

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: P852272

Luminaire Tested: **GLAN-SB2C-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852272
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-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 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: 10084 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

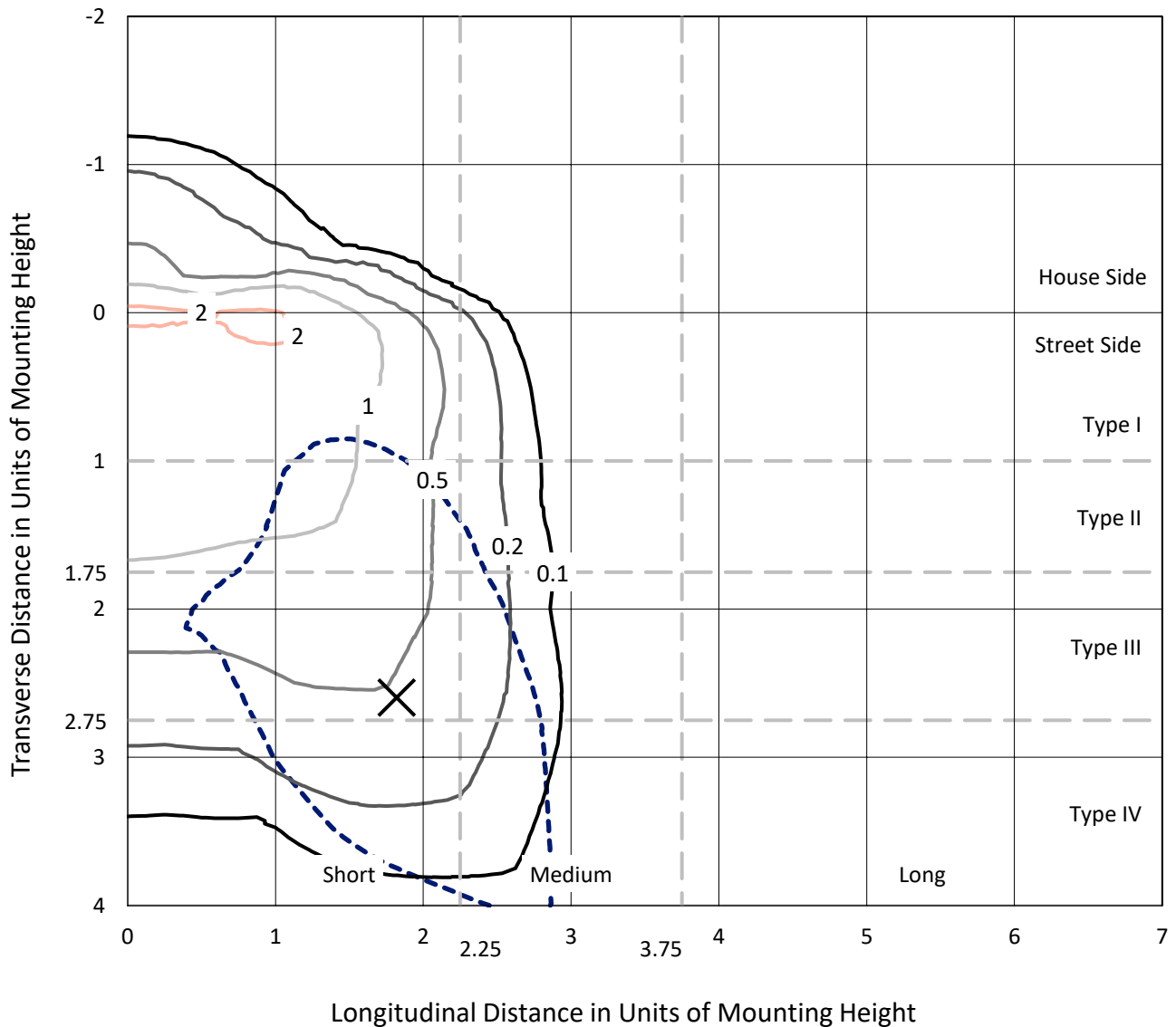
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

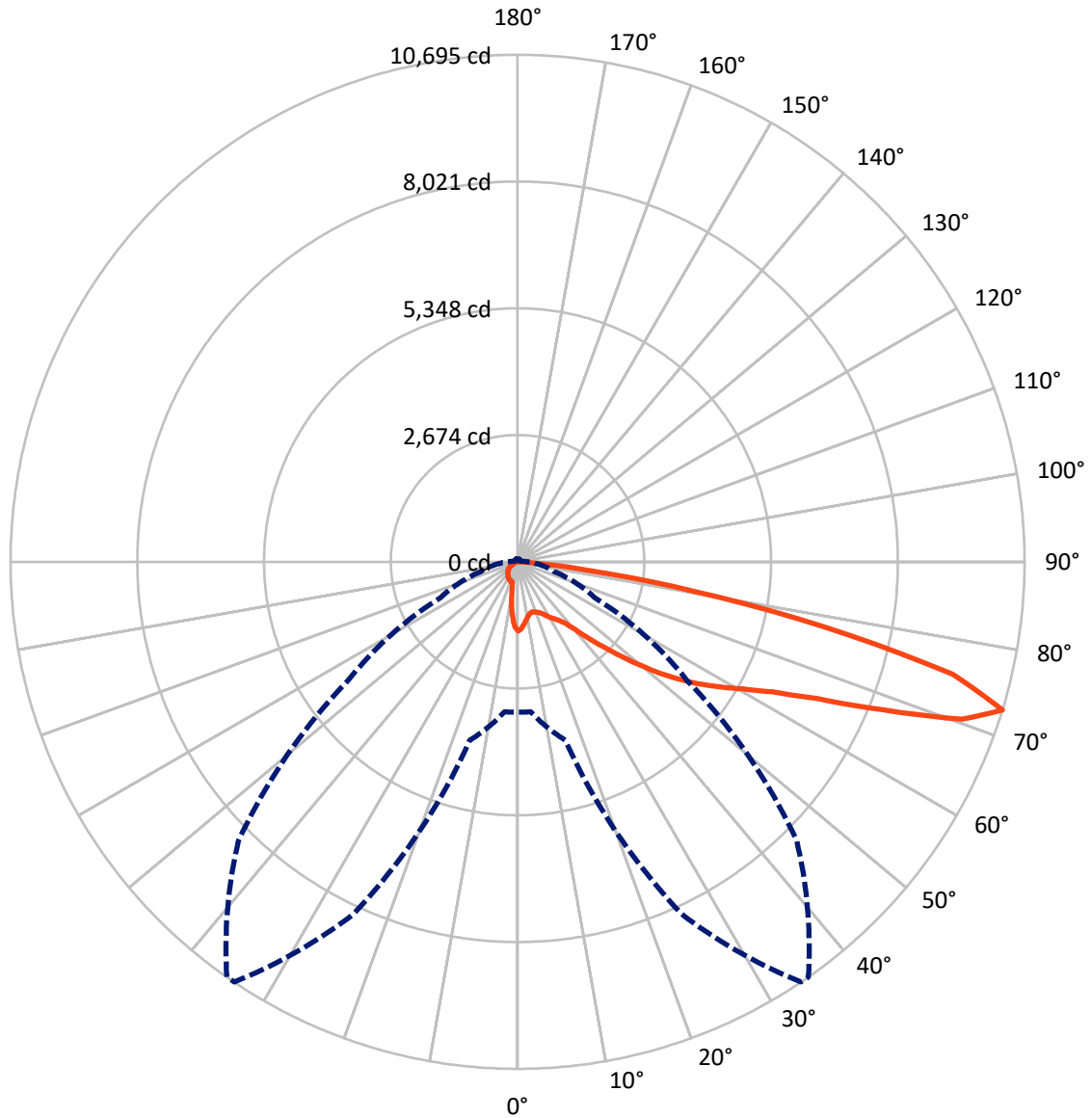
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	1134.9	0.0	1134.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8949.1	0.0	8949.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	10084.0	0.0	10084.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	1.2
10°-20°	281.0	2.8
20°-30°	456.4	4.5
30°-40°	761.5	7.6
40°-50°	1440.8	14.3
50°-60°	2289.4	22.7
60°-70°	2832.1	28.1
70°-80°	1760.5	17.5
80°-90°	142.3	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°	10084.0	100.0
0°-180°	10084.0	100.0

Coefficient of Utilization

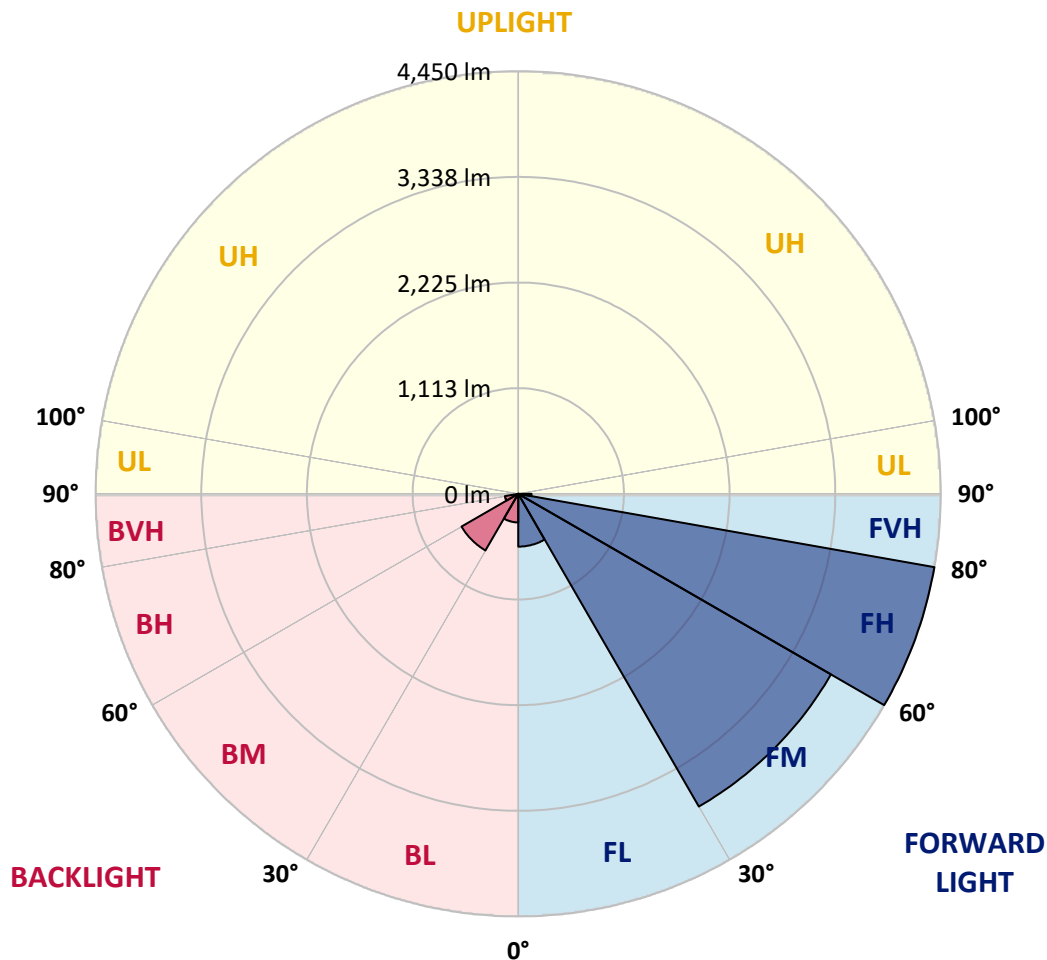


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.9	5.5			
FM (30°-60°)	3802.7	37.7			
FH (60°-80°)	4450.2	44.1			G2/5000
FVH (80°-90°)	140.3	1.4			G2/225
BL (0°-30°)	301.6	3.0	B1/500		
BM (30°-60°)	689.0	6.8	B1/1000		
BH (60°-80°)	142.4	1.4	B1/500		G1/500
BVH (80°-90°)	1.9	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°	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5
2.5°	1396.5	1408.3	1410.5	1414.2	1414.2	1418.7	1426.0	1436.4	1453.4	1462.2
5°	1287.1	1296.0	1307.1	1315.9	1332.9	1335.2	1364.0	1392.1	1431.2	1460.8
7.5°	1177.0	1187.4	1202.2	1223.6	1245.8	1252.4	1296.0	1343.3	1405.4	1460.8
10°	1099.5	1100.2	1113.5	1134.9	1170.4	1178.5	1231.7	1299.0	1376.5	1451.9
12.5°	1055.9	1061.0	1066.9	1083.2	1117.2	1122.4	1179.3	1258.3	1347.7	1446.7
15°	1055.9	1059.6	1063.3	1071.4	1098.7	1103.2	1153.4	1232.5	1332.9	1448.9
17.5°	1066.9	1072.9	1069.9	1079.5	1108.3	1111.3	1155.6	1225.1	1332.2	1463.0
20°	1093.5	1098.0	1092.1	1098.0	1126.8	1132.7	1178.5	1239.1	1344.8	1487.4
22.5°	1135.7	1137.9	1123.8	1128.3	1157.8	1165.2	1218.4	1279.0	1375.1	1526.5
25°	1188.9	1193.3	1171.9	1177.0	1205.1	1214.0	1275.3	1338.9	1423.1	1580.5
27.5°	1250.2	1252.4	1233.9	1233.2	1269.4	1282.0	1344.0	1412.7	1487.4	1648.4
30°	1320.4	1327.0	1309.3	1306.3	1352.2	1362.5	1423.8	1503.6	1581.9	1750.4
32.5°	1375.8	1381.0	1370.6	1378.0	1424.6	1432.7	1520.6	1632.2	1730.5	1895.2
35°	1455.6	1458.6	1434.9	1448.2	1501.4	1522.1	1652.9	1812.5	1917.4	2077.0
37.5°	1744.5	1744.5	1644.0	1578.3	1629.2	1647.7	1833.9	2039.3	2147.9	2320.8
40°	2144.2	2137.6	1990.5	1856.1	1849.4	1885.6	2091.8	2325.3	2445.7	2613.4
42.5°	2570.6	2560.2	2360.0	2227.0	2204.8	2217.4	2389.5	2677.7	2800.4	2970.3
45°	2948.9	2945.9	2762.7	2583.9	2544.0	2583.9	2761.2	3090.0	3177.9	3356.7
47.5°	3265.9	3265.9	3132.1	3015.4	2994.7	3018.3	3264.4	3547.4	3539.2	3768.3
50°	3630.9	3627.9	3500.8	3450.6	3472.0	3505.3	3843.7	4029.1	3913.1	4172.5
52.5°	3886.5	3904.3	3860.7	3852.5	3961.9	4019.5	4431.8	4500.5	4247.8	4555.9
55°	4089.0	4109.7	4159.9	4216.8	4427.4	4502.8	5001.5	4947.6	4527.9	4888.4
57.5°	4375.7	4346.1	4423.7	4536.0	4876.6	4967.5	5553.4	5369.5	4753.2	5158.1
60°	4723.7	4728.1	4741.4	4883.3	5325.1	5441.9	6097.3	5768.5	4898.1	5323.6
62.5°	5141.9	5148.5	5175.9	5393.8	5927.3	6037.4	6676.5	6095.0	4964.6	5277.1
65°	5113.1	5141.1	5446.3	6191.8	6842.8	6951.4	7352.6	6324.1	4864.1	4851.5
67.5°	4657.9	4703.7	5214.3	7145.0	8223.0	8344.2	8169.8	6369.2	4430.3	3772.7
70°	4060.9	4077.2	4691.2	8002.1	9821.2	9943.9	8901.3	5873.4	3361.9	2104.3
72.5°	3171.3	3175.0	3895.4	8200.9	10688.7	10695.3	8327.2	4360.1	1808.0	808.3
75°	2265.4	2243.2	2609.0	6650.7	9403.8	9479.1	6242.8	2045.2	690.9	382.0
77.5°	1214.7	1239.1	1476.3	3944.2	6496.3	6624.8	3406.2	589.6	351.7	260.1
80°	375.4	396.0	605.1	1805.8	3679.6	3757.2	1262.8	262.3	245.3	185.5
82.5°	118.2	122.7	282.3	758.8	1527.3	1562.7	365.7	148.5	167.7	122.7
85°	34.0	34.7	125.6	283.0	377.6	385.0	102.7	57.6	96.1	76.1
87.5°	3.7	11.8	47.3	47.3	33.2	32.5	11.1	12.6	27.3	9.6
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°
1461.5	0°	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5	1461.5
1468.2	2.5°	1464.5	1465.2	1455.6	1439.3	1421.6	1406.8	1388.4	1373.6	1363.2	1360.3
1481.5	5°	1474.8	1469.6	1442.3	1392.8	1333.7	1282.7	1225.8	1180.7	1151.2	1138.6
1495.5	7.5°	1490.3	1475.5	1415.7	1318.2	1205.1	1104.6	1002.7	923.6	873.4	848.2
1508.8	10°	1503.6	1474.1	1371.4	1210.3	1037.4	885.2	747.7	652.4	599.2	574.1
1524.3	12.5°	1516.2	1473.3	1313.7	1082.5	848.2	662.0	534.2	486.9	472.1	467.0
1549.4	15°	1539.8	1475.5	1241.3	936.2	659.8	500.2	453.7	452.9	455.9	454.4
1587.9	17.5°	1572.3	1477.8	1159.3	781.0	509.1	441.1	438.9	445.5	450.0	447.8
1635.9	20°	1614.5	1486.6	1072.1	627.3	437.4	426.3	431.5	437.4	441.1	437.4
1700.2	22.5°	1673.6	1502.1	976.8	503.9	414.5	417.5	421.9	428.6	432.2	427.1
1782.2	25°	1746.0	1526.5	883.0	438.2	403.4	407.1	413.8	421.2	425.6	420.4
1885.6	27.5°	1839.8	1565.7	796.5	423.4	392.3	394.6	404.2	415.3	421.2	414.5
2032.7	30°	1975.8	1630.0	721.9	430.0	385.7	380.5	393.8	409.3	416.0	410.1
2232.9	32.5°	2156.1	1720.9	676.1	440.4	382.7	364.3	376.8	396.8	407.9	404.2
2494.5	35°	2392.5	1859.0	658.3	452.2	380.5	347.3	356.1	377.6	396.8	400.5
2824.0	37.5°	2679.2	2051.1	663.5	457.4	373.9	333.2	337.7	356.1	381.3	393.1
3194.9	40°	3005.0	2275.0	693.1	452.2	366.5	321.4	322.2	336.2	358.4	376.1
3593.9	42.5°	3341.2	2536.6	747.7	433.0	359.8	311.1	308.9	318.5	333.2	345.8
3992.2	45°	3661.2	2805.5	801.7	406.4	351.7	300.7	295.6	299.2	302.2	307.4
4380.1	47.5°	3940.5	2994.7	786.2	382.0	340.6	288.9	280.0	278.6	269.7	269.0
4726.6	50°	4133.3	3036.1	698.2	357.6	324.4	275.6	261.6	252.7	237.2	229.8
4986.0	52.5°	4194.6	2872.8	570.4	333.2	297.8	257.9	237.9	223.9	204.7	198.0
5135.2	55°	4113.4	2552.8	455.9	303.7	260.8	234.2	212.1	193.6	178.1	169.9
5151.5	57.5°	3914.6	2145.7	360.6	269.0	221.7	207.6	185.5	167.0	153.7	145.6
4971.2	60°	3585.1	1703.9	285.2	227.6	189.2	178.8	155.9	144.1	132.3	122.7
4505.7	62.5°	3084.8	1216.2	223.9	180.3	158.1	146.3	133.0	124.1	110.1	96.8
3668.6	65°	2407.3	744.1	172.9	132.3	127.1	121.2	113.0	104.9	87.9	74.6
2393.2	67.5°	1518.4	352.4	123.4	99.7	100.5	97.5	93.8	87.2	74.6	62.8
1072.1	70°	668.7	170.7	81.3	76.1	74.6	74.6	77.6	75.4	63.5	52.5
372.4	72.5°	227.6	91.6	60.6	57.6	53.9	53.2	65.0	62.8	51.0	40.6
185.5	75°	119.0	61.3	44.3	41.4	32.5	39.2	51.7	48.8	36.2	26.6
122.7	77.5°	77.6	43.6	30.3	26.6	18.5	25.9	38.4	34.0	21.4	13.3
80.5	80°	48.8	28.8	17.7	12.6	8.9	14.0	20.7	14.8	8.1	3.0
47.3	82.5°	25.9	14.8	6.6	4.4	3.7	4.4	5.2	3.7	1.5	0.0
24.4	85°	10.3	5.2	2.2	1.5	0.7	0.0	1.5	0.7	0.0	0.0
4.4	87.5°	3.7	0.7	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°
1461.5
1365.5
1143.1
851.9
574.9
465.5
453.7
447.0
436.7
426.3
419.7
414.5
409.3
404.2
400.5
396.0
382.0
351.0
310.3
268.2
230.5
197.3
169.9
144.1
120.4
94.6
72.4
61.3
50.2
38.4
24.4
11.8
2.2
0.0
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0.0
0.0

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