

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: P691782

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8177 lumens
Efficiency: N/A
Efficacy: 109.2 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): 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



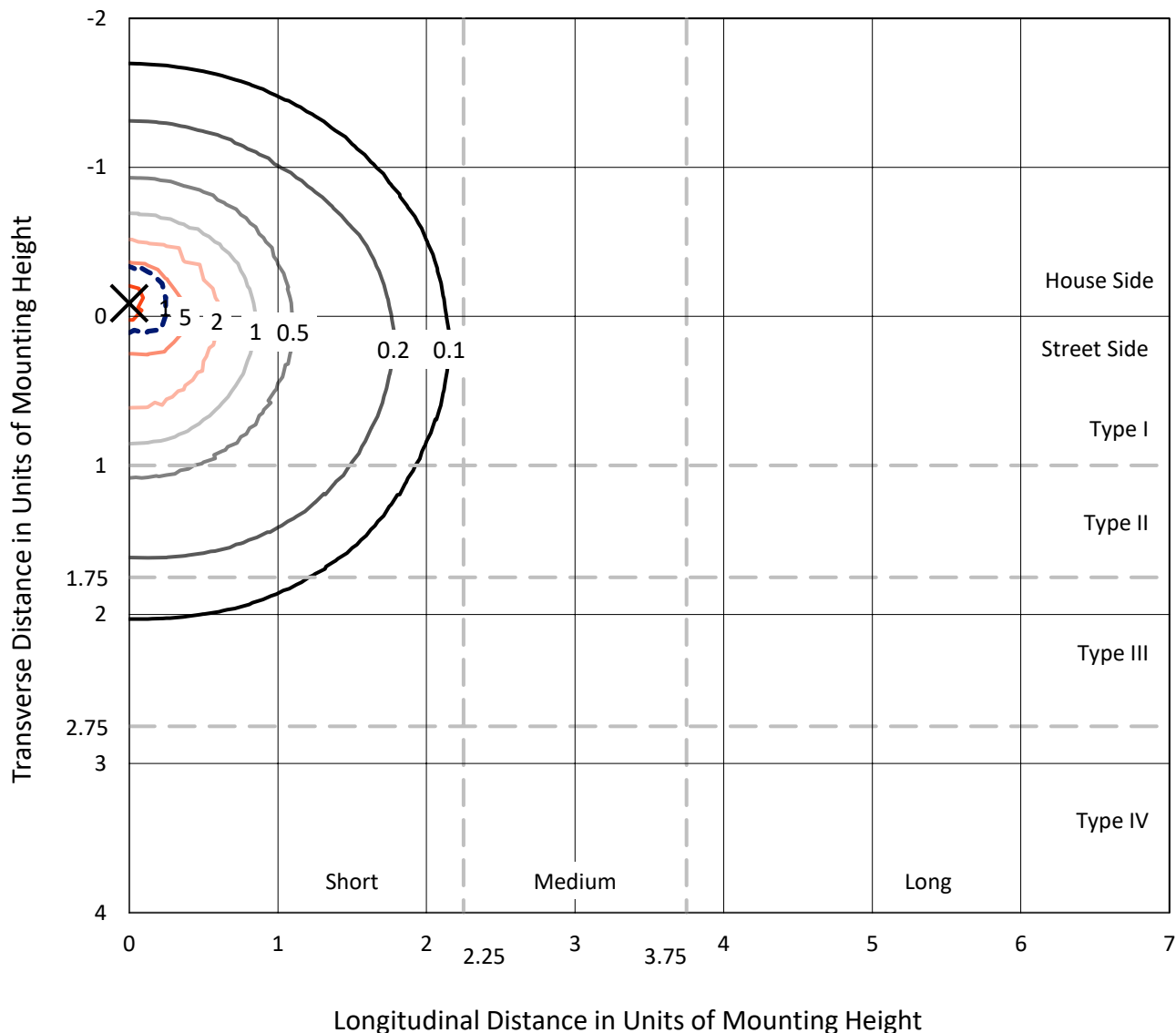
REPORT NUMBER: P691782

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

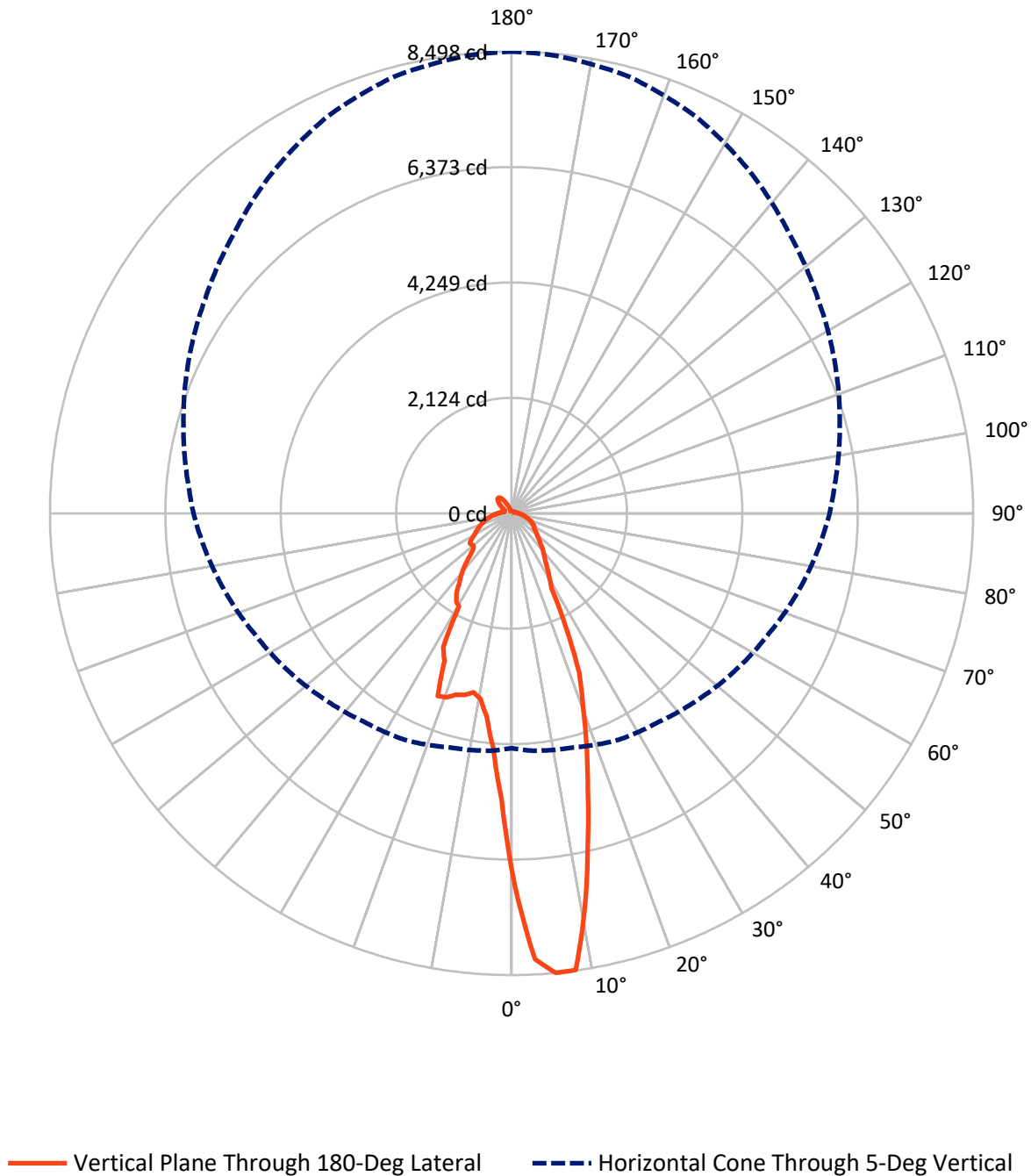


Based on 25 foot mounting height. Maximum calculated value = 13.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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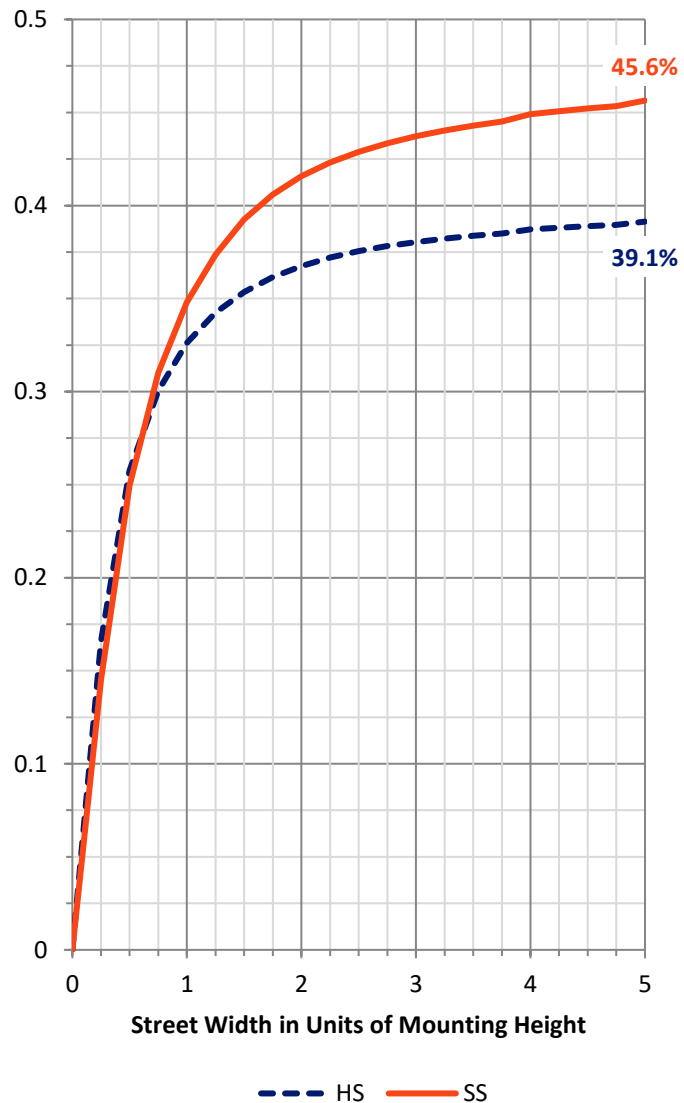
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3286.5	352.4	3638.9
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3835.3	702.8	4538.1
	% Fixture	46.9	8.6	55.5
Total	Lumens	7121.7	1055.2	8177.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.7	6.7
10°-20°	1178.8	14.4
20°-30°	1298.0	15.9
30°-40°	953.8	11.7
40°-50°	799.1	9.8
50°-60°	801.8	9.8
60°-70°	686.7	8.4
70°-80°	511.6	6.3
80°-90°	342.3	4.2
90°-100°	203.3	2.5
100°-110°	118.1	1.4
110°-120°	109.8	1.3
120°-130°	159.3	1.9
130°-140°	214.3	2.6
140°-150°	173.5	2.1
150°-160°	68.6	0.8
160°-170°	8.3	0.1
170°-180°	0.0	0.0
0°-90°	7121.7	87.1
0°-180°	8177.0	100.0

Coefficient of Utilization



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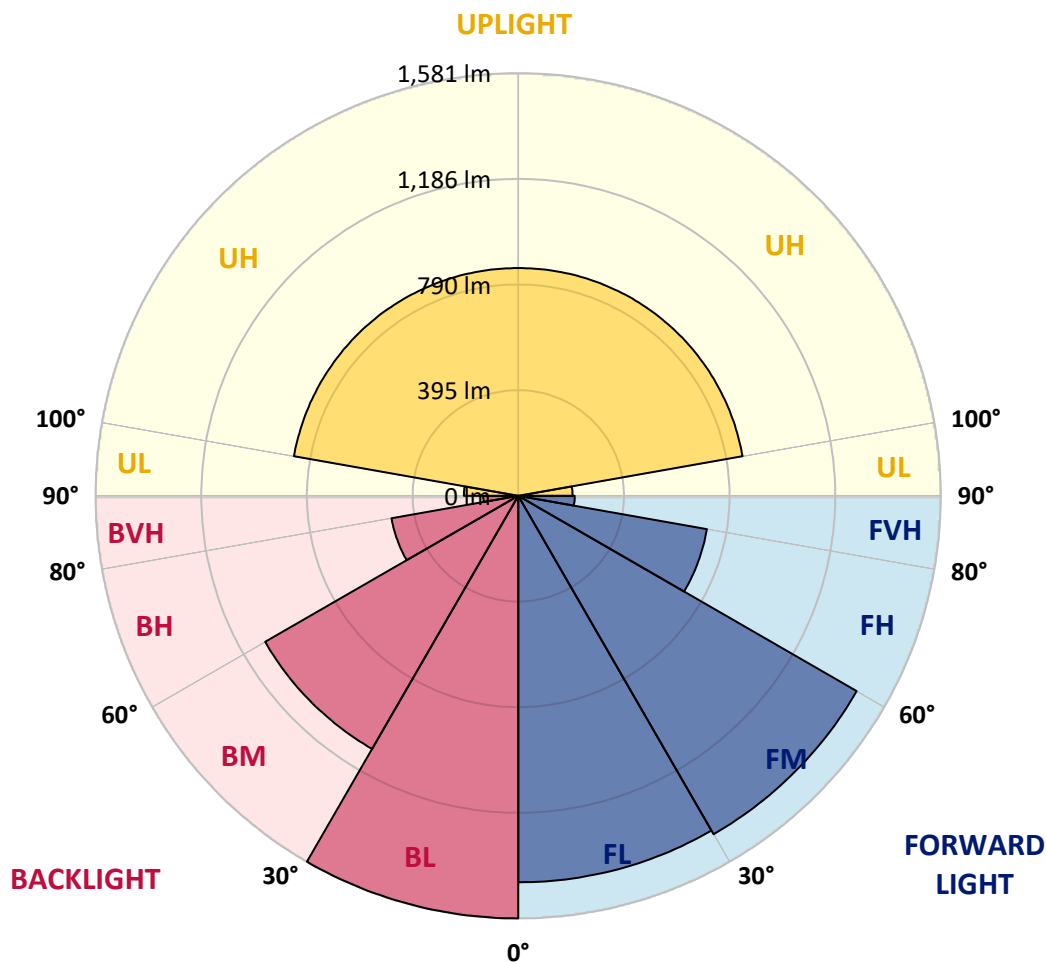
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1445.8	17.7			
FM	(30°-60°)	1461.6	17.9			
FH	(60°-80°)	716.6	8.8			G1/1800
FVH	(80°-90°)	211.3	2.6			G2/225
BL	(0°-30°)	1580.7	19.3	B3/2500		
BM	(30°-60°)	1093.1	13.4	B2/2500		
BH	(60°-80°)	481.7	5.9	B1/500		G1/500
BVH	(80°-90°)	131.0	1.6			G2/225
UL	(90°-100°)	203.3	2.5		U3/500	
UH	(100°-180°)	851.9	10.4		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°	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9
2.5°	5273.3	5351.3	5390.2	5507.1	5546.1	5620.8	5734.4	5848.1	6039.6	6182.5	6292.9
5°	4321.9	4386.9	4458.3	4607.7	4695.3	4851.2	5033.0	5227.9	5474.6	5724.7	5854.6
7.5°	3766.7	3782.9	3886.8	4068.6	4227.8	4393.4	4591.4	4760.3	4929.1	5133.7	5263.6
10°	3461.4	3484.2	3552.4	3692.0	3828.4	3964.7	4120.6	4250.5	4422.6	4594.7	4672.6
12.5°	3370.5	3380.3	3438.7	3519.9	3607.6	3695.2	3815.4	3932.3	4084.9	4234.2	4286.2
15°	3451.7	3451.7	3461.4	3493.9	3539.4	3607.6	3698.5	3799.1	3938.8	4049.2	4104.4
17.5°	3490.7	3493.9	3519.9	3526.4	3568.6	3597.8	3679.0	3756.9	3890.1	3981.0	4010.2
20°	3594.6	3594.6	3597.8	3614.0	3620.5	3636.8	3672.5	3714.7	3825.1	3873.8	3867.3
22.5°	3627.0	3614.0	3666.0	3760.2	3756.9	3760.2	3727.7	3737.4	3799.1	3779.7	3734.2
25°	2977.6	2961.4	3019.8	3078.3	3162.7	3269.9	3536.1	3743.9	3821.9	3760.2	3659.5
27.5°	2769.8	2698.4	2682.1	2542.5	2415.9	2208.0	2188.6	2058.7	2045.7	2126.9	2201.5
30°	1967.8	1971.0	1967.8	1954.8	1945.0	1954.8	1964.5	1941.8	1948.3	2000.2	1977.5
32.5°	1919.0	1919.0	1906.1	1899.6	1870.3	1860.6	1844.4	1802.2	1808.6	1847.6	1837.9
35°	1789.2	1782.7	1785.9	1769.7	1717.7	1675.5	1669.0	1633.3	1633.3	1656.0	1646.3
37.5°	1594.3	1584.6	1623.6	1620.3	1578.1	1561.9	1545.6	1522.9	1522.9	1542.4	1522.9
40°	1441.7	1435.2	1477.4	1490.4	1464.5	1470.9	1474.2	1454.7	1474.2	1477.4	1451.5
42.5°	1279.4	1276.1	1311.8	1308.6	1285.9	1282.6	1279.4	1266.4	1298.8	1324.8	1305.3
45°	1087.8	1078.0	1104.0	1113.8	1107.3	1097.5	1094.3	1094.3	1113.8	1126.8	1107.3
47.5°	961.1	964.4	983.9	1006.6	1013.1	1019.6	1016.3	1009.9	1022.8	1026.1	1009.9
50°	918.9	922.2	951.4	977.4	996.9	1009.9	1009.9	1000.1	1009.9	1000.1	977.4
52.5°	938.4	938.4	977.4	1016.3	1048.8	1071.6	1074.8	1061.8	1061.8	1035.8	1000.1
55°	944.9	951.4	1003.4	1068.3	1126.8	1188.4	1217.7	1207.9	1217.7	1162.5	1104.0
57.5°	883.2	899.5	951.4	1029.3	1107.3	1204.7	1266.4	1272.9	1269.6	1220.9	1149.5
60°	802.0	815.0	850.7	918.9	993.6	1071.6	1133.2	1146.2	1159.2	1136.5	1071.6
62.5°	746.8	753.3	782.6	831.3	883.2	925.4	948.2	944.9	957.9	951.4	902.7
65°	698.1	701.4	733.8	772.8	805.3	847.5	854.0	854.0	863.7	850.7	811.8
67.5°	646.2	646.2	672.2	707.9	746.8	782.6	792.3	795.5	808.5	795.5	766.3
70°	600.7	600.7	623.4	652.7	681.9	717.6	727.4	730.6	746.8	730.6	701.4
72.5°	558.5	558.5	578.0	604.0	629.9	659.2	668.9	672.2	685.1	668.9	646.2
75°	513.0	516.3	532.5	555.3	578.0	604.0	617.0	617.0	626.7	607.2	587.7
77.5°	467.6	470.8	487.1	506.6	526.0	552.0	558.5	561.8	571.5	552.0	532.5
80°	422.1	428.6	441.6	457.8	477.3	496.8	509.8	509.8	516.3	496.8	483.8
82.5°	379.9	386.4	396.1	409.1	428.6	448.1	461.1	461.1	464.3	448.1	431.9
85°	337.7	344.2	353.9	363.7	379.9	399.4	412.4	412.4	415.6	399.4	386.4
87.5°	298.7	305.2	311.7	321.5	334.5	353.9	366.9	366.9	366.9	353.9	340.9
90°	259.8	263.0	269.5	279.3	292.2	308.5	318.2	321.5	321.5	305.2	298.7
92.5°	230.5	230.5	237.0	243.5	256.5	269.5	279.3	282.5	282.5	272.8	263.0
95°	198.1	201.3	204.6	211.1	220.8	230.5	243.5	243.5	243.5	237.0	230.5
97.5°	175.3	172.1	175.3	178.6	188.3	194.8	204.6	207.8	207.8	201.3	198.1
100°	149.4	152.6	152.6	155.9	159.1	162.4	168.9	172.1	172.1	168.9	168.9
102.5°	139.6	136.4	136.4	136.4	136.4	136.4	139.6	139.6	142.9	139.6	136.4
105°	129.9	129.9	129.9	129.9	126.6	126.6	126.6	126.6	123.4	120.1	120.1
107.5°	126.6	126.6	126.6	126.6	123.4	123.4	120.1	120.1	116.9	113.6	110.4
110°	126.6	126.6	126.6	126.6	123.4	120.1	120.1	116.9	113.6	110.4	107.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	133.1	133.1	133.1	133.1	126.6	123.4	120.1	120.1	113.6	110.4	107.2
115°	146.1	146.1	142.9	142.9	139.6	133.1	129.9	126.6	123.4	116.9	113.6
117.5°	159.1	159.1	159.1	159.1	155.9	149.4	142.9	139.6	136.4	126.6	123.4
120°	181.8	181.8	181.8	185.1	178.6	172.1	165.6	159.1	155.9	146.1	139.6
122.5°	211.1	207.8	214.3	217.6	214.3	204.6	194.8	188.3	181.8	168.9	162.4
125°	240.3	240.3	246.8	256.5	256.5	246.8	233.8	224.1	217.6	198.1	188.3
127.5°	276.0	276.0	285.7	302.0	305.2	295.5	282.5	269.5	259.8	233.8	224.1
130°	308.5	308.5	328.0	347.4	357.2	347.4	334.5	318.2	305.2	276.0	259.8
132.5°	334.5	337.7	360.4	386.4	399.4	396.1	379.9	366.9	353.9	318.2	298.7
135°	360.4	363.7	389.7	422.1	438.4	438.4	425.4	409.1	392.9	353.9	331.2
137.5°	373.4	376.7	409.1	441.6	461.1	467.6	461.1	444.9	428.6	386.4	357.2
140°	373.4	379.9	412.4	444.9	464.3	474.1	474.1	457.8	441.6	402.6	373.4
142.5°	363.7	370.2	399.4	431.9	451.3	464.3	467.6	454.6	438.4	399.4	370.2
145°	344.2	347.4	376.7	405.9	425.4	441.6	448.1	438.4	418.9	386.4	357.2
147.5°	311.7	311.7	337.7	360.4	386.4	402.6	412.4	405.9	389.7	360.4	334.5
150°	266.3	266.3	285.7	308.5	331.2	350.7	360.4	360.4	344.2	321.5	295.5
152.5°	211.1	214.3	227.3	246.8	269.5	285.7	298.7	298.7	289.0	269.5	246.8
155°	162.4	162.4	172.1	185.1	204.6	220.8	230.5	230.5	224.1	207.8	194.8
157.5°	116.9	116.9	123.4	136.4	149.4	162.4	172.1	172.1	165.6	155.9	146.1
160°	77.9	77.9	81.2	90.9	100.7	110.4	116.9	120.1	116.9	110.4	100.7
162.5°	42.2	42.2	45.5	52.0	58.4	68.2	71.4	74.7	74.7	68.2	64.9
165°	13.0	13.0	13.0	19.5	22.7	29.2	32.5	35.7	35.7	35.7	32.5
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	6.5	9.7	9.7	9.7	9.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	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°	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9	6844.9
2.5°	6396.8	6637.1	6903.4	7176.1	7455.4	7718.4	7939.2	8114.6	8208.7	8231.5	8218.5
5°	5971.5	6254.0	6565.7	6883.9	7247.6	7666.5	8049.6	8325.6	8468.5	8491.2	8497.7
7.5°	5364.2	5611.0	5916.3	6283.2	6741.0	7189.1	7780.1	8192.5	8423.0	8484.7	8484.7
10°	4724.6	4942.1	5133.7	5455.2	5854.6	6273.4	6776.7	7156.7	7390.5	7465.1	7400.2
12.5°	4364.1	4458.3	4588.2	4825.2	5075.3	5393.5	5828.6	6075.4	6228.0	6273.4	6234.5
15°	4133.6	4182.3	4237.5	4338.2	4513.5	4711.6	4968.1	5120.7	5214.9	5270.1	5250.6
17.5°	4023.2	4023.2	4013.4	4036.2	4081.6	4172.6	4347.9	4403.1	4445.3	4468.0	4455.1
20°	3854.3	3802.4	3760.2	3695.2	3669.2	3666.0	3708.2	3766.7	3763.4	3766.7	3740.7
22.5°	3685.5	3578.3	3474.4	3377.0	3266.6	3211.4	3172.4	3191.9	3175.7	3191.9	3175.7
25°	3604.3	3386.7	3178.9	2941.9	2743.8	2591.2	2490.5	2428.8	2324.9	2363.9	2328.2
27.5°	2237.3	2146.3	2058.7	1883.3	1717.7	1659.3	1610.6	1584.6	1565.1	1574.9	1568.4
30°	1938.5	1863.8	1795.7	1704.7	1578.1	1500.2	1441.7	1389.8	1373.5	1376.8	1373.5
32.5°	1798.9	1740.5	1656.0	1561.9	1448.2	1350.8	1282.6	1233.9	1207.9	1224.2	1211.2
35°	1610.6	1552.1	1480.7	1393.0	1295.6	1207.9	1143.0	1097.5	1068.3	1074.8	1071.6
37.5°	1487.2	1432.0	1370.3	1276.1	1191.7	1107.3	1042.3	996.9	967.6	974.1	967.6
40°	1415.7	1354.0	1289.1	1204.7	1120.3	1032.6	970.9	918.9	889.7	889.7	889.7
42.5°	1269.6	1220.9	1165.7	1078.0	1003.4	928.7	867.0	828.0	795.5	798.8	792.3
45°	1084.5	1048.8	1006.6	948.2	886.5	828.0	776.1	746.8	720.9	724.1	720.9
47.5°	990.4	957.9	909.2	863.7	808.5	756.6	711.1	675.4	655.9	659.2	652.7
50°	954.7	915.7	860.5	798.8	746.8	694.9	649.4	623.4	604.0	607.2	604.0
52.5°	967.6	905.9	828.0	753.3	691.6	639.7	604.0	574.7	561.8	565.0	558.5
55°	1052.1	944.9	828.0	733.8	655.9	597.5	561.8	529.3	516.3	516.3	516.3
57.5°	1081.3	964.4	818.3	711.1	626.7	568.2	526.0	493.6	480.6	480.6	480.6
60°	1013.1	912.4	779.3	678.6	600.7	545.5	509.8	487.1	477.3	477.3	477.3
62.5°	867.0	802.0	701.4	620.2	561.8	513.0	477.3	448.1	438.4	435.1	435.1
65°	785.8	724.1	639.7	571.5	519.5	480.6	448.1	425.4	412.4	412.4	412.4
67.5°	733.8	675.4	597.5	532.5	483.8	441.6	412.4	389.7	383.2	379.9	379.9
70°	675.4	620.2	542.3	483.8	438.4	402.6	373.4	353.9	347.4	347.4	344.2
72.5°	617.0	565.0	490.3	435.1	392.9	360.4	334.5	318.2	311.7	308.5	308.5
75°	561.8	509.8	441.6	389.7	350.7	321.5	298.7	282.5	276.0	276.0	276.0
77.5°	509.8	461.1	396.1	347.4	315.0	285.7	266.3	253.3	246.8	246.8	246.8
80°	461.1	412.4	353.9	308.5	276.0	253.3	237.0	224.1	217.6	220.8	217.6
82.5°	409.1	370.2	315.0	272.8	246.8	224.1	207.8	198.1	191.6	194.8	191.6
85°	366.9	328.0	276.0	240.3	214.3	194.8	181.8	172.1	165.6	168.9	165.6
87.5°	324.7	289.0	243.5	211.1	188.3	172.1	155.9	149.4	146.1	146.1	142.9
90°	279.3	246.8	207.8	181.8	159.1	146.1	133.1	126.6	123.4	120.1	120.1
92.5°	246.8	220.8	185.1	162.4	142.9	133.1	120.1	113.6	110.4	110.4	110.4
95°	217.6	194.8	165.6	146.1	133.1	120.1	110.4	107.2	103.9	103.9	100.7
97.5°	188.3	168.9	149.4	133.1	120.1	110.4	100.7	97.4	94.2	94.2	94.2
100°	159.1	146.1	129.9	116.9	107.2	100.7	90.9	87.7	84.4	84.4	84.4
102.5°	133.1	123.4	110.4	100.7	94.2	87.7	81.2	77.9	74.7	74.7	74.7
105°	116.9	107.2	100.7	90.9	84.4	77.9	74.7	68.2	64.9	64.9	64.9
107.5°	107.2	100.7	94.2	87.7	81.2	74.7	68.2	61.7	58.4	58.4	58.4
110°	103.9	97.4	90.9	84.4	77.9	71.4	68.2	58.4	55.2	55.2	55.2



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	103.9	100.7	94.2	87.7	81.2	74.7	68.2	55.2	52.0	52.0	52.0
115°	110.4	103.9	97.4	90.9	84.4	77.9	71.4	55.2	52.0	52.0	52.0
117.5°	120.1	113.6	103.9	97.4	90.9	81.2	71.4	58.4	52.0	52.0	52.0
120°	136.4	126.6	116.9	107.2	97.4	87.7	74.7	58.4	48.7	52.0	52.0
122.5°	155.9	146.1	129.9	116.9	107.2	94.2	77.9	61.7	48.7	52.0	52.0
125°	181.8	168.9	149.4	133.1	116.9	100.7	81.2	61.7	48.7	52.0	55.2
127.5°	211.1	191.6	168.9	146.1	126.6	107.2	87.7	64.9	48.7	55.2	55.2
130°	243.5	220.8	191.6	162.4	139.6	113.6	90.9	64.9	52.0	52.0	52.0
132.5°	279.3	246.8	207.8	175.3	146.1	116.9	90.9	64.9	52.0	52.0	52.0
135°	305.2	266.3	224.1	185.1	152.6	120.1	94.2	64.9	48.7	48.7	48.7
137.5°	328.0	282.5	237.0	191.6	155.9	120.1	90.9	61.7	48.7	45.5	45.5
140°	340.9	289.0	237.0	191.6	152.6	116.9	84.4	58.4	42.2	42.2	42.2
142.5°	340.9	285.7	233.8	185.1	142.9	110.4	81.2	52.0	39.0	39.0	39.0
145°	328.0	272.8	220.8	175.3	133.1	100.7	71.4	48.7	35.7	35.7	35.7
147.5°	305.2	250.0	201.3	159.1	116.9	87.7	61.7	39.0	29.2	29.2	29.2
150°	272.8	220.8	175.3	136.4	100.7	71.4	52.0	32.5	22.7	22.7	22.7
152.5°	227.3	185.1	142.9	113.6	81.2	58.4	39.0	26.0	19.5	19.5	19.5
155°	178.6	146.1	113.6	87.7	61.7	42.2	29.2	19.5	13.0	13.0	13.0
157.5°	136.4	110.4	84.4	64.9	45.5	32.5	22.7	13.0	9.7	9.7	9.7
160°	94.2	74.7	58.4	45.5	29.2	22.7	16.2	9.7	6.5	6.5	6.5
162.5°	61.7	48.7	35.7	26.0	19.5	13.0	9.7	6.5	3.2	3.2	3.2
165°	29.2	22.7	19.5	13.0	9.7	6.5	3.2	3.2	0.0	0.0	0.0
167.5°	9.7	6.5	6.5	3.2	3.2	3.2	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)