

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: P690838

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7185 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 60
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

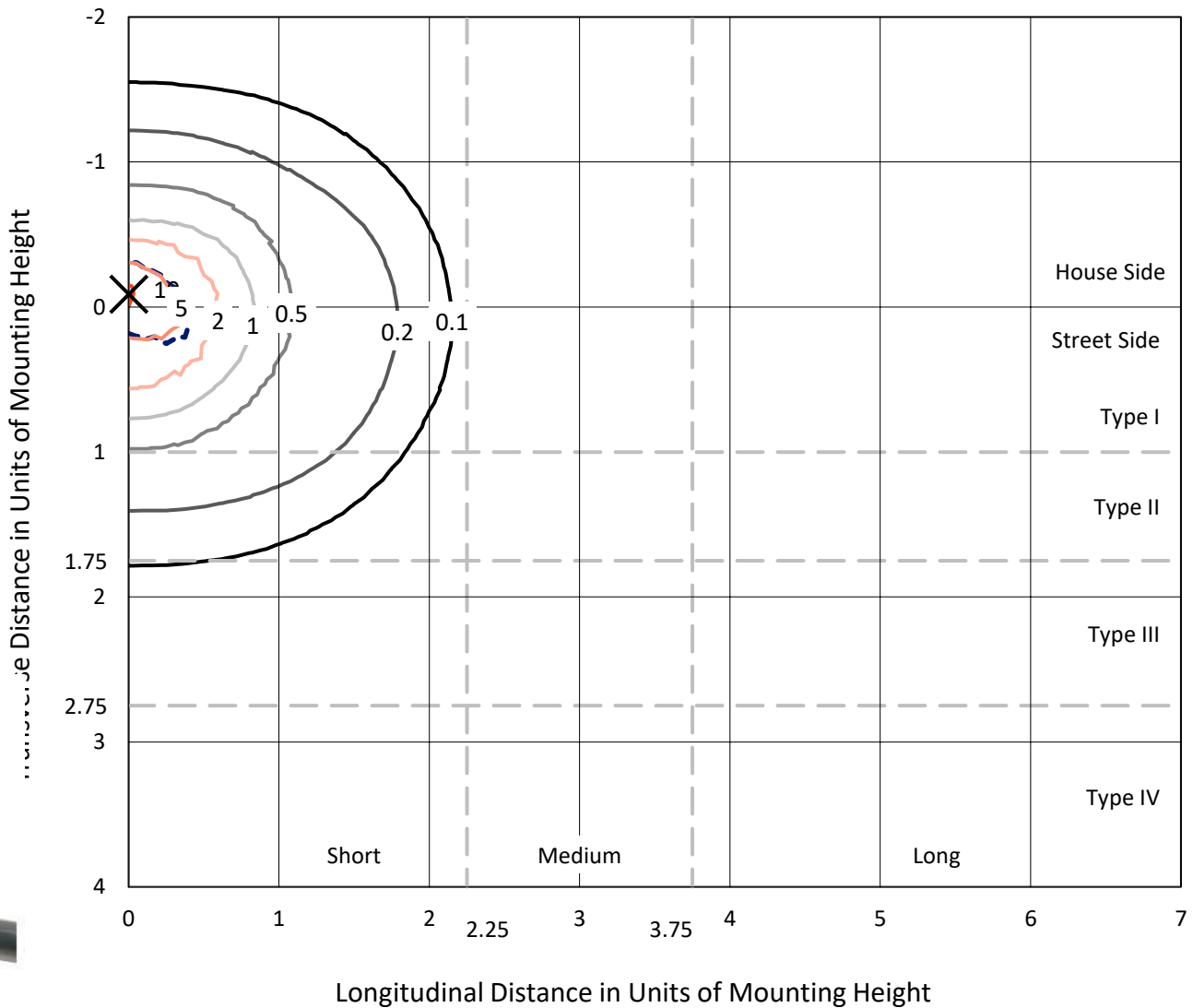


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

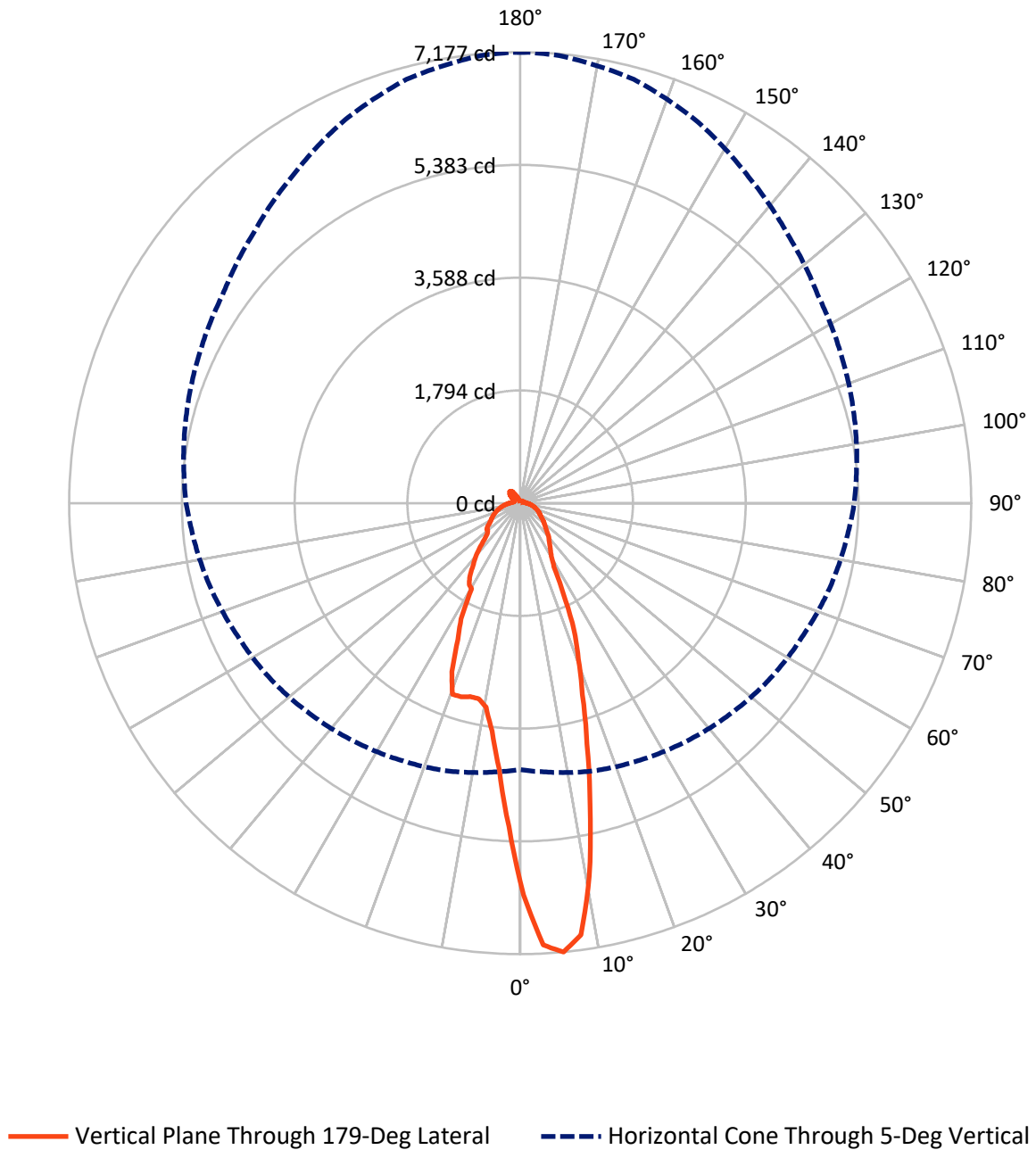


Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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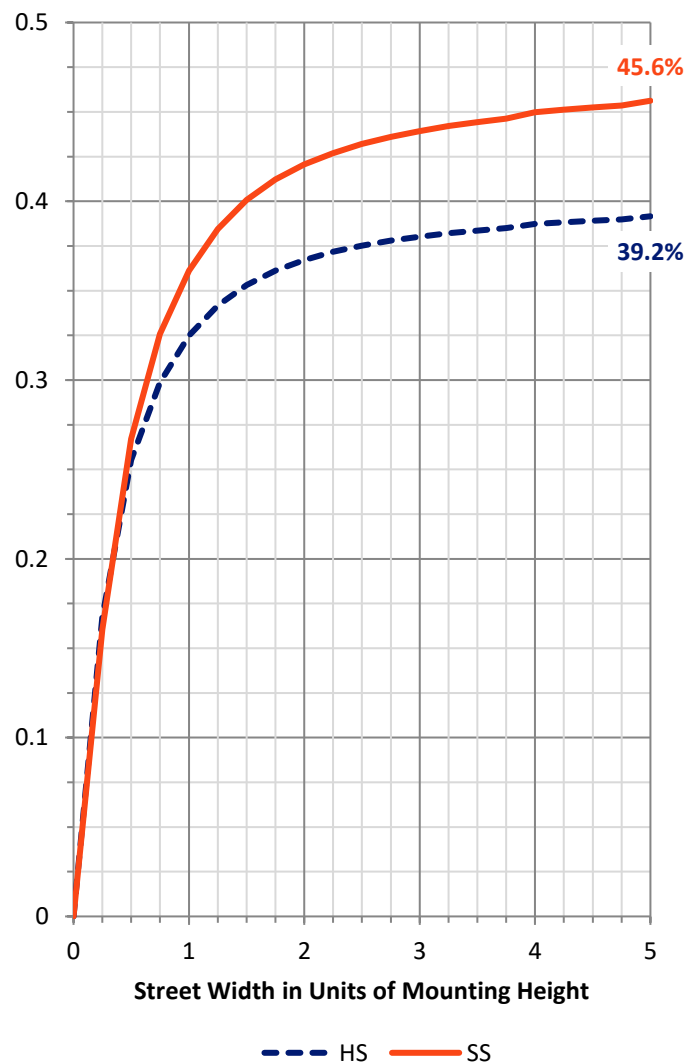
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2891.3	351.6	3242.9
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3355.9	586.2	3942.1
	% Fixture	46.7	8.2	54.9
Total	Lumens	6247.3	937.8	7185.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.4	6.8
10°-20°	1040.0	14.5
20°-30°	1129.8	15.7
30°-40°	836.2	11.6
40°-50°	700.3	9.7
50°-60°	704.1	9.8
60°-70°	599.4	8.3
70°-80°	447.8	6.2
80°-90°	302.3	4.2
90°-100°	180.7	2.5
100°-110°	104.4	1.5
110°-120°	96.1	1.3
120°-130°	138.9	1.9
130°-140°	190.2	2.6
140°-150°	156.7	2.2
150°-160°	63.1	0.9
160°-170°	7.8	0.1
170°-180°	0.0	0.0
0°-90°	6247.3	86.9
0°-180°	7185.0	100.0

Coefficient of Utilization



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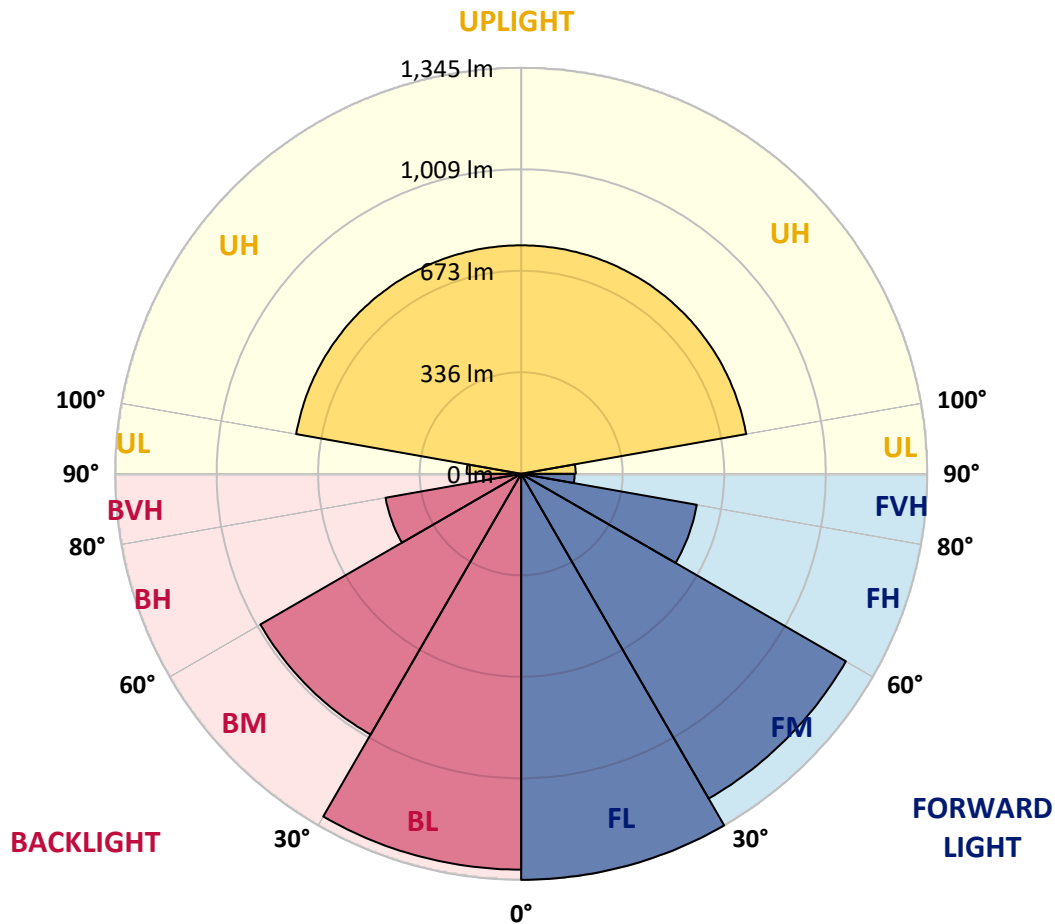
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1345.4	18.7			
FM	(30°-60°)	1242.5	17.3			
FH	(60°-80°)	591.0	8.2			G0/660
FVH	(80°-90°)	177.0	2.5			G2/225
BL	(0°-30°)	1311.8	18.3	B3/2500		
BM	(30°-60°)	998.1	13.9	B1/1000		
BH	(60°-80°)	456.2	6.3	B1/500		G1/500
BVH	(80°-90°)	125.3	1.7			G2/225
UL	(90°-100°)	180.7	2.5		U3/500	
UH	(100°-180°)	757.1	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8
2.5°	5140.0	5168.8	5232.2	5263.9	5295.6	5335.9	5396.4	5442.5	5549.1	5647.1	5687.4
5°	4241.1	4292.9	4413.9	4511.9	4621.4	4736.6	4860.5	4970.0	5111.2	5240.8	5315.7
7.5°	3644.7	3687.9	3831.9	4022.1	4215.1	4376.5	4503.2	4586.8	4650.2	4702.0	4756.8
10°	3281.6	3319.1	3463.1	3633.1	3797.4	3947.2	4053.8	4134.4	4157.5	4209.4	4235.3
12.5°	3177.9	3195.2	3296.0	3414.2	3515.0	3661.9	3788.7	3875.1	3912.6	3958.7	3973.1
15°	3180.8	3180.8	3238.4	3313.3	3405.5	3517.9	3659.1	3762.8	3817.5	3843.5	3840.6
17.5°	3224.0	3221.1	3247.1	3307.6	3385.3	3497.7	3641.8	3748.4	3811.8	3820.4	3811.8
20°	3224.0	3226.9	3235.5	3304.7	3379.6	3480.4	3627.4	3716.7	3765.7	3739.7	3710.9
22.5°	2895.6	2892.7	2967.6	3114.5	3316.2	3526.5	3659.1	3768.5	3780.1	3685.0	3607.2
25°	2391.4	2371.2	2414.4	2480.7	2616.1	2861.0	3137.6	3552.5	3800.2	3745.5	3627.4
27.5°	2074.4	2048.5	2086.0	2057.1	2042.7	2025.4	2008.2	1959.2	1990.9	2019.7	2146.5
30°	1564.5	1570.2	1578.9	1596.2	1630.7	1699.9	1771.9	1815.1	1852.6	1927.5	1918.8
32.5°	1529.9	1527.0	1529.9	1547.2	1564.5	1607.7	1650.9	1673.9	1702.8	1774.8	1757.5
35°	1414.6	1408.9	1429.0	1437.7	1434.8	1446.3	1489.6	1515.5	1541.4	1587.5	1570.2
37.5°	1244.7	1250.4	1293.6	1316.7	1325.3	1351.3	1385.8	1408.9	1440.6	1475.1	1466.5
40°	1117.9	1115.0	1161.1	1192.8	1213.0	1253.3	1305.2	1339.7	1391.6	1420.4	1400.2
42.5°	962.3	973.8	1008.4	1040.1	1045.9	1066.0	1112.1	1152.5	1215.8	1259.1	1247.5
45°	809.6	818.2	847.1	873.0	893.2	919.1	953.7	988.2	1040.1	1074.7	1071.8
47.5°	714.5	723.2	746.2	777.9	806.7	844.2	878.8	913.3	962.3	988.2	979.6
50°	677.1	682.8	708.8	743.3	786.6	832.7	878.8	916.2	962.3	979.6	965.2
52.5°	674.2	674.2	705.9	757.7	818.2	881.6	942.1	994.0	1037.2	1037.2	1008.4
55°	633.9	639.6	680.0	749.1	841.3	945.0	1051.6	1149.6	1207.2	1195.7	1140.9
57.5°	576.2	579.1	622.3	688.6	786.6	913.3	1057.4	1181.3	1250.4	1264.8	1207.2
60°	541.7	544.5	573.3	636.7	720.3	821.1	953.7	1051.6	1120.8	1164.0	1117.9
62.5°	512.8	512.8	541.7	584.9	654.0	728.9	803.8	870.1	924.8	956.5	930.6
65°	481.2	481.2	501.3	541.7	596.4	668.4	726.0	775.0	824.0	847.1	824.0
67.5°	449.5	449.5	469.6	507.1	556.1	616.6	674.2	720.3	769.3	786.6	769.3
70°	417.8	417.8	437.9	469.6	515.7	573.3	616.6	665.5	711.6	723.2	708.8
72.5°	386.1	386.1	406.2	435.1	475.4	530.1	570.5	607.9	651.1	659.8	645.4
75°	357.3	357.3	371.7	400.5	437.9	486.9	527.3	561.8	596.4	596.4	584.9
77.5°	325.6	328.5	340.0	365.9	400.5	446.6	484.0	515.7	544.5	544.5	530.1
80°	293.9	296.8	308.3	331.3	363.0	406.2	440.8	469.6	495.6	495.6	481.2
82.5°	262.2	265.1	276.6	296.8	325.6	365.9	400.5	429.3	452.3	449.5	435.1
85°	233.4	236.3	244.9	262.2	288.1	328.5	360.1	386.1	406.2	403.4	391.8
87.5°	204.6	207.4	216.1	230.5	253.5	291.0	322.7	345.7	363.0	360.1	348.6
90°	178.6	178.6	187.3	201.7	221.8	253.5	282.4	302.5	319.8	314.0	302.5
92.5°	155.6	158.5	164.2	175.8	193.0	221.8	247.8	265.1	282.4	279.5	267.9
95°	138.3	138.3	144.1	152.7	167.1	190.2	216.1	230.5	242.0	242.0	233.4
97.5°	121.0	123.9	126.8	132.5	144.1	161.3	181.5	195.9	204.6	204.6	198.8
100°	109.5	112.4	112.4	118.1	123.9	135.4	149.8	161.3	170.0	170.0	167.1
102.5°	103.7	103.7	103.7	106.6	109.5	115.2	123.9	129.7	135.4	138.3	135.4
105°	98.0	98.0	98.0	100.8	100.8	106.6	109.5	115.2	118.1	118.1	115.2
107.5°	95.1	95.1	98.0	98.0	98.0	100.8	106.6	106.6	109.5	106.6	106.6
110°	98.0	98.0	98.0	98.0	98.0	100.8	103.7	103.7	103.7	103.7	100.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	100.8	100.8	100.8	100.8	103.7	103.7	103.7	106.6	106.6	103.7	103.7
115°	109.5	109.5	109.5	109.5	109.5	112.4	112.4	112.4	112.4	109.5	106.6
117.5°	118.1	118.1	118.1	121.0	121.0	123.9	121.0	123.9	121.0	118.1	118.1
120°	132.5	132.5	135.4	138.3	141.2	141.2	138.3	141.2	141.2	135.4	132.5
122.5°	149.8	149.8	152.7	161.3	164.2	167.1	164.2	164.2	164.2	158.5	155.6
125°	167.1	170.0	175.8	187.3	195.9	201.7	195.9	198.8	198.8	190.2	187.3
127.5°	187.3	190.2	201.7	219.0	233.4	239.1	236.3	239.1	242.0	227.6	221.8
130°	207.4	207.4	224.7	250.7	270.8	279.5	282.4	285.2	288.1	273.7	262.2
132.5°	224.7	224.7	247.8	279.5	305.4	319.8	325.6	331.3	337.1	316.9	302.5
135°	236.3	239.1	267.9	305.4	337.1	357.3	365.9	371.7	380.3	357.3	340.0
137.5°	244.9	250.7	279.5	319.8	354.4	383.2	400.5	409.1	414.9	391.8	368.8
140°	247.8	250.7	282.4	322.7	357.3	389.0	414.9	429.3	432.2	409.1	386.1
142.5°	239.1	244.9	273.7	314.0	348.6	383.2	412.0	426.4	429.3	409.1	386.1
145°	227.6	230.5	256.4	293.9	328.5	365.9	397.6	412.0	412.0	394.7	371.7
147.5°	207.4	210.3	233.4	265.1	299.6	337.1	368.8	383.2	386.1	368.8	348.6
150°	178.6	181.5	198.8	224.7	259.3	296.8	325.6	342.9	342.9	325.6	311.2
152.5°	144.1	146.9	161.3	181.5	210.3	244.9	270.8	288.1	288.1	276.6	259.3
155°	112.4	112.4	123.9	141.2	161.3	187.3	207.4	221.8	224.7	213.2	201.7
157.5°	80.7	80.7	89.3	103.7	121.0	141.2	155.6	167.1	167.1	158.5	152.7
160°	54.7	54.7	60.5	69.1	80.7	95.1	106.6	118.1	118.1	112.4	106.6
162.5°	28.8	28.8	34.6	40.3	49.0	60.5	66.3	74.9	74.9	72.0	69.1
165°	8.6	8.6	11.5	14.4	20.2	25.9	28.8	34.6	37.5	34.6	31.7
167.5°	0.0	0.0	2.9	2.9	2.9	2.9	5.8	8.6	8.6	8.6	8.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8	6234.8
2.5°	5730.6	5912.1	6076.3	6246.3	6456.7	6641.0	6839.8	6981.0	7041.5	7041.5	7064.6
5°	5370.5	5497.2	5629.8	5779.6	6030.2	6338.5	6692.9	6983.9	7151.0	7176.9	7174.1
7.5°	4774.1	4860.5	4995.9	5163.0	5393.5	5670.1	6125.3	6580.5	6883.1	6937.8	6917.6
10°	4249.7	4330.4	4411.0	4474.4	4638.6	4857.6	5191.8	5635.5	5984.1	6038.9	5995.7
12.5°	3981.7	4007.7	4004.8	4042.3	4108.5	4218.0	4388.0	4644.4	4883.5	4935.4	4898.0
15°	3840.6	3803.1	3745.5	3679.2	3673.5	3690.8	3734.0	3837.7	3938.5	3981.7	3952.9
17.5°	3782.9	3693.6	3575.5	3445.9	3359.4	3278.7	3224.0	3189.4	3203.8	3206.7	3183.7
20°	3647.5	3540.9	3350.8	3166.4	3028.1	2886.9	2765.9	2676.6	2662.2	2647.8	2630.5
22.5°	3494.8	3313.3	3085.7	2861.0	2656.4	2469.1	2333.7	2227.1	2186.8	2201.2	2192.6
25°	3463.1	3160.6	2884.0	2521.0	2261.7	2051.4	1797.8	1625.0	1547.2	1590.4	1561.6
27.5°	2077.3	2086.0	1930.4	1711.4	1524.1	1400.2	1287.9	1195.7	1143.8	1143.8	1149.6
30°	1881.4	1797.8	1694.1	1558.7	1394.5	1270.6	1146.7	1045.9	991.1	976.7	982.5
32.5°	1720.0	1662.4	1564.5	1434.8	1285.0	1158.2	1028.6	936.4	884.5	881.6	878.8
35°	1547.2	1486.7	1406.0	1293.6	1164.0	1045.9	933.5	852.8	806.7	809.6	809.6
37.5°	1429.0	1374.3	1302.3	1195.7	1077.5	959.4	858.6	783.7	746.2	746.2	743.3
40°	1368.5	1305.2	1227.4	1129.4	1019.9	896.0	801.0	728.9	697.2	697.2	694.4
42.5°	1236.0	1181.3	1129.4	1028.6	919.1	818.2	728.9	665.5	633.9	633.9	633.9
45°	1048.7	1017.0	976.7	907.6	818.2	734.7	659.8	599.3	573.3	570.5	570.5
47.5°	968.1	933.5	884.5	821.1	749.1	671.3	599.3	556.1	530.1	530.1	530.1
50°	945.0	904.7	838.4	763.5	688.6	619.4	556.1	515.7	492.7	492.7	495.6
52.5°	976.7	910.4	821.1	728.9	651.1	573.3	518.6	478.3	461.0	461.0	458.1
55°	1086.2	962.3	832.7	720.3	622.3	538.8	481.2	437.9	417.8	417.8	417.8
57.5°	1146.7	999.8	841.3	708.8	596.4	512.8	452.3	406.2	386.1	386.1	386.1
60°	1077.5	956.5	806.7	685.7	576.2	489.8	426.4	383.2	363.0	360.1	357.3
62.5°	901.8	826.9	720.3	619.4	533.0	458.1	406.2	363.0	342.9	342.9	340.0
65°	803.8	740.5	648.3	561.8	489.8	426.4	377.4	342.9	322.7	319.8	319.8
67.5°	749.1	691.5	599.3	518.6	452.3	394.7	348.6	316.9	302.5	296.8	296.8
70°	688.6	625.2	544.5	472.5	412.0	360.1	322.7	291.0	276.6	273.7	270.8
72.5°	628.1	570.5	495.6	426.4	371.7	328.5	293.9	265.1	250.7	247.8	247.8
75°	564.7	510.0	437.9	380.3	334.2	293.9	262.2	239.1	227.6	224.7	221.8
77.5°	512.8	463.9	394.7	340.0	296.8	265.1	236.3	216.1	204.6	204.6	201.7
80°	463.9	417.8	351.5	302.5	265.1	233.4	210.3	193.0	184.4	181.5	181.5
82.5°	417.8	371.7	311.2	267.9	233.4	207.4	184.4	170.0	161.3	161.3	161.3
85°	374.5	331.3	276.6	236.3	204.6	181.5	161.3	146.9	141.2	138.3	141.2
87.5°	331.3	291.0	244.9	207.4	178.6	155.6	138.3	126.8	121.0	121.0	121.0
90°	291.0	253.5	210.3	175.8	152.7	132.5	118.1	106.6	103.7	100.8	100.8
92.5°	256.4	224.7	187.3	158.5	135.4	121.0	106.6	98.0	92.2	92.2	92.2
95°	224.7	195.9	167.1	141.2	123.9	109.5	98.0	89.3	86.4	86.4	86.4
97.5°	193.0	170.0	146.9	126.8	112.4	100.8	89.3	83.6	80.7	77.8	80.7
100°	161.3	144.1	126.8	112.4	100.8	89.3	80.7	74.9	72.0	72.0	72.0
102.5°	129.7	121.0	106.6	95.1	86.4	80.7	72.0	66.3	63.4	63.4	63.4
105°	112.4	103.7	95.1	86.4	80.7	72.0	66.3	60.5	57.6	57.6	57.6
107.5°	103.7	98.0	89.3	83.6	74.9	69.1	63.4	54.7	51.9	51.9	51.9
110°	100.8	95.1	89.3	80.7	74.9	69.1	63.4	51.9	49.0	49.0	49.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	100.8	95.1	89.3	83.6	77.8	69.1	63.4	51.9	46.1	46.1	46.1
115°	106.6	100.8	95.1	89.3	80.7	72.0	66.3	51.9	46.1	46.1	46.1
117.5°	115.2	109.5	103.7	95.1	86.4	77.8	66.3	51.9	49.0	49.0	49.0
120°	129.7	123.9	115.2	106.6	95.1	83.6	72.0	54.7	46.1	49.0	49.0
122.5°	149.8	144.1	132.5	118.1	106.6	92.2	74.9	57.6	43.2	49.0	49.0
125°	178.6	170.0	152.7	135.4	118.1	100.8	80.7	60.5	46.1	51.9	51.9
127.5°	210.3	198.8	175.8	152.7	132.5	109.5	86.4	63.4	49.0	51.9	51.9
130°	247.8	227.6	198.8	170.0	144.1	118.1	92.2	66.3	51.9	51.9	51.9
132.5°	285.2	256.4	219.0	187.3	155.6	123.9	95.1	66.3	51.9	51.9	51.9
135°	316.9	282.4	239.1	198.8	161.3	126.8	98.0	66.3	51.9	51.9	51.9
137.5°	345.7	299.6	250.7	204.6	164.2	126.8	95.1	66.3	49.0	49.0	49.0
140°	360.1	308.3	256.4	204.6	161.3	123.9	89.3	60.5	46.1	46.1	46.1
142.5°	360.1	305.4	250.7	198.8	155.6	118.1	83.6	57.6	40.3	43.2	43.2
145°	348.6	293.9	239.1	187.3	144.1	106.6	74.9	49.0	37.5	37.5	37.5
147.5°	322.7	270.8	219.0	170.0	129.7	92.2	66.3	43.2	31.7	28.8	31.7
150°	288.1	239.1	190.2	146.9	109.5	77.8	54.7	34.6	25.9	25.9	25.9
152.5°	242.0	198.8	158.5	121.0	86.4	60.5	40.3	25.9	20.2	20.2	20.2
155°	190.2	155.6	123.9	92.2	66.3	46.1	31.7	20.2	14.4	14.4	14.4
157.5°	144.1	118.1	92.2	66.3	49.0	34.6	23.0	14.4	11.5	11.5	11.5
160°	100.8	80.7	63.4	46.1	31.7	23.0	14.4	8.6	5.8	5.8	5.8
162.5°	63.4	51.9	40.3	25.9	20.2	14.4	8.6	5.8	2.9	2.9	2.9
165°	28.8	25.9	17.3	11.5	8.6	5.8	2.9	2.9	0.0	0.0	0.0
167.5°	8.6	5.8	5.8	2.9	2.9	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)