

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: P852256

Luminaire Tested: **GLAN-SB2C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10954 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

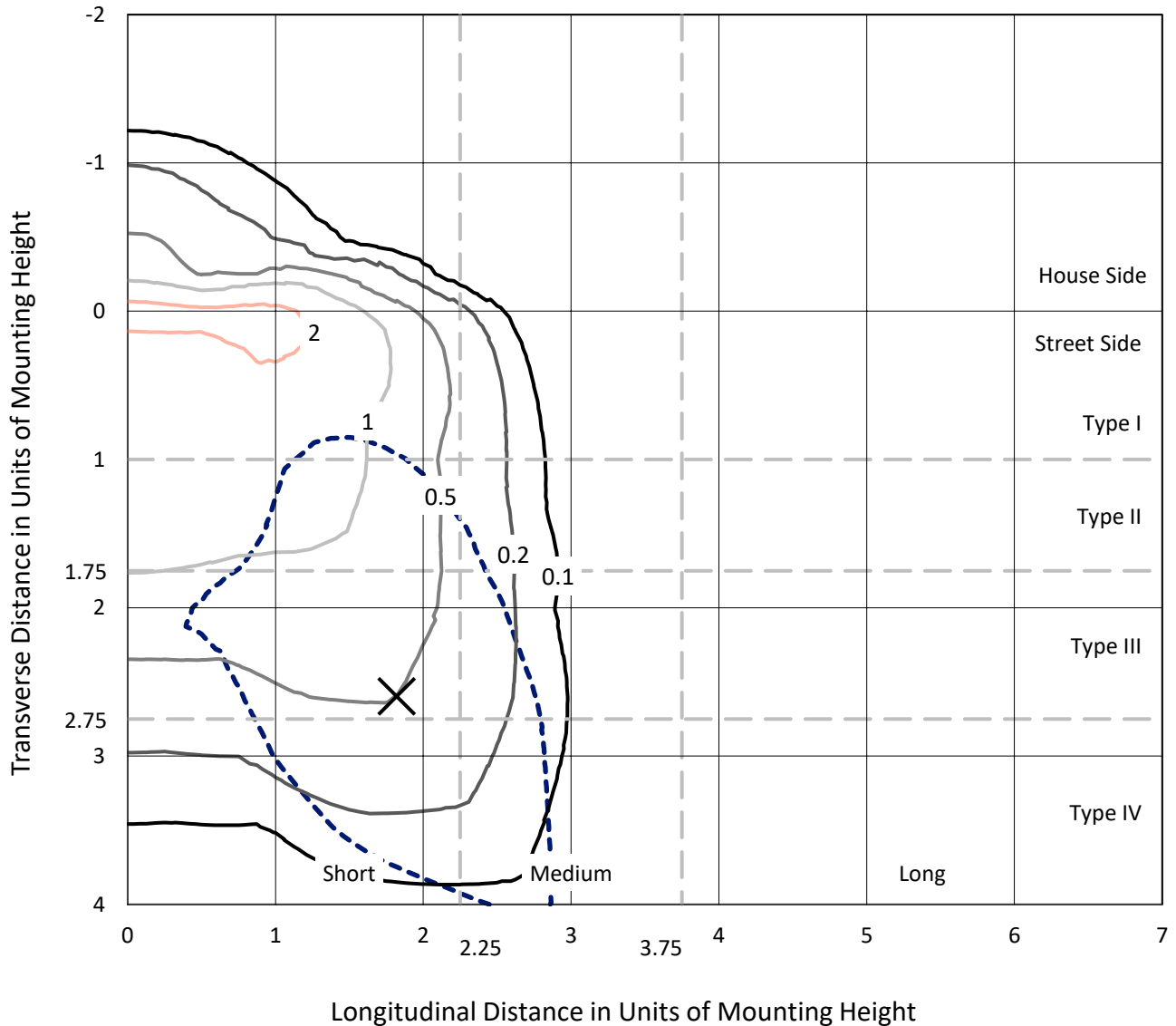
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

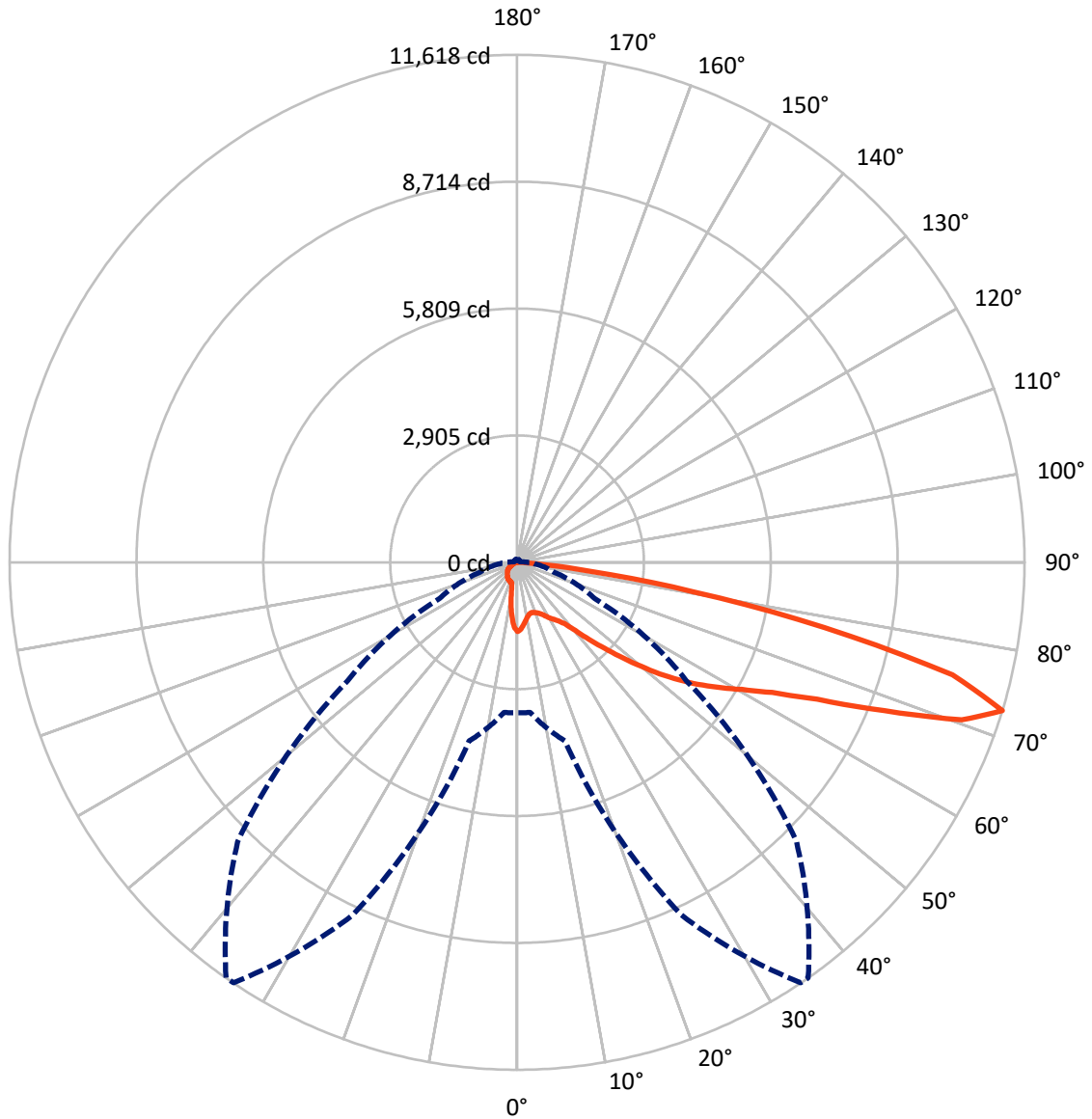
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1232.8	0.0	1232.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9721.2	0.0	9721.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	10954.0	0.0	10954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	1.2
10°-20°	305.2	2.8
20°-30°	495.8	4.5
30°-40°	827.2	7.6
40°-50°	1565.1	14.3
50°-60°	2486.9	22.7
60°-70°	3076.5	28.1
70°-80°	1912.4	17.5
80°-90°	154.5	1.4
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°	10954.0	100.0
0°-180°	10954.0	100.0

Coefficient of Utilization



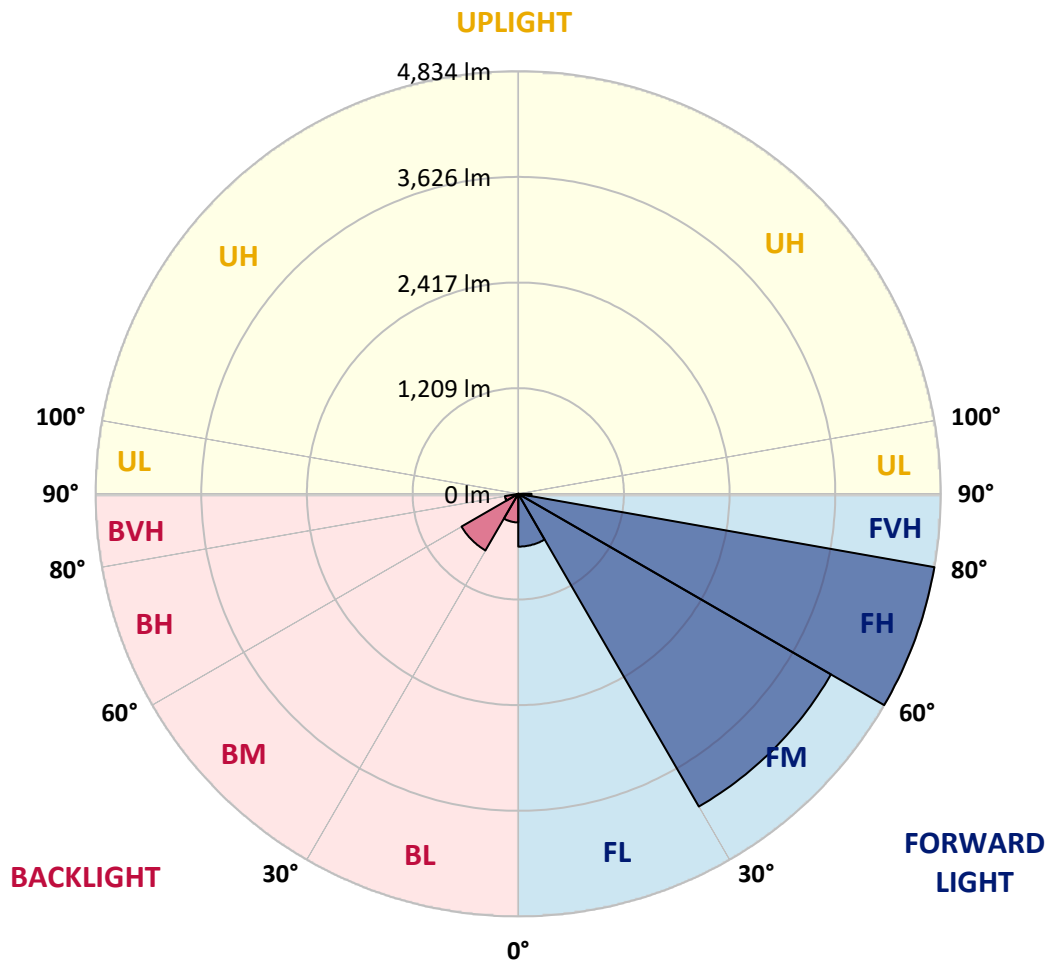
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	603.8	5.5			
FM (30°-60°)	4130.7	37.7			
FH (60°-80°)	4834.1	44.1			G2/5000
FVH (80°-90°)	152.4	1.4			G2/225
BL (0°-30°)	327.6	3.0	B1/500		
BM (30°-60°)	748.4	6.8	B1/1000		
BH (60°-80°)	154.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1517.0	1529.8	1532.2	1536.2	1536.2	1541.0	1549.1	1560.3	1578.8	1588.4
5°	1398.2	1407.8	1419.9	1429.5	1447.9	1450.4	1481.7	1512.2	1554.7	1586.8
7.5°	1278.6	1289.8	1305.9	1329.2	1353.2	1360.5	1407.8	1459.2	1526.6	1586.8
10°	1194.3	1195.1	1209.6	1232.8	1271.4	1280.2	1338.0	1411.0	1495.3	1577.2
12.5°	1147.0	1152.6	1159.0	1176.7	1213.6	1219.2	1281.0	1366.9	1464.0	1571.5
15°	1147.0	1151.0	1155.0	1163.8	1193.5	1198.3	1252.9	1338.8	1447.9	1574.0
17.5°	1159.0	1165.4	1162.2	1172.6	1203.9	1207.2	1255.3	1330.8	1447.1	1589.2
20°	1187.9	1192.7	1186.3	1192.7	1224.0	1230.4	1280.2	1346.0	1460.8	1615.7
22.5°	1233.6	1236.0	1220.8	1225.6	1257.7	1265.7	1323.5	1389.4	1493.7	1658.2
25°	1291.4	1296.2	1273.0	1278.6	1309.1	1318.7	1385.3	1454.4	1545.9	1716.8
27.5°	1358.0	1360.5	1340.4	1339.6	1378.9	1392.6	1460.0	1534.6	1615.7	1790.7
30°	1434.3	1441.5	1422.3	1419.0	1468.8	1480.0	1546.7	1633.4	1718.4	1901.4
32.5°	1494.5	1500.1	1488.9	1496.9	1547.5	1556.3	1651.8	1773.0	1879.8	2058.7
35°	1581.2	1584.4	1558.7	1573.2	1630.9	1653.4	1795.5	1968.9	2082.8	2256.2
37.5°	1895.0	1895.0	1785.9	1714.4	1769.8	1789.9	1992.1	2215.3	2333.2	2521.1
40°	2329.2	2322.0	2162.3	2016.2	2009.0	2048.3	2272.2	2525.9	2656.7	2838.9
42.5°	2792.3	2781.1	2563.6	2419.1	2395.0	2408.7	2595.7	2908.7	3042.0	3226.6
45°	3203.3	3200.1	3001.0	2806.8	2763.5	2806.8	2999.4	3356.6	3452.1	3646.3
47.5°	3547.6	3547.6	3402.3	3275.5	3253.1	3278.7	3546.0	3853.4	3844.6	4093.4
50°	3944.1	3940.9	3802.9	3748.3	3771.6	3807.7	4175.3	4376.7	4250.7	4532.5
52.5°	4221.8	4241.1	4193.7	4184.9	4303.7	4366.3	4814.2	4888.8	4614.3	4949.0
55°	4441.8	4464.2	4518.8	4580.6	4809.4	4891.2	5433.0	5374.4	4918.5	5310.2
57.5°	4753.2	4721.1	4805.3	4927.3	5297.4	5396.1	6032.6	5832.7	5163.3	5603.2
60°	5131.2	5136.0	5150.5	5304.6	5784.6	5911.4	6623.3	6266.1	5320.6	5782.9
62.5°	5585.5	5592.7	5622.4	5859.2	6438.7	6558.3	7252.6	6620.9	5392.9	5732.4
65°	5554.2	5584.7	5916.2	6726.0	7433.2	7551.1	7987.0	6869.7	5283.7	5270.1
67.5°	5059.8	5109.5	5664.2	7761.4	8932.5	9064.1	8874.7	6918.7	4812.6	4098.2
70°	4411.3	4428.9	5095.9	8692.5	10668.6	10801.8	9669.3	6380.1	3652.0	2285.9
72.5°	3444.9	3448.9	4231.5	8908.4	11610.8	11618.1	9045.6	4736.3	1964.0	878.1
75°	2460.9	2436.8	2834.1	7224.5	10215.1	10296.9	6781.4	2221.7	750.5	415.0
77.5°	1319.5	1346.0	1603.7	4284.4	7056.7	7196.4	3700.1	640.5	382.1	282.5
80°	407.7	430.2	657.4	1961.6	3997.1	4081.4	1371.7	284.9	266.5	201.5
82.5°	128.4	133.2	306.6	824.3	1659.0	1697.6	397.3	161.3	182.2	133.2
85°	36.9	37.7	136.4	307.4	410.1	418.2	111.6	62.6	104.3	82.7
87.5°	4.0	12.8	51.4	51.4	36.1	35.3	12.0	13.6	29.7	10.4
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°
1587.6	0°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
1594.8	2.5°	1590.8	1591.6	1581.2	1563.5	1544.3	1528.2	1508.1	1492.1	1480.9	1477.6
1609.3	5°	1602.0	1596.4	1566.7	1513.0	1448.7	1393.4	1331.6	1282.6	1250.5	1236.9
1624.5	7.5°	1618.9	1602.9	1537.8	1431.9	1309.1	1199.9	1089.2	1003.3	948.7	921.4
1639.0	10°	1633.4	1601.2	1489.7	1314.7	1126.9	961.6	812.3	708.7	650.9	623.6
1655.8	12.5°	1647.0	1600.4	1427.1	1175.9	921.4	719.2	580.3	528.9	512.9	507.3
1683.1	15°	1672.7	1602.9	1348.4	1016.9	716.7	543.4	492.8	492.0	495.2	493.6
1724.9	17.5°	1708.0	1605.3	1259.3	848.4	553.0	479.2	476.8	484.0	488.8	486.4
1777.0	20°	1753.7	1614.9	1164.6	681.4	475.2	463.1	468.7	475.2	479.2	475.2
1846.9	22.5°	1818.0	1631.7	1061.1	547.4	450.3	453.5	458.3	465.5	469.5	463.9
1935.9	25°	1896.6	1658.2	959.1	476.0	438.2	442.2	449.5	457.5	462.3	456.7
2048.3	27.5°	1998.5	1700.8	865.2	459.9	426.2	428.6	439.0	451.1	457.5	450.3
2208.0	30°	2146.2	1770.6	784.2	467.1	419.0	413.4	427.8	444.7	451.9	445.5
2425.5	32.5°	2342.1	1869.3	734.4	478.4	415.8	395.7	409.3	431.0	443.1	439.0
2709.7	35°	2598.9	2019.4	715.1	491.2	413.4	377.2	386.9	410.1	431.0	435.0
3067.7	37.5°	2910.3	2228.1	720.8	496.8	406.1	362.0	366.8	386.9	414.2	427.0
3470.6	40°	3264.3	2471.3	752.9	491.2	398.1	349.1	349.9	365.2	389.3	408.5
3904.0	42.5°	3629.5	2755.4	812.3	470.3	390.9	337.9	335.5	345.9	362.0	375.6
4336.6	45°	3977.0	3047.6	870.9	441.4	382.1	326.7	321.1	325.1	328.3	333.9
4758.0	47.5°	4280.4	3253.1	854.0	415.0	370.0	313.8	304.2	302.6	293.0	292.2
5134.4	50°	4489.9	3298.0	758.5	388.5	352.4	299.4	284.1	274.5	257.6	249.6
5416.1	52.5°	4556.5	3120.6	619.6	362.0	323.5	280.1	258.4	243.2	222.3	215.1
5578.3	55°	4468.2	2773.1	495.2	329.9	283.3	254.4	230.4	210.3	193.4	184.6
5595.9	57.5°	4252.3	2330.8	391.7	292.2	240.8	225.5	201.5	181.4	166.9	158.1
5400.1	60°	3894.4	1850.9	309.8	247.2	205.5	194.2	169.4	156.5	143.7	133.2
4894.4	62.5°	3351.0	1321.1	243.2	195.8	171.8	158.9	144.5	134.8	119.6	105.1
3985.1	65°	2615.0	808.2	187.8	143.7	138.1	131.6	122.8	114.0	95.5	81.1
2599.7	67.5°	1649.4	382.9	134.0	108.4	109.2	105.9	101.9	94.7	81.1	68.2
1164.6	70°	726.4	185.4	88.3	82.7	81.1	81.1	84.3	81.9	69.0	57.0
404.5	72.5°	247.2	99.5	65.8	62.6	58.6	57.8	70.6	68.2	55.4	44.1
201.5	75°	129.2	66.6	48.2	44.9	35.3	42.5	56.2	53.0	39.3	28.9
133.2	77.5°	84.3	47.4	32.9	28.9	20.1	28.1	41.7	36.9	23.3	14.4
87.5	80°	53.0	31.3	19.3	13.6	9.6	15.2	22.5	16.1	8.8	3.2
51.4	82.5°	28.1	16.1	7.2	4.8	4.0	4.8	5.6	4.0	1.6	0.0
26.5	85°	11.2	5.6	2.4	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.8	87.5°	4.0	0.8	0.0	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

180°
1587.6
1483.3
1241.7
925.4
624.4
505.7
492.8
485.6
474.4
463.1
455.9
450.3
444.7
439.0
435.0
430.2
415.0
381.2
337.1
291.4
250.4
214.3
184.6
156.5
130.8
102.7
78.7
66.6
54.6
41.7
26.5
12.8
2.4
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