

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: P560978

Luminaire Tested: **SDL-PA1-70-827-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560978
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-PA1-70-827-U-T2U-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA 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: 5938.2 lumens
Efficiency: N/A
Efficacy: 82.2 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): 72.2
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



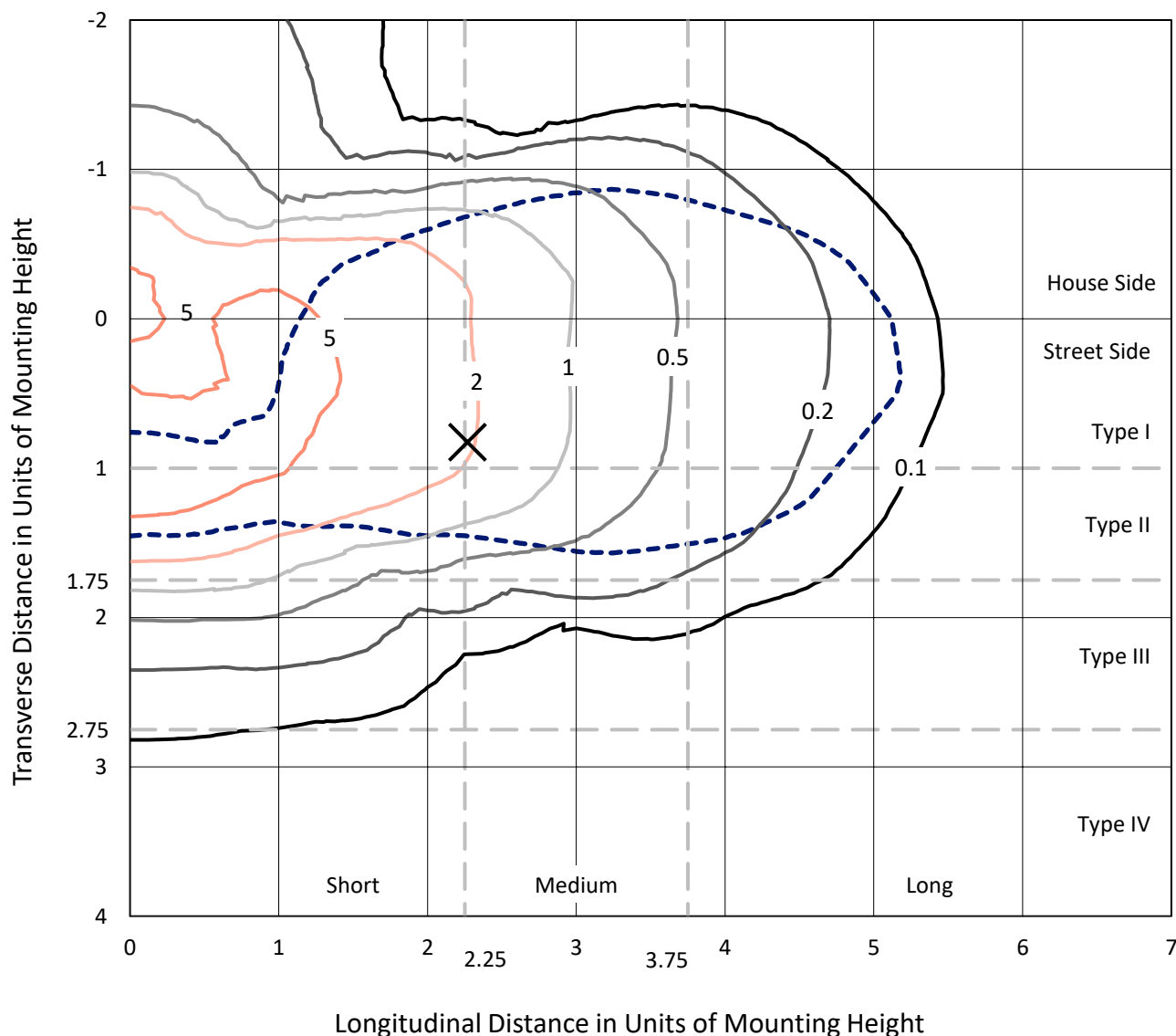
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

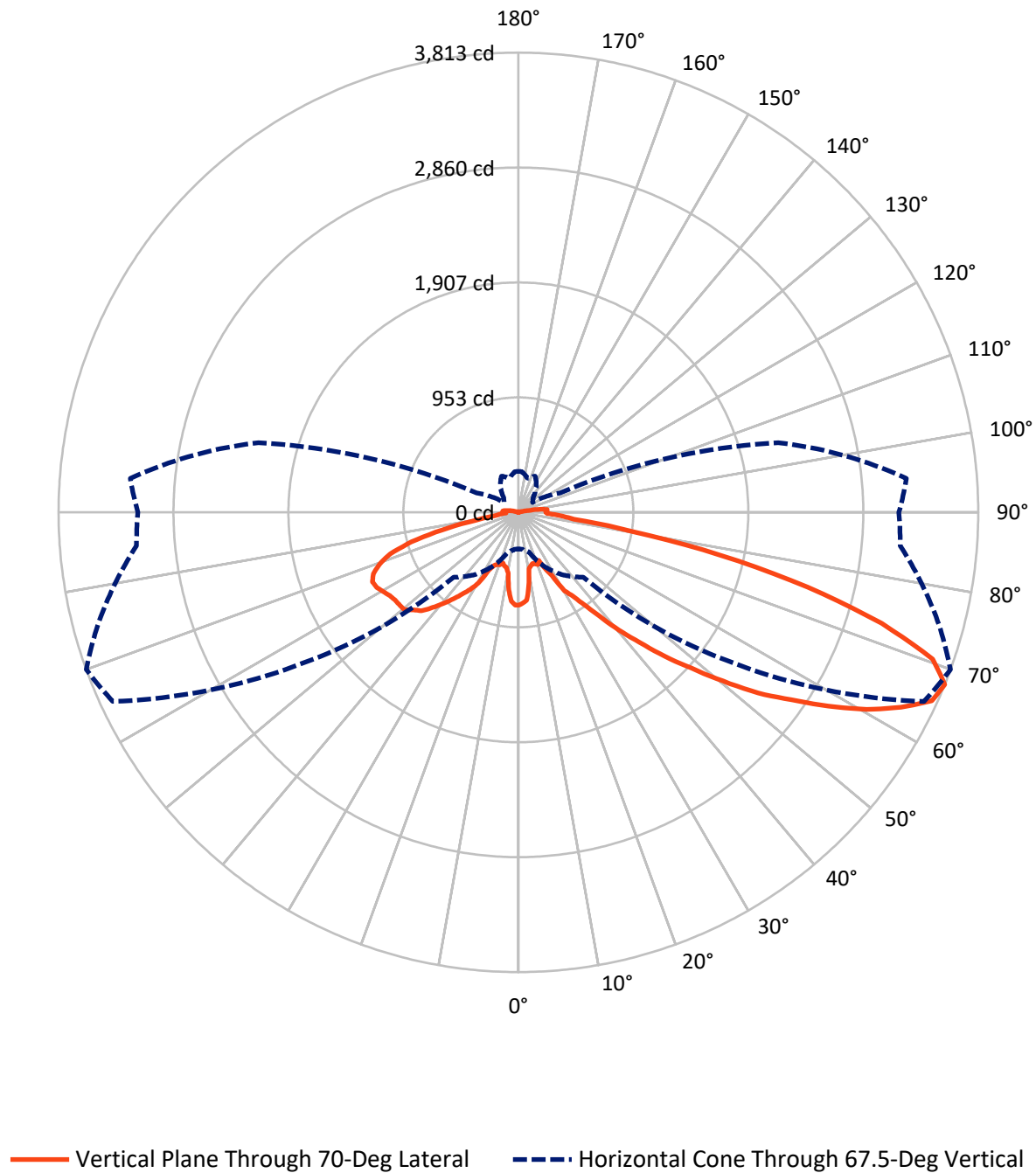


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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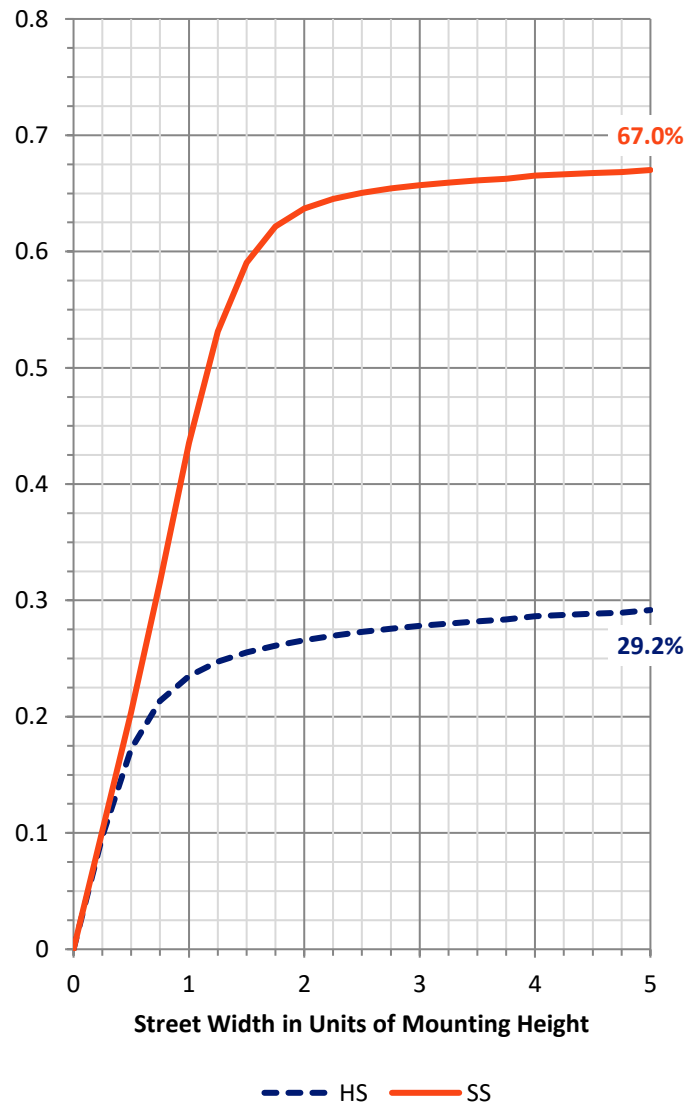
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1786.0	70.1	1856.1
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4014.3	67.7	4082.1
	% Fixture	67.6	1.1	68.7
Total	Lumens	5800.4	137.8	5938.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	1.0
10°-20°	142.5	2.4
20°-30°	252.7	4.3
30°-40°	532.5	9.0
40°-50°	995.6	16.8
50°-60°	1378.9	23.2
60°-70°	1329.6	22.4
70°-80°	874.1	14.7
80°-90°	232.9	3.9
90°-100°	95.5	1.6
100°-110°	20.9	0.4
110°-120°	9.0	0.2
120°-130°	6.5	0.1
130°-140°	2.9	0.0
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5800.4	97.7
0°-180°	5938.2	100.0

Coefficient of Utilization



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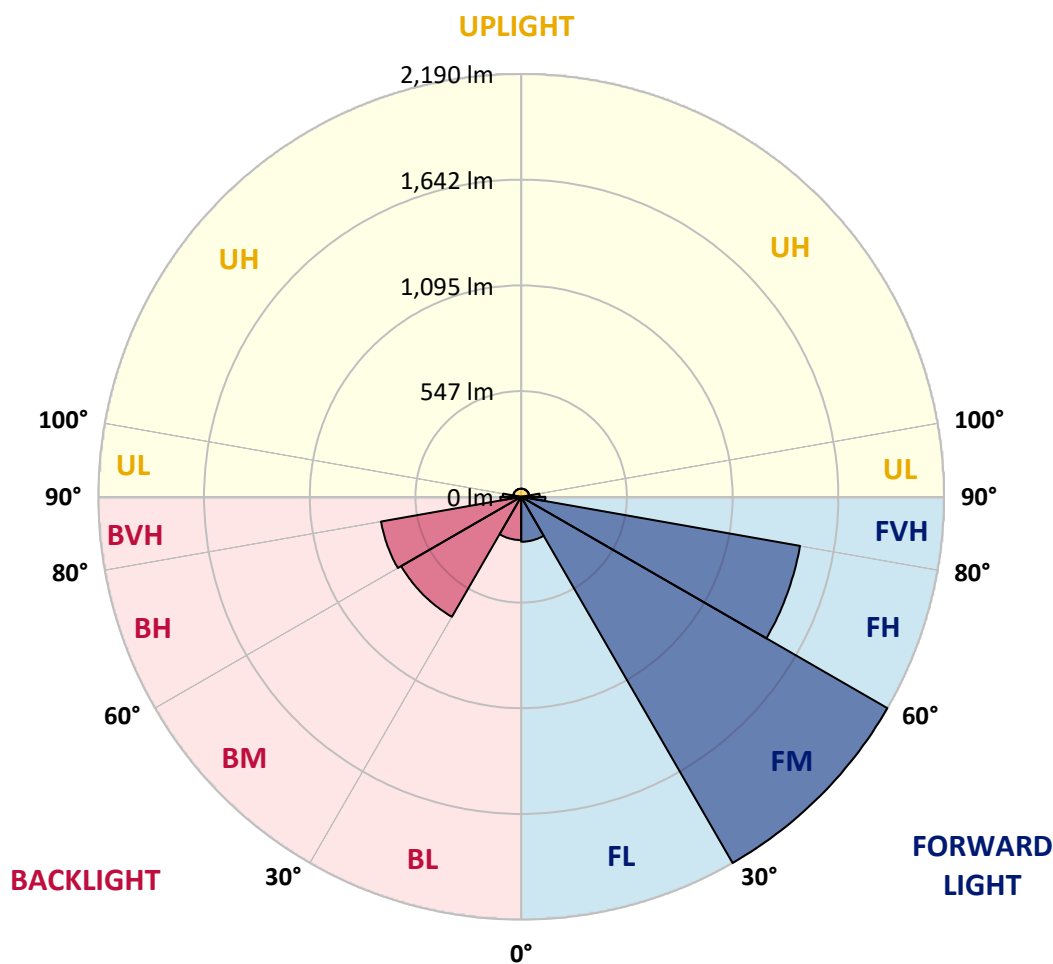
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.7	3.9			
FM	(30°-60°)	2189.9	36.9			
FH	(60°-80°)	1466.4	24.7			G1/1800
FVH	(80°-90°)	125.3	2.1			G2/225
BL	(0°-30°)	224.1	3.8	B1/500		
BM	(30°-60°)	717.1	12.1	B1/1000		
BH	(60°-80°)	737.3	12.4	B2/1000		G2/1000
BVH	(80°-90°)	107.6	1.8			G2/225
UL	(90°-100°)	95.5	1.6		U3/500	
UH	(100°-180°)	42.3	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°	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5
2.5°	641.5	693.7	677.8	727.7	739.0	750.4	752.6	754.9	752.6	754.9	759.4
5°	605.3	607.5	609.8	614.3	614.3	618.9	627.9	723.2	732.2	739.0	748.1
7.5°	505.5	528.2	571.3	587.1	593.9	603.0	607.5	607.5	616.6	639.3	655.1
10°	562.2	557.7	559.9	562.2	530.5	523.7	476.1	469.3	476.1	491.9	566.7
12.5°	471.5	494.2	541.8	553.1	514.6	455.7	448.9	457.9	455.7	410.3	480.6
15°	546.3	544.1	539.5	530.5	430.7	451.1	387.6	392.2	439.8	471.5	537.3
17.5°	476.1	473.8	537.3	519.1	453.4	351.4	442.1	410.3	448.9	414.9	444.3
20°	591.7	589.4	582.6	433.0	462.5	467.0	428.5	396.7	462.5	478.3	539.5
22.5°	537.3	537.3	580.3	569.0	469.3	494.2	408.1	482.9	433.0	439.8	408.1
25°	739.0	732.2	723.2	528.2	564.5	453.4	505.5	444.3	516.9	559.9	587.1
27.5°	716.4	702.8	693.7	700.5	566.7	593.9	501.0	553.1	596.2	614.3	684.6
30°	1006.5	988.4	961.2	734.5	705.0	607.5	605.3	684.6	754.9	811.6	850.1
32.5°	1283.1	1287.6	1147.1	986.1	779.8	811.6	720.9	802.5	825.2	884.1	906.8
35°	1645.8	1600.5	1512.1	1231.0	949.9	918.1	838.8	915.8	938.5	995.2	1008.8
37.5°	1931.4	1933.7	1797.7	1480.3	1138.0	1110.8	972.5	1051.9	1092.7	1156.1	1133.5
40°	2205.7	2217.1	2108.3	1736.5	1376.0	1301.2	1133.5	1226.4	1283.1	1321.6	1283.1
42.5°	2450.6	2448.3	2373.5	2019.8	1598.2	1555.1	1303.5	1423.6	1473.5	1509.8	1480.3
45°	2643.3	2636.5	2568.4	2251.1	1861.2	1920.1	1525.7	1650.3	1702.5	1743.3	1670.7
47.5°	2709.0	2672.7	2643.3	2418.8	2106.0	2242.0	1800.0	1870.2	1931.4	2001.7	1883.8
50°	2638.7	2591.1	2602.5	2498.2	2312.3	2511.8	2094.7	2124.1	2198.9	2260.1	2085.6
52.5°	2346.3	2335.0	2398.4	2418.8	2400.7	2718.1	2425.6	2341.8	2489.1	2495.9	2294.1
55°	1960.9	1947.3	2096.9	2180.8	2316.8	2799.7	2706.7	2647.8	2743.0	2731.7	2480.0
57.5°	1580.1	1571.0	1707.0	1845.3	2081.1	2754.3	2904.0	2983.3	3030.9	2967.4	2652.3
60°	1058.7	1076.8	1310.3	1496.2	1702.5	2482.3	2978.8	3296.1	3318.8	3182.8	2833.7
62.5°	675.5	700.5	850.1	1153.9	1271.8	2015.3	2924.4	3575.0	3561.4	3377.7	3001.4
65°	433.0	442.1	514.6	782.1	911.3	1335.2	2681.8	3765.4	3767.7	3552.3	3135.2
67.5°	303.8	306.0	340.0	487.4	630.2	759.4	2180.8	3711.0	3813.0	3611.2	3178.3
70°	272.0	274.3	283.4	331.0	478.3	471.5	1321.6	3316.5	3645.2	3534.2	3112.5
72.5°	242.6	244.8	260.7	287.9	367.2	369.5	632.5	2641.0	3151.1	3259.9	2917.6
75°	201.8	206.3	224.4	269.8	283.4	310.6	423.9	1856.6	2480.0	2808.7	2686.3
77.5°	170.0	172.3	185.9	229.0	247.1	251.6	362.7	1029.2	1713.8	2067.5	2366.7
80°	136.0	136.0	147.4	181.4	204.0	206.3	324.2	544.1	949.9	1251.4	1645.8
82.5°	88.4	90.7	104.3	136.0	151.9	204.0	287.9	396.7	464.7	603.0	748.1
85°	56.7	56.7	65.7	77.1	90.7	156.4	253.9	328.7	346.8	378.6	340.0
87.5°	27.2	27.2	24.9	29.5	34.0	58.9	176.8	233.5	235.8	231.2	249.4
90°	22.7	22.7	18.1	20.4	22.7	31.7	133.7	229.0	226.7	235.8	258.4
92.5°	24.9	24.9	18.1	20.4	22.7	27.2	97.5	231.2	238.0	249.4	274.3
95°	27.2	27.2	18.1	18.1	20.4	24.9	61.2	199.5	240.3	251.6	283.4
97.5°	24.9	24.9	13.6	15.9	18.1	22.7	38.5	149.6	188.2	197.2	224.4
100°	22.7	22.7	11.3	13.6	15.9	18.1	24.9	77.1	81.6	61.2	86.1
102.5°	20.4	22.7	9.1	11.3	11.3	11.3	15.9	36.3	36.3	20.4	22.7
105°	20.4	22.7	9.1	9.1	6.8	9.1	9.1	13.6	15.9	11.3	18.1
107.5°	22.7	22.7	9.1	9.1	6.8	6.8	6.8	9.1	11.3	9.1	18.1
110°	20.4	20.4	6.8	9.1	4.5	4.5	4.5	6.8	9.1	9.1	20.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.6	13.6	6.8	9.1	4.5	4.5	4.5	6.8	9.1	11.3	24.9
115°	11.3	9.1	4.5	6.8	4.5	4.5	4.5	6.8	6.8	9.1	20.4
117.5°	11.3	9.1	4.5	4.5	2.3	4.5	4.5	6.8	6.8	9.1	18.1
120°	11.3	11.3	4.5	2.3	2.3	2.3	2.3	4.5	6.8	11.3	20.4
122.5°	13.6	11.3	4.5	4.5	2.3	2.3	2.3	4.5	6.8	11.3	20.4
125°	13.6	13.6	6.8	4.5	2.3	2.3	2.3	4.5	6.8	9.1	18.1
127.5°	13.6	11.3	6.8	4.5	2.3	2.3	2.3	2.3	4.5	6.8	15.9
130°	11.3	11.3	6.8	2.3	2.3	2.3	2.3	2.3	4.5	4.5	11.3
132.5°	9.1	9.1	6.8	2.3	2.3	2.3	2.3	2.3	2.3	4.5	9.1
135°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	6.8
137.5°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3
150°	4.5	4.5	9.1	6.8	4.5	2.3	4.5	2.3	2.3	2.3	2.3
152.5°	6.8	6.8	9.1	6.8	2.3	2.3	2.3	4.5	2.3	2.3	2.3
155°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3	4.5	4.5	6.8
157.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	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°	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5
2.5°	761.7	761.7	768.5	770.8	768.5	766.2	752.6	711.8	686.9	689.2	689.2
5°	750.4	752.6	759.4	718.6	668.7	673.3	680.1	682.4	682.4	686.9	686.9
7.5°	661.9	664.2	646.1	652.9	668.7	680.1	684.6	673.3	637.0	623.4	623.4
10°	573.5	573.5	510.1	512.3	530.5	564.5	671.0	682.4	693.7	696.0	693.7
12.5°	485.1	487.4	435.3	501.0	478.3	539.5	618.9	684.6	632.5	580.3	587.1
15°	541.8	546.3	489.7	430.7	442.1	532.7	462.5	634.7	639.3	639.3	639.3
17.5°	435.3	460.2	433.0	444.3	489.7	401.2	523.7	580.3	532.7	519.1	519.1
20°	541.8	541.8	494.2	428.5	453.4	521.4	464.7	516.9	607.5	607.5	605.3
22.5°	403.5	403.5	433.0	496.5	455.7	514.6	491.9	535.0	482.9	482.9	496.5
25°	582.6	575.8	525.9	439.8	519.1	476.1	494.2	467.0	546.3	553.1	548.6
27.5°	702.8	698.2	564.5	505.5	487.4	507.8	444.3	435.3	419.4	482.9	476.1
30°	832.0	820.6	739.0	609.8	535.0	428.5	401.2	417.1	462.5	464.7	462.5
32.5°	893.2	868.2	777.6	730.0	546.3	442.1	360.4	371.8	460.2	487.4	487.4
35°	977.1	949.9	847.8	795.7	544.1	389.9	319.6	360.4	414.9	417.1	417.1
37.5°	1092.7	1051.9	965.7	834.2	507.8	344.6	294.7	319.6	358.2	369.5	374.0
40°	1226.4	1174.3	1097.2	859.2	455.7	290.2	263.0	294.7	324.2	315.1	315.1
42.5°	1414.6	1337.5	1226.4	897.7	389.9	256.2	240.3	269.8	290.2	294.7	292.4
45°	1591.4	1496.2	1378.3	911.3	317.4	231.2	224.4	256.2	276.6	269.8	269.8
47.5°	1790.9	1670.7	1491.7	879.6	260.7	217.6	224.4	247.1	256.2	267.5	267.5
50°	1988.1	1858.9	1657.1	829.7	231.2	208.6	224.4	238.0	256.2	263.0	260.7
52.5°	2167.2	2053.9	1756.9	741.3	215.4	201.8	217.6	238.0	260.7	272.0	272.0
55°	2362.2	2246.5	1847.6	661.9	201.8	188.2	224.4	247.1	253.9	260.7	260.7
57.5°	2509.5	2418.8	1947.3	591.7	192.7	188.2	229.0	258.4	256.2	263.0	263.0
60°	2688.6	2609.3	2038.0	557.7	179.1	179.1	238.0	278.8	260.7	281.1	281.1
62.5°	2879.0	2831.4	2126.4	532.7	165.5	174.6	240.3	294.7	269.8	301.5	303.8
65°	3062.6	3071.7	2208.0	473.8	154.2	174.6	244.8	315.1	278.8	319.6	324.2
67.5°	3155.6	3230.4	2230.7	380.8	142.8	172.3	258.4	331.0	292.4	337.8	340.0
70°	3137.5	3234.9	2178.5	281.1	133.7	181.4	278.8	344.6	299.2	360.4	360.4
72.5°	2978.8	3049.0	2024.4	213.1	124.7	174.6	283.4	349.1	303.8	396.7	396.7
75°	2754.3	2681.8	1666.2	176.8	117.9	174.6	276.6	344.6	299.2	387.6	385.4
77.5°	2389.4	2146.8	1149.3	156.4	111.1	167.8	258.4	335.5	285.6	360.4	365.0
80°	1532.5	1321.6	587.1	136.0	117.9	161.0	249.4	310.6	265.2	321.9	324.2
82.5°	698.2	587.1	267.5	120.1	115.6	145.1	226.7	276.6	231.2	274.3	272.0
85°	294.7	299.2	210.8	102.0	102.0	113.3	167.8	215.4	179.1	192.7	188.2
87.5°	229.0	219.9	145.1	61.2	65.7	49.9	108.8	154.2	117.9	124.7	122.4
90°	242.6	238.0	154.2	63.5	47.6	29.5	81.6	120.1	88.4	79.3	77.1
92.5°	258.4	256.2	172.3	68.0	47.6	24.9	70.3	97.5	63.5	54.4	52.1
95°	276.6	276.6	188.2	72.5	47.6	24.9	63.5	74.8	47.6	36.3	34.0
97.5°	219.9	224.4	161.0	74.8	45.3	24.9	56.7	61.2	36.3	20.4	20.4
100°	88.4	97.5	88.4	74.8	40.8	20.4	45.3	47.6	24.9	11.3	11.3
102.5°	20.4	24.9	61.2	65.7	31.7	13.6	29.5	29.5	15.9	6.8	6.8
105°	20.4	18.1	40.8	52.1	18.1	9.1	13.6	18.1	9.1	4.5	4.5
107.5°	20.4	20.4	18.1	24.9	9.1	6.8	6.8	6.8	4.5	4.5	4.5
110°	22.7	20.4	9.1	9.1	6.8	6.8	4.5	4.5	2.3	13.6	15.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.2	24.9	11.3	9.1	6.8	6.8	4.5	4.5	6.8	22.7	22.7
115°	22.7	20.4	11.3	6.8	6.8	6.8	4.5	2.3	6.8	24.9	24.9
117.5°	20.4	18.1	11.3	6.8	4.5	6.8	4.5	2.3	6.8	24.9	24.9
120°	22.7	20.4	11.3	6.8	4.5	4.5	4.5	2.3	6.8	22.7	22.7
122.5°	22.7	22.7	13.6	4.5	4.5	2.3	4.5	2.3	6.8	20.4	20.4
125°	20.4	18.1	11.3	4.5	2.3	2.3	2.3	2.3	9.1	18.1	20.4
127.5°	18.1	15.9	9.1	4.5	2.3	2.3	2.3	2.3	6.8	13.6	15.9
130°	13.6	13.6	6.8	4.5	2.3	2.3	2.3	2.3	6.8	13.6	11.3
132.5°	9.1	9.1	6.8	4.5	2.3	2.3	2.3	2.3	6.8	9.1	9.1
135°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	4.5	6.8	6.8
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	4.5	2.3	2.3	4.5	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	6.8	6.8	4.5
155°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	4.5	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	0.0	0.0	2.3	0.0
160°	0.0	0.0	2.3	2.3	2.3	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

(END OF REPORT)