

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: P690992

Luminaire Tested: **CRTK2-C01-D-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690992
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-C01-D-U-T5R-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7662 lumens
Efficiency: N/A
Efficacy: 125.6 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): 61
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



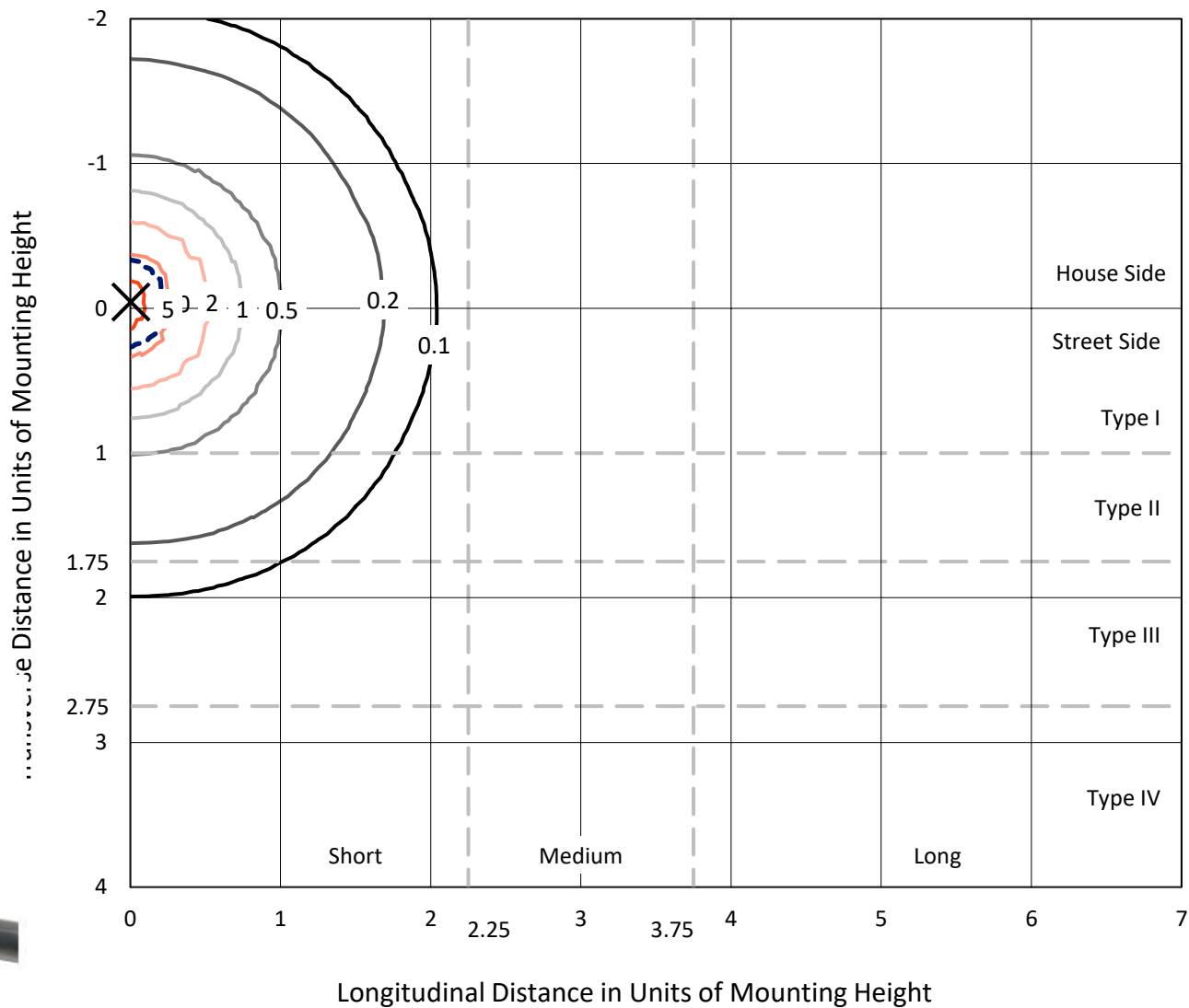
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

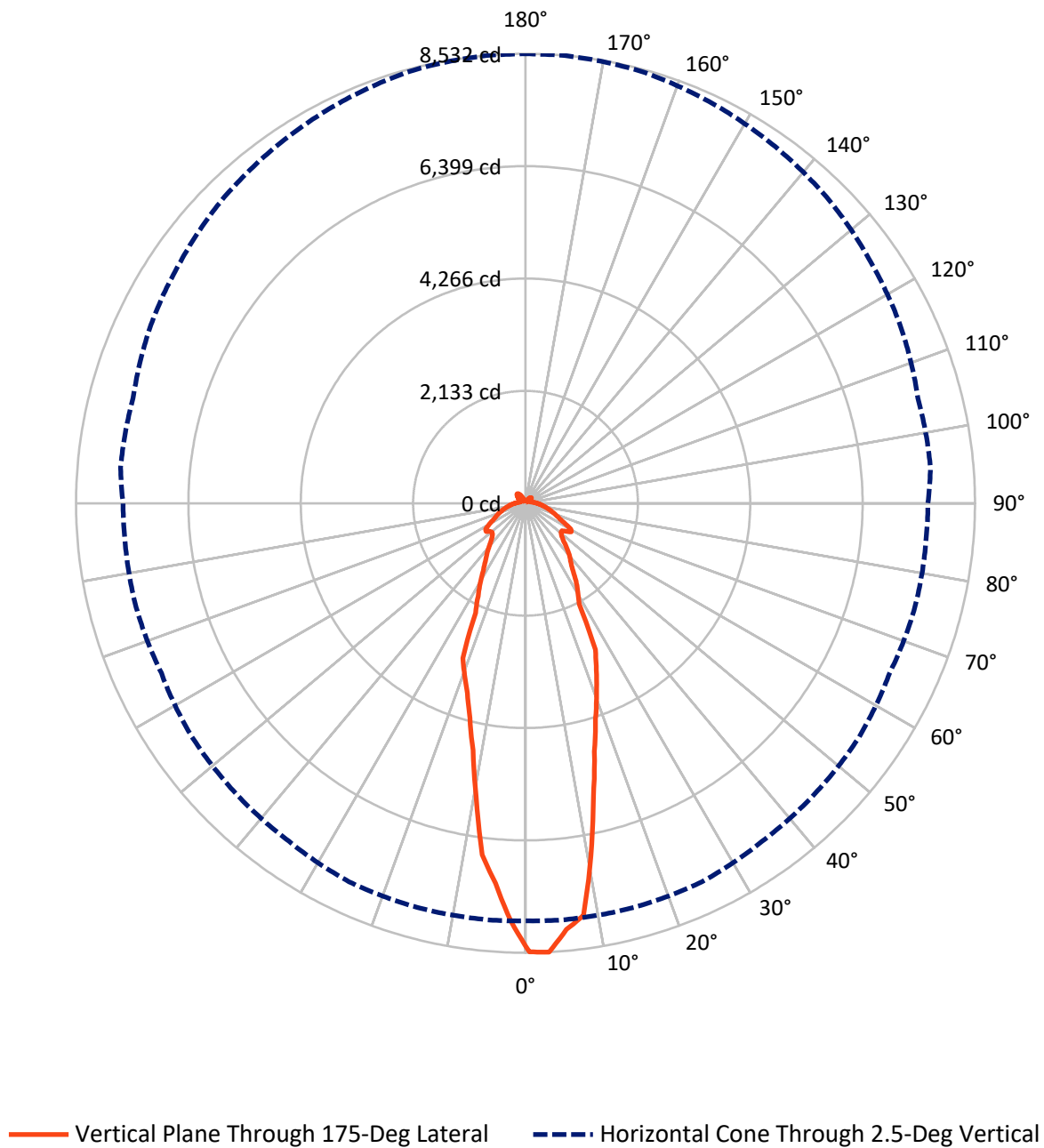


Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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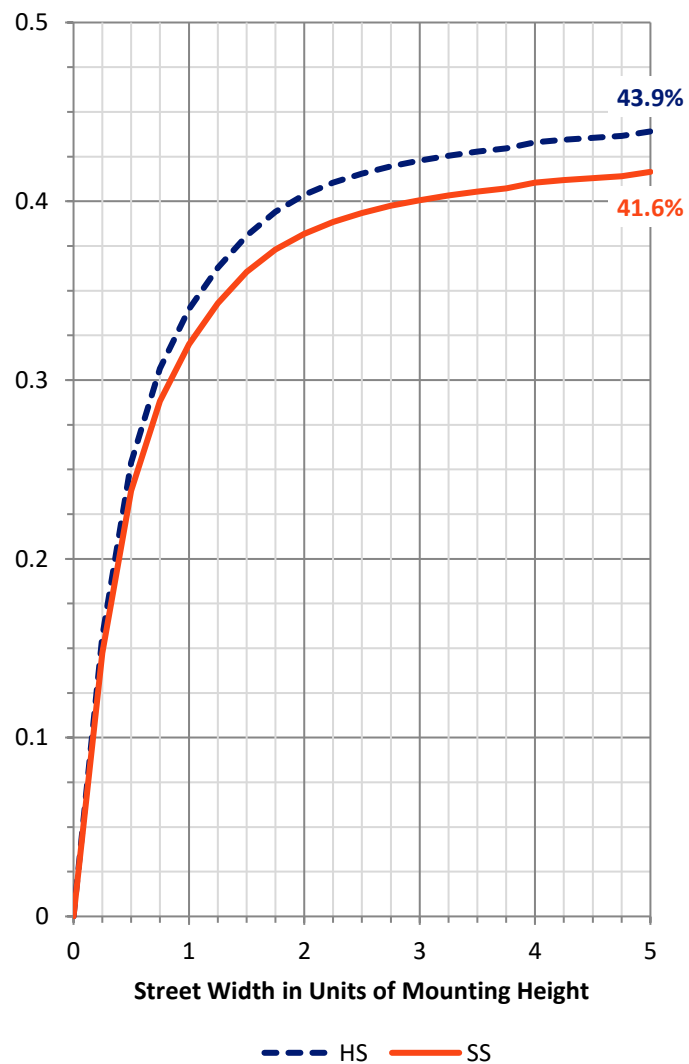
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3467.7	458.1	3925.8
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3266.0	470.2	3736.2
	% Fixture	42.6	6.1	48.8
Total	Lumens	6733.7	928.3	7662.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.9	8.3
10°-20°	1112.6	14.5
20°-30°	1103.3	14.4
30°-40°	850.5	11.1
40°-50°	729.1	9.5
50°-60°	815.5	10.6
60°-70°	698.6	9.1
70°-80°	480.8	6.3
80°-90°	309.5	4.0
90°-100°	185.4	2.4
100°-110°	110.3	1.4
110°-120°	102.1	1.3
120°-130°	145.7	1.9
130°-140°	188.3	2.5
140°-150°	139.4	1.8
150°-160°	51.0	0.7
160°-170°	5.9	0.1
170°-180°	0.0	0.0
0°-90°	6733.7	87.9
0°-180°	7662.0	100.0

Coefficient of Utilization



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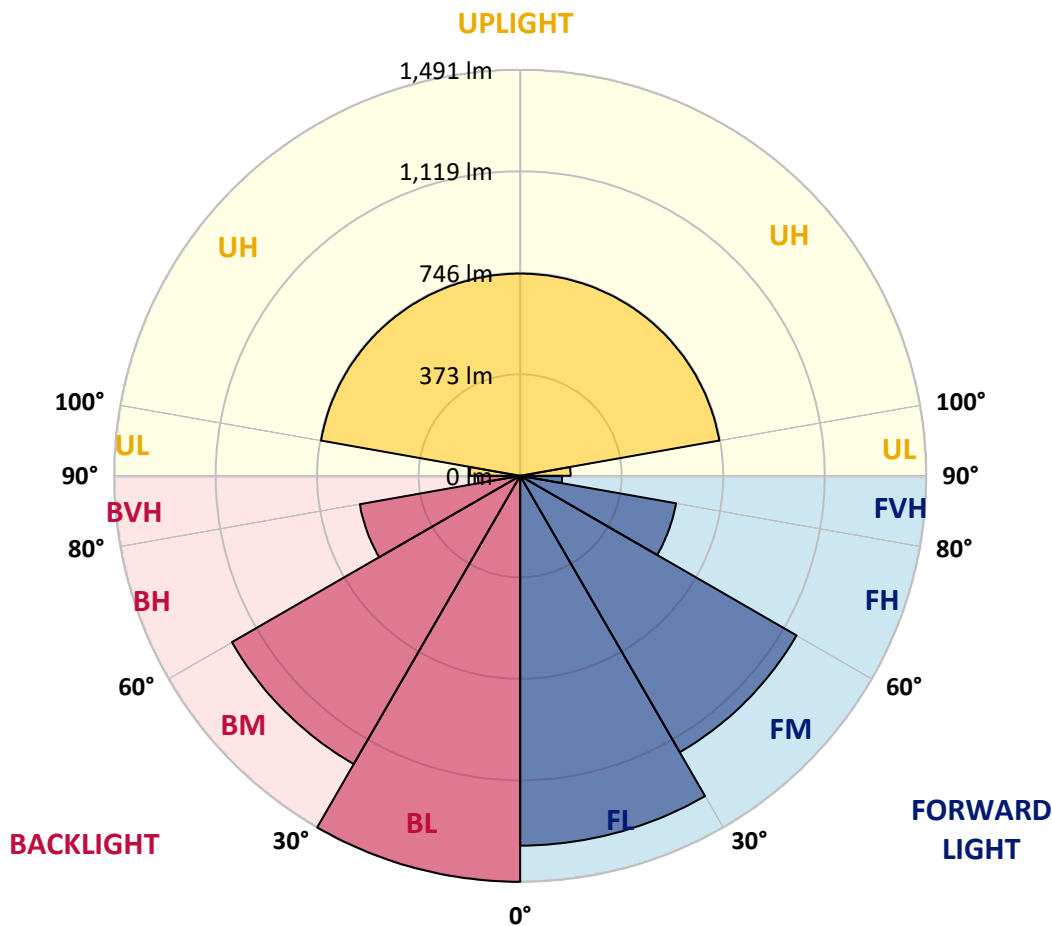
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1358.3	17.7			
FM	(30°-60°)	1172.3	15.3			
FH	(60°-80°)	581.2	7.6			G0/660
FVH	(80°-90°)	154.3	2.0			G2/225
BL	(0°-30°)	1491.4	19.5	B3/2500		
BM	(30°-60°)	1222.8	16.0	B2/2500		
BH	(60°-80°)	598.2	7.8	B2/1000		G0/660
BVH	(80°-90°)	155.2	2.0			G2/225
UL	(90°-100°)	185.4	2.4		U3/500	
UH	(100°-180°)	742.8	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°	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8
2.5°	7926.8	7938.3	7941.2	7926.8	7831.6	7782.6	7730.8	7627.0	7650.0	7635.6	7638.5
5°	7188.9	7235.0	7162.9	7142.7	6998.6	6892.0	6788.2	6675.8	6649.8	6603.7	6621.0
7.5°	6698.8	6724.8	6606.6	6485.5	6254.9	6090.6	5917.7	5744.7	5615.0	5566.0	5586.2
10°	5577.6	5664.0	5545.8	5421.9	5202.8	5006.8	4825.2	4655.2	4537.0	4499.5	4505.3
12.5°	4741.6	4790.6	4689.8	4606.2	4361.2	4173.8	4006.6	3848.1	3753.0	3712.6	3712.6
15°	4188.2	4208.4	4130.6	3969.1	3784.7	3614.6	3473.4	3358.1	3280.2	3265.8	3271.6
17.5°	3770.3	3770.3	3692.4	3565.6	3424.4	3274.5	3176.5	3090.0	3055.4	3066.9	3069.8
20°	3456.1	3458.9	3389.8	3265.8	3144.8	3009.3	2928.6	2868.0	2847.9	2868.0	2870.9
22.5°	3159.2	3173.6	3098.6	3006.4	2873.8	2767.2	2700.9	2634.6	2623.0	2631.7	2631.7
25°	2285.8	2285.8	2259.8	2187.8	2216.6	2228.1	2306.0	2473.1	2438.6	2470.3	2467.4
27.5°	1971.6	1983.1	1931.2	1867.8	1801.5	1723.7	1709.3	1694.9	1680.5	1746.8	1769.8
30°	1741.0	1746.8	1703.5	1660.3	1605.5	1562.3	1550.8	1550.8	1536.4	1588.2	1585.4
32.5°	1521.9	1513.3	1501.8	1461.4	1426.8	1389.3	1398.0	1392.2	1392.2	1438.3	1441.2
35°	1349.0	1346.1	1337.5	1308.6	1274.0	1245.2	1253.9	1259.6	1256.8	1285.6	1285.6
37.5°	1222.2	1225.0	1219.3	1207.7	1173.2	1150.1	1155.9	1150.1	1158.7	1178.9	1178.9
40°	1098.2	1098.2	1101.1	1098.2	1075.2	1066.5	1083.8	1075.2	1095.3	1109.7	1104.0
42.5°	980.0	982.9	988.7	982.9	968.5	959.9	968.5	971.4	1000.2	1020.4	1017.5
45°	905.1	905.1	908.0	905.1	893.6	884.9	884.9	876.3	896.4	908.0	905.1
47.5°	856.1	856.1	861.9	859.0	853.2	844.6	838.8	827.3	835.9	844.6	835.9
50°	838.8	838.8	850.3	850.3	847.4	838.8	830.1	815.7	818.6	824.4	812.9
52.5°	864.7	864.7	884.9	893.6	893.6	879.1	867.6	847.4	847.4	853.2	835.9
55°	919.5	919.5	951.2	968.5	971.4	971.4	957.0	936.8	939.7	951.2	933.9
57.5°	899.3	902.2	928.2	951.2	965.6	974.3	974.3	962.7	971.4	1000.2	991.6
60°	804.2	810.0	827.3	847.4	873.4	882.0	882.0	879.1	893.6	928.2	928.2
62.5°	714.8	717.7	726.4	743.7	758.1	763.9	763.9	752.3	769.6	786.9	781.1
65°	645.7	642.8	660.1	674.5	683.1	691.8	683.1	671.6	680.3	691.8	688.9
67.5°	588.0	588.0	602.4	614.0	619.7	628.4	622.6	616.8	628.4	634.1	628.4
70°	533.3	536.1	547.7	556.3	562.1	570.7	562.1	559.2	570.7	576.5	573.6
72.5°	478.5	481.4	490.0	501.5	507.3	510.2	507.3	504.4	513.1	518.8	518.8
75°	429.5	432.4	438.1	449.7	449.7	455.4	452.5	449.7	458.3	464.1	464.1
77.5°	383.4	389.1	392.0	400.7	403.5	406.4	403.5	403.5	409.3	415.1	418.0
80°	343.0	345.9	348.8	357.4	357.4	360.3	357.4	357.4	363.2	371.8	371.8
82.5°	305.5	308.4	311.3	317.1	314.2	317.1	317.1	317.1	322.8	331.5	331.5
85°	268.1	273.8	273.8	279.6	279.6	279.6	279.6	282.5	285.4	294.0	294.0
87.5°	236.4	239.2	242.1	245.0	245.0	247.9	247.9	250.8	253.7	259.4	262.3
90°	204.7	207.5	210.4	210.4	210.4	213.3	213.3	216.2	219.1	224.8	227.7
92.5°	181.6	184.5	184.5	187.4	187.4	187.4	190.2	193.1	196.0	201.8	201.8
95°	161.4	164.3	164.3	164.3	164.3	167.2	167.2	170.1	172.9	178.7	178.7
97.5°	144.1	144.1	144.1	144.1	144.1	147.0	147.0	149.9	152.8	155.7	155.7
100°	126.8	126.8	126.8	126.8	126.8	126.8	126.8	129.7	129.7	135.5	135.5
102.5°	112.4	112.4	109.5	109.5	109.5	106.7	106.7	109.5	109.5	112.4	112.4
105°	100.9	100.9	100.9	100.9	98.0	98.0	98.0	98.0	98.0	100.9	100.9
107.5°	98.0	98.0	95.1	95.1	95.1	92.2	92.2	92.2	92.2	95.1	95.1
110°	95.1	95.1	95.1	95.1	92.2	92.2	89.4	89.4	89.4	92.2	92.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	98.0	98.0	98.0	95.1	95.1	92.2	92.2	92.2	92.2	92.2	95.1
115°	103.8	100.9	100.9	100.9	100.9	98.0	95.1	95.1	98.0	98.0	98.0
117.5°	112.4	109.5	109.5	112.4	109.5	106.7	103.8	103.8	106.7	106.7	109.5
120°	123.9	121.1	123.9	123.9	123.9	121.1	118.2	115.3	118.2	121.1	121.1
122.5°	138.4	135.5	138.4	141.2	141.2	138.4	132.6	132.6	135.5	138.4	141.2
125°	155.7	155.7	158.5	161.4	164.3	158.5	155.7	152.8	158.5	161.4	161.4
127.5°	175.8	172.9	178.7	187.4	190.2	184.5	178.7	175.8	181.6	187.4	187.4
130°	196.0	193.1	201.8	210.4	216.2	210.4	204.7	201.8	207.5	213.3	213.3
132.5°	213.3	210.4	221.9	233.5	239.2	236.4	230.6	224.8	233.5	239.2	236.4
135°	227.7	227.7	242.1	253.7	259.4	256.5	250.8	245.0	256.5	262.3	256.5
137.5°	236.4	236.4	253.7	265.2	271.0	271.0	268.1	262.3	273.8	276.7	268.1
140°	236.4	239.2	253.7	265.2	268.1	271.0	271.0	268.1	279.6	279.6	271.0
142.5°	227.7	230.6	245.0	256.5	259.4	262.3	265.2	262.3	271.0	271.0	265.2
145°	213.3	216.2	230.6	242.1	242.1	245.0	250.8	247.9	253.7	256.5	250.8
147.5°	193.1	196.0	207.5	213.3	216.2	221.9	227.7	227.7	230.6	233.5	230.6
150°	167.2	167.2	175.8	181.6	184.5	190.2	196.0	198.9	198.9	201.8	198.9
152.5°	132.6	132.6	138.4	144.1	147.0	155.7	158.5	161.4	164.3	167.2	164.3
155°	100.9	100.9	103.8	106.7	109.5	118.2	121.1	123.9	126.8	129.7	126.8
157.5°	72.1	72.1	74.9	77.8	80.7	86.5	89.4	92.2	92.2	95.1	95.1
160°	46.1	49.0	49.0	51.9	51.9	57.6	60.5	60.5	63.4	66.3	66.3
162.5°	23.1	25.9	25.9	28.8	31.7	34.6	37.5	37.5	40.4	40.4	40.4
165°	5.8	8.6	8.6	11.5	11.5	14.4	17.3	17.3	20.2	20.2	20.2
167.5°	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	5.8
170°	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.9	2.9	2.9	2.9
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°	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8	8514.8
2.5°	7716.3	7710.6	7869.1	7995.9	8145.8	8264.0	8379.3	8488.8	8532.1	8529.2	8532.1
5°	6698.8	6799.7	7007.3	7211.9	7454.0	7681.8	7895.1	8036.3	8125.6	8125.6	8134.3
7.5°	5678.4	5839.9	6096.4	6422.1	6785.3	7082.2	7442.5	7696.2	7897.9	7892.2	7929.6
10°	4586.0	4712.8	4969.4	5318.1	5718.8	6061.8	6376.0	6612.4	6808.4	6796.8	6845.8
12.5°	3767.4	3856.7	4078.7	4395.7	4761.8	5093.3	5401.7	5586.2	5724.6	5721.7	5747.6
15°	3286.0	3378.2	3522.4	3741.4	4044.1	4338.1	4646.5	4813.7	4891.5	4882.9	4926.1
17.5°	3090.0	3127.5	3216.8	3363.8	3582.9	3822.1	4067.1	4211.3	4300.6	4289.1	4320.8
20°	2879.6	2914.2	2974.7	3084.2	3239.9	3421.5	3629.0	3787.5	3853.8	3851.0	3871.1
22.5°	2637.4	2654.7	2721.0	2807.5	2919.9	3066.9	3225.5	3369.6	3435.9	3433.0	3453.2
25°	2470.3	2499.1	2539.4	2591.3	2669.2	2784.5	2917.0	3017.9	3078.5	3072.7	3098.6
27.5°	1804.4	1833.2	1853.4	1885.1	1888.0	1983.1	2029.3	2112.8	2167.6	2164.7	2182.0
30°	1585.4	1591.1	1608.4	1651.6	1677.6	1752.5	1844.8	1908.2	1954.3	1971.6	1983.1
32.5°	1447.0	1464.3	1484.5	1504.6	1536.4	1582.5	1654.5	1712.2	1761.2	1769.8	1790.0
35°	1288.5	1300.0	1314.4	1334.6	1354.8	1392.2	1447.0	1493.1	1530.6	1545.0	1556.5
37.5°	1176.0	1178.9	1193.3	1216.4	1233.7	1265.4	1314.4	1349.0	1386.5	1389.3	1400.9
40°	1101.1	1104.0	1118.4	1138.6	1158.7	1178.9	1222.2	1253.9	1279.8	1282.7	1291.3
42.5°	1014.6	1023.3	1029.0	1037.7	1052.1	1069.4	1106.9	1124.2	1141.5	1144.3	1155.9
45°	896.4	899.3	905.1	913.7	931.0	948.3	974.3	994.4	1006.0	1006.0	1003.1
47.5°	830.1	833.0	833.0	844.6	859.0	876.3	899.3	916.6	922.4	922.4	922.4
50°	807.1	807.1	801.3	810.0	824.4	835.9	859.0	873.4	876.3	879.1	882.0
52.5°	824.4	818.6	801.3	810.0	824.4	835.9	859.0	864.7	864.7	870.5	873.4
55°	919.5	910.9	876.3	882.0	899.3	913.7	931.0	933.9	939.7	948.3	945.4
57.5°	980.0	985.8	945.4	954.1	985.8	997.3	1017.5	1014.6	1026.2	1037.7	1040.6
60°	922.4	939.7	908.0	919.5	957.0	962.7	982.9	971.4	988.7	988.7	988.7
62.5°	784.0	789.8	772.5	789.8	824.4	824.4	838.8	830.1	835.9	830.1	833.0
65°	686.0	683.1	663.0	686.0	697.6	703.3	714.8	717.7	717.7	712.0	712.0
67.5°	625.5	619.7	602.4	608.2	619.7	622.6	639.9	642.8	639.9	639.9	642.8
70°	570.7	562.1	544.8	547.7	556.3	559.2	573.6	579.4	576.5	573.6	576.5
72.5°	516.0	507.3	490.0	490.0	498.7	504.4	516.0	521.7	516.0	516.0	518.8
75°	464.1	455.4	438.1	438.1	443.9	446.8	461.2	464.1	461.2	458.3	461.2
77.5°	418.0	412.2	394.9	394.9	397.8	400.7	409.3	412.2	409.3	406.4	409.3
80°	374.7	366.1	354.5	351.7	354.5	354.5	363.2	366.1	360.3	360.3	363.2
82.5°	334.4	325.7	314.2	314.2	311.3	314.2	320.0	322.8	320.0	317.1	320.0
85°	296.9	291.1	279.6	276.7	276.7	276.7	282.5	282.5	279.6	279.6	279.6
87.5°	262.3	256.5	245.0	245.0	242.1	245.0	247.9	247.9	245.0	245.0	245.0
90°	227.7	221.9	213.3	213.3	210.4	213.3	216.2	216.2	213.3	213.3	213.3
92.5°	201.8	198.9	190.2	190.2	187.4	190.2	190.2	190.2	187.4	187.4	187.4
95°	178.7	175.8	170.1	167.2	167.2	167.2	167.2	167.2	164.3	164.3	164.3
97.5°	155.7	152.8	147.0	147.0	144.1	147.0	147.0	147.0	144.1	144.1	144.1
100°	135.5	132.6	129.7	129.7	126.8	126.8	126.8	126.8	126.8	126.8	126.8
102.5°	112.4	112.4	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
105°	100.9	100.9	100.9	100.9	103.8	103.8	103.8	100.9	100.9	100.9	100.9
107.5°	95.1	95.1	95.1	98.0	98.0	98.0	100.9	95.1	92.2	92.2	92.2
110°	92.2	92.2	95.1	95.1	98.0	98.0	100.9	89.4	86.5	86.5	86.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	95.1	95.1	95.1	98.0	100.9	100.9	103.8	89.4	86.5	86.5	86.5
115°	100.9	100.9	100.9	103.8	106.7	109.5	109.5	95.1	89.4	89.4	92.2
117.5°	109.5	109.5	109.5	112.4	118.2	118.2	118.2	100.9	98.0	98.0	98.0
120°	121.1	123.9	123.9	126.8	132.6	135.5	129.7	115.3	98.0	106.7	106.7
122.5°	138.4	141.2	144.1	147.0	155.7	155.7	147.0	132.6	106.7	118.2	121.1
125°	161.4	164.3	167.2	172.9	181.6	181.6	170.1	149.9	121.1	132.6	135.5
127.5°	184.5	190.2	193.1	201.8	213.3	213.3	198.9	172.9	135.5	144.1	147.0
130°	210.4	216.2	221.9	233.5	247.9	242.1	230.6	196.0	147.0	152.8	152.8
132.5°	233.5	242.1	245.0	262.3	276.7	271.0	256.5	210.4	152.8	152.8	149.9
135°	250.8	256.5	259.4	276.7	291.1	282.5	265.2	216.2	149.9	144.1	144.1
137.5°	262.3	268.1	271.0	282.5	294.0	279.6	256.5	204.7	144.1	141.2	138.4
140°	268.1	268.1	268.1	276.7	282.5	265.2	236.4	184.5	129.7	135.5	135.5
142.5°	262.3	259.4	256.5	262.3	265.2	245.0	219.1	164.3	118.2	123.9	123.9
145°	247.9	242.1	239.2	242.1	242.1	219.1	190.2	141.2	103.8	106.7	106.7
147.5°	227.7	219.1	213.3	213.3	210.4	187.4	161.4	118.2	89.4	86.5	86.5
150°	196.0	187.4	181.6	181.6	172.9	152.8	129.7	92.2	72.1	72.1	72.1
152.5°	161.4	152.8	147.0	147.0	138.4	118.2	98.0	69.2	54.8	54.8	54.8
155°	126.8	118.2	112.4	109.5	103.8	89.4	72.1	51.9	40.4	40.4	40.4
157.5°	95.1	89.4	83.6	80.7	74.9	66.3	51.9	37.5	25.9	28.8	28.8
160°	66.3	60.5	57.6	54.8	51.9	43.2	34.6	23.1	14.4	14.4	14.4
162.5°	40.4	37.5	37.5	34.6	31.7	28.8	20.2	11.5	5.8	5.8	5.8
165°	20.2	20.2	17.3	17.3	14.4	11.5	8.6	2.9	0.0	0.0	0.0
167.5°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
170°	2.9	2.9	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)