

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: P846817

Luminaire Tested: **GLAN-SB2C-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846817
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-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 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: 10446 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

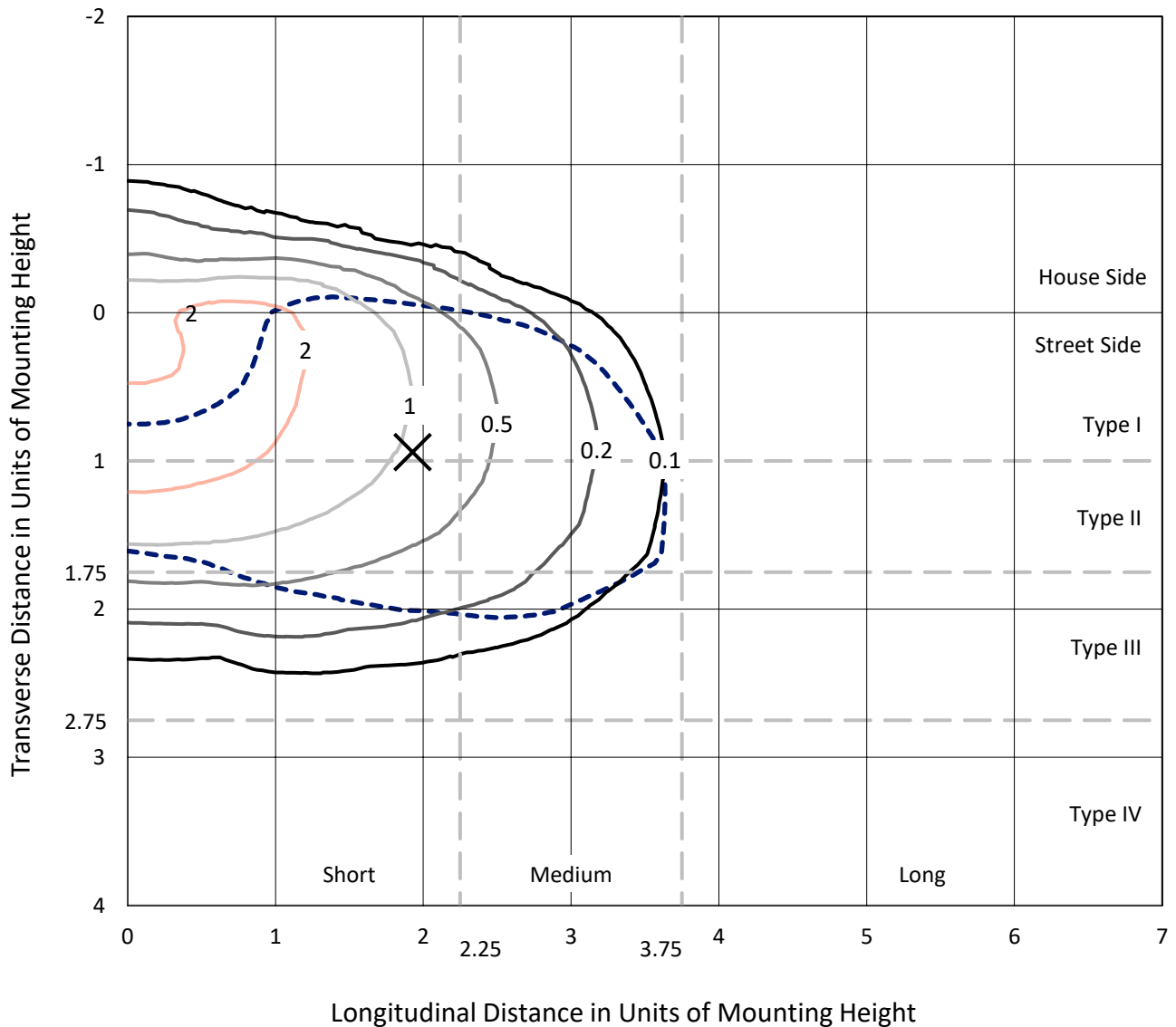
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

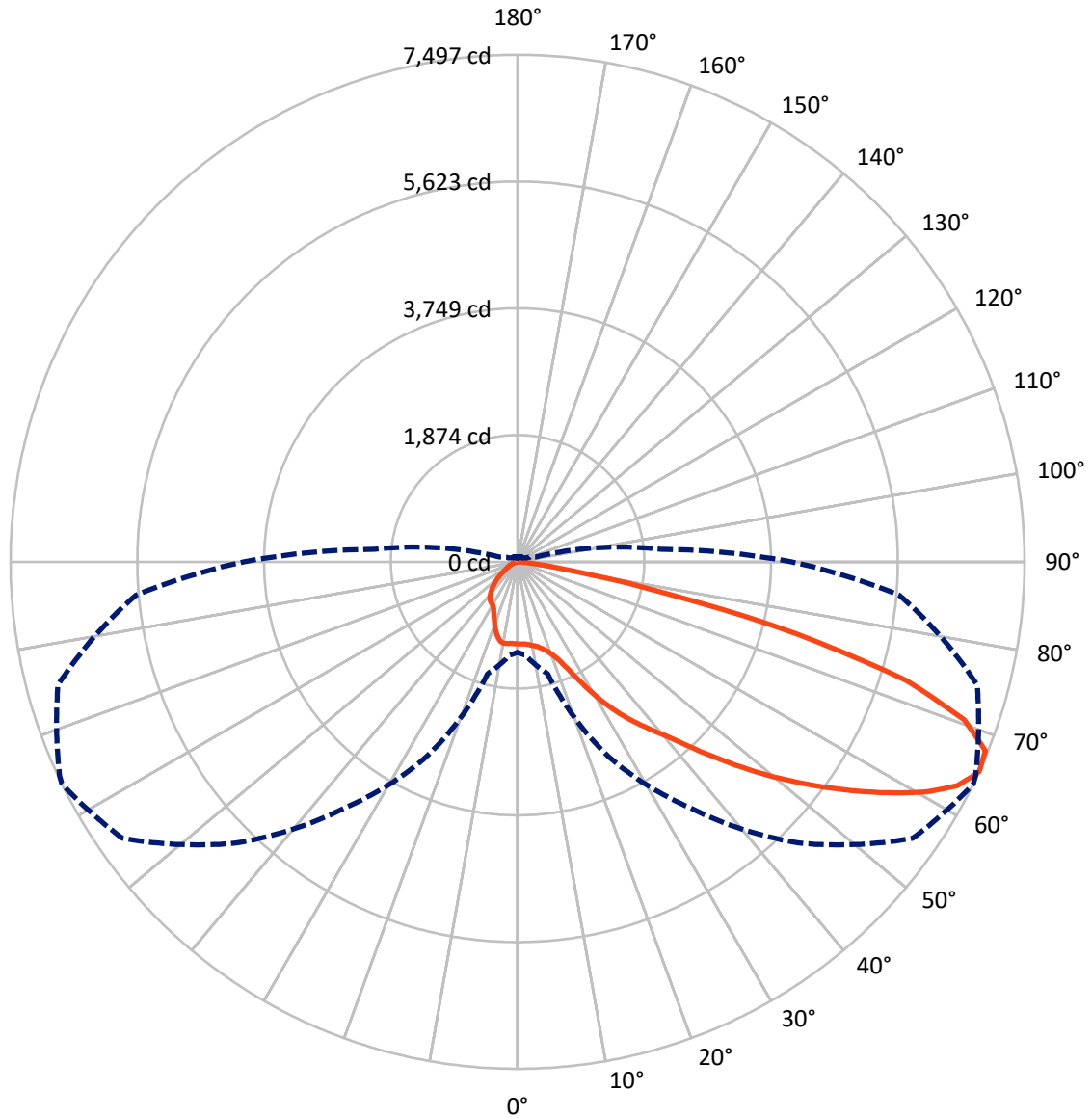
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	1396.9	0.0	1396.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9049.0	0.0	9049.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	10446.0	0.0	10446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	1.1
10°-20°	304.0	2.9
20°-30°	576.1	5.5
30°-40°	1165.8	11.2
40°-50°	1985.9	19.0
50°-60°	2700.7	25.9
60°-70°	2536.1	24.3
70°-80°	1016.1	9.7
80°-90°	49.2	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°	10446.0	100.0
0°-180°	10446.0	100.0

Coefficient of Utilization



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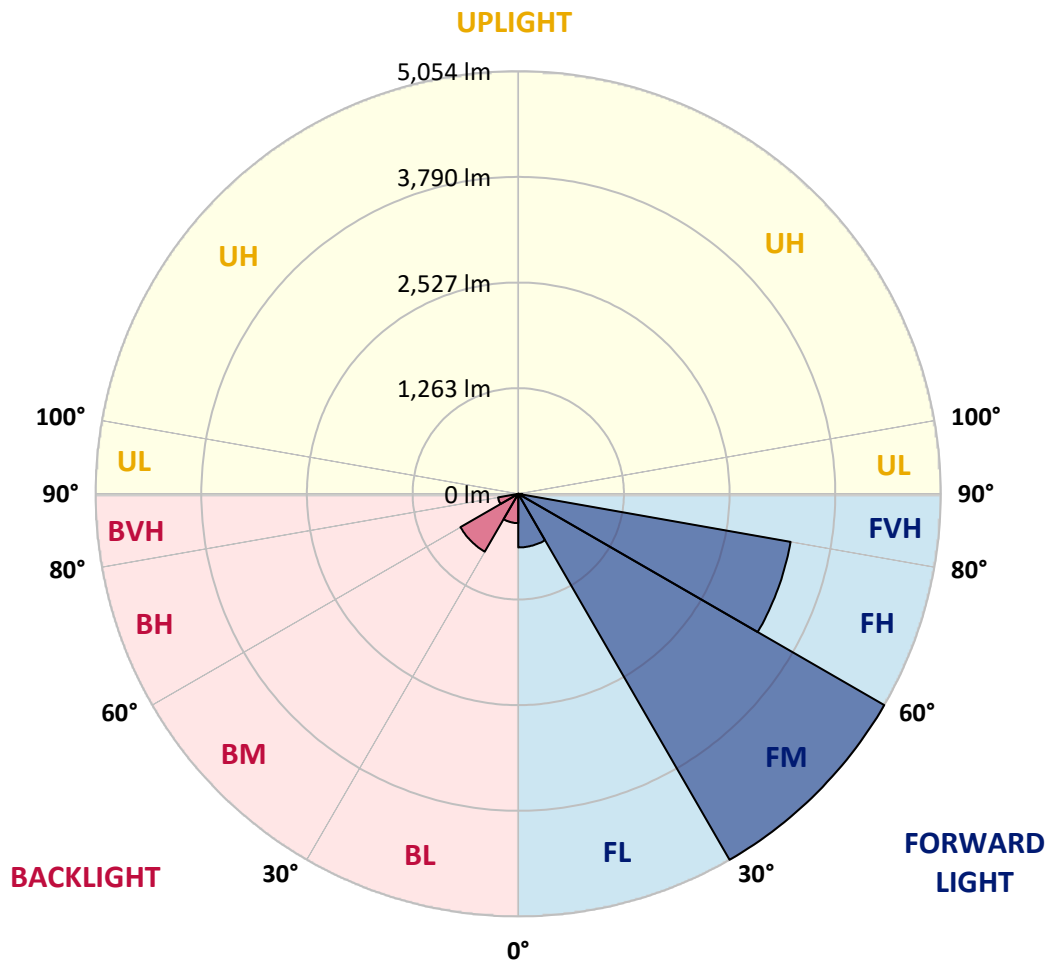
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.5	6.1			
FM (30°-60°)	5053.8	48.4			
FH (60°-80°)	3307.0	31.7			G2/5000
FVH (80°-90°)	46.8	0.4			G1/100
BL (0°-30°)	350.7	3.4	B1/500		
BM (30°-60°)	798.6	7.6	B1/1000		
BH (60°-80°)	245.2	2.3	B1/500		G1/500
BVH (80°-90°)	2.4	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°	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0
2.5°	1210.8	1219.2	1217.1	1215.0	1214.3	1215.7	1216.4	1215.7	1215.7	1215.7
5°	1187.7	1194.7	1194.7	1199.6	1206.6	1215.0	1221.3	1222.7	1224.1	1226.2
7.5°	1143.6	1149.2	1153.4	1169.5	1187.0	1209.4	1228.3	1238.1	1239.5	1247.2
10°	1113.4	1120.4	1127.4	1144.3	1169.5	1203.1	1235.3	1259.1	1262.6	1280.8
12.5°	1112.0	1119.0	1128.1	1146.4	1175.8	1211.5	1250.7	1285.0	1291.3	1317.9
15°	1126.7	1135.1	1143.6	1166.0	1197.5	1240.9	1282.9	1325.6	1331.9	1369.7
17.5°	1156.9	1168.1	1174.4	1196.8	1230.4	1278.7	1334.0	1383.0	1388.6	1432.8
20°	1216.4	1229.7	1231.8	1250.0	1282.9	1334.7	1400.6	1461.5	1468.5	1518.9
22.5°	1339.6	1358.5	1341.7	1350.8	1380.2	1432.1	1503.5	1580.5	1590.3	1647.7
25°	1556.7	1583.3	1539.9	1524.5	1537.1	1591.0	1680.7	1778.0	1789.2	1835.4
27.5°	1983.2	1948.9	1883.0	1818.6	1780.8	1811.6	1912.5	2032.9	2046.9	2091.7
30°	2451.7	2421.6	2332.6	2189.8	2100.1	2095.2	2188.4	2322.8	2338.9	2381.6
32.5°	2920.8	2892.1	2795.5	2619.7	2464.3	2387.2	2451.7	2600.8	2609.2	2636.5
35°	3382.3	3352.9	3256.3	3076.3	2885.1	2710.1	2697.5	2865.5	2868.3	2897.0
37.5°	3846.6	3822.1	3719.2	3542.7	3354.3	3112.7	2995.8	3116.2	3119.7	3147.7
40°	4177.8	4188.3	4117.6	3981.1	3819.3	3555.3	3330.5	3383.0	3362.0	3408.9
42.5°	4462.2	4483.2	4421.5	4352.9	4259.1	4026.6	3745.1	3736.0	3702.4	3727.6
45°	4708.0	4725.5	4670.1	4654.0	4651.9	4488.8	4198.2	4143.5	4096.6	4091.7
47.5°	4798.3	4831.9	4855.7	4909.6	5014.7	4946.0	4666.6	4581.9	4529.4	4490.9
50°	4832.6	4868.3	4949.5	5106.4	5355.0	5384.4	5133.0	5037.8	4973.4	4903.3
52.5°	4786.4	4850.1	4959.4	5223.4	5584.0	5736.0	5580.5	5497.2	5423.6	5309.5
55°	4514.0	4577.7	4801.1	5222.0	5698.1	5982.5	6003.5	5966.3	5883.7	5703.7
57.5°	3939.8	4034.3	4387.9	5044.1	5696.0	6194.6	6418.0	6444.6	6352.2	6094.5
60°	3144.2	3272.4	3703.8	4649.8	5520.3	6309.5	6781.5	6914.5	6816.5	6479.7
62.5°	2194.0	2342.4	2750.7	4032.2	5118.3	6226.9	7046.9	7292.7	7218.4	6824.2
65°	1338.2	1385.8	1715.0	3172.9	4434.8	5880.9	7128.8	7497.2	7472.6	7035.0
67.5°	891.5	931.4	1025.9	2175.8	3442.6	5189.7	6932.7	7461.4	7468.4	7000.7
70°	537.1	571.4	633.0	1265.4	2231.1	4107.8	6325.6	7006.3	7046.9	6542.0
72.5°	221.3	244.4	300.4	573.5	1155.5	2607.1	5037.1	6015.4	6109.9	5500.7
75°	125.3	137.3	176.5	287.8	501.4	1215.0	3051.1	4270.3	4409.6	3791.3
77.5°	83.3	88.9	114.1	186.3	282.2	414.6	1303.9	2224.8	2490.9	2070.7
80°	56.0	60.9	78.4	124.6	183.5	177.9	415.3	824.2	1014.0	711.5
82.5°	37.8	38.5	56.0	81.9	116.2	86.1	122.5	256.3	322.1	205.9
85°	21.7	21.0	41.3	47.6	51.8	35.7	37.1	77.0	100.8	86.8
87.5°	2.8	4.2	16.1	12.6	7.0	7.7	7.7	13.3	19.6	21.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846817
 CATALOG NUMBER: GLAN-SB2C-840-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1215.0	0°	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0	1215.0
1216.4	2.5°	1216.4	1215.7	1213.6	1211.5	1206.6	1203.8	1205.2	1203.8	1203.1	1203.8
1225.5	5°	1225.5	1223.4	1217.8	1210.8	1201.0	1189.1	1181.4	1170.2	1159.7	1153.4
1250.0	7.5°	1250.0	1247.9	1240.2	1220.6	1189.1	1139.3	1093.8	1053.9	1023.8	1006.3
1289.2	10°	1289.2	1285.7	1273.8	1230.4	1147.8	1039.2	948.9	873.9	824.9	801.8
1335.4	12.5°	1335.4	1331.2	1310.2	1221.3	1069.3	899.9	775.2	691.9	646.4	626.0
1388.6	15°	1390.0	1384.4	1343.1	1177.9	955.2	745.8	631.6	569.3	539.9	521.7
1456.6	17.5°	1458.0	1448.2	1367.6	1112.7	831.2	628.1	543.4	496.5	470.6	453.1
1545.5	20°	1546.2	1530.1	1387.2	1035.0	717.1	553.9	483.9	444.7	425.1	409.7
1671.6	22.5°	1669.5	1646.3	1411.1	951.0	636.6	502.8	439.8	411.1	395.0	377.4
1847.3	25°	1822.1	1794.8	1440.5	873.2	581.2	458.7	407.6	383.8	364.8	344.5
2077.7	27.5°	2035.7	1986.7	1475.5	809.5	533.6	420.9	378.1	351.5	329.8	313.0
2338.9	30°	2273.8	2193.3	1506.3	771.0	490.2	385.9	339.6	313.0	292.7	280.8
2573.5	32.5°	2499.3	2390.0	1526.6	754.2	451.0	345.9	297.6	268.9	253.5	250.0
2803.2	35°	2712.2	2567.9	1524.5	738.1	416.0	306.0	256.3	226.9	215.0	217.1
3050.4	37.5°	2957.3	2757.7	1509.8	712.9	387.3	269.6	220.6	194.7	184.2	184.9
3350.8	40°	3242.3	2976.9	1500.7	665.3	355.7	236.0	191.2	170.2	162.5	159.7
3667.3	42.5°	3546.2	3189.1	1502.1	611.3	316.5	205.9	170.9	153.4	146.4	144.3
4019.6	45°	3851.5	3391.4	1504.2	555.3	275.2	182.8	156.2	141.5	137.3	134.5
4376.7	47.5°	4138.6	3563.7	1465.0	495.1	234.6	165.3	144.3	134.5	131.0	127.5
4735.3	50°	4406.1	3678.5	1370.4	425.1	202.4	151.3	135.2	128.2	124.6	121.1
5060.2	52.5°	4614.1	3696.8	1214.3	352.9	180.0	140.8	129.6	123.2	119.0	115.5
5322.8	55°	4706.6	3582.6	992.3	285.7	162.5	131.7	123.9	117.6	112.7	109.2
5529.4	57.5°	4682.7	3342.4	773.8	229.7	145.7	122.5	116.9	112.7	107.1	101.5
5696.7	60°	4565.8	3021.0	583.3	191.2	130.3	112.7	109.2	105.7	98.0	89.6
5761.2	62.5°	4363.4	2616.9	416.0	158.3	113.4	101.5	100.1	97.3	86.1	70.7
5665.9	65°	4053.9	2126.0	280.1	131.7	97.3	88.9	89.6	84.7	70.0	52.5
5317.2	67.5°	3601.5	1554.6	179.3	107.8	81.2	74.2	74.9	72.1	59.5	44.8
4656.1	70°	3025.2	1029.4	116.9	81.9	65.1	57.4	61.6	62.3	50.4	36.4
3573.5	72.5°	2217.8	607.8	81.9	60.9	47.6	39.9	50.4	51.8	40.6	27.3
2149.8	75°	1264.0	288.5	61.6	44.1	29.4	28.0	39.2	39.2	28.0	18.2
930.7	77.5°	530.8	120.4	43.4	28.7	16.8	16.1	26.6	24.5	14.0	8.4
226.9	80°	153.4	53.9	23.1	14.0	7.0	6.3	10.5	7.7	3.5	1.4
86.1	82.5°	60.2	23.8	9.1	5.6	2.8	2.8	1.4	0.0	0.0	0.0
49.0	85°	35.7	9.8	4.2	2.1	0.7	0.0	0.0	0.0	0.0	0.0
10.5	87.5°	9.1	2.1	1.4	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°
1215.0
1206.6
1154.8
1007.0
799.7
623.9
522.4
451.7
406.9
374.6
342.4
309.5
278.7
252.1
217.1
187.7
159.0
143.6
134.5
127.5
121.1
114.8
108.5
100.8
88.2
69.3
51.1
42.7
35.0
25.9
16.8
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