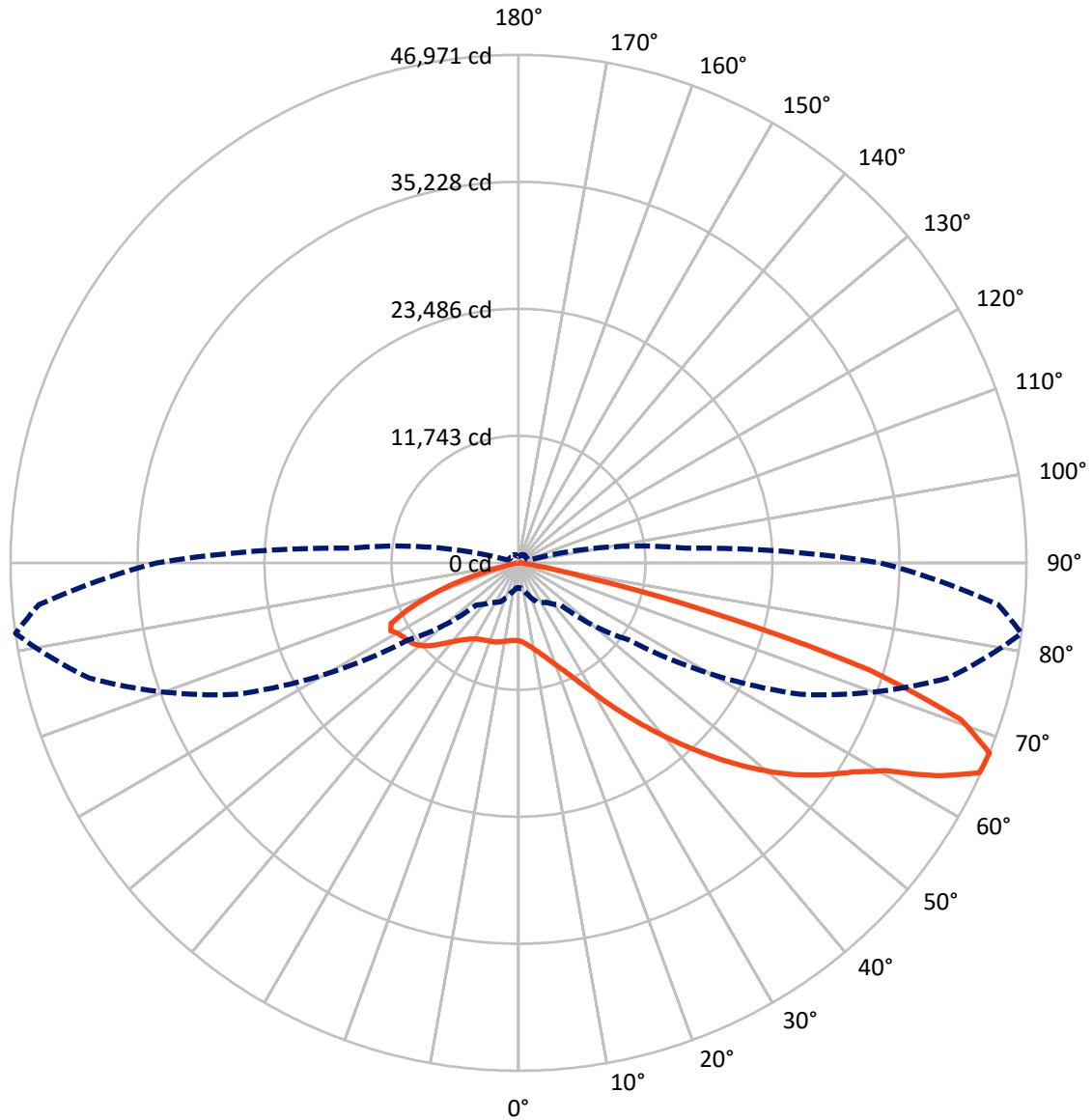
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 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	7884.7	0.0	7884.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	35643.3	0.0	35643.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	43528.0	0.0	43528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.5	1.5
10°-20°	1669.5	3.8
20°-30°	2674.0	6.1
30°-40°	4728.4	10.9
40°-50°	8284.7	19.0
50°-60°	11049.4	25.4
60°-70°	10286.4	23.6
70°-80°	3947.9	9.1
80°-90°	245.2	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°	43528.0	100.0
0°-180°	43528.0	100.0

Coefficient of Utilization

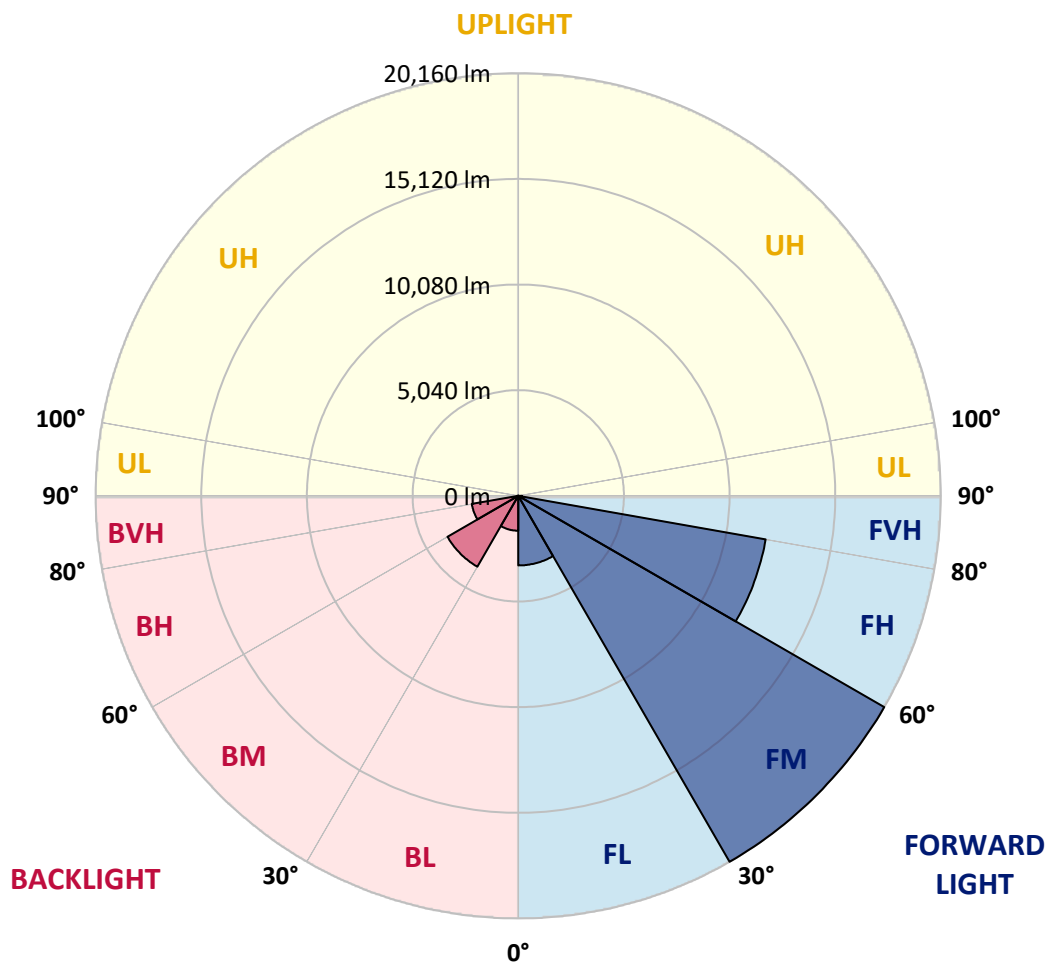


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3320.7	7.6			
FM (30°-60°)	20160.4	46.3			
FH (60°-80°)	11983.9	27.5			G4/12000
FVH (80°-90°)	178.3	0.4			G2/225
BL (0°-30°)	1665.2	3.8	B3/2500		
BM (30°-60°)	3902.1	9.0	B3/5000		
BH (60°-80°)	2250.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	66.9	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°	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1
2.5°	7621.7	7665.5	7640.5	7627.9	7606.0	7574.6	7549.6	7471.2	7389.7	7336.5
5°	7775.2	7819.1	7816.0	7828.5	7844.2	7853.6	7847.3	7759.6	7643.6	7552.7
7.5°	7643.6	7693.7	7734.5	7797.2	7906.8	8022.8	8079.2	8060.4	7941.3	7816.0
10°	7270.7	7323.9	7421.1	7568.4	7800.3	8051.0	8261.0	8358.1	8282.9	8145.0
12.5°	6587.5	6640.7	6831.9	7151.6	7540.2	7975.8	8376.9	8637.0	8655.8	8518.0
15°	5819.7	5872.9	6076.6	6477.8	7070.1	7769.0	8439.6	8931.6	9097.7	8978.6
17.5°	5343.3	5390.3	5543.9	5866.7	6484.1	7355.3	8417.7	9245.0	9624.2	9530.2
20°	5199.1	5239.9	5312.0	5537.6	6051.6	6925.9	8273.5	9539.6	10191.5	10138.2
22.5°	5352.7	5390.3	5412.3	5512.5	5835.3	6643.9	8091.7	9840.5	10849.6	10855.8
25°	5706.8	5744.4	5719.4	5782.1	5923.1	6556.1	8022.8	10194.6	11676.9	11745.9
27.5°	6289.7	6292.9	6233.3	6230.2	6252.1	6687.8	8094.9	10573.8	12720.5	12849.0
30°	7458.7	7411.7	7182.9	6935.3	6822.5	7082.6	8295.4	11021.9	13952.1	14180.9
32.5°	9260.7	9191.7	8771.8	8179.5	7584.1	7718.8	8655.8	11532.8	15293.5	15707.1
35°	11216.2	11197.4	10758.7	9878.1	8837.6	8624.5	9241.9	12203.4	16757.0	17415.1
37.5°	13033.9	13024.5	12773.8	11736.5	10470.4	9887.5	10182.1	13080.9	18323.9	19276.7
40°	14694.9	14723.1	14472.4	13544.7	12269.2	11507.7	11460.7	14165.3	20066.4	21304.3
42.5°	16130.2	16161.6	15907.7	15221.4	14046.2	13300.3	13030.8	15494.0	21768.1	23482.4
45°	17104.9	17299.2	17261.6	16713.1	15870.1	15096.0	14917.4	17161.3	23708.0	25792.0
47.5°	17380.6	17559.3	17841.3	17916.5	17402.6	16641.0	16854.1	19170.1	25669.8	28104.9
50°	16700.6	16866.7	17452.7	18233.1	18590.3	18355.3	18737.6	21323.1	27678.7	30411.4
52.5°	15359.3	15528.5	16268.1	17502.9	18960.1	19699.7	20627.4	23444.7	29624.8	32595.8
55°	13419.4	13598.0	14547.6	15945.3	18255.0	20254.4	22203.7	25563.3	31408.0	34560.7
57.5°	10780.6	10912.3	11899.4	13855.0	16481.2	19702.9	23366.4	27876.1	33087.8	36491.2
60°	7026.2	7142.2	8289.2	10470.4	13541.6	17860.1	23598.3	30455.3	35319.1	39001.5
62.5°	4672.7	4751.0	5431.1	7032.5	9536.5	14321.9	22241.3	32514.3	38590.9	43370.1
65°	3206.0	3284.3	3964.4	5080.1	6161.3	9473.8	18339.6	32241.6	41555.6	46839.4
67.5°	2287.8	2353.6	2930.2	3983.2	4459.5	5503.1	12432.2	28756.7	41129.4	46971.0
70°	1639.0	1676.6	2153.0	3102.6	3544.4	3306.3	6913.4	21993.7	36011.7	43373.3
72.5°	1147.0	1159.5	1494.9	2363.0	2855.0	2413.1	3290.6	14663.5	27236.8	34043.6
75°	777.2	792.9	1006.0	1733.0	2290.9	1842.7	1742.5	7863.0	15989.2	18844.2
77.5°	476.4	482.6	648.7	1184.6	1714.2	1404.0	1121.9	3331.3	6186.3	6073.5
80°	269.5	269.5	413.7	736.5	1168.9	905.7	786.6	1416.5	1958.7	1720.5
82.5°	150.4	153.6	300.9	457.6	774.1	535.9	432.5	655.0	846.2	749.0
85°	62.7	68.9	184.9	216.2	369.8	266.4	175.5	275.8	313.4	278.9
87.5°	6.3	9.4	56.4	40.7	43.9	53.3	25.1	53.3	43.9	43.9
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°
7211.1	0°	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1	7211.1
7317.7	2.5°	7258.1	7211.1	7092.0	6954.1	6772.4	6684.6	6565.5	6484.1	6415.1	6421.4
7499.4	5°	7399.2	7280.1	7013.7	6681.5	6267.8	5973.2	5659.8	5443.6	5268.1	5230.5
7750.1	7.5°	7593.5	7405.4	6938.5	6339.9	5641.0	5111.4	4638.2	4334.2	4118.0	4049.0
8054.1	10°	7844.2	7571.5	6841.3	5910.5	4904.6	4230.8	3723.1	3484.9	3337.6	3287.5
8411.4	12.5°	8135.6	7762.7	6712.8	5387.2	4146.2	3497.4	3174.6	3055.6	3008.5	2992.9
8850.1	15°	8502.3	8000.9	6518.5	4766.7	3503.7	3049.3	2911.4	2895.7	2902.0	2895.7
9376.6	17.5°	8937.9	8261.0	6202.0	4127.4	3071.2	2820.5	2770.4	2782.9	2798.6	2795.4
9965.8	20°	9414.3	8518.0	5797.7	3560.1	2776.6	2657.6	2629.3	2641.9	2654.4	2648.2
10645.9	22.5°	9956.4	8793.7	5349.6	3118.2	2579.2	2507.1	2475.8	2478.9	2478.9	2466.4
11507.7	25°	10605.1	9097.7	4879.5	2804.8	2428.8	2372.4	2334.8	2322.2	2303.4	2265.8
12554.4	27.5°	11379.2	9420.5	4428.2	2585.5	2309.7	2256.4	2212.5	2181.2	2134.2	2071.5
13811.1	30°	12250.4	9812.3	4045.9	2447.6	2215.7	2162.4	2112.3	2065.2	1996.3	1918.0
15255.9	32.5°	13275.2	10232.2	3767.0	2356.7	2131.1	2074.6	2015.1	1958.7	1883.5	1805.1
16879.2	35°	14497.4	10739.9	3604.0	2294.0	2065.2	1990.0	1924.2	1861.5	1805.1	1736.2
18643.6	37.5°	15823.1	11278.9	3553.8	2262.7	2021.4	1905.4	1830.2	1786.3	1780.1	1739.3
20552.2	40°	17274.1	11918.2	3591.5	2243.9	1974.4	1823.9	1742.5	1733.0	1748.7	1676.6
22592.3	42.5°	18809.7	12676.6	3654.1	2221.9	1908.5	1742.5	1664.1	1664.1	1651.6	1551.3
24748.5	45°	20470.7	13551.0	3716.8	2168.7	1830.2	1661.0	1601.4	1579.5	1526.2	1429.1
26917.1	47.5°	22144.2	14441.0	3763.8	2071.5	1736.2	1592.0	1538.7	1488.6	1410.3	1322.5
29045.0	50°	23733.1	15240.2	3713.7	1927.4	1629.6	1526.2	1469.8	1400.9	1316.2	1256.7
31060.1	52.5°	25152.7	15932.8	3500.6	1758.1	1516.8	1457.3	1407.1	1335.0	1266.1	1203.4
32877.8	55°	26387.5	16493.7	3124.5	1598.3	1416.5	1397.7	1347.6	1256.7	1162.7	1109.4
34679.8	57.5°	27572.1	16920.0	2654.4	1466.7	1325.6	1331.9	1256.7	1175.2	1087.5	1031.1
37108.6	60°	29148.5	17490.3	2178.1	1344.4	1228.5	1247.3	1165.8	1106.3	996.6	924.5
41273.5	62.5°	31668.1	18377.2	1729.9	1194.0	1115.7	1121.9	1087.5	1015.4	883.8	799.1
44360.4	65°	33667.5	18051.3	1363.2	1031.1	987.2	996.6	996.6	918.2	777.2	680.1
44526.5	67.5°	33441.9	15456.4	1087.5	871.2	865.0	871.2	893.2	827.4	689.5	611.1
41135.6	70°	30806.3	12294.3	871.2	723.9	752.1	736.5	799.1	755.3	620.5	542.2
31890.6	72.5°	25137.1	8856.4	664.4	598.6	576.6	601.7	720.8	680.1	517.1	429.3
16891.8	75°	14688.6	4725.9	495.2	473.2	416.8	501.4	639.3	579.8	394.9	316.5
5177.2	77.5°	4782.3	1648.4	363.5	347.9	310.3	404.3	545.3	488.9	322.8	250.7
1516.8	80°	1281.8	498.3	247.6	228.8	200.6	300.9	432.5	388.6	231.9	163.0
651.9	82.5°	514.0	210.0	144.2	128.5	109.7	206.8	341.6	313.4	172.4	103.4
203.7	85°	166.1	68.9	53.3	40.7	50.1	128.5	203.7	213.1	122.2	53.3
31.3	87.5°	21.9	9.4	9.4	12.5	9.4	21.9	62.7	59.5	34.5	6.3
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°
7211.1
6358.7
5145.9
3980.1
3249.9
2983.5
2892.6
2789.2
2645.0
2460.1
2259.5
2065.2
1911.7
1808.3
1729.9
1736.2
1679.8
1551.3
1425.9
1319.4
1247.3
1197.2
1103.1
1024.8
915.1
792.9
670.7
598.6
532.8
419.9
307.1
241.3
159.8
103.4
40.7
0.0
0.0

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