

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: P691721

Luminaire Tested: **CRTK2-C018-D-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5896 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 50.4
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



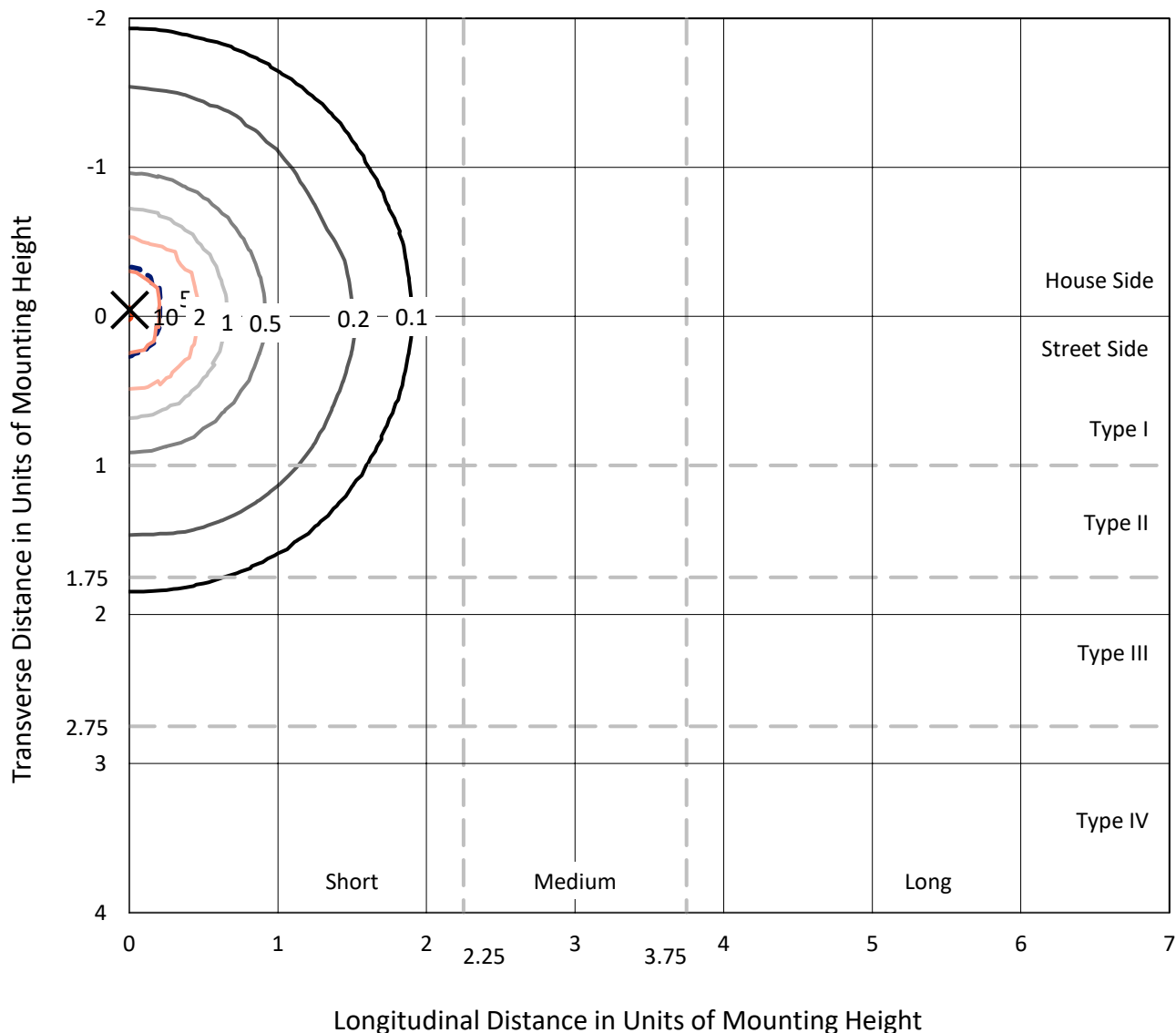
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

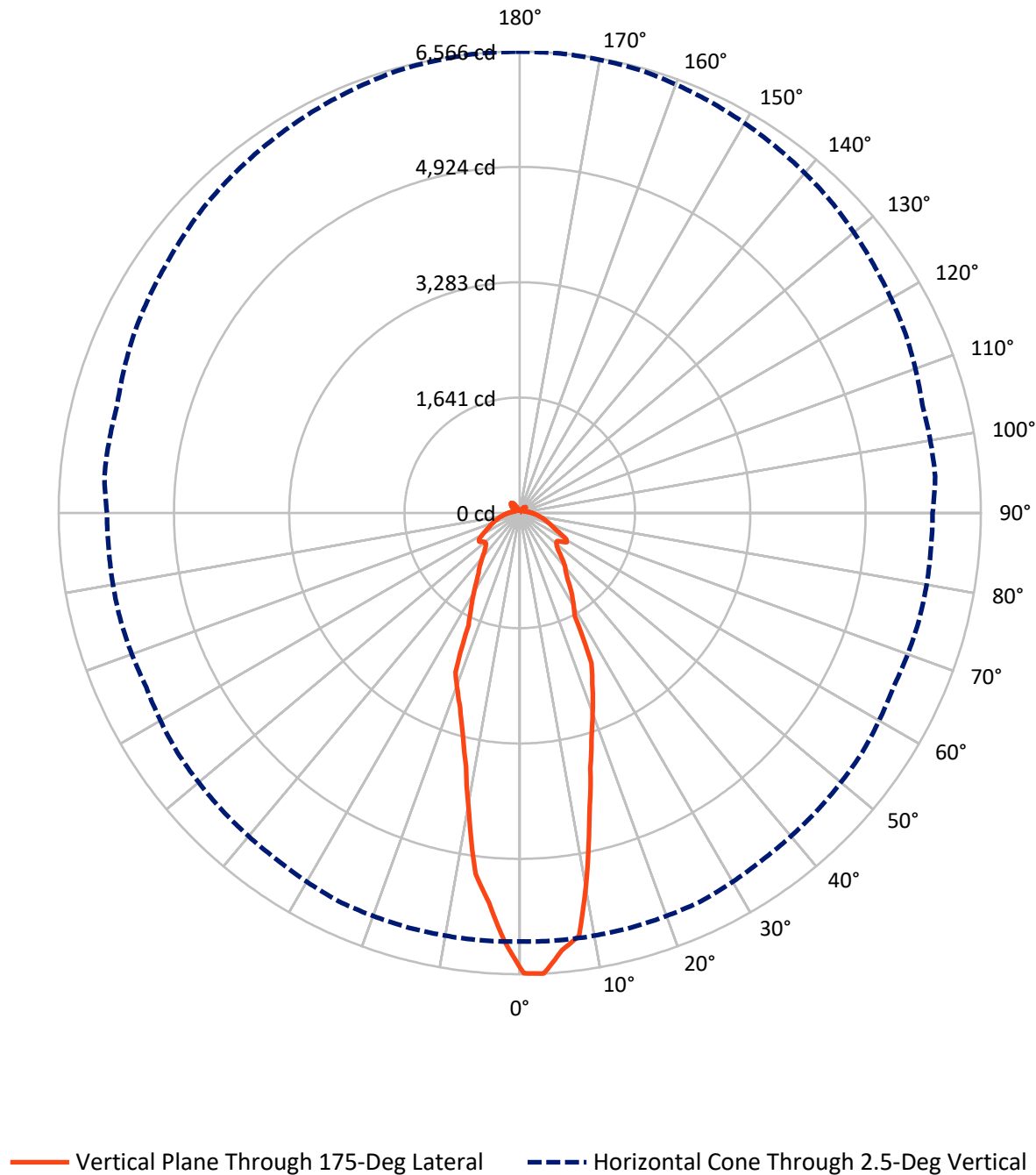


Based on 25 foot mounting height. Maximum calculated value = 10.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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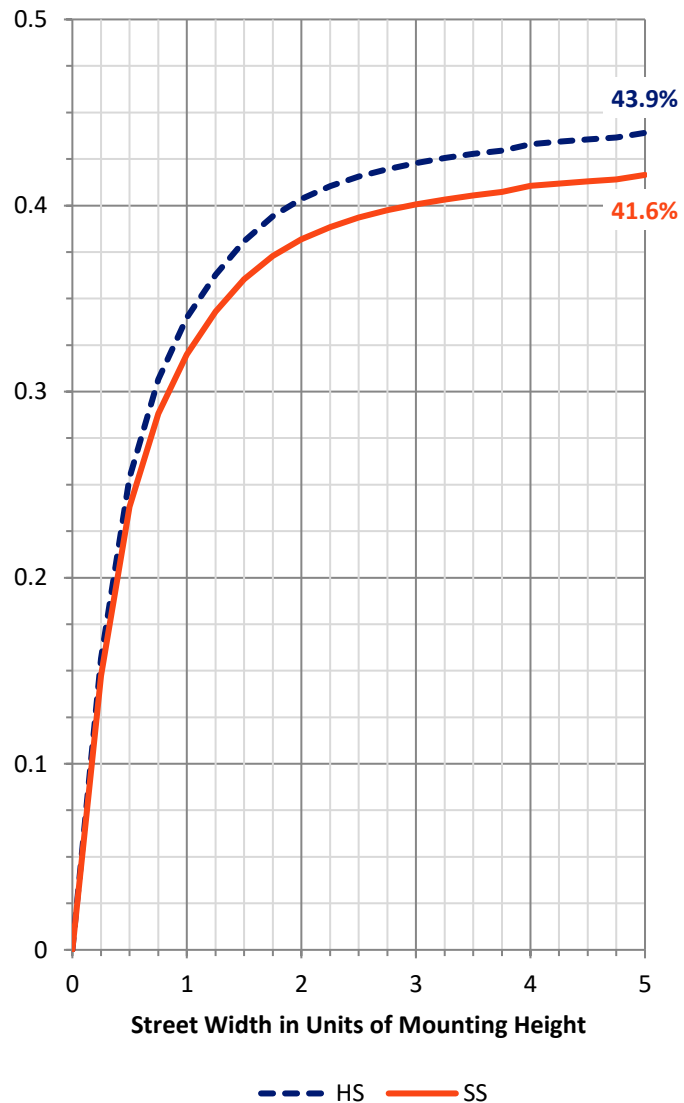
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2668.4	352.5	3020.9
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	2513.3	361.8	2875.1
	% Fixture	42.6	6.1	48.8
Total	Lumens	5181.7	714.3	5896.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.8	8.3
10°-20°	856.2	14.5
20°-30°	849.0	14.4
30°-40°	654.5	11.1
40°-50°	561.1	9.5
50°-60°	627.5	10.6
60°-70°	537.6	9.1
70°-80°	370.0	6.3
80°-90°	238.1	4.0
90°-100°	142.7	2.4
100°-110°	84.9	1.4
110°-120°	78.6	1.3
120°-130°	112.1	1.9
130°-140°	144.9	2.5
140°-150°	107.3	1.8
150°-160°	39.2	0.7
160°-170°	4.6	0.1
170°-180°	0.0	0.0
0°-90°	5181.7	87.9
0°-180°	5896.0	100.0

Coefficient of Utilization



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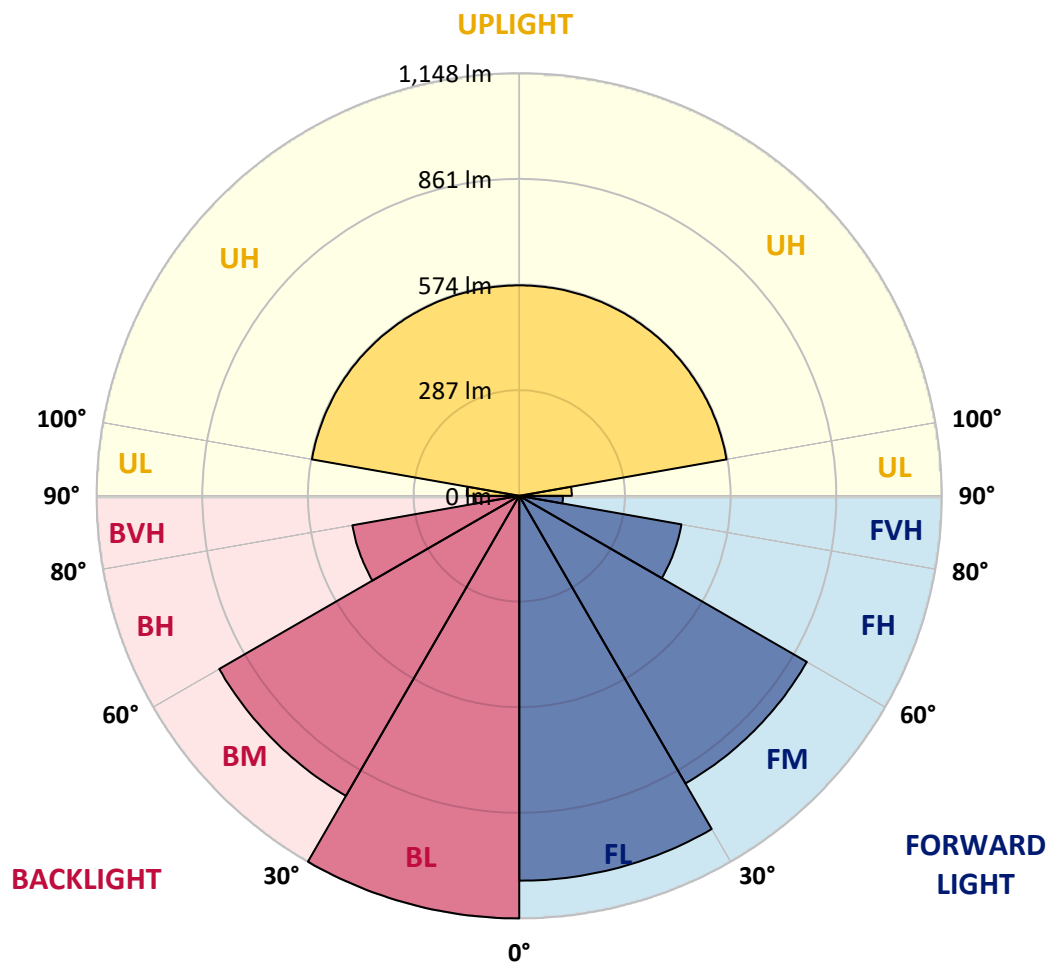
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1045.2	17.7			
FM	(30°-60°)	902.1	15.3			
FH	(60°-80°)	447.2	7.6			G0/660
FVH	(80°-90°)	118.7	2.0			G2/225
BL	(0°-30°)	1147.7	19.5	B3/2500		
BM	(30°-60°)	941.0	16.0	B1/1000		
BH	(60°-80°)	460.4	7.8	B1/500		G0/660
BVH	(80°-90°)	119.4	2.0			G2/225
UL	(90°-100°)	142.7	2.4		U3/500	
UH	(100°-180°)	571.6	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2
2.5°	6099.7	6108.6	6110.8	6099.7	6026.5	5988.8	5948.9	5869.1	5886.8	5875.7	5877.9
5°	5531.9	5567.4	5511.9	5496.4	5385.5	5303.4	5223.6	5137.1	5117.1	5081.6	5094.9
7.5°	5154.8	5174.8	5083.9	4990.7	4813.2	4686.8	4553.7	4420.6	4320.8	4283.1	4298.7
10°	4292.0	4358.5	4267.6	4172.2	4003.6	3852.8	3713.1	3582.2	3491.3	3462.4	3466.9
12.5°	3648.8	3686.5	3608.8	3544.5	3356.0	3211.8	3083.1	2961.1	2887.9	2856.9	2856.9
15°	3222.9	3238.4	3178.5	3054.3	2912.3	2781.5	2672.8	2584.1	2524.2	2513.1	2517.5
17.5°	2901.3	2901.3	2841.4	2743.8	2635.1	2519.7	2444.3	2377.8	2351.2	2360.0	2362.3
20°	2659.5	2661.7	2608.5	2513.1	2419.9	2315.7	2253.6	2207.0	2191.5	2207.0	2209.2
22.5°	2431.0	2442.1	2384.4	2313.5	2211.4	2129.4	2078.3	2027.3	2018.5	2025.1	2025.1
25°	1758.9	1758.9	1739.0	1683.5	1705.7	1714.6	1774.5	1903.1	1876.5	1900.9	1898.7
27.5°	1517.2	1526.0	1486.1	1437.3	1386.3	1326.4	1315.3	1304.2	1293.1	1344.2	1361.9
30°	1339.7	1344.2	1310.9	1277.6	1235.5	1202.2	1193.3	1193.3	1182.2	1222.2	1219.9
32.5°	1171.1	1164.5	1155.6	1124.6	1098.0	1069.1	1075.8	1071.3	1071.3	1106.8	1109.0
35°	1038.1	1035.8	1029.2	1007.0	980.4	958.2	964.9	969.3	967.1	989.3	989.3
37.5°	940.5	942.7	938.3	929.4	902.8	885.0	889.5	885.0	891.7	907.2	907.2
40°	845.1	845.1	847.3	845.1	827.3	820.7	834.0	827.3	842.9	854.0	849.5
42.5°	754.1	756.4	760.8	756.4	745.3	738.6	745.3	747.5	769.7	785.2	783.0
45°	696.5	696.5	698.7	696.5	687.6	681.0	681.0	674.3	689.8	698.7	696.5
47.5°	658.8	658.8	663.2	661.0	656.6	649.9	645.5	636.6	643.2	649.9	643.2
50°	645.5	645.5	654.3	654.3	652.1	645.5	638.8	627.7	629.9	634.4	625.5
52.5°	665.4	665.4	681.0	687.6	687.6	676.5	667.6	652.1	652.1	656.6	643.2
55°	707.6	707.6	732.0	745.3	747.5	747.5	736.4	720.9	723.1	732.0	718.7
57.5°	692.0	694.3	714.2	732.0	743.1	749.7	749.7	740.8	747.5	769.7	763.0
60°	618.8	623.3	636.6	652.1	672.1	678.7	678.7	676.5	687.6	714.2	714.2
62.5°	550.1	552.3	559.0	572.3	583.4	587.8	587.8	578.9	592.2	605.5	601.1
65°	496.9	494.6	507.9	519.0	525.7	532.3	525.7	516.8	523.5	532.3	530.1
67.5°	452.5	452.5	463.6	472.5	476.9	483.5	479.1	474.7	483.5	488.0	483.5
70°	410.3	412.6	421.4	428.1	432.5	439.2	432.5	430.3	439.2	443.6	441.4
72.5°	368.2	370.4	377.1	385.9	390.4	392.6	390.4	388.2	394.8	399.3	399.3
75°	330.5	332.7	337.1	346.0	346.0	350.5	348.2	346.0	352.7	357.1	357.1
77.5°	295.0	299.4	301.7	308.3	310.5	312.8	310.5	310.5	315.0	319.4	321.6
80°	264.0	266.2	268.4	275.0	275.0	277.3	275.0	275.0	279.5	286.1	286.1
82.5°	235.1	237.3	239.6	244.0	241.8	244.0	244.0	244.0	248.4	255.1	255.1
85°	206.3	210.7	210.7	215.2	215.2	215.2	215.2	217.4	219.6	226.2	226.2
87.5°	181.9	184.1	186.3	188.5	188.5	190.8	190.8	193.0	195.2	199.6	201.8
90°	157.5	159.7	161.9	161.9	161.9	164.1	164.1	166.4	168.6	173.0	175.2
92.5°	139.7	142.0	142.0	144.2	144.2	144.2	146.4	148.6	150.8	155.3	155.3
95°	124.2	126.4	126.4	126.4	126.4	128.6	128.6	130.9	133.1	137.5	137.5
97.5°	110.9	110.9	110.9	110.9	110.9	113.1	113.1	115.3	117.6	119.8	119.8
100°	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.8	99.8	104.3	104.3
102.5°	86.5	86.5	84.3	84.3	84.3	82.1	82.1	84.3	84.3	86.5	86.5
105°	77.6	77.6	77.6	77.6	75.4	75.4	75.4	75.4	75.4	77.6	77.6
107.5°	75.4	75.4	73.2	73.2	73.2	71.0	71.0	71.0	71.0	73.2	73.2
110°	73.2	73.2	73.2	73.2	71.0	71.0	68.8	68.8	68.8	71.0	71.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	75.4	75.4	75.4	73.2	73.2	71.0	71.0	71.0	71.0	71.0	73.2
115°	79.9	77.6	77.6	77.6	77.6	75.4	73.2	73.2	75.4	75.4	75.4
117.5°	86.5	84.3	84.3	86.5	84.3	82.1	79.9	79.9	82.1	82.1	84.3
120°	95.4	93.2	95.4	95.4	95.4	93.2	90.9	88.7	90.9	93.2	93.2
122.5°	106.5	104.3	106.5	108.7	108.7	106.5	102.0	102.0	104.3	106.5	108.7
125°	119.8	119.8	122.0	124.2	126.4	122.0	119.8	117.6	122.0	124.2	124.2
127.5°	135.3	133.1	137.5	144.2	146.4	142.0	137.5	135.3	139.7	144.2	144.2
130°	150.8	148.6	155.3	161.9	166.4	161.9	157.5	155.3	159.7	164.1	164.1
132.5°	164.1	161.9	170.8	179.7	184.1	181.9	177.4	173.0	179.7	184.1	181.9
135°	175.2	175.2	186.3	195.2	199.6	197.4	193.0	188.5	197.4	201.8	197.4
137.5°	181.9	181.9	195.2	204.1	208.5	208.5	206.3	201.8	210.7	212.9	206.3
140°	181.9	184.1	195.2	204.1	206.3	208.5	208.5	206.3	215.2	215.2	208.5
142.5°	175.2	177.4	188.5	197.4	199.6	201.8	204.1	201.8	208.5	208.5	204.1
145°	164.1	166.4	177.4	186.3	186.3	188.5	193.0	190.8	195.2	197.4	193.0
147.5°	148.6	150.8	159.7	164.1	166.4	170.8	175.2	175.2	177.4	179.7	177.4
150°	128.6	128.6	135.3	139.7	142.0	146.4	150.8	153.0	153.0	155.3	153.0
152.5°	102.0	102.0	106.5	110.9	113.1	119.8	122.0	124.2	126.4	128.6	126.4
155°	77.6	77.6	79.9	82.1	84.3	90.9	93.2	95.4	97.6	99.8	97.6
157.5°	55.5	55.5	57.7	59.9	62.1	66.5	68.8	71.0	71.0	73.2	73.2
160°	35.5	37.7	37.7	39.9	39.9	44.4	46.6	46.6	48.8	51.0	51.0
162.5°	17.7	20.0	20.0	22.2	24.4	26.6	28.8	28.8	31.1	31.1	31.1
165°	4.4	6.7	6.7	8.9	8.9	11.1	13.3	13.3	15.5	15.5	15.5
167.5°	0.0	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	4.4	4.4
170°	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.2	2.2	2.2	2.2
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2	6552.2
2.5°	5937.8	5933.4	6055.4	6153.0	6268.3	6359.3	6448.0	6532.3	6565.5	6563.3	6565.5
5°	5154.8	5232.5	5392.2	5549.7	5736.0	5911.2	6075.3	6184.0	6252.8	6252.8	6259.4
7.5°	4369.6	4493.8	4691.3	4941.9	5221.4	5449.8	5727.1	5922.3	6077.6	6073.1	6102.0
10°	3529.0	3626.6	3824.0	4092.4	4400.7	4664.6	4906.4	5088.3	5239.1	5230.2	5268.0
12.5°	2899.0	2967.8	3138.6	3382.6	3664.3	3919.4	4156.7	4298.7	4405.1	4402.9	4422.9
15°	2528.6	2599.6	2710.5	2879.1	3112.0	3338.2	3575.6	3704.2	3764.1	3757.4	3790.7
17.5°	2377.8	2406.6	2475.4	2588.5	2757.1	2941.2	3129.7	3240.6	3309.4	3300.5	3324.9
20°	2215.9	2242.5	2289.1	2373.4	2493.1	2632.9	2792.6	2914.6	2965.6	2963.4	2978.9
22.5°	2029.5	2042.9	2093.9	2160.4	2246.9	2360.0	2482.0	2592.9	2644.0	2641.7	2657.3
25°	1900.9	1923.1	1954.1	1994.1	2053.9	2142.7	2244.7	2322.3	2368.9	2364.5	2384.4
27.5°	1388.5	1410.7	1426.2	1450.6	1452.8	1526.0	1561.5	1625.9	1668.0	1665.8	1679.1
30°	1219.9	1224.4	1237.7	1271.0	1290.9	1348.6	1419.6	1468.4	1503.9	1517.2	1526.0
32.5°	1113.5	1126.8	1142.3	1157.8	1182.2	1217.7	1273.2	1317.5	1355.3	1361.9	1377.4
35°	991.5	1000.4	1011.4	1027.0	1042.5	1071.3	1113.5	1149.0	1177.8	1188.9	1197.8
37.5°	905.0	907.2	918.3	936.0	949.3	973.7	1011.4	1038.1	1066.9	1069.1	1078.0
40°	847.3	849.5	860.6	876.1	891.7	907.2	940.5	964.9	984.8	987.0	993.7
42.5°	780.8	787.4	791.9	798.5	809.6	822.9	851.7	865.1	878.4	880.6	889.5
45°	689.8	692.0	696.5	703.1	716.4	729.8	749.7	765.2	774.1	774.1	771.9
47.5°	638.8	641.0	641.0	649.9	661.0	674.3	692.0	705.4	709.8	709.8	709.8
50°	621.1	621.1	616.6	623.3	634.4	643.2	661.0	672.1	674.3	676.5	678.7
52.5°	634.4	629.9	616.6	623.3	634.4	643.2	661.0	665.4	665.4	669.9	672.1
55°	707.6	700.9	674.3	678.7	692.0	703.1	716.4	718.7	723.1	729.8	727.5
57.5°	754.1	758.6	727.5	734.2	758.6	767.5	783.0	780.8	789.6	798.5	800.7
60°	709.8	723.1	698.7	707.6	736.4	740.8	756.4	747.5	760.8	760.8	760.8
62.5°	603.3	607.8	594.4	607.8	634.4	634.4	645.5	638.8	643.2	638.8	641.0
65°	527.9	525.7	510.2	527.9	536.8	541.2	550.1	552.3	552.3	547.9	547.9
67.5°	481.3	476.9	463.6	468.0	476.9	479.1	492.4	494.6	492.4	492.4	494.6
70°	439.2	432.5	419.2	421.4	428.1	430.3	441.4	445.8	443.6	441.4	443.6
72.5°	397.0	390.4	377.1	377.1	383.7	388.2	397.0	401.5	397.0	397.0	399.3
75°	357.1	350.5	337.1	337.1	341.6	343.8	354.9	357.1	354.9	352.7	354.9
77.5°	321.6	317.2	303.9	303.9	306.1	308.3	315.0	317.2	315.0	312.8	315.0
80°	288.4	281.7	272.8	270.6	272.8	272.8	279.5	281.7	277.3	277.3	279.5
82.5°	257.3	250.6	241.8	241.8	239.6	241.8	246.2	248.4	246.2	244.0	246.2
85°	228.5	224.0	215.2	212.9	212.9	212.9	217.4	217.4	215.2	215.2	215.2
87.5°	201.8	197.4	188.5	188.5	186.3	188.5	190.8	190.8	188.5	188.5	188.5
90°	175.2	170.8	164.1	164.1	161.9	164.1	166.4	166.4	164.1	164.1	164.1
92.5°	155.3	153.0	146.4	146.4	144.2	146.4	146.4	146.4	144.2	144.2	144.2
95°	137.5	135.3	130.9	128.6	128.6	128.6	128.6	128.6	126.4	126.4	126.4
97.5°	119.8	117.6	113.1	113.1	110.9	113.1	113.1	113.1	110.9	110.9	110.9
100°	104.3	102.0	99.8	99.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
102.5°	86.5	86.5	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
105°	77.6	77.6	77.6	77.6	79.9	79.9	79.9	77.6	77.6	77.6	77.6
107.5°	73.2	73.2	73.2	75.4	75.4	75.4	77.6	73.2	71.0	71.0	71.0
110°	71.0	71.0	73.2	73.2	75.4	75.4	77.6	68.8	66.5	66.5	66.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	73.2	73.2	73.2	75.4	77.6	77.6	79.9	68.8	66.5	66.5	66.5
115°	77.6	77.6	77.6	79.9	82.1	84.3	84.3	73.2	68.8	68.8	71.0
117.5°	84.3	84.3	84.3	86.5	90.9	90.9	90.9	77.6	75.4	75.4	75.4
120°	93.2	95.4	95.4	97.6	102.0	104.3	99.8	88.7	75.4	82.1	82.1
122.5°	106.5	108.7	110.9	113.1	119.8	119.8	113.1	102.0	82.1	90.9	93.2
125°	124.2	126.4	128.6	133.1	139.7	139.7	130.9	115.3	93.2	102.0	104.3
127.5°	142.0	146.4	148.6	155.3	164.1	164.1	153.0	133.1	104.3	110.9	113.1
130°	161.9	166.4	170.8	179.7	190.8	186.3	177.4	150.8	113.1	117.6	117.6
132.5°	179.7	186.3	188.5	201.8	212.9	208.5	197.4	161.9	117.6	117.6	115.3
135°	193.0	197.4	199.6	212.9	224.0	217.4	204.1	166.4	115.3	110.9	110.9
137.5°	201.8	206.3	208.5	217.4	226.2	215.2	197.4	157.5	110.9	108.7	106.5
140°	206.3	206.3	206.3	212.9	217.4	204.1	181.9	142.0	99.8	104.3	104.3
142.5°	201.8	199.6	197.4	201.8	204.1	188.5	168.6	126.4	90.9	95.4	95.4
145°	190.8	186.3	184.1	186.3	186.3	168.6	146.4	108.7	79.9	82.1	82.1
147.5°	175.2	168.6	164.1	164.1	161.9	144.2	124.2	90.9	68.8	66.5	66.5
150°	150.8	144.2	139.7	139.7	133.1	117.6	99.8	71.0	55.5	55.5	55.5
152.5°	124.2	117.6	113.1	113.1	106.5	90.9	75.4	53.2	42.1	42.1	42.1
155°	97.6	90.9	86.5	84.3	79.9	68.8	55.5	39.9	31.1	31.1	31.1
157.5°	73.2	68.8	64.3	62.1	57.7	51.0	39.9	28.8	20.0	22.2	22.2
160°	51.0	46.6	44.4	42.1	39.9	33.3	26.6	17.7	11.1	11.1	11.1
162.5°	31.1	28.8	28.8	26.6	24.4	22.2	15.5	8.9	4.4	4.4	4.4
165°	15.5	15.5	13.3	13.3	11.1	8.9	6.7	2.2	0.0	0.0	0.0
167.5°	4.4	4.4	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
170°	2.2	2.2	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)