

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: P847145

Luminaire Tested: **GLAN-SB3A-835-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847145  
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-SB3A-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 350mA 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: 8137 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

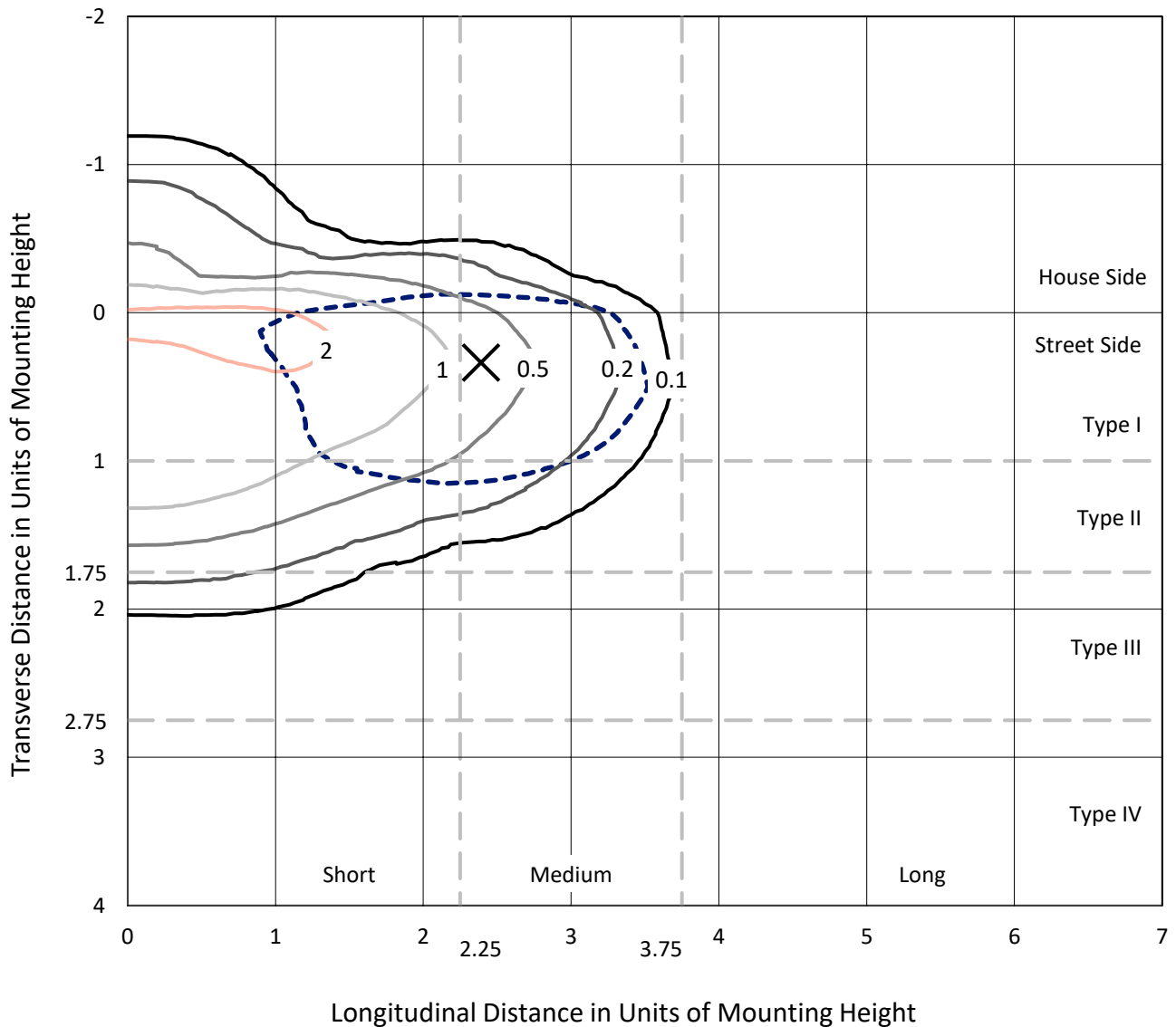
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

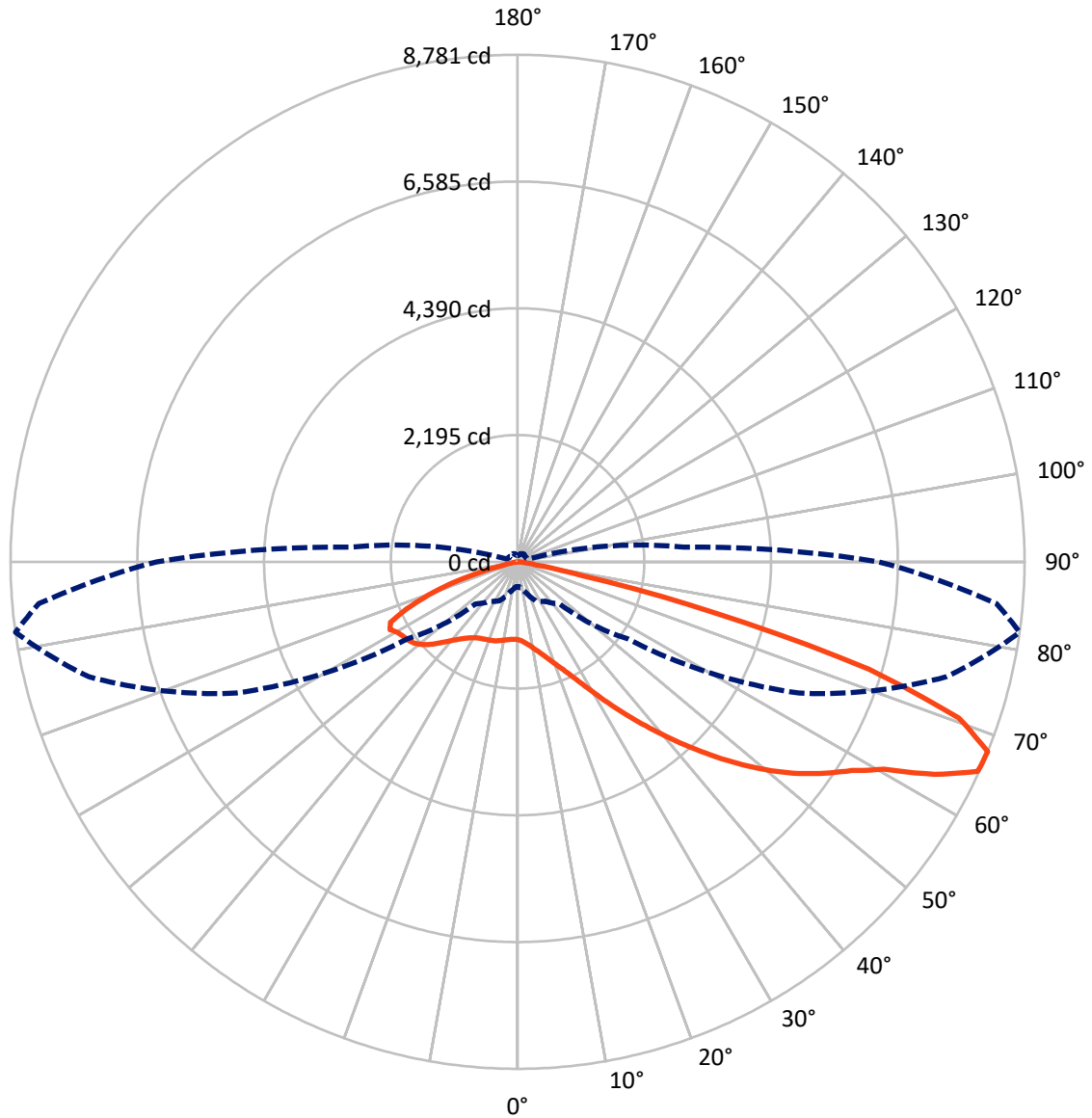
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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
<b>House Side</b>	Lumens	1474.0	0.0	1474.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	6663.1	0.0	6663.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	8137.0	0.0	8137.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.1	1.5
10°-20°	312.1	3.8
20°-30°	499.9	6.1
30°-40°	883.9	10.9
40°-50°	1548.7	19.0
50°-60°	2065.5	25.4
60°-70°	1922.9	23.6
70°-80°	738.0	9.1
80°-90°	45.8	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°	8137.0	100.0
0°-180°	8137.0	100.0

**Coefficient of Utilization**

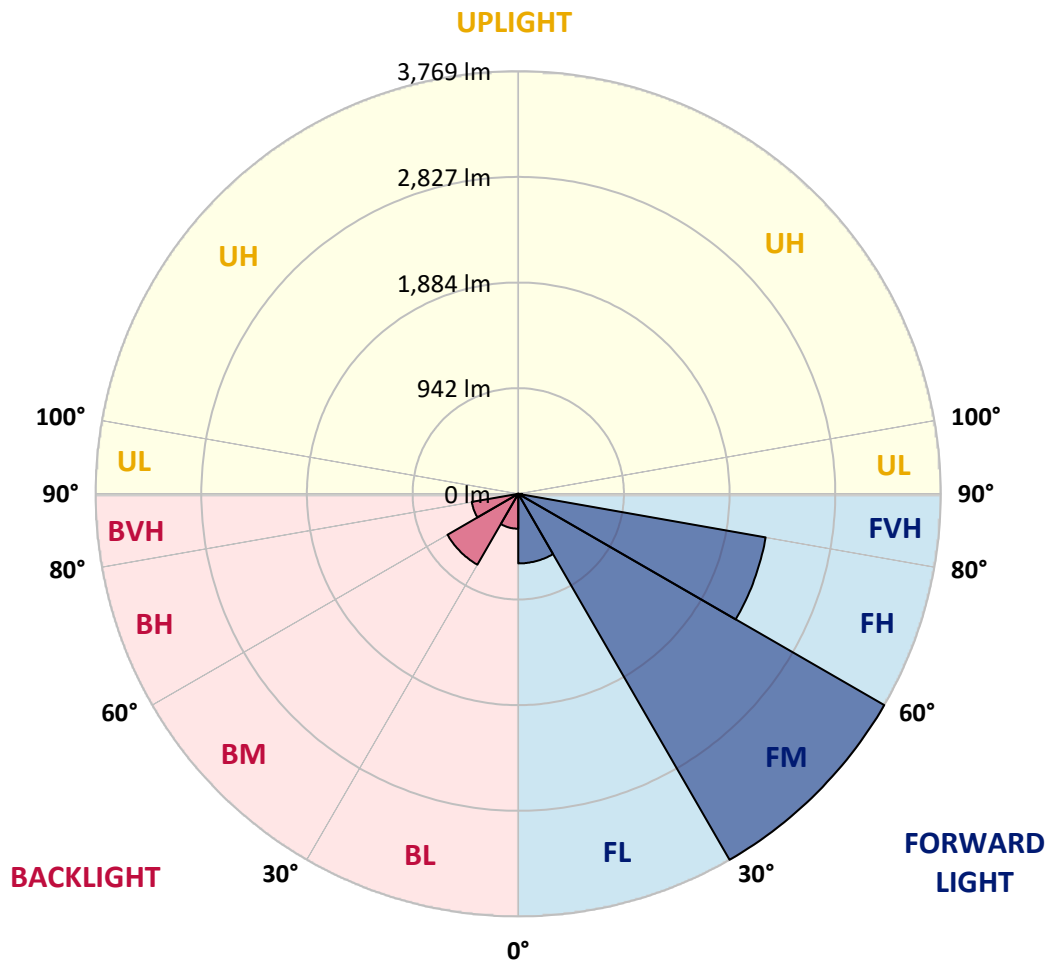


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	620.8	7.6			
FM (30°-60°)	3768.7	46.3			
FH (60°-80°)	2240.2	27.5			G2/5000
FVH (80°-90°)	33.3	0.4			G1/100
BL (0°-30°)	311.3	3.8	B1/500		
BM (30°-60°)	729.5	9.0	B1/1000		
BH (60°-80°)	420.7	5.2	B1/500		G1/500
BVH (80°-90°)	12.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1424.8	1433.0	1428.3	1425.9	1421.8	1416.0	1411.3	1396.7	1381.4	1371.5
5°	1453.5	1461.7	1461.1	1463.4	1466.4	1468.1	1467.0	1450.5	1428.9	1411.9
7.5°	1428.9	1438.2	1445.9	1457.6	1478.1	1499.8	1510.3	1506.8	1484.5	1461.1
10°	1359.2	1369.1	1387.3	1414.8	1458.2	1505.0	1544.3	1562.4	1548.4	1522.6
12.5°	1231.4	1241.4	1277.1	1336.9	1409.5	1491.0	1566.0	1614.6	1618.1	1592.3
15°	1087.9	1097.9	1136.0	1210.9	1321.7	1452.3	1577.7	1669.7	1700.7	1678.4
17.5°	998.9	1007.7	1036.4	1096.7	1212.1	1375.0	1573.6	1728.2	1799.1	1781.5
20°	971.9	979.5	993.0	1035.2	1131.3	1294.7	1546.6	1783.3	1905.2	1895.2
22.5°	1000.6	1007.7	1011.8	1030.5	1090.8	1242.0	1512.6	1839.5	2028.2	2029.4
25°	1066.8	1073.9	1069.2	1080.9	1107.2	1225.6	1499.8	1905.7	2182.9	2195.7
27.5°	1175.8	1176.4	1165.2	1164.7	1168.8	1250.2	1513.2	1976.6	2377.9	2402.0
30°	1394.3	1385.5	1342.8	1296.5	1275.4	1324.0	1550.7	2060.4	2608.2	2650.9
32.5°	1731.2	1718.3	1639.8	1529.1	1417.7	1442.9	1618.1	2155.9	2858.9	2936.2
35°	2096.7	2093.2	2011.2	1846.6	1652.1	1612.2	1727.7	2281.3	3132.5	3255.5
37.5°	2436.5	2434.8	2387.9	2194.0	1957.3	1848.3	1903.4	2445.3	3425.4	3603.5
40°	2747.0	2752.3	2705.4	2532.0	2293.6	2151.2	2142.4	2648.0	3751.2	3982.6
42.5°	3015.3	3021.2	2973.7	2845.4	2625.7	2486.3	2435.9	2896.4	4069.3	4389.7
45°	3197.5	3233.9	3226.8	3124.3	2966.7	2822.0	2788.6	3208.1	4431.9	4821.5
47.5°	3249.1	3282.5	3335.2	3349.3	3253.2	3110.8	3150.7	3583.6	4798.6	5253.8
50°	3122.0	3153.0	3262.6	3408.4	3475.2	3431.3	3502.8	3986.1	5174.2	5685.0
52.5°	2871.2	2902.9	3041.1	3271.9	3544.4	3682.6	3856.0	4382.7	5538.0	6093.4
55°	2508.6	2542.0	2719.5	2980.8	3412.5	3786.3	4150.7	4778.7	5871.3	6460.7
57.5°	2015.3	2039.9	2224.4	2590.0	3081.0	3683.2	4368.0	5211.1	6185.3	6821.6
60°	1313.5	1335.1	1549.6	1957.3	2531.4	3338.7	4411.4	5693.2	6602.5	7290.8
62.5°	873.5	888.1	1015.3	1314.6	1782.7	2677.3	4157.7	6078.1	7214.1	8107.5
65°	599.3	614.0	741.1	949.7	1151.8	1771.0	3428.4	6027.2	7768.3	8756.0
67.5°	427.7	440.0	547.8	744.6	833.7	1028.7	2324.0	5375.7	7688.6	8780.6
70°	306.4	313.4	402.5	580.0	662.6	618.1	1292.4	4111.4	6731.9	8108.1
72.5°	214.4	216.8	279.4	441.7	533.7	451.1	615.1	2741.2	5091.6	6364.0
75°	145.3	148.2	188.1	324.0	428.3	344.5	325.7	1469.9	2989.0	3522.7
77.5°	89.0	90.2	121.3	221.4	320.5	262.5	209.7	622.8	1156.5	1135.4
80°	50.4	50.4	77.3	137.7	218.5	169.3	147.0	264.8	366.2	321.6
82.5°	28.1	28.7	56.2	85.5	144.7	100.2	80.8	122.4	158.2	140.0
85°	11.7	12.9	34.6	40.4	69.1	49.8	32.8	51.6	58.6	52.1
87.5°	1.2	1.8	10.5	7.6	8.2	10.0	4.7	10.0	8.2	8.2
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°
1348.0	0°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
1367.9	2.5°	1356.8	1348.0	1325.8	1300.0	1266.0	1249.6	1227.3	1212.1	1199.2	1200.4
1401.9	5°	1383.2	1360.9	1311.1	1249.0	1171.7	1116.6	1058.0	1017.6	984.8	977.8
1448.8	7.5°	1419.5	1384.3	1297.1	1185.2	1054.5	955.5	867.0	810.2	769.8	756.9
1505.6	10°	1466.4	1415.4	1278.9	1104.9	916.8	790.9	696.0	651.5	623.9	614.5
1572.4	12.5°	1520.8	1451.1	1254.9	1007.1	775.1	653.8	593.5	571.2	562.4	559.5
1654.4	15°	1589.4	1495.7	1218.6	891.1	655.0	570.0	544.2	541.3	542.5	541.3
1752.8	17.5°	1670.8	1544.3	1159.4	771.6	574.1	527.3	517.9	520.2	523.2	522.6
1863.0	20°	1759.9	1592.3	1083.8	665.5	519.1	496.8	491.5	493.9	496.2	495.0
1990.1	22.5°	1861.2	1643.9	1000.0	582.9	482.1	468.7	462.8	463.4	463.4	461.1
2151.2	25°	1982.5	1700.7	912.2	524.3	454.0	443.5	436.5	434.1	430.6	423.6
2346.9	27.5°	2127.2	1761.0	827.8	483.3	431.8	421.8	413.6	407.7	399.0	387.2
2581.8	30°	2290.1	1834.3	756.3	457.5	414.2	404.2	394.9	386.1	373.2	358.5
2851.9	32.5°	2481.6	1912.8	704.2	440.6	398.4	387.8	376.7	366.2	352.1	337.4
3155.4	35°	2710.1	2007.7	673.7	428.8	386.1	372.0	359.7	348.0	337.4	324.6
3485.2	37.5°	2957.9	2108.5	664.3	423.0	377.9	356.2	342.1	333.9	332.8	325.1
3842.0	40°	3229.2	2228.0	671.4	419.5	369.1	341.0	325.7	324.0	326.9	313.4
4223.3	42.5°	3516.2	2369.7	683.1	415.4	356.8	325.7	311.1	311.1	308.7	290.0
4626.4	45°	3826.7	2533.2	694.8	405.4	342.1	310.5	299.4	295.3	285.3	267.1
5031.8	47.5°	4139.6	2699.6	703.6	387.2	324.6	297.6	287.6	278.3	263.6	247.2
5429.6	50°	4436.6	2849.0	694.2	360.3	304.6	285.3	274.8	261.9	246.1	234.9
5806.3	52.5°	4702.0	2978.4	654.4	328.7	283.5	272.4	263.0	249.6	236.7	225.0
6146.1	55°	4932.8	3083.3	584.1	298.8	264.8	261.3	251.9	234.9	217.3	207.4
6482.9	57.5°	5154.2	3163.0	496.2	274.2	247.8	249.0	234.9	219.7	203.3	192.7
6937.0	60°	5448.9	3269.6	407.2	251.3	229.7	233.2	217.9	206.8	186.3	172.8
7715.6	62.5°	5919.9	3435.4	323.4	223.2	208.6	209.7	203.3	189.8	165.2	149.4
8292.6	65°	6293.7	3374.5	254.8	192.7	184.5	186.3	186.3	171.7	145.3	127.1
8323.7	67.5°	6251.5	2889.4	203.3	162.9	161.7	162.9	167.0	154.7	128.9	114.2
7689.8	70°	5758.8	2298.3	162.9	135.3	140.6	137.7	149.4	141.2	116.0	101.4
5961.5	72.5°	4699.0	1655.6	124.2	111.9	107.8	112.5	134.7	127.1	96.7	80.3
3157.7	75°	2745.8	883.5	92.6	88.5	77.9	93.7	119.5	108.4	73.8	59.2
967.8	77.5°	894.0	308.2	68.0	65.0	58.0	75.6	101.9	91.4	60.3	46.9
283.5	80°	239.6	93.1	46.3	42.8	37.5	56.2	80.8	72.6	43.4	30.5
121.9	82.5°	96.1	39.3	26.9	24.0	20.5	38.7	63.9	58.6	32.2	19.3
38.1	85°	31.0	12.9	10.0	7.6	9.4	24.0	38.1	39.8	22.8	10.0
5.9	87.5°	4.1	1.8	1.8	2.3	1.8	4.1	11.7	11.1	6.4	1.2
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°
<hr/>
1348.0
1188.7
962.0
744.0
607.5
557.7
540.7
521.4
494.5
459.9
422.4
386.1
357.4
338.0
323.4
324.6
314.0
290.0
266.6
246.6
233.2
223.8
206.2
191.6
171.1
148.2
125.4
111.9
99.6
78.5
57.4
45.1
29.9
19.3
7.6
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