

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: P691834

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691834
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-C01H-5TLD-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7805 lumens
Efficiency: N/A
Efficacy: 104.2 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): 74.9
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

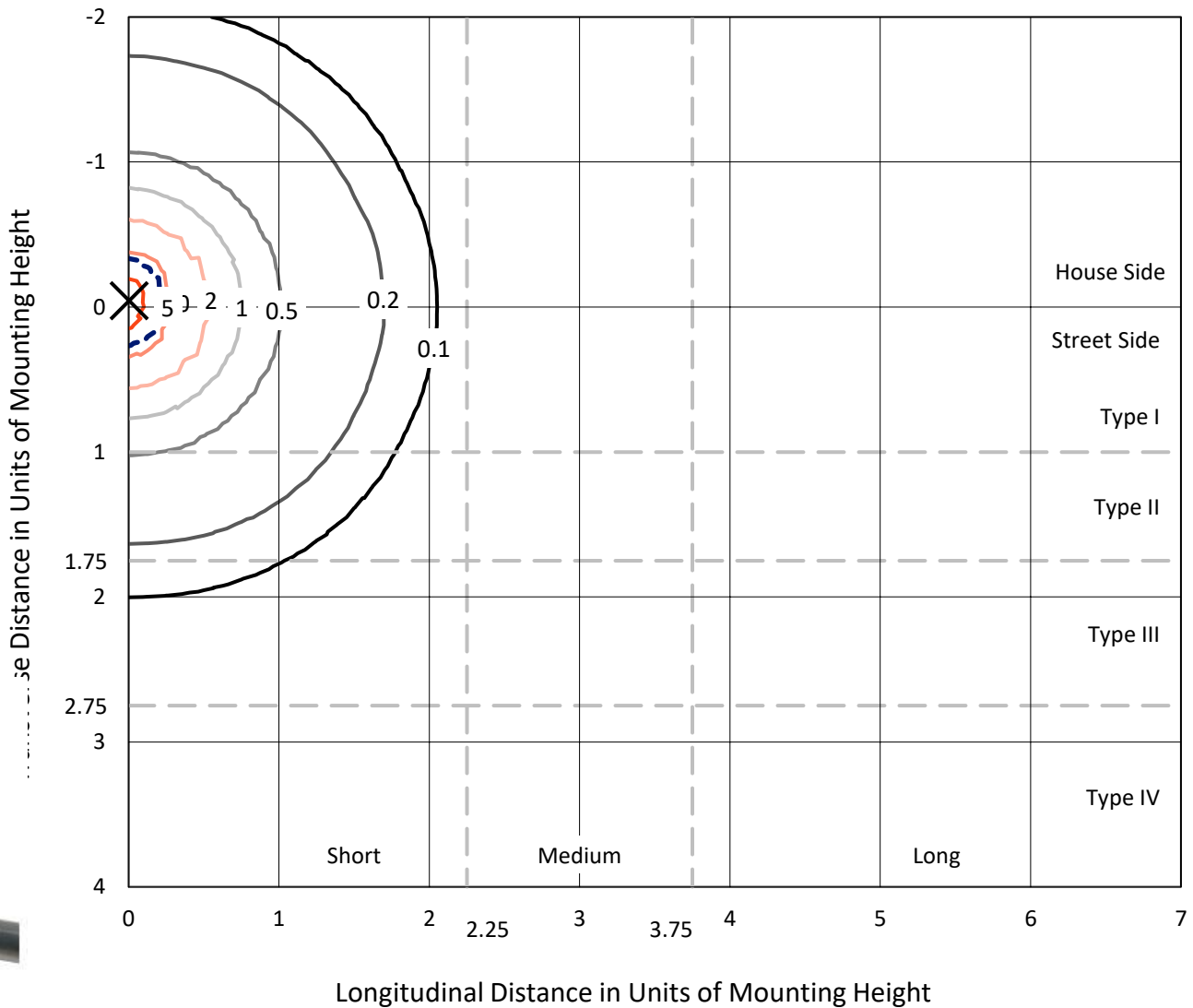


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

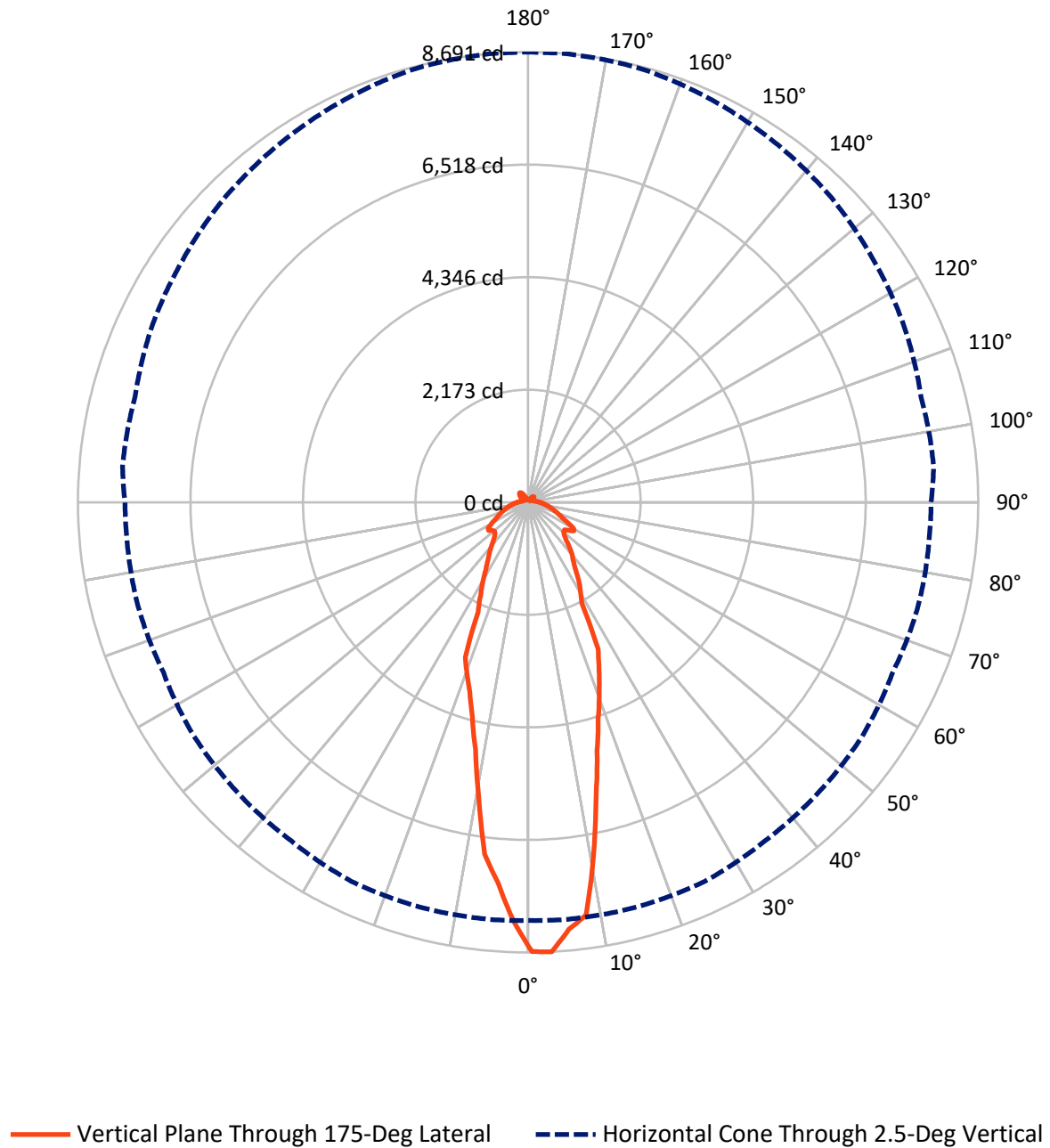


Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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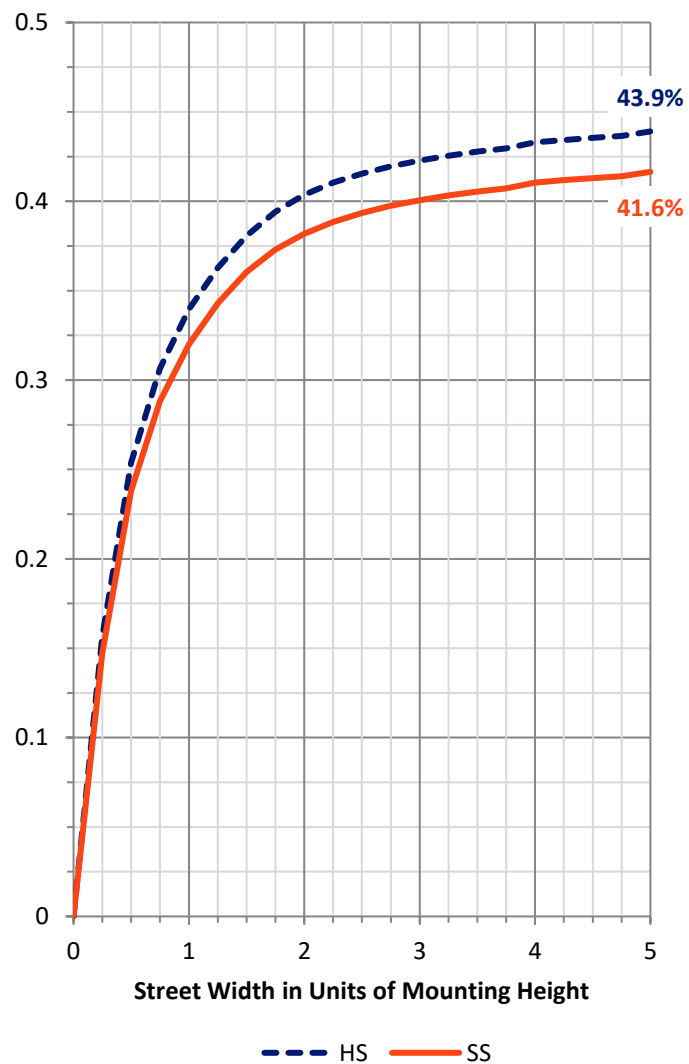
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3532.4	466.7	3999.1
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3327.0	478.9	3805.9
	% Fixture	42.6	6.1	48.8
Total	Lumens	6859.4	945.6	7805.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.7	8.3
10°-20°	1133.4	14.5
20°-30°	1123.9	14.4
30°-40°	866.4	11.1
40°-50°	742.7	9.5
50°-60°	830.7	10.6
60°-70°	711.7	9.1
70°-80°	489.7	6.3
80°-90°	315.3	4.0
90°-100°	188.9	2.4
100°-110°	112.4	1.4
110°-120°	104.0	1.3
120°-130°	148.5	1.9
130°-140°	191.8	2.5
140°-150°	142.0	1.8
150°-160°	51.9	0.7
160°-170°	6.1	0.1
170°-180°	0.0	0.0
0°-90°	6859.4	87.9
0°-180°	7805.0	100.0

Coefficient of Utilization



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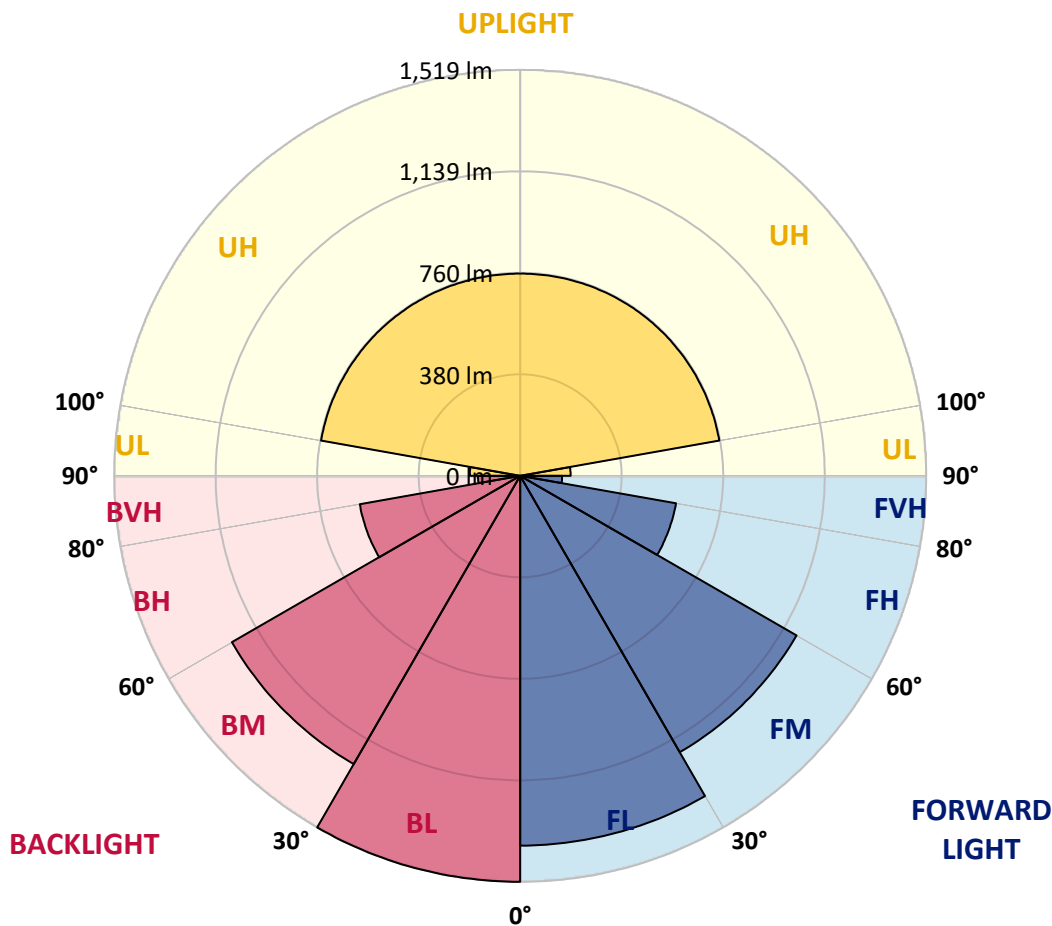
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1383.7	17.7			
FM	(30°-60°)	1194.2	15.3			
FH	(60°-80°)	592.0	7.6			G0/660
FVH	(80°-90°)	157.1	2.0			G2/225
BL	(0°-30°)	1519.3	19.5	B3/2500		
BM	(30°-60°)	1245.6	16.0	B2/2500		
BH	(60°-80°)	609.4	7.8	B2/1000		G0/660
BVH	(80°-90°)	158.1	2.0			G2/225
UL	(90°-100°)	188.9	2.4		U3/500	
UH	(100°-180°)	756.7	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°	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7
2.5°	8074.7	8086.4	8089.4	8074.7	7977.8	7927.9	7875.0	7769.3	7792.8	7778.1	7781.1
5°	7323.0	7370.0	7296.6	7276.0	7129.2	7020.6	6914.9	6800.4	6773.9	6727.0	6744.6
7.5°	6823.9	6850.3	6729.9	6606.6	6371.7	6204.3	6028.1	5852.0	5719.8	5669.9	5690.5
10°	5681.7	5769.7	5649.4	5523.1	5299.9	5100.3	4915.3	4742.1	4621.7	4583.5	4589.4
12.5°	4830.1	4880.1	4777.3	4692.1	4442.6	4251.7	4081.4	3919.9	3823.0	3781.9	3781.9
15°	4266.4	4286.9	4207.7	4043.2	3855.3	3682.1	3538.2	3420.7	3341.5	3326.8	3332.6
17.5°	3840.6	3840.6	3761.3	3632.1	3488.3	3335.6	3235.8	3147.7	3112.4	3124.2	3127.1
20°	3520.6	3523.5	3453.0	3326.8	3203.5	3065.5	2983.2	2921.6	2901.0	2921.6	2924.5
22.5°	3218.1	3232.8	3156.5	3062.5	2927.4	2818.8	2751.3	2683.7	2672.0	2680.8	2680.8
25°	2328.5	2328.5	2302.0	2228.6	2258.0	2269.7	2349.0	2519.3	2484.1	2516.4	2513.4
27.5°	2008.4	2020.1	1967.3	1902.7	1835.2	1755.9	1741.2	1726.5	1711.8	1779.4	1802.9
30°	1773.5	1779.4	1735.3	1691.3	1635.5	1591.5	1579.7	1579.7	1565.0	1617.9	1614.9
32.5°	1550.3	1541.5	1529.8	1488.7	1453.4	1415.3	1424.1	1418.2	1418.2	1465.2	1468.1
35°	1374.2	1371.2	1362.4	1333.1	1297.8	1268.5	1277.3	1283.1	1280.2	1309.6	1309.6
37.5°	1245.0	1247.9	1242.0	1230.3	1195.1	1171.6	1177.4	1171.6	1180.4	1200.9	1200.9
40°	1118.7	1118.7	1121.6	1118.7	1095.2	1086.4	1104.0	1095.2	1115.8	1130.5	1124.6
42.5°	998.3	1001.3	1007.1	1001.3	986.6	977.8	986.6	989.5	1018.9	1039.4	1036.5
45°	922.0	922.0	924.9	922.0	910.2	901.4	901.4	892.6	913.2	924.9	922.0
47.5°	872.1	872.1	877.9	875.0	869.1	860.3	854.5	842.7	851.5	860.3	851.5
50°	854.5	854.5	866.2	866.2	863.3	854.5	845.6	831.0	833.9	839.8	828.0
52.5°	880.9	880.9	901.4	910.2	910.2	895.6	883.8	863.3	863.3	869.1	851.5
55°	936.7	936.7	969.0	986.6	989.5	989.5	974.8	954.3	957.2	969.0	951.3
57.5°	916.1	919.0	945.5	969.0	983.6	992.5	992.5	980.7	989.5	1018.9	1010.1
60°	819.2	825.1	842.7	863.3	889.7	898.5	898.5	895.6	910.2	945.5	945.5
62.5°	728.2	731.1	739.9	757.6	772.2	778.1	778.1	766.4	784.0	801.6	795.7
65°	657.7	654.8	672.4	687.1	695.9	704.7	695.9	684.1	693.0	704.7	701.8
67.5°	599.0	599.0	613.7	625.4	631.3	640.1	634.2	628.4	640.1	646.0	640.1
70°	543.2	546.1	557.9	566.7	572.6	581.4	572.6	569.6	581.4	587.3	584.3
72.5°	487.4	490.4	499.2	510.9	516.8	519.7	516.8	513.8	522.7	528.5	528.5
75°	437.5	440.4	446.3	458.1	458.1	463.9	461.0	458.1	466.9	472.7	472.7
77.5°	390.5	396.4	399.3	408.1	411.1	414.0	411.1	411.1	416.9	422.8	425.8
80°	349.4	352.4	355.3	364.1	364.1	367.0	364.1	364.1	370.0	378.8	378.8
82.5°	311.2	314.2	317.1	323.0	320.1	323.0	323.0	323.0	328.9	337.7	337.7
85°	273.1	278.9	278.9	284.8	284.8	284.8	284.8	287.8	290.7	299.5	299.5
87.5°	240.8	243.7	246.6	249.6	249.6	252.5	252.5	255.5	258.4	264.3	267.2
90°	208.5	211.4	214.3	214.3	214.3	217.3	217.3	220.2	223.2	229.0	232.0
92.5°	185.0	187.9	187.9	190.9	190.9	190.9	193.8	196.7	199.7	205.5	205.5
95°	164.4	167.4	167.4	167.4	167.4	170.3	170.3	173.2	176.2	182.0	182.0
97.5°	146.8	146.8	146.8	146.8	146.8	149.7	149.7	152.7	155.6	158.6	158.6
100°	129.2	129.2	129.2	129.2	129.2	129.2	129.2	132.1	132.1	138.0	138.0
102.5°	114.5	114.5	111.6	111.6	111.6	108.6	108.6	111.6	111.6	114.5	114.5
105°	102.8	102.8	102.8	102.8	99.8	99.8	99.8	99.8	99.8	102.8	102.8
107.5°	99.8	99.8	96.9	96.9	96.9	94.0	94.0	94.0	94.0	96.9	96.9
110°	96.9	96.9	96.9	96.9	94.0	94.0	91.0	91.0	91.0	94.0	94.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	99.8	99.8	99.8	96.9	96.9	94.0	94.0	94.0	94.0	94.0	96.9
115°	105.7	102.8	102.8	102.8	102.8	99.8	96.9	96.9	99.8	99.8	99.8
117.5°	114.5	111.6	111.6	114.5	111.6	108.6	105.7	105.7	108.6	108.6	111.6
120°	126.3	123.3	126.3	126.3	126.3	123.3	120.4	117.5	120.4	123.3	123.3
122.5°	140.9	138.0	140.9	143.9	143.9	140.9	135.1	135.1	138.0	140.9	143.9
125°	158.6	158.6	161.5	164.4	167.4	161.5	158.6	155.6	161.5	164.4	164.4
127.5°	179.1	176.2	182.0	190.9	193.8	187.9	182.0	179.1	185.0	190.9	190.9
130°	199.7	196.7	205.5	214.3	220.2	214.3	208.5	205.5	211.4	217.3	217.3
132.5°	217.3	214.3	226.1	237.8	243.7	240.8	234.9	229.0	237.8	243.7	240.8
135°	232.0	232.0	246.6	258.4	264.3	261.3	255.5	249.6	261.3	267.2	261.3
137.5°	240.8	240.8	258.4	270.1	276.0	276.0	273.1	267.2	278.9	281.9	273.1
140°	240.8	243.7	258.4	270.1	273.1	276.0	276.0	273.1	284.8	284.8	276.0
142.5°	232.0	234.9	249.6	261.3	264.3	267.2	270.1	267.2	276.0	276.0	270.1
145°	217.3	220.2	234.9	246.6	246.6	249.6	255.5	252.5	258.4	261.3	255.5
147.5°	196.7	199.7	211.4	217.3	220.2	226.1	232.0	232.0	234.9	237.8	234.9
150°	170.3	170.3	179.1	185.0	187.9	193.8	199.7	202.6	202.6	205.5	202.6
152.5°	135.1	135.1	140.9	146.8	149.7	158.6	161.5	164.4	167.4	170.3	167.4
155°	102.8	102.8	105.7	108.6	111.6	120.4	123.3	126.3	129.2	132.1	129.2
157.5°	73.4	73.4	76.3	79.3	82.2	88.1	91.0	94.0	94.0	96.9	96.9
160°	47.0	49.9	49.9	52.9	52.9	58.7	61.7	61.7	64.6	67.5	67.5
162.5°	23.5	26.4	26.4	29.4	32.3	35.2	38.2	38.2	41.1	41.1	41.1
165°	5.9	8.8	8.8	11.7	11.7	14.7	17.6	17.6	20.6	20.6	20.6
167.5°	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	5.9	5.9
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°	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7	8673.7
2.5°	7860.4	7854.5	8016.0	8145.2	8297.9	8418.2	8535.7	8647.3	8691.3	8688.4	8691.3
5°	6823.9	6926.6	7138.0	7346.5	7593.2	7825.1	8042.4	8186.3	8277.3	8277.3	8286.1
7.5°	5784.4	5948.9	6210.2	6542.0	6911.9	7214.4	7581.4	7839.8	8045.3	8039.5	8077.6
10°	4671.6	4800.8	5062.1	5417.4	5825.5	6174.9	6495.0	6735.8	6935.4	6923.7	6973.6
12.5°	3837.7	3928.7	4154.8	4477.8	4850.7	5188.4	5502.5	5690.5	5831.4	5828.5	5854.9
15°	3347.3	3441.3	3588.1	3811.3	4119.6	4419.1	4733.2	4903.5	4982.8	4974.0	5018.1
17.5°	3147.7	3185.8	3276.9	3426.6	3649.8	3893.5	4143.1	4289.9	4380.9	4369.1	4401.4
20°	2933.3	2968.6	3030.2	3141.8	3300.4	3485.3	3696.7	3858.2	3925.8	3922.8	3943.4
22.5°	2686.7	2704.3	2771.8	2859.9	2974.4	3124.2	3285.7	3432.5	3500.0	3497.1	3517.6
25°	2516.4	2545.7	2586.8	2639.7	2719.0	2836.4	2971.5	3074.3	3135.9	3130.0	3156.5
27.5°	1838.1	1867.5	1888.0	1920.3	1923.2	2020.1	2067.1	2152.3	2208.1	2205.1	2222.7
30°	1614.9	1620.8	1638.4	1682.5	1708.9	1785.2	1879.2	1943.8	1990.8	2008.4	2020.1
32.5°	1474.0	1491.6	1512.2	1532.7	1565.0	1612.0	1685.4	1744.1	1794.1	1802.9	1823.4
35°	1312.5	1324.3	1338.9	1359.5	1380.0	1418.2	1474.0	1521.0	1559.2	1573.8	1585.6
37.5°	1198.0	1200.9	1215.6	1239.1	1256.7	1289.0	1338.9	1374.2	1412.3	1415.3	1427.0
40°	1121.6	1124.6	1139.3	1159.8	1180.4	1200.9	1245.0	1277.3	1303.7	1306.6	1315.4
42.5°	1033.6	1042.4	1048.2	1057.1	1071.7	1089.4	1127.5	1145.1	1162.8	1165.7	1177.4
45°	913.2	916.1	922.0	930.8	948.4	966.0	992.5	1013.0	1024.8	1024.8	1021.8
47.5°	845.6	848.6	848.6	860.3	875.0	892.6	916.1	933.7	939.6	939.6	939.6
50°	822.2	822.2	816.3	825.1	839.8	851.5	875.0	889.7	892.6	895.6	898.5
52.5°	839.8	833.9	816.3	825.1	839.8	851.5	875.0	880.9	880.9	886.7	889.7
55°	936.7	927.9	892.6	898.5	916.1	930.8	948.4	951.3	957.2	966.0	963.1
57.5°	998.3	1004.2	963.1	971.9	1004.2	1015.9	1036.5	1033.6	1045.3	1057.1	1060.0
60°	939.6	957.2	924.9	936.7	974.8	980.7	1001.3	989.5	1007.1	1007.1	1007.1
62.5°	798.7	804.5	786.9	804.5	839.8	839.8	854.5	845.6	851.5	845.6	848.6
65°	698.8	695.9	675.3	698.8	710.6	716.4	728.2	731.1	731.1	725.3	725.3
67.5°	637.2	631.3	613.7	619.5	631.3	634.2	651.8	654.8	651.8	651.8	654.8
70°	581.4	572.6	555.0	557.9	566.7	569.6	584.3	590.2	587.3	584.3	587.3
72.5°	525.6	516.8	499.2	499.2	508.0	513.8	525.6	531.5	525.6	525.6	528.5
75°	472.7	463.9	446.3	446.3	452.2	455.1	469.8	472.7	469.8	466.9	469.8
77.5°	425.8	419.9	402.3	402.3	405.2	408.1	416.9	419.9	416.9	414.0	416.9
80°	381.7	372.9	361.2	358.2	361.2	361.2	370.0	372.9	367.0	367.0	370.0
82.5°	340.6	331.8	320.1	320.1	317.1	320.1	325.9	328.9	325.9	323.0	325.9
85°	302.4	296.6	284.8	281.9	281.9	281.9	287.8	287.8	284.8	284.8	284.8
87.5°	267.2	261.3	249.6	249.6	246.6	249.6	252.5	252.5	249.6	249.6	249.6
90°	232.0	226.1	217.3	217.3	214.3	217.3	220.2	220.2	217.3	217.3	217.3
92.5°	205.5	202.6	193.8	193.8	190.9	193.8	193.8	193.8	190.9	190.9	190.9
95°	182.0	179.1	173.2	170.3	170.3	170.3	170.3	170.3	167.4	167.4	167.4
97.5°	158.6	155.6	149.7	149.7	146.8	149.7	149.7	149.7	146.8	146.8	146.8
100°	138.0	135.1	132.1	132.1	129.2	129.2	129.2	129.2	129.2	129.2	129.2
102.5°	114.5	114.5	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6
105°	102.8	102.8	102.8	102.8	105.7	105.7	105.7	102.8	102.8	102.8	102.8
107.5°	96.9	96.9	96.9	99.8	99.8	99.8	102.8	96.9	94.0	94.0	94.0
110°	94.0	94.0	96.9	96.9	99.8	99.8	102.8	91.0	88.1	88.1	88.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	96.9	96.9	96.9	99.8	102.8	102.8	105.7	91.0	88.1	88.1	88.1
115°	102.8	102.8	102.8	105.7	108.6	111.6	111.6	96.9	91.0	91.0	94.0
117.5°	111.6	111.6	111.6	114.5	120.4	120.4	120.4	102.8	99.8	99.8	99.8
120°	123.3	126.3	126.3	129.2	135.1	138.0	132.1	117.5	99.8	108.6	108.6
122.5°	140.9	143.9	146.8	149.7	158.6	158.6	149.7	135.1	108.6	120.4	123.3
125°	164.4	167.4	170.3	176.2	185.0	185.0	173.2	152.7	123.3	135.1	138.0
127.5°	187.9	193.8	196.7	205.5	217.3	217.3	202.6	176.2	138.0	146.8	149.7
130°	214.3	220.2	226.1	237.8	252.5	246.6	234.9	199.7	149.7	155.6	155.6
132.5°	237.8	246.6	249.6	267.2	281.9	276.0	261.3	214.3	155.6	155.6	152.7
135°	255.5	261.3	264.3	281.9	296.6	287.8	270.1	220.2	152.7	146.8	146.8
137.5°	267.2	273.1	276.0	287.8	299.5	284.8	261.3	208.5	146.8	143.9	140.9
140°	273.1	273.1	273.1	281.9	287.8	270.1	240.8	187.9	132.1	138.0	138.0
142.5°	267.2	264.3	261.3	267.2	270.1	249.6	223.2	167.4	120.4	126.3	126.3
145°	252.5	246.6	243.7	246.6	246.6	223.2	193.8	143.9	105.7	108.6	108.6
147.5°	232.0	223.2	217.3	217.3	214.3	190.9	164.4	120.4	91.0	88.1	88.1
150°	199.7	190.9	185.0	185.0	176.2	155.6	132.1	94.0	73.4	73.4	73.4
152.5°	164.4	155.6	149.7	149.7	140.9	120.4	99.8	70.5	55.8	55.8	55.8
155°	129.2	120.4	114.5	111.6	105.7	91.0	73.4	52.9	41.1	41.1	41.1
157.5°	96.9	91.0	85.2	82.2	76.3	67.5	52.9	38.2	26.4	29.4	29.4
160°	67.5	61.7	58.7	55.8	52.9	44.0	35.2	23.5	14.7	14.7	14.7
162.5°	41.1	38.2	38.2	35.2	32.3	29.4	20.6	11.7	5.9	5.9	5.9
165°	20.6	20.6	17.6	17.6	14.7	11.7	8.8	2.9	0.0	0.0	0.0
167.5°	5.9	5.9	5.9	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)