

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: P691006

Luminaire Tested: **CRTK2-C01-D-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691006
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-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 6729 lumens
Efficiency: N/A
Efficacy: 110.3 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



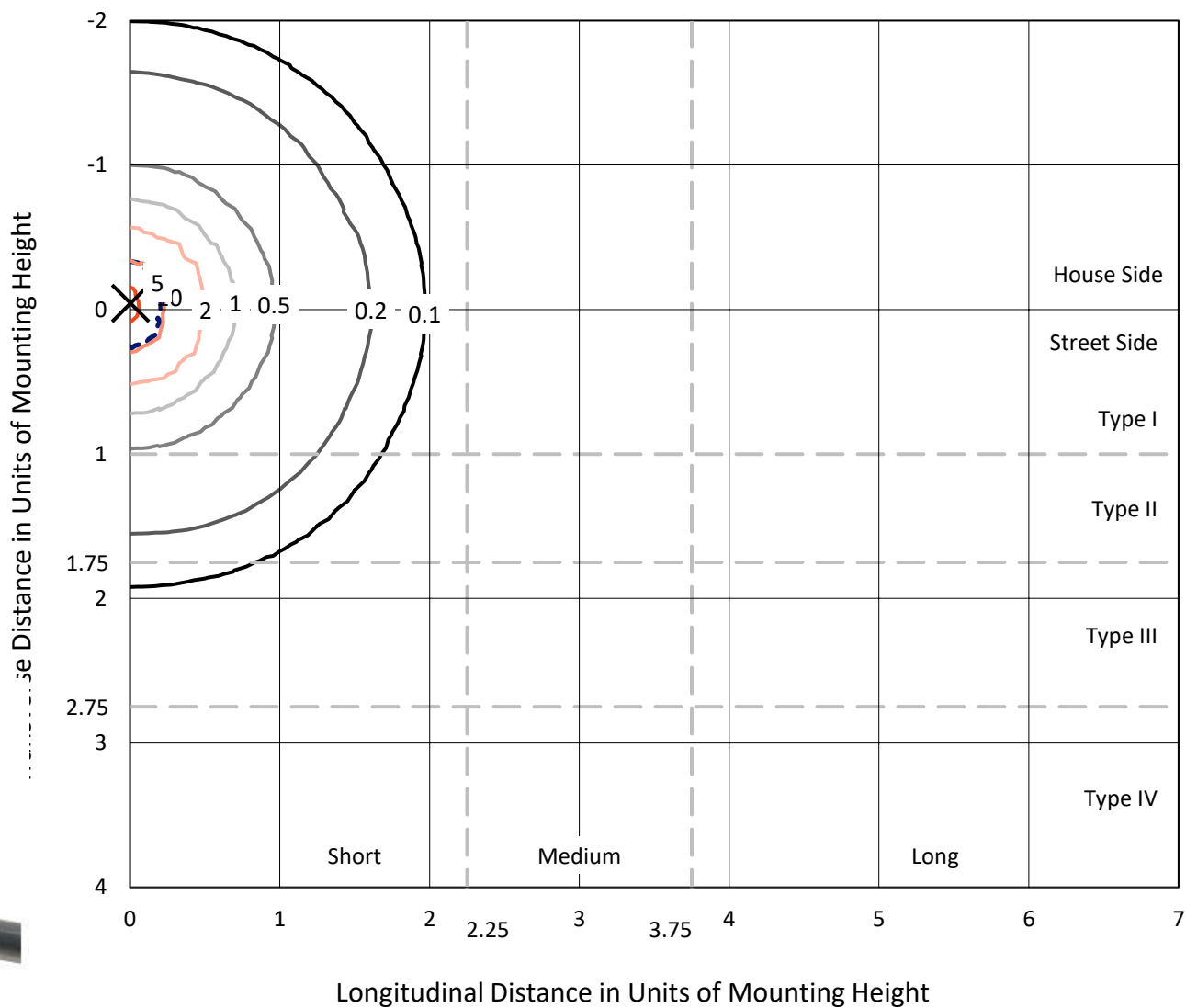
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

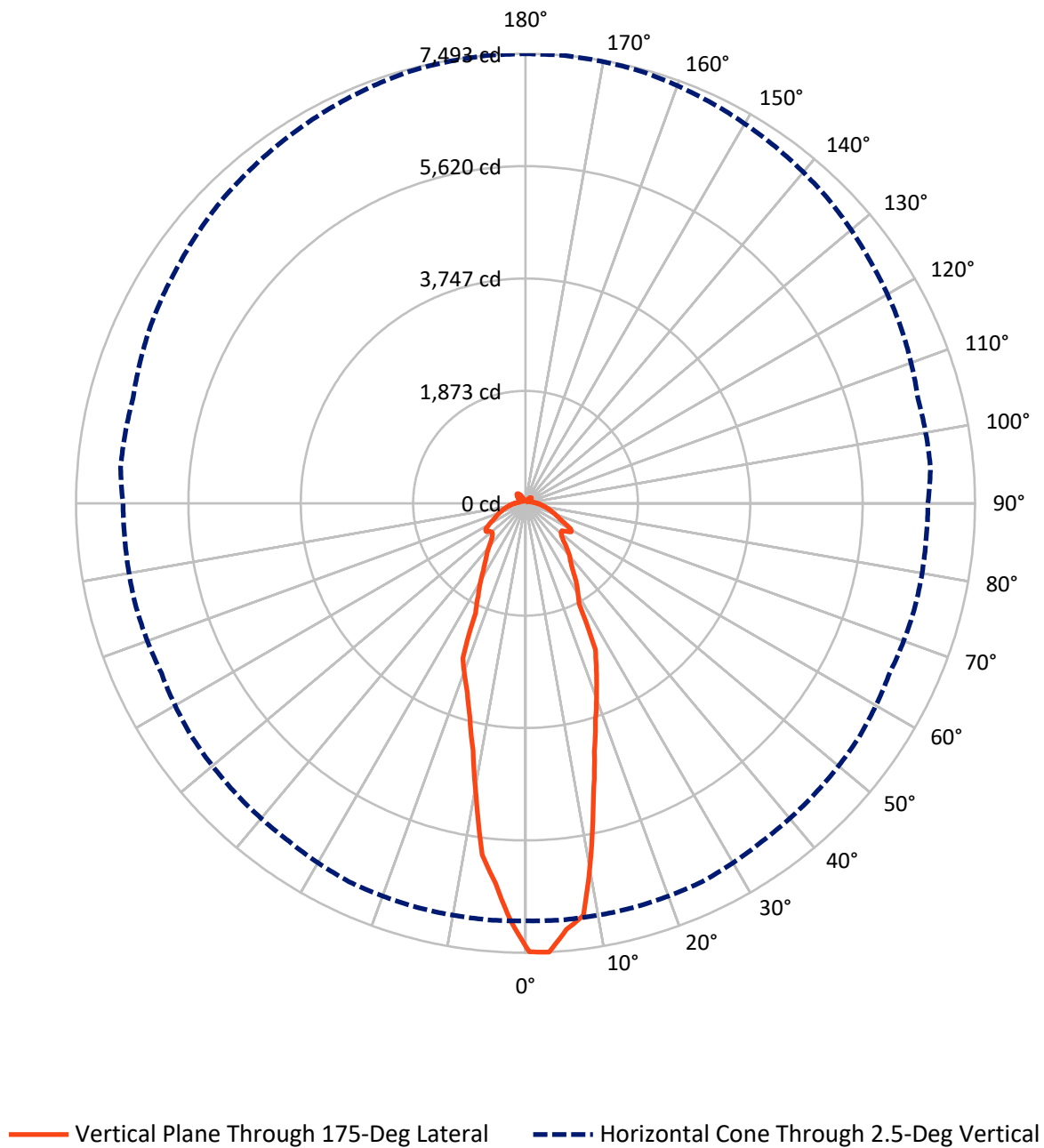


Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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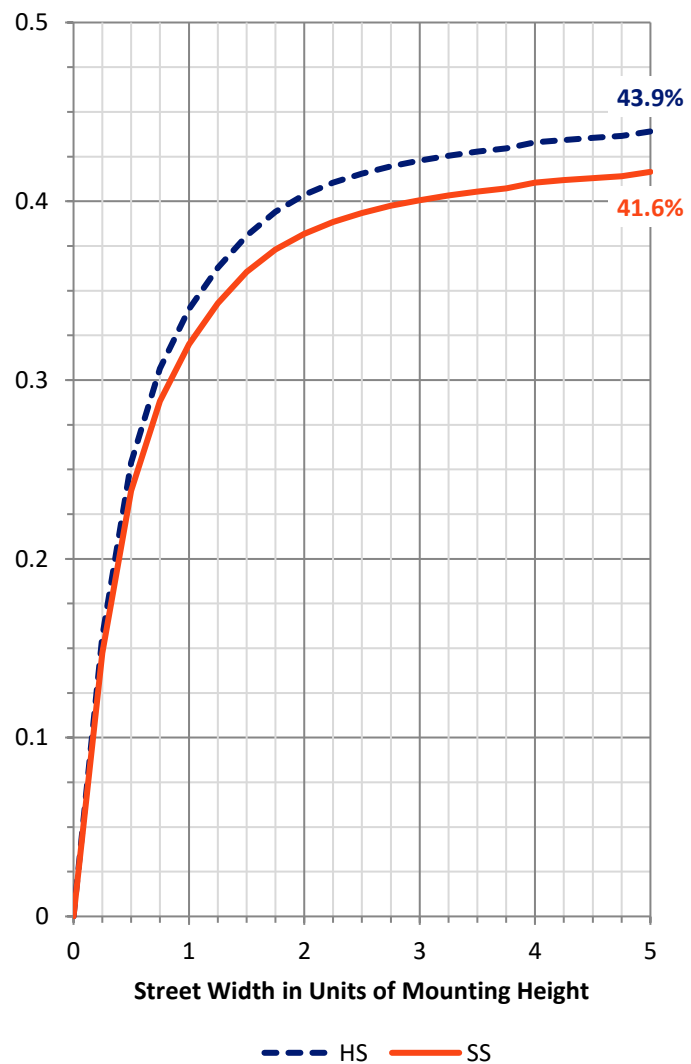
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3045.4	402.3	3447.8
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	2868.3	412.9	3281.2
	% Fixture	42.6	6.1	48.8
Total	Lumens	5913.8	815.2	6729.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.7	8.3
10°-20°	977.1	14.5
20°-30°	968.9	14.4
30°-40°	746.9	11.1
40°-50°	640.3	9.5
50°-60°	716.2	10.6
60°-70°	613.6	9.1
70°-80°	422.2	6.3
80°-90°	271.8	4.0
90°-100°	162.9	2.4
100°-110°	96.9	1.4
110°-120°	89.7	1.3
120°-130°	128.0	1.9
130°-140°	165.4	2.5
140°-150°	122.4	1.8
150°-160°	44.8	0.7
160°-170°	5.2	0.1
170°-180°	0.0	0.0
0°-90°	5913.8	87.9
0°-180°	6729.0	100.0

Coefficient of Utilization



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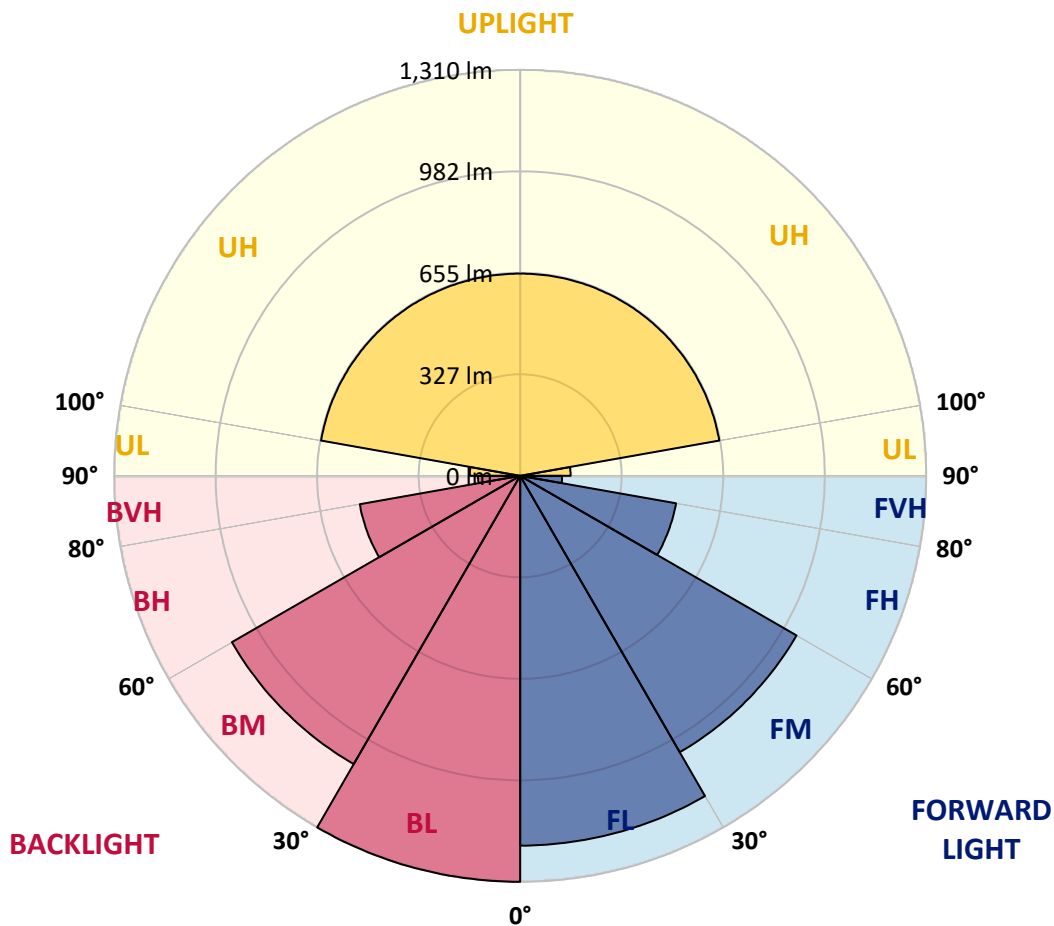
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1192.9	17.7			
FM	(30°-60°)	1029.5	15.3			
FH	(60°-80°)	510.4	7.6			G0/660
FVH	(80°-90°)	135.5	2.0			G2/225
BL	(0°-30°)	1309.8	19.5	B3/2500		
BM	(30°-60°)	1073.9	16.0	B2/2500		
BH	(60°-80°)	525.4	7.8	B2/1000		G0/660
BVH	(80°-90°)	136.3	2.0			G2/225
UL	(90°-100°)	162.9	2.4		U3/500	
UH	(100°-180°)	652.4	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°	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9
2.5°	6961.5	6971.6	6974.2	6961.5	6878.0	6834.9	6789.4	6698.2	6718.5	6705.8	6708.4
5°	6313.5	6354.0	6290.7	6273.0	6146.4	6052.7	5961.6	5862.9	5840.1	5799.6	5814.8
7.5°	5883.1	5905.9	5802.1	5695.8	5493.3	5349.0	5197.1	5045.2	4931.3	4888.3	4906.0
10°	4898.4	4974.3	4870.5	4761.7	4569.3	4397.1	4237.7	4088.3	3984.5	3951.6	3956.7
12.5°	4164.3	4207.3	4118.7	4045.3	3830.1	3665.6	3518.7	3379.5	3296.0	3260.5	3260.5
15°	3678.2	3695.9	3627.6	3485.8	3323.8	3174.5	3050.4	2949.2	2880.8	2868.1	2873.2
17.5°	3311.2	3311.2	3242.8	3131.4	3007.4	2875.7	2789.7	2713.7	2683.3	2693.5	2696.0
20°	3035.2	3037.8	2977.0	2868.1	2761.8	2642.8	2572.0	2518.8	2501.1	2518.8	2521.3
22.5°	2774.5	2787.1	2721.3	2640.3	2523.9	2430.2	2372.0	2313.8	2303.6	2311.2	2311.2
25°	2007.4	2007.4	1984.7	1921.4	1946.7	1956.8	2025.2	2172.0	2141.6	2169.5	2166.9
27.5°	1731.5	1741.6	1696.1	1640.4	1582.2	1513.8	1501.2	1488.5	1475.8	1534.1	1554.3
30°	1529.0	1534.1	1496.1	1458.1	1410.0	1372.1	1361.9	1361.9	1349.3	1394.8	1392.3
32.5°	1336.6	1329.0	1318.9	1283.5	1253.1	1220.2	1227.8	1222.7	1222.7	1263.2	1265.7
35°	1184.7	1182.2	1174.6	1149.3	1118.9	1093.6	1101.2	1106.2	1103.7	1129.0	1129.0
37.5°	1073.3	1075.9	1070.8	1060.7	1030.3	1010.1	1015.1	1010.1	1017.6	1035.4	1035.4
40°	964.5	964.5	967.0	964.5	944.2	936.6	951.8	944.2	962.0	974.6	969.5
42.5°	860.7	863.2	868.3	863.2	850.6	843.0	850.6	853.1	878.4	896.1	893.6
45°	794.9	794.9	797.4	794.9	784.8	777.2	777.2	769.6	787.3	797.4	794.9
47.5°	751.8	751.8	756.9	754.4	749.3	741.7	736.7	726.5	734.1	741.7	734.1
50°	736.7	736.7	746.8	746.8	744.2	736.7	729.1	716.4	718.9	724.0	713.9
52.5°	759.4	759.4	777.2	784.8	784.8	772.1	762.0	744.2	744.2	749.3	734.1
55°	807.5	807.5	835.4	850.6	853.1	853.1	840.4	822.7	825.3	835.4	820.2
57.5°	789.8	792.3	815.1	835.4	848.0	855.6	855.6	845.5	853.1	878.4	870.8
60°	706.3	711.3	726.5	744.2	767.0	774.6	774.6	772.1	784.8	815.1	815.1
62.5°	627.8	630.3	637.9	653.1	665.8	670.8	670.8	660.7	675.9	691.1	686.0
65°	567.0	564.5	579.7	592.4	600.0	607.6	600.0	589.8	597.4	607.6	605.0
67.5°	516.4	516.4	529.1	539.2	544.3	551.9	546.8	541.7	551.9	556.9	551.9
70°	468.3	470.9	481.0	488.6	493.6	501.2	493.6	491.1	501.2	506.3	503.8
72.5°	420.2	422.8	430.3	440.5	445.5	448.1	445.5	443.0	450.6	455.7	455.7
75°	377.2	379.7	384.8	394.9	394.9	400.0	397.4	394.9	402.5	407.6	407.6
77.5°	336.7	341.7	344.3	351.9	354.4	356.9	354.4	354.4	359.5	364.5	367.1
80°	301.2	303.8	306.3	313.9	313.9	316.4	313.9	313.9	319.0	326.6	326.6
82.5°	268.3	270.9	273.4	278.5	275.9	278.5	278.5	278.5	283.5	291.1	291.1
85°	235.4	240.5	240.5	245.6	245.6	245.6	245.6	248.1	250.6	258.2	258.2
87.5°	207.6	210.1	212.6	215.2	215.2	217.7	217.7	220.2	222.8	227.8	230.4
90°	179.7	182.3	184.8	184.8	184.8	187.3	187.3	189.9	192.4	197.5	200.0
92.5°	159.5	162.0	162.0	164.5	164.5	164.5	167.1	169.6	172.1	177.2	177.2
95°	141.8	144.3	144.3	144.3	144.3	146.8	146.8	149.4	151.9	157.0	157.0
97.5°	126.6	126.6	126.6	126.6	126.6	129.1	129.1	131.6	134.2	136.7	136.7
100°	111.4	111.4	111.4	111.4	111.4	111.4	111.4	113.9	113.9	119.0	119.0
102.5°	98.7	98.7	96.2	96.2	96.2	93.7	93.7	96.2	96.2	98.7	98.7
105°	88.6	88.6	88.6	88.6	86.1	86.1	86.1	86.1	86.1	88.6	88.6
107.5°	86.1	86.1	83.5	83.5	83.5	81.0	81.0	81.0	81.0	83.5	83.5
110°	83.5	83.5	83.5	83.5	81.0	81.0	78.5	78.5	78.5	81.0	81.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	86.1	86.1	86.1	83.5	83.5	81.0	81.0	81.0	81.0	81.0	83.5
115°	91.1	88.6	88.6	88.6	88.6	86.1	83.5	83.5	86.1	86.1	86.1
117.5°	98.7	96.2	96.2	98.7	96.2	93.7	91.1	91.1	93.7	93.7	96.2
120°	108.9	106.3	108.9	108.9	108.9	106.3	103.8	101.3	103.8	106.3	106.3
122.5°	121.5	119.0	121.5	124.0	124.0	121.5	116.4	116.4	119.0	121.5	124.0
125°	136.7	136.7	139.2	141.8	144.3	139.2	136.7	134.2	139.2	141.8	141.8
127.5°	154.4	151.9	157.0	164.5	167.1	162.0	157.0	154.4	159.5	164.5	164.5
130°	172.1	169.6	177.2	184.8	189.9	184.8	179.7	177.2	182.3	187.3	187.3
132.5°	187.3	184.8	194.9	205.0	210.1	207.6	202.5	197.5	205.0	210.1	207.6
135°	200.0	200.0	212.6	222.8	227.8	225.3	220.2	215.2	225.3	230.4	225.3
137.5°	207.6	207.6	222.8	232.9	238.0	238.0	235.4	230.4	240.5	243.0	235.4
140°	207.6	210.1	222.8	232.9	235.4	238.0	238.0	235.4	245.6	245.6	238.0
142.5°	200.0	202.5	215.2	225.3	227.8	230.4	232.9	230.4	238.0	238.0	232.9
145°	187.3	189.9	202.5	212.6	212.6	215.2	220.2	217.7	222.8	225.3	220.2
147.5°	169.6	172.1	182.3	187.3	189.9	194.9	200.0	200.0	202.5	205.0	202.5
150°	146.8	146.8	154.4	159.5	162.0	167.1	172.1	174.7	174.7	177.2	174.7
152.5°	116.4	116.4	121.5	126.6	129.1	136.7	139.2	141.8	144.3	146.8	144.3
155°	88.6	88.6	91.1	93.7	96.2	103.8	106.3	108.9	111.4	113.9	111.4
157.5°	63.3	63.3	65.8	68.3	70.9	75.9	78.5	81.0	81.0	83.5	83.5
160°	40.5	43.0	43.0	45.6	45.6	50.6	53.2	53.2	55.7	58.2	58.2
162.5°	20.3	22.8	22.8	25.3	27.8	30.4	32.9	32.9	35.4	35.4	35.4
165°	5.1	7.6	7.6	10.1	10.1	12.7	15.2	15.2	17.7	17.7	17.7
167.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1	5.1
170°	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	2.5	2.5	2.5
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°	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9	7477.9
2.5°	6776.7	6771.7	6910.9	7022.3	7153.9	7257.7	7359.0	7455.2	7493.1	7490.6	7493.1
5°	5883.1	5971.7	6154.0	6333.7	6546.4	6746.3	6933.7	7057.7	7136.2	7136.2	7143.8
7.5°	4987.0	5128.7	5354.0	5640.1	5959.1	6219.8	6536.2	6759.0	6936.2	6931.1	6964.1
10°	4027.6	4138.9	4364.2	4670.5	5022.4	5323.7	5599.6	5807.2	5979.3	5969.2	6012.2
12.5°	3308.6	3387.1	3582.0	3860.5	4182.0	4473.1	4744.0	4906.0	5027.5	5025.0	5047.7
15°	2885.9	2966.9	3093.4	3285.8	3551.6	3809.9	4080.7	4227.5	4295.9	4288.3	4326.3
17.5°	2713.7	2746.6	2825.1	2954.2	3146.6	3356.7	3571.9	3698.5	3776.9	3766.8	3794.7
20°	2528.9	2559.3	2612.5	2708.7	2845.4	3004.8	3187.1	3326.3	3384.6	3382.0	3399.8
22.5°	2316.3	2331.5	2389.7	2465.6	2564.4	2693.5	2832.7	2959.3	3017.5	3015.0	3032.7
25°	2169.5	2194.8	2230.2	2275.8	2344.1	2445.4	2561.8	2650.4	2703.6	2698.5	2721.3
27.5°	1584.7	1610.0	1627.7	1655.6	1658.1	1741.6	1782.1	1855.6	1903.7	1901.1	1916.3
30°	1392.3	1397.4	1412.6	1450.5	1473.3	1539.1	1620.1	1675.8	1716.3	1731.5	1741.6
32.5°	1270.8	1286.0	1303.7	1321.4	1349.3	1389.8	1453.1	1503.7	1546.7	1554.3	1572.0
35°	1131.6	1141.7	1154.3	1172.1	1189.8	1222.7	1270.8	1311.3	1344.2	1356.9	1367.0
37.5°	1032.8	1035.4	1048.0	1068.3	1083.5	1111.3	1154.3	1184.7	1217.6	1220.2	1230.3
40°	967.0	969.5	982.2	999.9	1017.6	1035.4	1073.3	1101.2	1124.0	1126.5	1134.1
42.5°	891.1	898.7	903.7	911.3	924.0	939.2	972.1	987.3	1002.5	1005.0	1015.1
45°	787.3	789.8	794.9	802.5	817.7	832.9	855.6	873.4	883.5	883.5	880.9
47.5°	729.1	731.6	731.6	741.7	754.4	769.6	789.8	805.0	810.1	810.1	810.1
50°	708.8	708.8	703.7	711.3	724.0	734.1	754.4	767.0	769.6	772.1	774.6
52.5°	724.0	718.9	703.7	711.3	724.0	734.1	754.4	759.4	759.4	764.5	767.0
55°	807.5	799.9	769.6	774.6	789.8	802.5	817.7	820.2	825.3	832.9	830.3
57.5°	860.7	865.8	830.3	837.9	865.8	875.9	893.6	891.1	901.2	911.3	913.9
60°	810.1	825.3	797.4	807.5	840.4	845.5	863.2	853.1	868.3	868.3	868.3
62.5°	688.6	693.6	678.4	693.6	724.0	724.0	736.7	729.1	734.1	729.1	731.6
65°	602.5	600.0	582.2	602.5	612.6	617.7	627.8	630.3	630.3	625.3	625.3
67.5°	549.3	544.3	529.1	534.1	544.3	546.8	562.0	564.5	562.0	562.0	564.5
70°	501.2	493.6	478.4	481.0	488.6	491.1	503.8	508.8	506.3	503.8	506.3
72.5°	453.1	445.5	430.3	430.3	437.9	443.0	453.1	458.2	453.1	453.1	455.7
75°	407.6	400.0	384.8	384.8	389.8	392.4	405.0	407.6	405.0	402.5	405.0
77.5°	367.1	362.0	346.8	346.8	349.3	351.9	359.5	362.0	359.5	356.9	359.5
80°	329.1	321.5	311.4	308.8	311.4	311.4	319.0	321.5	316.4	316.4	319.0
82.5°	293.6	286.1	275.9	275.9	273.4	275.9	281.0	283.5	281.0	278.5	281.0
85°	260.7	255.7	245.6	243.0	243.0	243.0	248.1	248.1	245.6	245.6	245.6
87.5°	230.4	225.3	215.2	215.2	212.6	215.2	217.7	217.7	215.2	215.2	215.2
90°	200.0	194.9	187.3	187.3	184.8	187.3	189.9	189.9	187.3	187.3	187.3
92.5°	177.2	174.7	167.1	167.1	164.5	167.1	167.1	167.1	164.5	164.5	164.5
95°	157.0	154.4	149.4	146.8	146.8	146.8	146.8	146.8	144.3	144.3	144.3
97.5°	136.7	134.2	129.1	129.1	126.6	129.1	129.1	129.1	126.6	126.6	126.6
100°	119.0	116.4	113.9	113.9	111.4	111.4	111.4	111.4	111.4	111.4	111.4
102.5°	98.7	98.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
105°	88.6	88.6	88.6	88.6	91.1	91.1	91.1	88.6	88.6	88.6	88.6
107.5°	83.5	83.5	83.5	86.1	86.1	86.1	88.6	83.5	81.0	81.0	81.0
110°	81.0	81.0	83.5	83.5	86.1	86.1	88.6	78.5	75.9	75.9	75.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	83.5	83.5	83.5	86.1	88.6	88.6	91.1	78.5	75.9	75.9	75.9
115°	88.6	88.6	88.6	91.1	93.7	96.2	96.2	83.5	78.5	78.5	81.0
117.5°	96.2	96.2	96.2	98.7	103.8	103.8	103.8	88.6	86.1	86.1	86.1
120°	106.3	108.9	108.9	111.4	116.4	119.0	113.9	101.3	86.1	93.7	93.7
122.5°	121.5	124.0	126.6	129.1	136.7	136.7	129.1	116.4	93.7	103.8	106.3
125°	141.8	144.3	146.8	151.9	159.5	159.5	149.4	131.6	106.3	116.4	119.0
127.5°	162.0	167.1	169.6	177.2	187.3	187.3	174.7	151.9	119.0	126.6	129.1
130°	184.8	189.9	194.9	205.0	217.7	212.6	202.5	172.1	129.1	134.2	134.2
132.5°	205.0	212.6	215.2	230.4	243.0	238.0	225.3	184.8	134.2	134.2	131.6
135°	220.2	225.3	227.8	243.0	255.7	248.1	232.9	189.9	131.6	126.6	126.6
137.5°	230.4	235.4	238.0	248.1	258.2	245.6	225.3	179.7	126.6	124.0	121.5
140°	235.4	235.4	235.4	243.0	248.1	232.9	207.6	162.0	113.9	119.0	119.0
142.5°	230.4	227.8	225.3	230.4	232.9	215.2	192.4	144.3	103.8	108.9	108.9
145°	217.7	212.6	210.1	212.6	212.6	192.4	167.1	124.0	91.1	93.7	93.7
147.5°	200.0	192.4	187.3	187.3	184.8	164.5	141.8	103.8	78.5	75.9	75.9
150°	172.1	164.5	159.5	159.5	151.9	134.2	113.9	81.0	63.3	63.3	63.3
152.5°	141.8	134.2	129.1	129.1	121.5	103.8	86.1	60.8	48.1	48.1	48.1
155°	111.4	103.8	98.7	96.2	91.1	78.5	63.3	45.6	35.4	35.4	35.4
157.5°	83.5	78.5	73.4	70.9	65.8	58.2	45.6	32.9	22.8	25.3	25.3
160°	58.2	53.2	50.6	48.1	45.6	38.0	30.4	20.3	12.7	12.7	12.7
162.5°	35.4	32.9	32.9	30.4	27.8	25.3	17.7	10.1	5.1	5.1	5.1
165°	17.7	17.7	15.2	15.2	12.7	10.1	7.6	2.5	0.0	0.0	0.0
167.5°	5.1	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
170°	2.5	2.5	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)