

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: P560714

Luminaire Tested: **SDL-PA1-60-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-730-U-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6487.8 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - U3 - G2

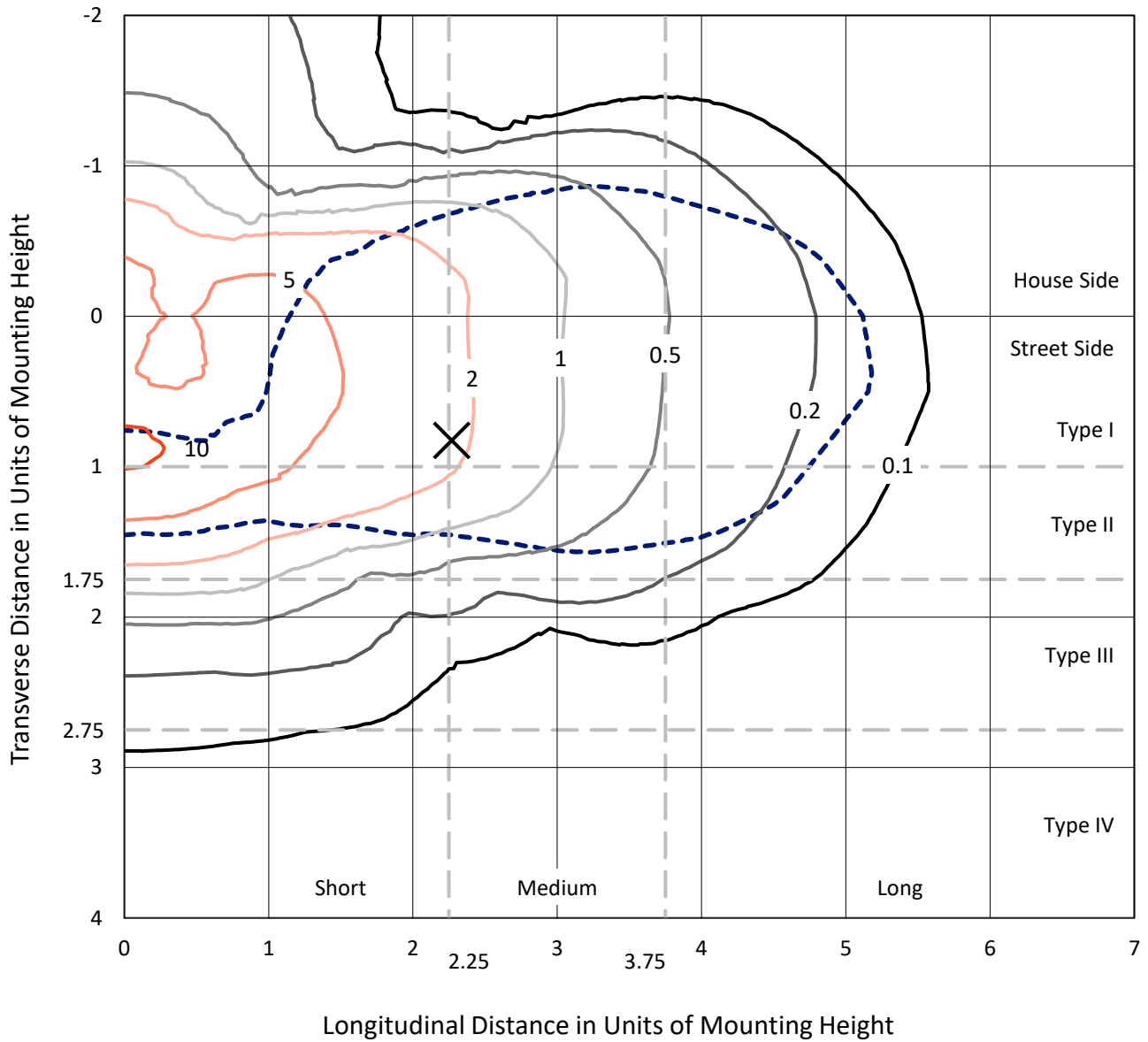
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

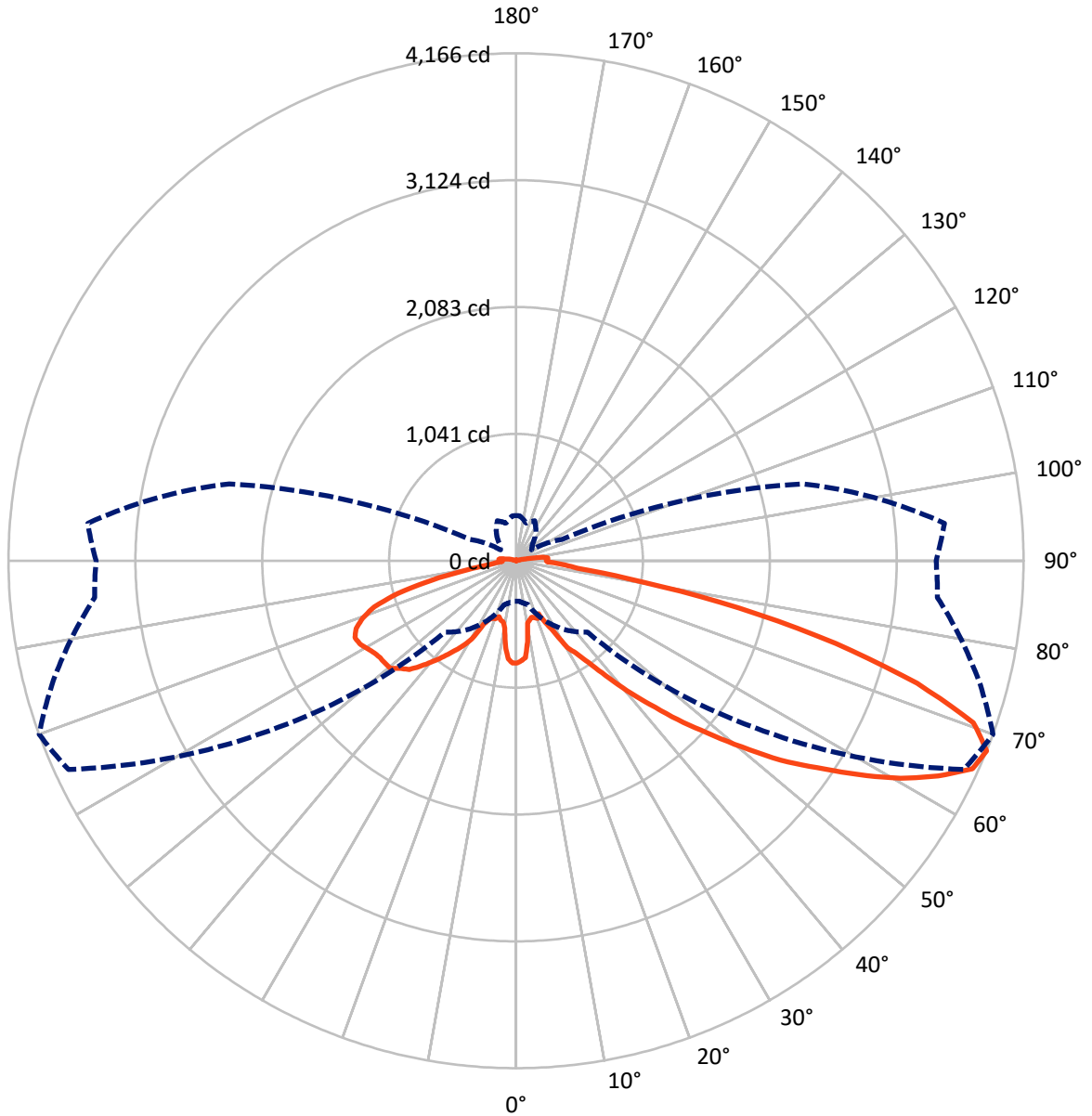
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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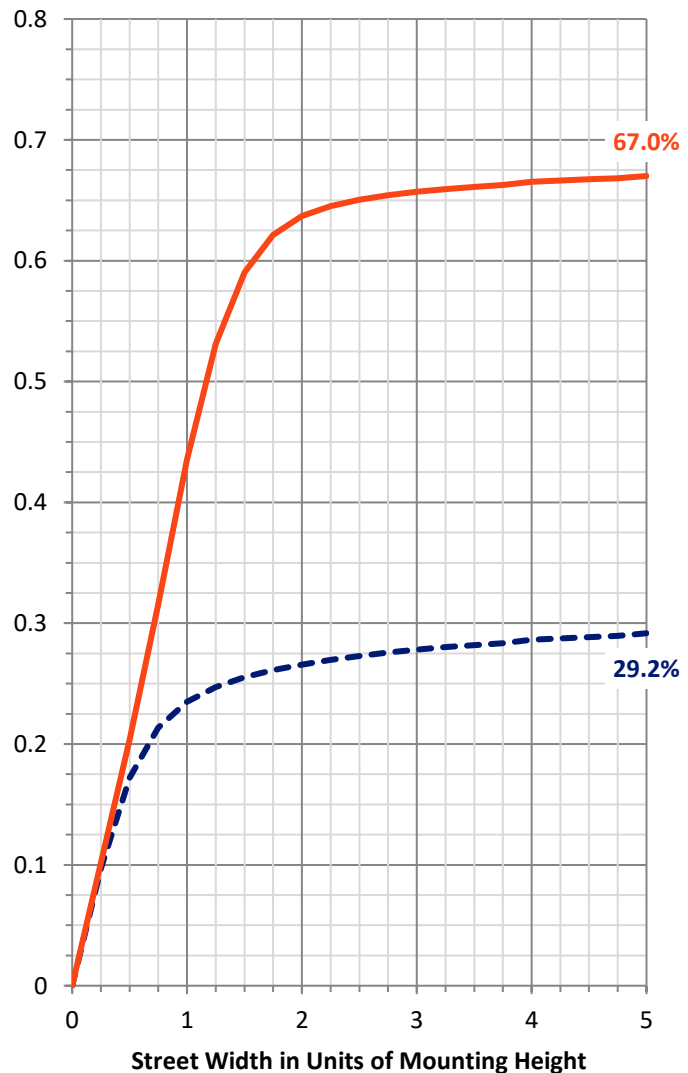
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1951.4	76.6	2027.9
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4385.9	74.0	4459.9
	% Fixture	67.6	1.1	68.7
Total	Lumens	6337.3	150.6	6487.8
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.0
10°-20°	155.6	2.4
20°-30°	276.1	4.3
30°-40°	581.8	9.0
40°-50°	1087.7	16.8
50°-60°	1506.5	23.2
60°-70°	1452.6	22.4
70°-80°	955.0	14.7
80°-90°	254.5	3.9
90°-100°	104.4	1.6
100°-110°	22.8	0.4
110°-120°	9.9	0.2
120°-130°	7.1	0.1
130°-140°	3.2	0.0
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6337.3	97.7
0°-180°	6487.8	100.0

Coefficient of Utilization



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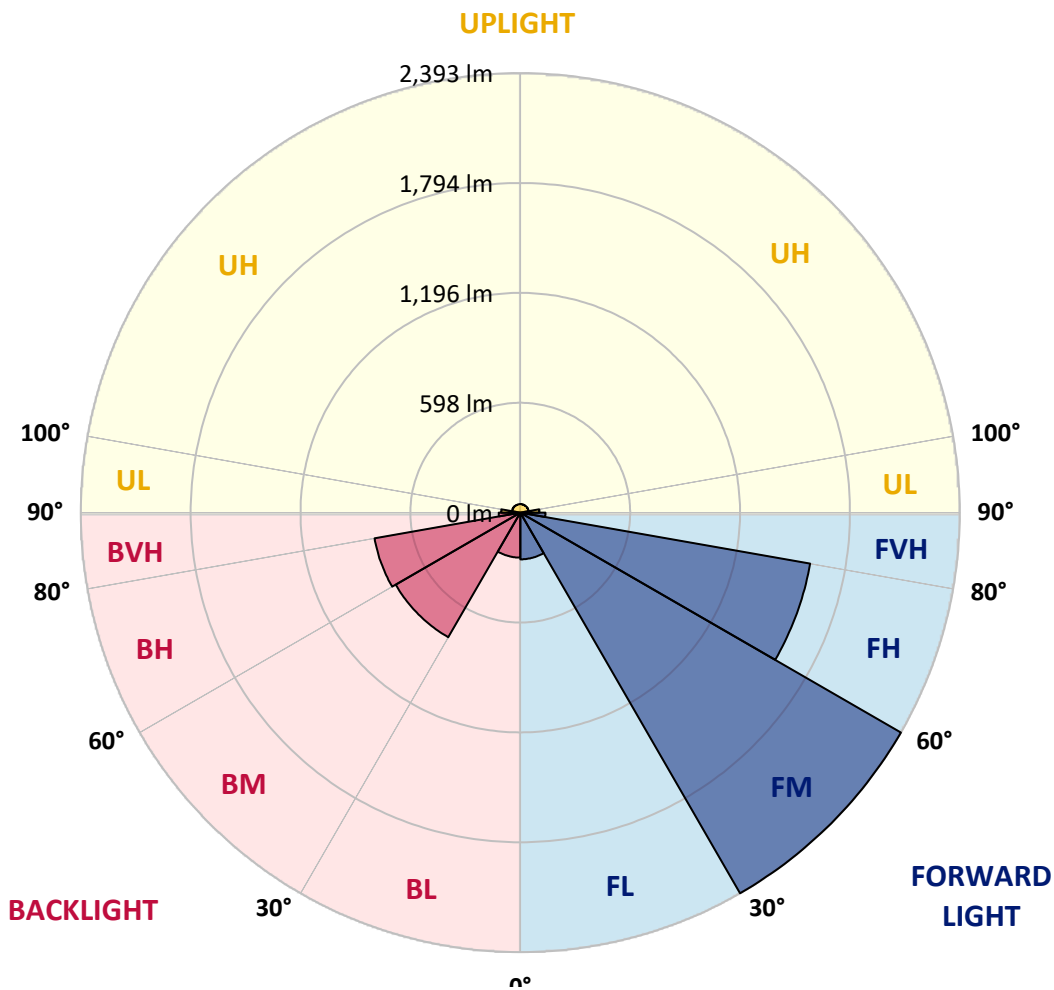
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.2	3.9			
FM (30°-60°)	2392.6	36.9			
FH (60°-80°)	1602.1	24.7			G1/1800
FVH (80°-90°)	136.9	2.1			G2/225
BL (0°-30°)	244.8	3.8	B1/500		
BM (30°-60°)	783.4	12.1	B1/1000		
BH (60°-80°)	805.5	12.4	B2/1000		G2/1000
BVH (80°-90°)	117.6	1.8			G2/225
UL (90°-100°)	104.4	1.6		U3/500	
UH (100°-180°)	46.2	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6
2.5°	700.9	757.9	740.6	795.0	807.4	819.8	822.3	824.8	822.3	824.8	829.7
5°	661.3	663.8	666.3	671.2	671.2	676.2	686.1	790.1	800.0	807.4	817.3
7.5°	552.3	577.1	624.1	641.5	648.9	658.8	663.8	663.8	673.7	698.5	715.8
10°	614.2	609.3	611.8	614.2	579.6	572.1	520.1	512.7	520.1	537.5	619.2
12.5°	515.2	539.9	591.9	604.3	562.2	497.8	490.4	500.3	497.8	448.3	525.1
15°	596.9	594.4	589.5	579.6	470.6	492.9	423.5	428.5	480.5	515.2	587.0
17.5°	520.1	517.6	587.0	567.2	495.4	383.9	483.0	448.3	490.4	453.3	485.4
20°	646.4	644.0	636.5	473.1	505.3	510.2	468.1	433.4	505.3	522.6	589.5
22.5°	587.0	587.0	634.1	621.7	512.7	539.9	445.8	527.6	473.1	480.5	445.8
25°	807.4	800.0	790.1	577.1	616.7	495.4	552.3	485.4	564.7	611.8	641.5
27.5°	782.7	767.8	757.9	765.3	619.2	648.9	547.4	604.3	651.4	671.2	748.0
30°	1099.7	1079.9	1050.2	802.5	770.3	663.8	661.3	748.0	824.8	886.7	928.8
32.5°	1401.9	1406.8	1253.2	1077.4	852.0	886.7	787.6	876.8	901.5	965.9	990.7
35°	1798.1	1748.6	1652.0	1344.9	1037.8	1003.1	916.4	1000.6	1025.4	1087.3	1102.2
37.5°	2110.2	2112.7	1964.1	1617.3	1243.3	1213.6	1062.5	1149.2	1193.8	1263.2	1238.4
40°	2409.9	2422.3	2303.4	1897.2	1503.4	1421.7	1238.4	1339.9	1401.9	1444.0	1401.9
42.5°	2677.4	2674.9	2593.2	2206.8	1746.1	1699.1	1424.1	1555.4	1609.9	1649.5	1617.3
45°	2887.9	2880.5	2806.2	2459.4	2033.4	2097.8	1666.9	1803.1	1860.1	1904.6	1825.4
47.5°	2959.7	2920.1	2887.9	2642.7	2300.9	2449.5	1966.6	2043.3	2110.2	2187.0	2058.2
50°	2883.0	2831.0	2843.3	2729.4	2526.3	2744.3	2288.5	2320.7	2402.5	2469.3	2278.6
52.5°	2563.5	2551.1	2620.4	2642.7	2622.9	2969.7	2650.2	2558.5	2719.5	2726.9	2506.5
55°	2142.4	2127.6	2291.0	2382.7	2531.3	3058.8	2957.3	2892.9	2996.9	2984.5	2709.6
57.5°	1726.3	1716.4	1865.0	2016.1	2273.7	3009.3	3172.8	3259.4	3311.5	3242.1	2897.8
60°	1156.7	1176.5	1431.6	1634.7	1860.1	2712.1	3254.5	3601.2	3626.0	3477.4	3096.0
62.5°	738.1	765.3	928.8	1260.7	1389.5	2201.9	3195.0	3905.9	3891.0	3690.4	3279.3
65°	473.1	483.0	562.2	854.5	995.7	1458.8	2930.0	4113.9	4116.4	3881.1	3425.4
67.5°	331.9	334.4	371.5	532.5	688.5	829.7	2382.7	4054.5	4165.9	3945.5	3472.4
70°	297.2	299.7	309.6	361.6	522.6	515.2	1444.0	3623.5	3982.7	3861.3	3400.6
72.5°	265.0	267.5	284.8	314.6	401.2	403.7	691.0	2885.4	3442.7	3561.6	3187.6
75°	220.4	225.4	245.2	294.7	309.6	339.3	463.2	2028.5	2709.6	3068.7	2935.0
77.5°	185.8	188.2	203.1	250.2	270.0	274.9	396.3	1124.5	1872.4	2258.8	2585.8
80°	148.6	148.6	161.0	198.1	222.9	225.4	354.2	594.4	1037.8	1367.2	1798.1
82.5°	96.6	99.1	113.9	148.6	165.9	222.9	314.6	433.4	507.7	658.8	817.3
85°	61.9	61.9	71.8	84.2	99.1	170.9	277.4	359.1	378.9	413.6	371.5
87.5°	29.7	29.7	27.2	32.2	37.2	64.4	193.2	255.1	257.6	252.6	272.4
90°	24.8	24.8	19.8	22.3	24.8	34.7	146.1	250.2	247.7	257.6	282.4
92.5°	27.2	27.2	19.8	22.3	24.8	29.7	106.5	252.6	260.1	272.4	299.7
95°	29.7	29.7	19.8	19.8	22.3	27.2	66.9	218.0	262.5	274.9	309.6
97.5°	27.2	27.2	14.9	17.3	19.8	24.8	42.1	163.5	205.6	215.5	245.2
100°	24.8	24.8	12.4	14.9	17.3	19.8	27.2	84.2	89.2	66.9	94.1
102.5°	22.3	24.8	9.9	12.4	12.4	12.4	17.3	39.6	39.6	22.3	24.8
105°	22.3	24.8	9.9	9.9	7.4	9.9	9.9	14.9	17.3	12.4	19.8
107.5°	24.8	24.8	9.9	9.9	7.4	7.4	7.4	9.9	12.4	9.9	19.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.9	14.9	7.4	9.9	5.0	5.0	5.0	7.4	9.9	12.4	27.2
115°	12.4	9.9	5.0	7.4	5.0	5.0	5.0	7.4	7.4	9.9	22.3
117.5°	12.4	9.9	5.0	5.0	2.5	5.0	5.0	7.4	7.4	9.9	19.8
120°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	5.0	7.4	12.4	22.3
122.5°	14.9	12.4	5.0	5.0	2.5	2.5	2.5	5.0	7.4	12.4	22.3
125°	14.9	14.9	7.4	5.0	2.5	2.5	2.5	5.0	7.4	9.9	19.8
127.5°	14.9	12.4	7.4	5.0	2.5	2.5	2.5	2.5	5.0	7.4	17.3
130°	12.4	12.4	7.4	2.5	2.5	2.5	2.5	2.5	5.0	5.0	12.4
132.5°	9.9	9.9	7.4	2.5	2.5	2.5	2.5	2.5	2.5	5.0	9.9
135°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.4
137.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
150°	5.0	5.0	9.9	7.4	5.0	2.5	5.0	2.5	2.5	2.5	2.5
152.5°	7.4	7.4	9.9	7.4	2.5	2.5	2.5	5.0	2.5	2.5	2.5
155°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.4
157.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6	839.6
2.5°	832.2	832.2	839.6	842.1	839.6	837.2	822.3	777.7	750.5	752.9	752.9
5°	819.8	822.3	829.7	785.1	730.6	735.6	743.0	745.5	745.5	750.5	750.5
7.5°	723.2	725.7	705.9	713.3	730.6	743.0	748.0	735.6	696.0	681.1	681.1
10°	626.6	626.6	557.3	559.8	579.6	616.7	733.1	745.5	757.9	760.4	757.9
12.5°	530.0	532.5	475.5	547.4	522.6	589.5	676.2	748.0	691.0	634.1	641.5
15°	591.9	596.9	535.0	470.6	483.0	582.0	505.3	693.5	698.5	698.5	698.5
17.5°	475.5	502.8	473.1	485.4	535.0	438.4	572.1	634.1	582.0	567.2	567.2
20°	591.9	591.9	539.9	468.1	495.4	569.7	507.7	564.7	663.8	663.8	661.3
22.5°	440.9	440.9	473.1	542.4	497.8	562.2	537.5	584.5	527.6	527.6	542.4
25°	636.5	629.1	574.6	480.5	567.2	520.1	539.9	510.2	596.9	604.3	599.4
27.5°	767.8	762.8	616.7	552.3	532.5	554.8	485.4	475.5	458.2	527.6	520.1
30°	909.0	896.6	807.4	666.3	584.5	468.1	438.4	455.7	505.3	507.7	505.3
32.5°	975.9	948.6	849.5	797.5	596.9	483.0	393.8	406.2	502.8	532.5	532.5
35°	1067.5	1037.8	926.3	869.3	594.4	426.0	349.2	393.8	453.3	455.7	455.7
37.5°	1193.8	1149.2	1055.1	911.5	554.8	376.5	322.0	349.2	391.3	403.7	408.7
40°	1339.9	1283.0	1198.8	938.7	497.8	317.0	287.3	322.0	354.2	344.3	344.3
42.5°	1545.5	1461.3	1339.9	980.8	426.0	279.9	262.5	294.7	317.0	322.0	319.5
45°	1738.7	1634.7	1505.9	995.7	346.7	252.6	245.2	279.9	302.2	294.7	294.7
47.5°	1956.7	1825.4	1629.7	961.0	284.8	237.8	245.2	270.0	279.9	292.3	292.3
50°	2172.1	2031.0	1810.5	906.5	252.6	227.9	245.2	260.1	279.9	287.3	284.8
52.5°	2367.8	2244.0	1919.5	809.9	235.3	220.4	237.8	260.1	284.8	297.2	297.2
55°	2580.8	2454.5	2018.6	723.2	220.4	205.6	245.2	270.0	277.4	284.8	284.8
57.5°	2741.8	2642.7	2127.6	646.4	210.5	205.6	250.2	282.4	279.9	287.3	287.3
60°	2937.5	2850.8	2226.6	609.3	195.7	195.7	260.1	304.6	284.8	307.1	307.1
62.5°	3145.5	3093.5	2323.2	582.0	180.8	190.7	262.5	322.0	294.7	329.4	331.9
65°	3346.1	3356.0	2412.4	517.6	168.4	190.7	267.5	344.3	304.6	349.2	354.2
67.5°	3447.7	3529.4	2437.1	416.1	156.0	188.2	282.4	361.6	319.5	369.0	371.5
70°	3427.9	3534.4	2380.2	307.1	146.1	198.1	304.6	376.5	326.9	393.8	393.8
72.5°	3254.5	3331.3	2211.8	232.8	136.2	190.7	309.6	381.4	331.9	433.4	433.4
75°	3009.3	2930.0	1820.4	193.2	128.8	190.7	302.2	376.5	326.9	423.5	421.1
77.5°	2610.5	2345.5	1255.7	170.9	121.4	183.3	282.4	366.6	312.1	393.8	398.8
80°	1674.3	1444.0	641.5	148.6	128.8	175.9	272.4	339.3	289.8	351.7	354.2
82.5°	762.8	641.5	292.3	131.3	126.3	158.5	247.7	302.2	252.6	299.7	297.2
85°	322.0	326.9	230.3	111.5	111.5	123.8	183.3	235.3	195.7	210.5	205.6
87.5°	250.2	240.2	158.5	66.9	71.8	54.5	118.9	168.4	128.8	136.2	133.7
90°	265.0	260.1	168.4	69.3	52.0	32.2	89.2	131.3	96.6	86.7	84.2
92.5°	282.4	279.9	188.2	74.3	52.0	27.2	76.8	106.5	69.3	59.4	57.0
95°	302.2	302.2	205.6	79.3	52.0	27.2	69.3	81.7	52.0	39.6	37.2
97.5°	240.2	245.2	175.9	81.7	49.5	27.2	61.9	66.9	39.6	22.3	22.3
100°	96.6	106.5	96.6	81.7	44.6	22.3	49.5	52.0	27.2	12.4	12.4
102.5°	22.3	27.2	66.9	71.8	34.7	14.9	32.2	32.2	17.3	7.4	7.4
105°	22.3	19.8	44.6	57.0	19.8	9.9	14.9	19.8	9.9	5.0	5.0
107.5°	22.3	22.3	19.8	27.2	9.9	7.4	7.4	7.4	5.0	5.0	5.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.7	27.2	12.4	9.9	7.4	7.4	5.0	5.0	7.4	24.8	24.8
115°	24.8	22.3	12.4	7.4	7.4	7.4	5.0	2.5	7.4	27.2	27.2
117.5°	22.3	19.8	12.4	7.4	5.0	7.4	5.0	2.5	7.4	27.2	27.2
120°	24.8	22.3	12.4	7.4	5.0	5.0	5.0	2.5	7.4	24.8	24.8
122.5°	24.8	24.8	14.9	5.0	5.0	2.5	5.0	2.5	7.4	22.3	22.3
125°	22.3	19.8	12.4	5.0	2.5	2.5	2.5	2.5	9.9	19.8	22.3
127.5°	19.8	17.3	9.9	5.0	2.5	2.5	2.5	2.5	7.4	14.9	17.3
130°	14.9	14.9	7.4	5.0	2.5	2.5	2.5	2.5	7.4	14.9	12.4
132.5°	9.9	9.9	7.4	5.0	2.5	2.5	2.5	2.5	7.4	9.9	9.9
135°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.4	7.4
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	5.0	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	7.4	7.4	5.0
155°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	0.0	0.0	2.5	0.0
160°	0.0	0.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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110° | 22.3 22.3 7.4 9.9 5.0 5.0 5.0 7.4 9.9 9.9 22.3

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110°	24.8	22.3	9.9	9.9	7.4	7.4	5.0	5.0	2.5	14.9	17.3
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(END OF REPORT)