

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: P845897

Luminaire Tested: **GLAN-SB1B-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845897  
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-SB1B-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4335 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

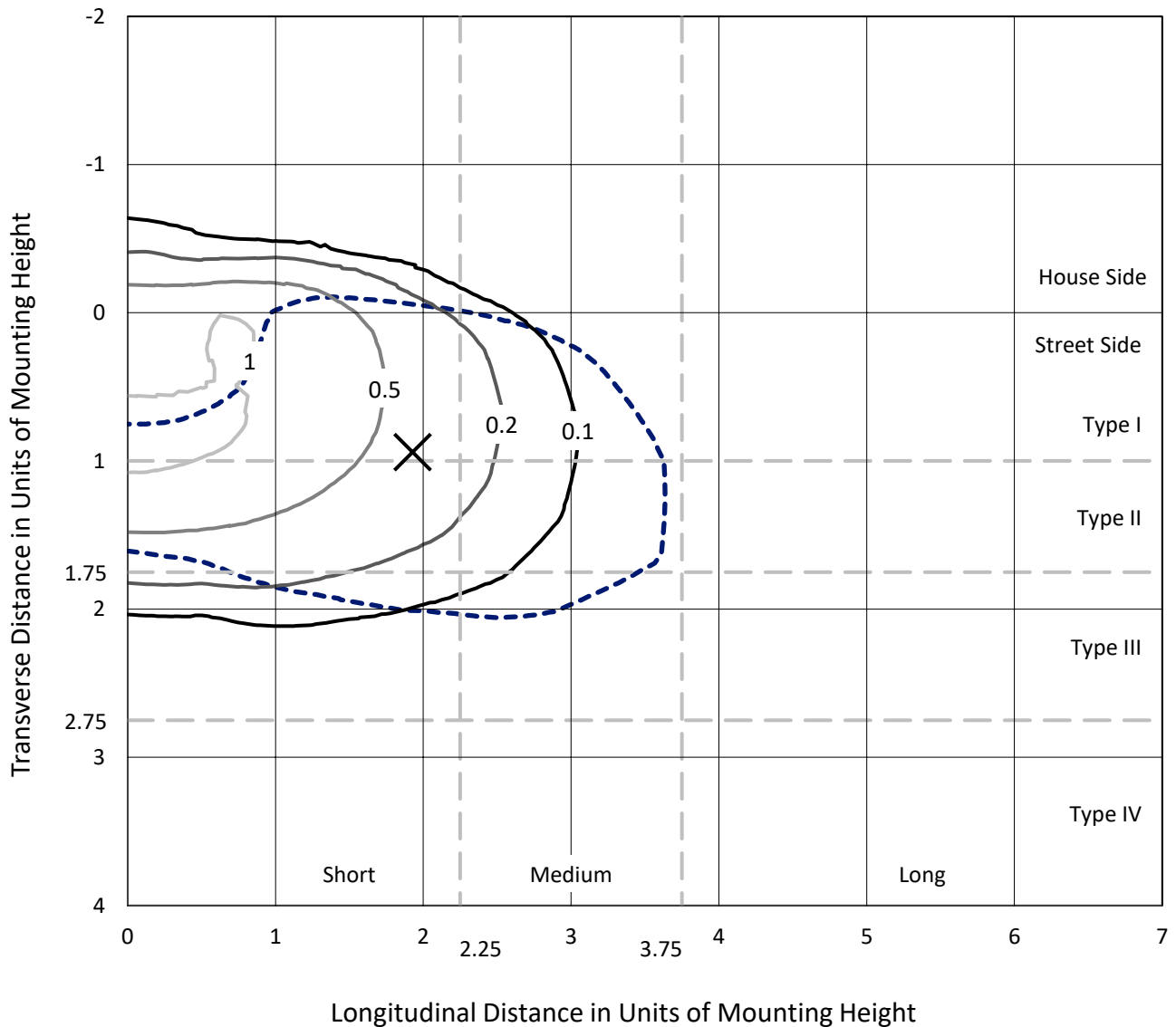
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

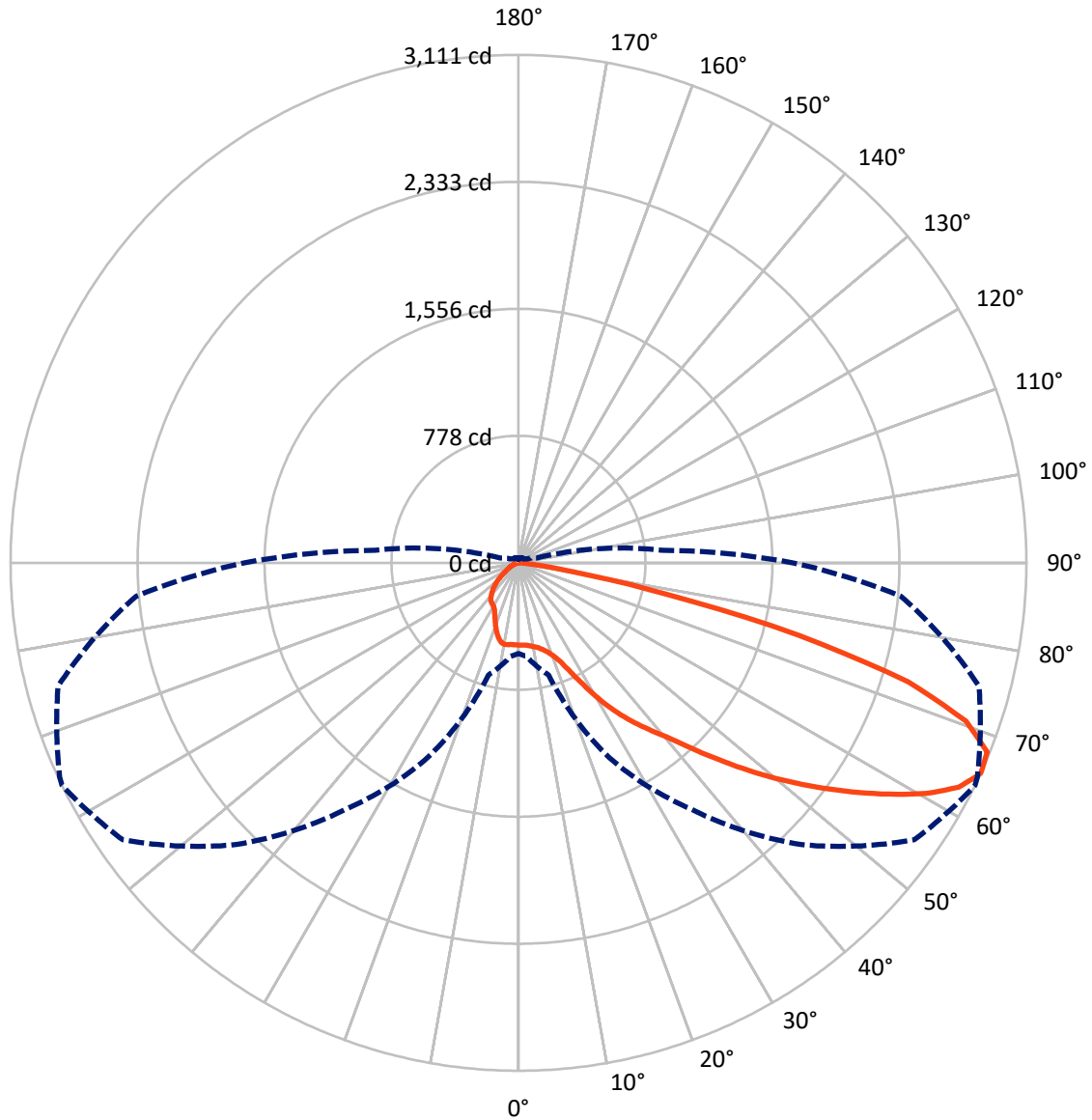
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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
<b>House Side</b>	Lumens	579.7	0.0	579.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	3755.3	0.0	3755.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	4335.0	0.0	4335.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.5	1.1
10°-20°	126.2	2.9
20°-30°	239.1	5.5
30°-40°	483.8	11.2
40°-50°	824.1	19.0
50°-60°	1120.8	25.9
60°-70°	1052.5	24.3
70°-80°	421.7	9.7
80°-90°	20.4	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°	4335.0	100.0
0°-180°	4335.0	100.0

**Coefficient of Utilization**



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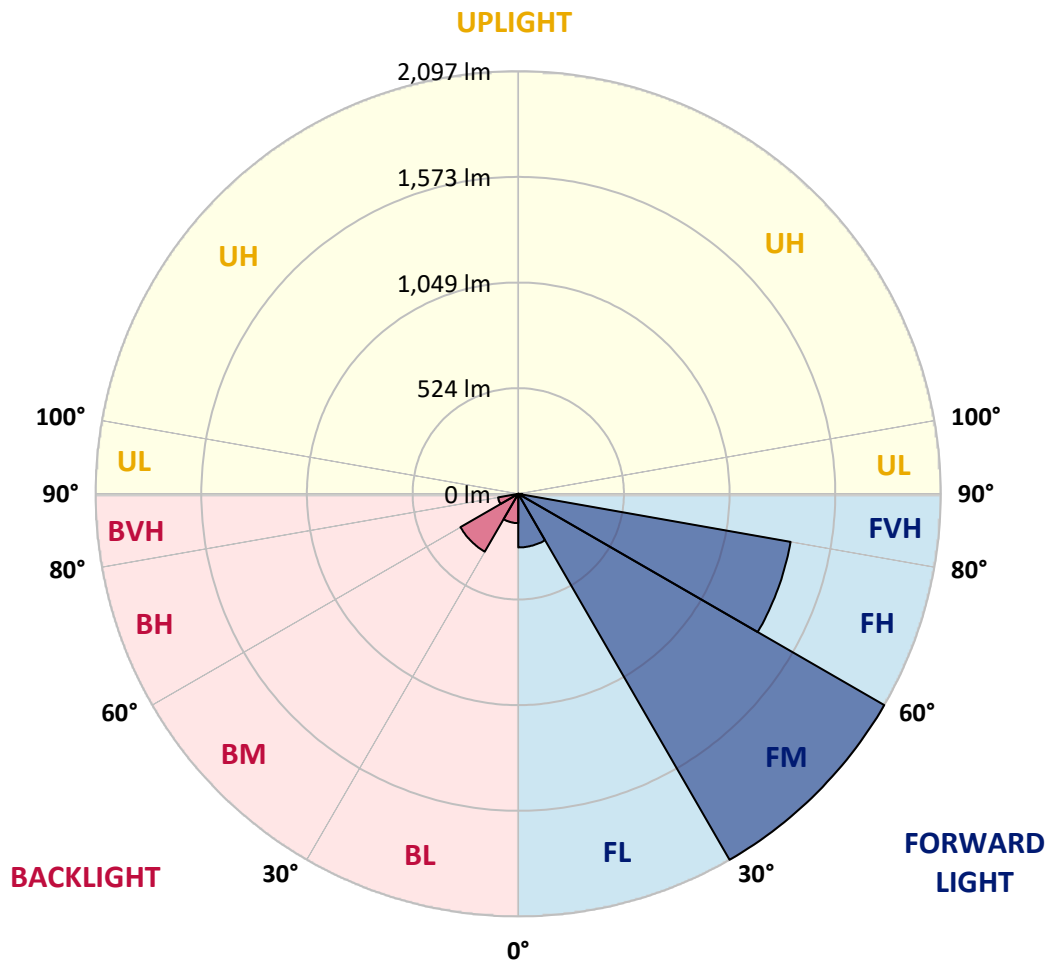
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.2	6.1			
FM (30°-60°)	2097.3	48.4			
FH (60°-80°)	1372.4	31.7			G1/1800
FVH (80°-90°)	19.4	0.4			G1/100
BL (0°-30°)	145.6	3.4	B1/500		
BM (30°-60°)	331.4	7.6	B1/1000		
BH (60°-80°)	101.8	2.3	B0/110		G0/110
BVH (80°-90°)	1.0	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-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2
2.5°	502.5	505.9	505.1	504.2	503.9	504.5	504.8	504.5	504.5	504.5
5°	492.9	495.8	495.8	497.8	500.7	504.2	506.8	507.4	508.0	508.9
7.5°	474.6	476.9	478.6	485.3	492.6	501.9	509.7	513.8	514.4	517.6
10°	462.1	465.0	467.9	474.9	485.3	499.3	512.6	522.5	524.0	531.5
12.5°	461.5	464.4	468.2	475.7	487.9	502.8	519.0	533.3	535.9	546.9
15°	467.6	471.1	474.6	483.9	496.9	515.0	532.4	550.1	552.7	568.4
17.5°	480.1	484.7	487.4	496.6	510.6	530.7	553.6	574.0	576.3	594.6
20°	504.8	510.3	511.2	518.7	532.4	553.9	581.2	606.5	609.4	630.3
22.5°	555.9	563.8	556.8	560.6	572.8	594.3	623.9	655.9	660.0	683.8
25°	646.0	657.1	639.0	632.7	637.9	660.3	697.5	737.9	742.5	761.7
27.5°	823.0	808.8	781.4	754.7	739.0	751.8	793.7	843.6	849.4	868.0
30°	1017.4	1004.9	968.0	908.7	871.5	869.5	908.2	963.9	970.6	988.4
32.5°	1212.1	1200.2	1160.1	1087.2	1022.7	990.7	1017.4	1079.3	1082.8	1094.1
35°	1403.6	1391.4	1351.3	1276.6	1197.3	1124.7	1119.4	1189.2	1190.3	1202.2
37.5°	1596.3	1586.1	1543.4	1470.2	1392.0	1291.8	1243.2	1293.2	1294.7	1306.3
40°	1733.8	1738.1	1708.8	1652.1	1585.0	1475.4	1382.1	1403.9	1395.2	1414.7
42.5°	1851.8	1860.5	1834.9	1806.4	1767.5	1671.0	1554.2	1550.4	1536.4	1546.9
45°	1953.8	1961.0	1938.1	1931.4	1930.5	1862.8	1742.2	1719.5	1700.1	1698.0
47.5°	1991.2	2005.2	2015.1	2037.5	2081.0	2052.6	1936.6	1901.5	1879.7	1863.7
50°	2005.5	2020.3	2054.0	2119.1	2222.3	2234.5	2130.2	2090.6	2063.9	2034.8
52.5°	1986.3	2012.8	2058.1	2167.6	2317.3	2380.4	2315.9	2281.3	2250.8	2203.4
55°	1873.3	1899.7	1992.4	2167.1	2364.7	2482.7	2491.4	2476.0	2441.7	2367.0
57.5°	1635.0	1674.2	1821.0	2093.3	2363.8	2570.7	2663.4	2674.5	2636.1	2529.2
60°	1304.8	1358.0	1537.0	1929.6	2290.9	2618.4	2814.3	2869.5	2828.8	2689.0
62.5°	910.5	972.1	1141.5	1673.3	2124.1	2584.1	2924.4	3026.4	2995.6	2832.0
65°	555.4	575.1	711.7	1316.7	1840.4	2440.5	2958.4	3111.3	3101.1	2919.5
67.5°	369.9	386.5	425.7	902.9	1428.6	2153.7	2877.0	3096.4	3099.3	2905.2
70°	222.9	237.1	262.7	525.1	925.9	1704.7	2625.1	2907.5	2924.4	2714.9
72.5°	91.8	101.4	124.7	238.0	479.5	1081.9	2090.3	2496.3	2535.6	2282.7
75°	52.0	57.0	73.2	119.4	208.1	504.2	1266.2	1772.1	1830.0	1573.4
77.5°	34.6	36.9	47.4	77.3	117.1	172.0	541.1	923.3	1033.7	859.3
80°	23.2	25.3	32.5	51.7	76.1	73.8	172.3	342.0	420.8	295.3
82.5°	15.7	16.0	23.2	34.0	48.2	35.7	50.9	106.4	133.7	85.4
85°	9.0	8.7	17.1	19.8	21.5	14.8	15.4	32.0	41.8	36.0
87.5°	1.2	1.7	6.7	5.2	2.9	3.2	3.2	5.5	8.1	8.7
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°
504.2	0°	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2
504.8	2.5°	504.8	504.5	503.6	502.8	500.7	499.6	500.1	499.6	499.3	499.6
508.6	5°	508.6	507.7	505.4	502.5	498.4	493.5	490.3	485.6	481.2	478.6
518.7	7.5°	518.7	517.9	514.7	506.5	493.5	472.8	453.9	437.4	424.9	417.6
535.0	10°	535.0	533.6	528.6	510.6	476.3	431.3	393.8	362.7	342.3	332.7
554.2	12.5°	554.2	552.4	543.7	506.8	443.8	373.4	321.7	287.1	268.2	259.8
576.3	15°	576.9	574.5	557.4	488.8	396.4	309.5	262.1	236.3	224.1	216.5
604.5	17.5°	605.0	601.0	567.6	461.8	345.0	260.7	225.5	206.0	195.3	188.0
641.4	20°	641.7	635.0	575.7	429.5	297.6	229.9	200.8	184.5	176.4	170.0
693.7	22.5°	692.8	683.2	585.6	394.6	264.2	208.7	182.5	170.6	163.9	156.6
766.6	25°	756.2	744.8	597.8	362.4	241.2	190.3	169.1	159.3	151.4	143.0
862.2	27.5°	844.8	824.5	612.3	335.9	221.4	174.7	156.9	145.9	136.9	129.9
970.6	30°	943.6	910.2	625.1	320.0	203.4	160.1	140.9	129.9	121.5	116.5
1068.0	32.5°	1037.2	991.8	633.5	313.0	187.2	143.6	123.5	111.6	105.2	103.7
1163.3	35°	1125.5	1065.7	632.7	306.3	172.6	127.0	106.4	94.2	89.2	90.1
1265.9	37.5°	1227.2	1144.4	626.6	295.8	160.7	111.9	91.5	80.8	76.4	76.7
1390.6	40°	1345.5	1235.4	622.8	276.1	147.6	97.9	79.3	70.6	67.4	66.3
1521.9	42.5°	1471.6	1323.4	623.4	253.7	131.4	85.4	70.9	63.6	60.7	59.9
1668.1	45°	1598.3	1407.4	624.2	230.5	114.2	75.8	64.8	58.7	57.0	55.8
1816.3	47.5°	1717.5	1478.9	608.0	205.5	97.4	68.6	59.9	55.8	54.3	52.9
1965.1	50°	1828.5	1526.6	568.7	176.4	84.0	62.8	56.1	53.2	51.7	50.3
2099.9	52.5°	1914.8	1534.1	503.9	146.5	74.7	58.4	53.8	51.1	49.4	48.0
2208.9	55°	1953.2	1486.8	411.8	118.6	67.4	54.6	51.4	48.8	46.8	45.3
2294.6	57.5°	1943.3	1387.1	321.1	95.3	60.4	50.9	48.5	46.8	44.5	42.1
2364.1	60°	1894.8	1253.7	242.1	79.3	54.1	46.8	45.3	43.9	40.7	37.2
2390.8	62.5°	1810.8	1086.0	172.6	65.7	47.1	42.1	41.6	40.4	35.7	29.4
2351.3	65°	1682.3	882.3	116.2	54.6	40.4	36.9	37.2	35.2	29.1	21.8
2206.6	67.5°	1494.6	645.2	74.4	44.8	33.7	30.8	31.1	29.9	24.7	18.6
1932.3	70°	1255.4	427.2	48.5	34.0	27.0	23.8	25.6	25.9	20.9	15.1
1483.0	72.5°	920.4	252.2	34.0	25.3	19.8	16.6	20.9	21.5	16.9	11.3
892.2	75°	524.5	119.7	25.6	18.3	12.2	11.6	16.3	16.3	11.6	7.6
386.2	77.5°	220.3	50.0	18.0	11.9	7.0	6.7	11.0	10.2	5.8	3.5
94.2	80°	63.6	22.4	9.6	5.8	2.9	2.6	4.4	3.2	1.5	0.6
35.7	82.5°	25.0	9.9	3.8	2.3	1.2	1.2	0.6	0.0	0.0	0.0
20.3	85°	14.8	4.1	1.7	0.9	0.3	0.0	0.0	0.0	0.0	0.0
4.4	87.5°	3.8	0.9	0.6	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°
504.2
500.7
479.2
417.9
331.9
258.9
216.8
187.4
168.8
155.5
142.1
128.4
115.7
104.6
90.1
77.9
66.0
59.6
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