

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: P846747

Luminaire Tested: **GLAN-SB2C-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11526 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

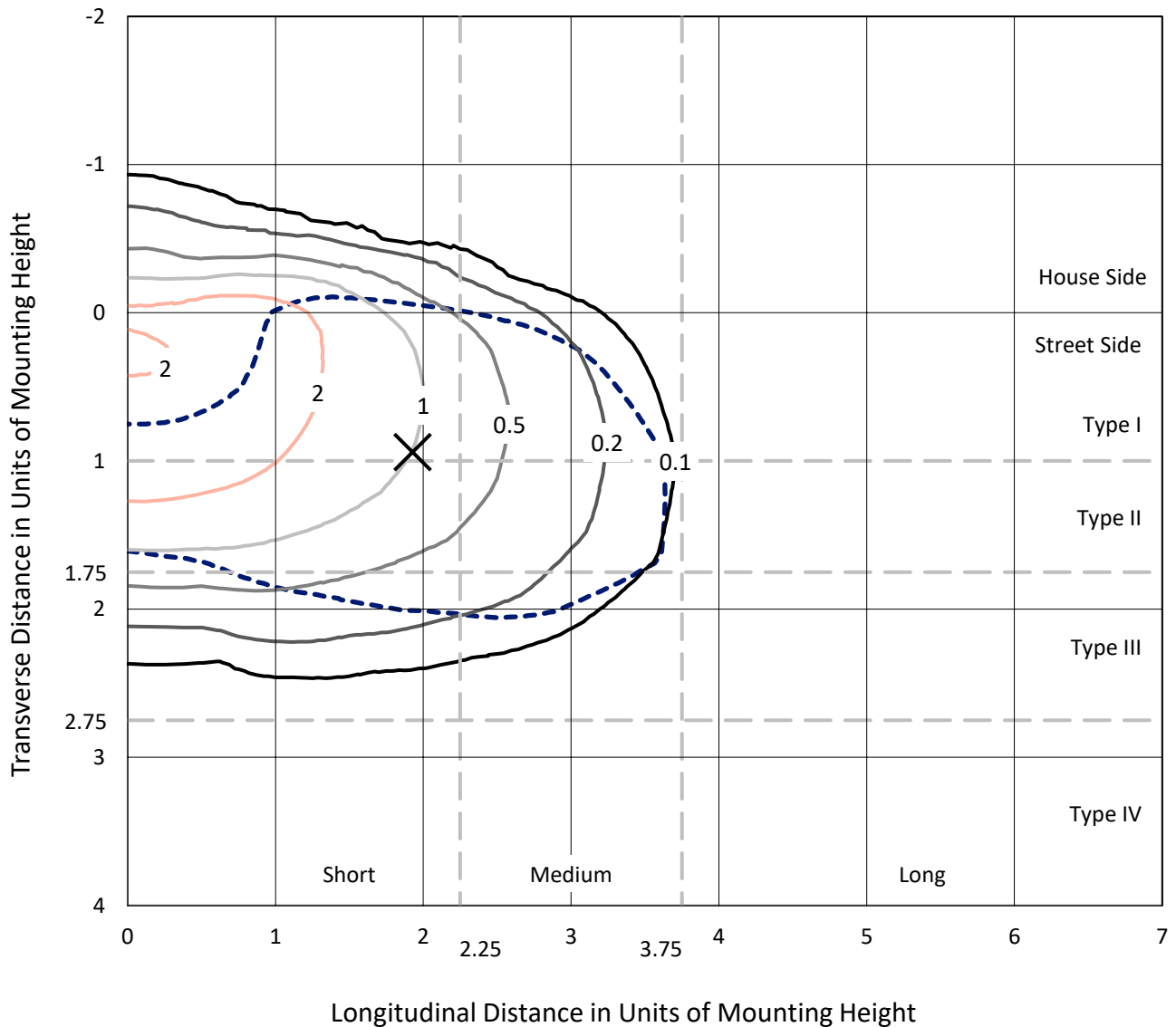
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

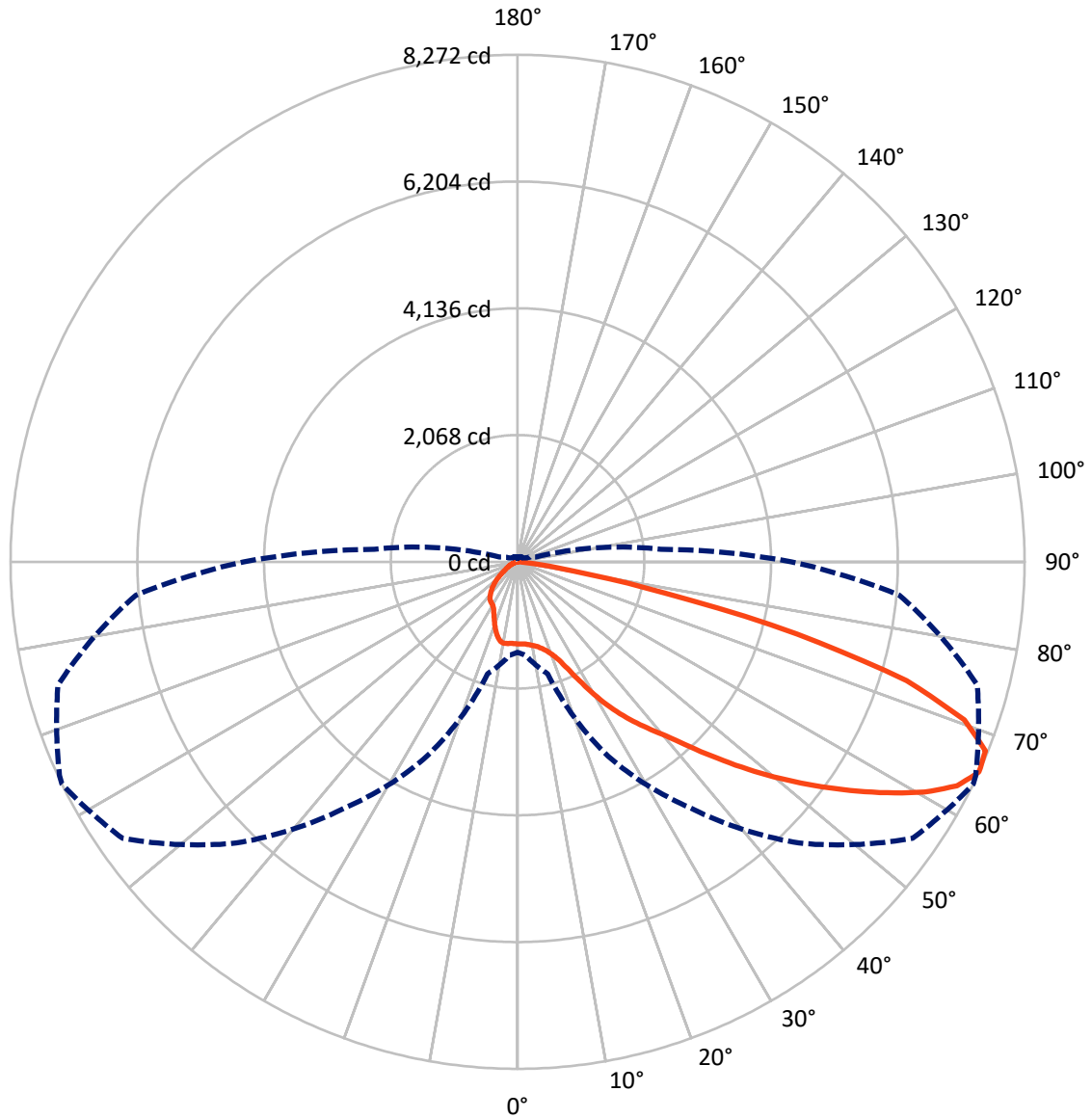
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1541.4	0.0	1541.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9984.6	0.0	9984.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	11526.0	0.0	11526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	1.1
10°-20°	335.5	2.9
20°-30°	635.7	5.5
30°-40°	1286.3	11.2
40°-50°	2191.2	19.0
50°-60°	2979.9	25.9
60°-70°	2798.3	24.3
70°-80°	1121.1	9.7
80°-90°	54.3	0.5
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°	11526.0	100.0
0°-180°	11526.0	100.0

Coefficient of Utilization



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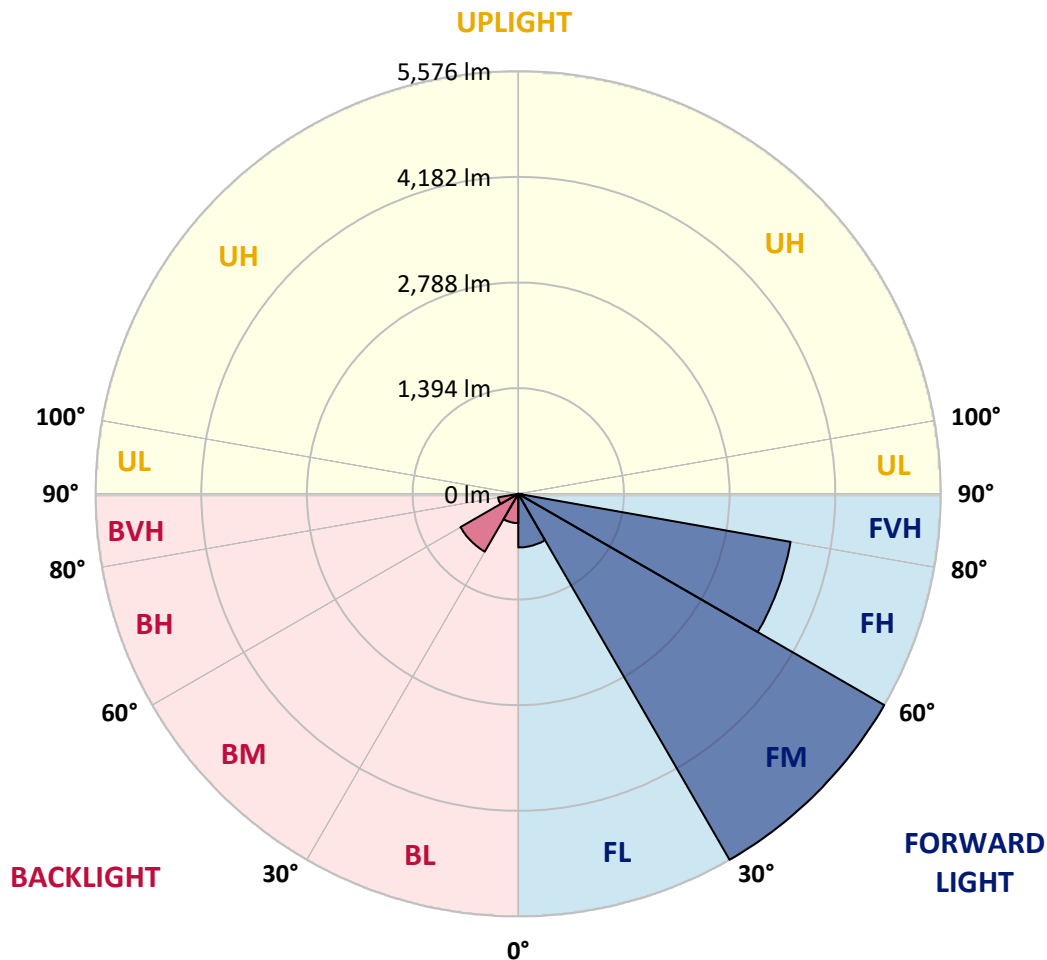
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.8	6.1			
FM (30°-60°)	5576.3	48.4			
FH (60°-80°)	3648.9	31.7			G2/5000
FVH (80°-90°)	51.7	0.4			G1/100
BL (0°-30°)	387.0	3.4	B1/500		
BM (30°-60°)	881.2	7.6	B1/1000		
BH (60°-80°)	270.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6
2.5°	1336.0	1345.2	1342.9	1340.6	1339.8	1341.4	1342.1	1341.4	1341.4	1341.4
5°	1310.5	1318.2	1318.2	1323.6	1331.3	1340.6	1347.5	1349.1	1350.6	1353.0
7.5°	1261.8	1268.0	1272.6	1290.4	1309.7	1334.4	1355.3	1366.1	1367.6	1376.1
10°	1228.6	1236.3	1244.0	1262.6	1290.4	1327.5	1363.0	1389.3	1393.1	1413.2
12.5°	1227.0	1234.7	1244.8	1264.9	1297.3	1336.7	1380.0	1417.9	1424.8	1454.2
15°	1243.2	1252.5	1261.8	1286.5	1321.3	1369.2	1415.5	1462.7	1469.6	1511.4
17.5°	1276.5	1288.8	1295.8	1320.5	1357.6	1410.9	1471.9	1526.0	1532.2	1580.9
20°	1342.1	1356.8	1359.1	1379.2	1415.5	1472.7	1545.4	1612.6	1620.3	1675.9
22.5°	1478.1	1499.0	1480.4	1490.5	1522.9	1580.1	1658.9	1743.9	1754.7	1818.1
25°	1717.7	1747.0	1699.1	1682.1	1696.0	1755.5	1854.4	1961.8	1974.2	2025.2
27.5°	2188.2	2150.4	2077.7	2006.6	1964.9	1998.9	2110.2	2243.1	2258.5	2308.0
30°	2705.1	2671.9	2573.8	2416.2	2317.3	2311.8	2414.6	2563.0	2580.7	2627.9
32.5°	3222.8	3191.2	3084.5	2890.6	2719.0	2634.1	2705.1	2869.7	2879.0	2909.1
35°	3732.0	3699.6	3592.9	3394.4	3183.4	2990.3	2976.3	3161.8	3164.9	3196.6
37.5°	4244.3	4217.3	4103.7	3909.0	3701.1	3434.5	3305.5	3438.4	3442.3	3473.2
40°	4609.8	4621.4	4543.3	4392.7	4214.2	3922.9	3674.8	3732.8	3709.6	3761.4
42.5°	4923.5	4946.7	4878.7	4803.0	4699.4	4442.9	4132.3	4122.2	4085.1	4113.0
45°	5194.7	5214.0	5153.0	5135.2	5132.9	4952.9	4632.2	4571.9	4520.2	4514.7
47.5°	5294.4	5331.5	5357.7	5417.2	5533.1	5457.4	5149.1	5055.6	4997.7	4955.2
50°	5332.2	5371.6	5461.3	5634.4	5908.7	5941.1	5663.7	5558.6	5487.5	5410.3
52.5°	5281.2	5351.6	5472.1	5763.4	6161.3	6329.0	6157.5	6065.5	5984.4	5858.4
55°	4980.7	5051.0	5297.5	5761.8	6287.3	6601.0	6624.2	6583.2	6492.0	6293.4
57.5°	4347.1	4451.4	4841.6	5565.6	6284.9	6835.1	7081.6	7110.9	7008.9	6724.6
60°	3469.3	3610.7	4086.7	5130.6	6091.0	6961.8	7482.6	7629.4	7521.2	7149.6
62.5°	2420.8	2584.6	3035.1	4449.1	5647.5	6870.6	7775.4	8046.7	7964.7	7529.7
65°	1476.6	1529.1	1892.3	3501.0	4893.4	6488.9	7865.8	8272.3	8245.2	7762.3
67.5°	983.6	1027.7	1132.0	2400.7	3798.5	5726.3	7649.5	8232.9	8240.6	7724.4
70°	592.6	630.5	698.5	1396.2	2461.7	4532.5	6979.6	7730.6	7775.4	7218.3
72.5°	244.2	269.7	331.5	632.8	1274.9	2876.7	5557.9	6637.3	6741.6	6069.4
75°	138.3	151.4	194.7	317.6	553.2	1340.6	3366.6	4711.8	4865.5	4183.3
77.5°	91.9	98.1	125.9	205.5	311.4	457.4	1438.7	2454.8	2748.4	2284.8
80°	61.8	67.2	86.5	137.5	202.4	196.3	458.2	909.4	1118.8	785.0
82.5°	41.7	42.5	61.8	90.4	128.3	95.0	135.2	282.8	355.4	227.2
85°	24.0	23.2	45.6	52.5	57.2	39.4	41.0	85.0	111.3	95.8
87.5°	3.1	4.6	17.8	13.9	7.7	8.5	8.5	14.7	21.6	23.2
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°
1340.6	0°	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6	1340.6
1342.1	2.5°	1342.1	1341.4	1339.0	1336.7	1331.3	1328.2	1329.8	1328.2	1327.5	1328.2
1352.2	5°	1352.2	1349.9	1343.7	1336.0	1325.1	1312.0	1303.5	1291.1	1279.6	1272.6
1379.2	7.5°	1379.2	1376.9	1368.4	1346.8	1312.0	1257.1	1206.9	1162.9	1129.7	1110.3
1422.5	10°	1422.5	1418.6	1405.5	1357.6	1266.4	1146.7	1047.0	964.3	910.2	884.7
1473.5	12.5°	1473.5	1468.9	1445.7	1347.5	1179.9	992.9	855.4	763.4	713.2	690.8
1532.2	15°	1533.8	1527.6	1482.0	1299.6	1053.9	822.9	697.0	628.2	595.7	575.6
1607.2	17.5°	1608.7	1597.9	1509.0	1227.8	917.2	693.1	599.6	547.8	519.2	499.9
1705.3	20°	1706.1	1688.3	1530.7	1142.0	791.2	611.2	533.9	490.6	469.0	452.0
1844.4	22.5°	1842.1	1816.6	1556.9	1049.3	702.4	554.8	485.2	453.6	435.8	416.5
2038.3	25°	2010.5	1980.4	1589.4	963.5	641.3	506.1	449.7	423.4	402.6	380.2
2292.5	27.5°	2246.2	2192.1	1628.0	893.2	588.8	464.4	417.2	387.9	363.9	345.4
2580.7	30°	2508.9	2420.0	1662.0	850.7	540.9	425.7	374.7	345.4	323.0	309.8
2839.6	32.5°	2757.7	2637.1	1684.4	832.2	497.6	381.7	328.4	296.7	279.7	275.8
3093.0	35°	2992.6	2833.4	1682.1	814.4	459.0	337.7	282.8	250.3	237.2	239.5
3365.8	37.5°	3263.0	3042.8	1665.9	786.6	427.3	297.5	243.4	214.8	203.2	204.0
3697.3	40°	3577.5	3284.6	1655.8	734.0	392.5	260.4	210.9	187.8	179.3	176.2
4046.5	42.5°	3912.8	3518.8	1657.4	674.5	349.2	227.2	188.5	169.2	161.5	159.2
4435.2	45°	4249.7	3742.1	1659.7	612.7	303.7	201.7	172.3	156.1	151.4	148.4
4829.2	47.5°	4566.5	3932.1	1616.4	546.3	258.8	182.4	159.2	148.4	144.5	140.6
5224.8	50°	4861.7	4058.9	1512.1	469.0	223.3	166.9	149.1	141.4	137.5	133.7
5583.4	52.5°	5091.2	4079.0	1339.8	389.4	198.6	155.3	142.9	136.0	131.4	127.5
5873.1	55°	5193.2	3953.0	1094.9	315.3	179.3	145.3	136.8	129.8	124.4	120.5
6101.1	57.5°	5166.9	3688.0	853.8	253.4	160.7	135.2	129.0	124.4	118.2	112.0
6285.7	60°	5037.8	3333.3	643.6	210.9	143.7	124.4	120.5	116.7	108.2	98.9
6356.8	62.5°	4814.5	2887.5	459.0	174.6	125.2	112.0	110.5	107.4	95.0	78.0
6251.7	65°	4473.0	2345.8	309.1	145.3	107.4	98.1	98.9	93.5	77.3	58.0
5866.9	67.5°	3973.9	1715.3	197.8	119.0	89.6	81.9	82.7	79.6	65.7	49.5
5137.5	70°	3338.0	1135.8	129.0	90.4	71.9	63.4	68.0	68.8	55.6	40.2
3943.0	72.5°	2447.1	670.7	90.4	67.2	52.5	44.0	55.6	57.2	44.8	30.1
2372.1	75°	1394.7	318.3	68.0	48.7	32.5	30.9	43.3	43.3	30.9	20.1
1026.9	77.5°	585.7	132.9	47.9	31.7	18.5	17.8	29.4	27.0	15.5	9.3
250.3	80°	169.2	59.5	25.5	15.5	7.7	7.0	11.6	8.5	3.9	1.5
95.0	82.5°	66.5	26.3	10.0	6.2	3.1	3.1	1.5	0.0	0.0	0.0
54.1	85°	39.4	10.8	4.6	2.3	0.8	0.0	0.0	0.0	0.0	0.0
11.6	87.5°	10.0	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
1340.6
1331.3
1274.1
1111.1
882.4
688.5
576.4
498.4
448.9
413.4
377.8
341.5
307.5
278.2
239.5
207.1
175.4
158.4
148.4
140.6
133.7
126.7
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