

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: P853335

Luminaire Tested: **CRTK-N-30-727-U-T2R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-30-727-U-T2R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

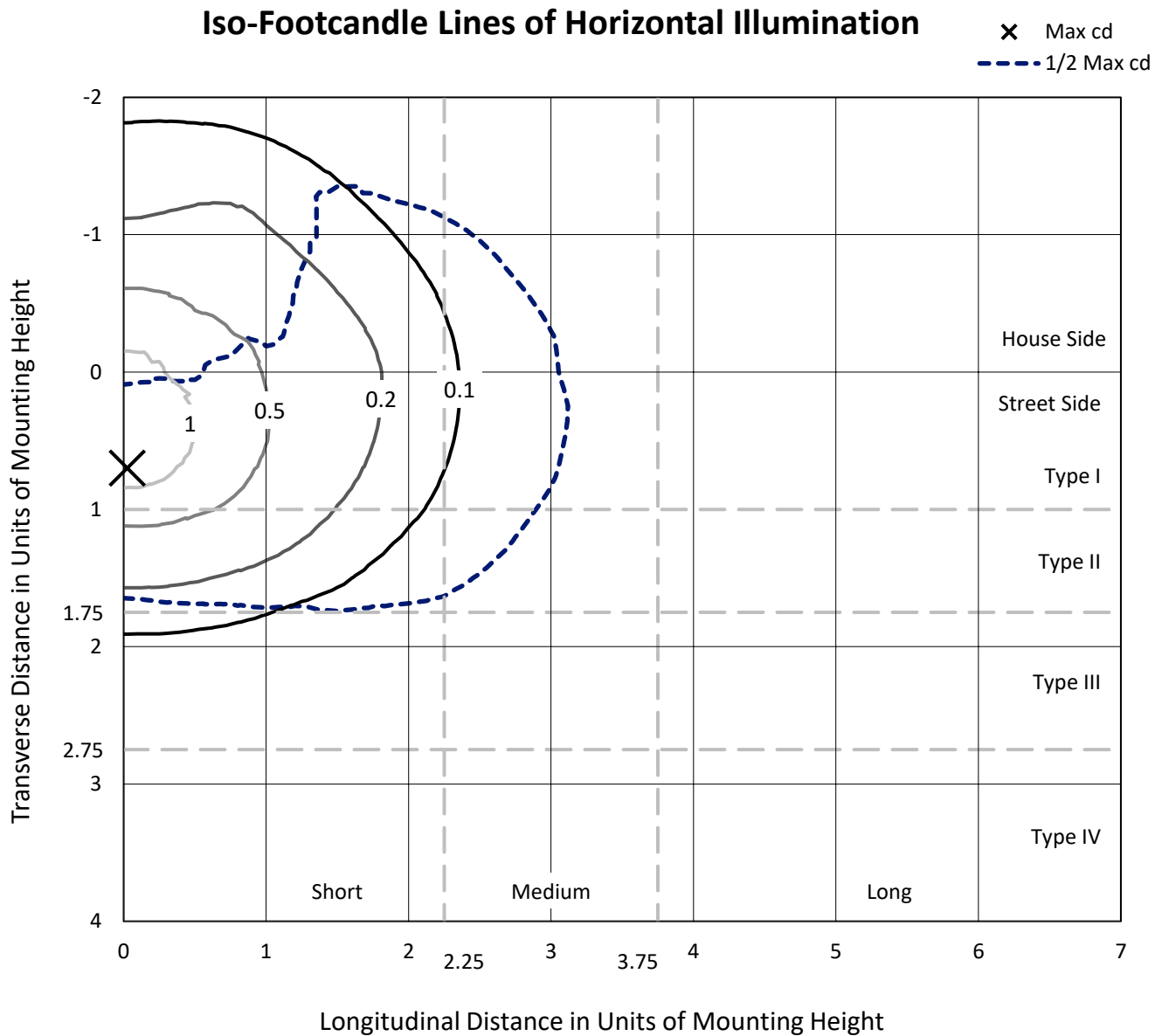
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4189.9 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 32.3
Input Voltage (V): 120.0
Input Current (Ain): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



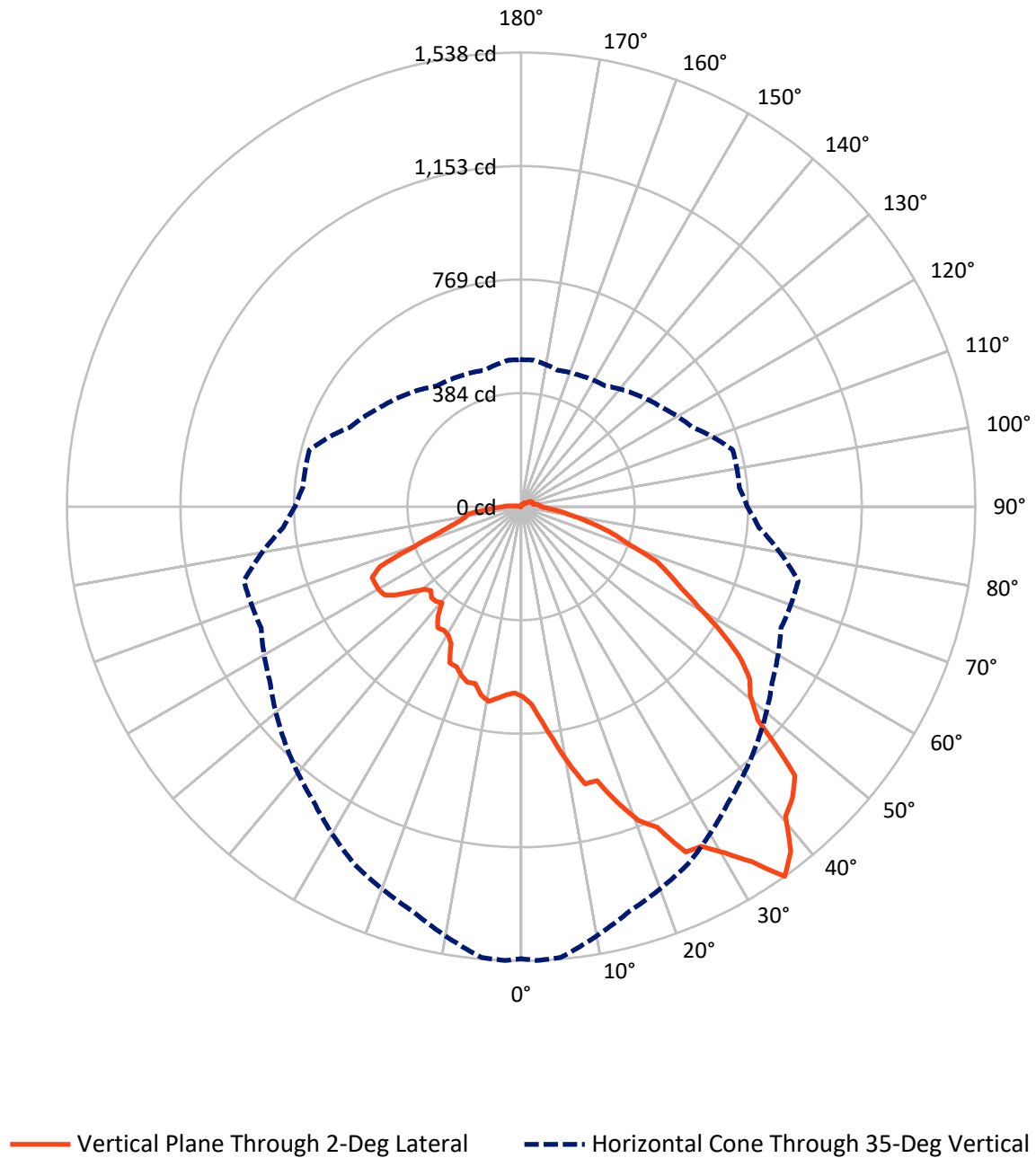
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Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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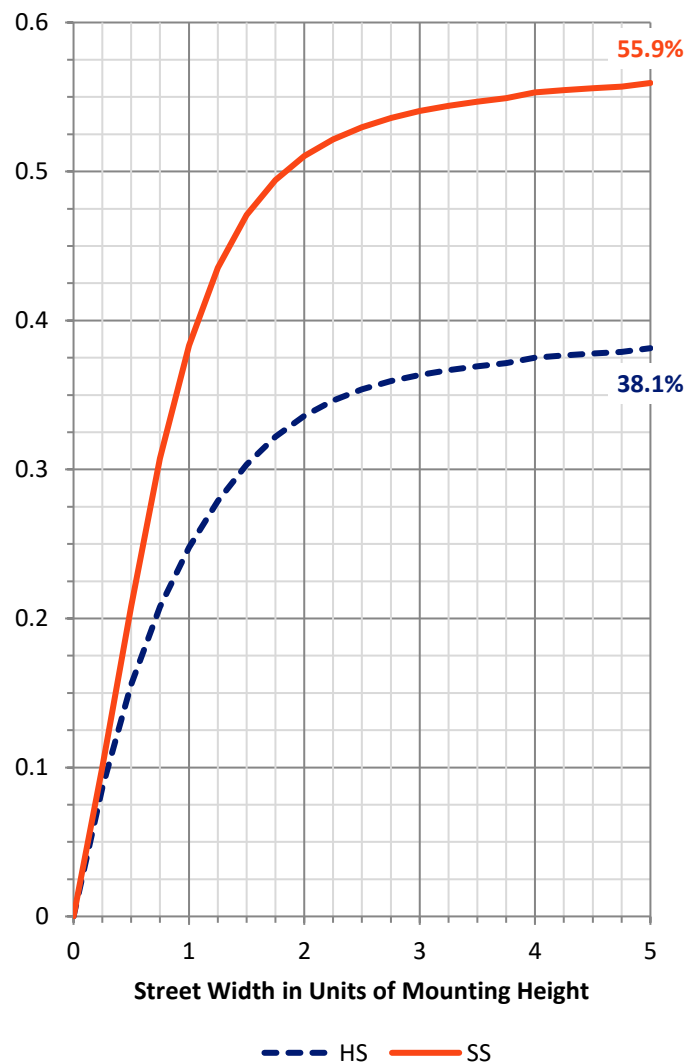
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1637.6	66.7	1704.3
	% Fixture	39.1	1.6	40.7
Street Side	Lumens	2376.4	109.2	2485.6
	% Fixture	56.7	2.6	59.3
Total	Lumens	4014.0	176.0	4189.9
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	1.6
10°-20°	221.3	5.3
20°-30°	379.8	9.1
30°-40°	545.7	13.0
40°-50°	664.0	15.8
50°-60°	779.2	18.6
60°-70°	773.2	18.5
70°-80°	429.9	10.3
80°-90°	154.7	3.7
90°-100°	56.2	1.3
100°-110°	48.4	1.2
110°-120°	40.1	1.0
120°-130°	16.3	0.4
130°-140°	8.2	0.2
140°-150°	4.3	0.1
150°-160°	2.0	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-90°	4014.0	95.8
0°-180°	4189.9	100.0

Coefficient of Utilization



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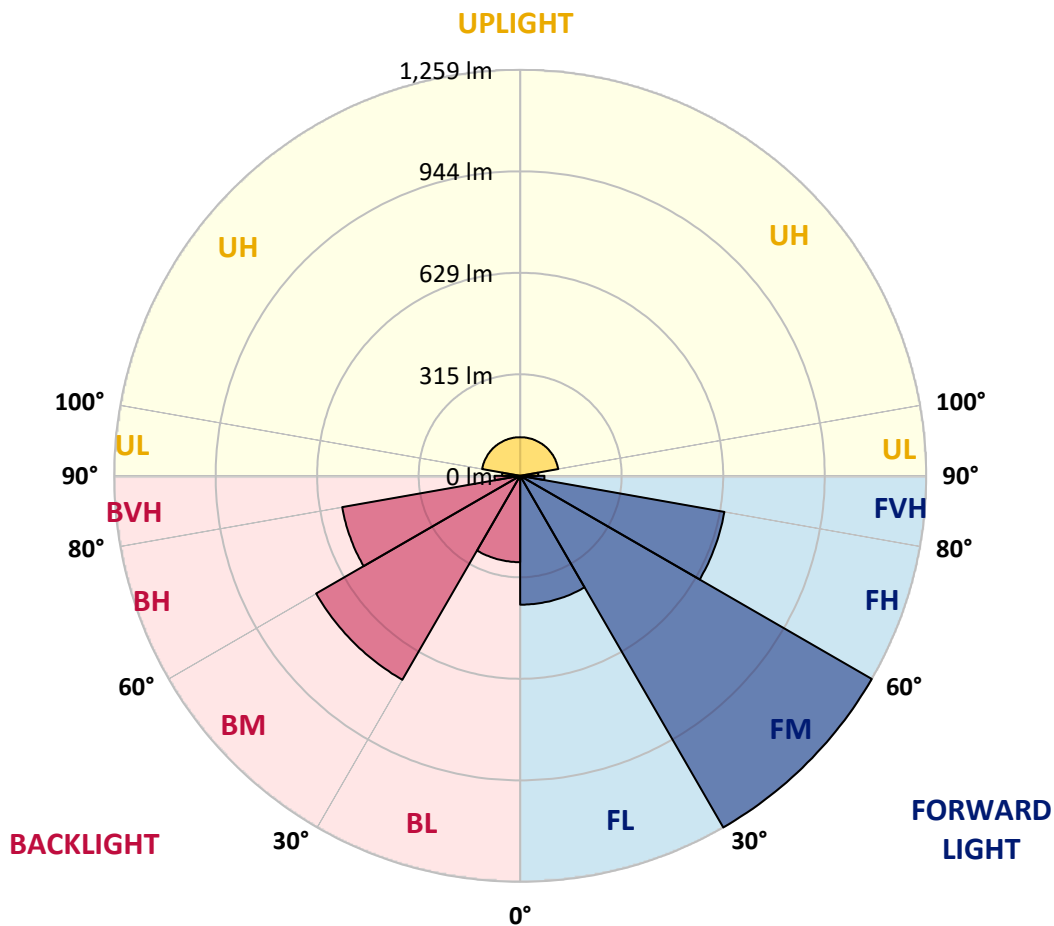
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	399.4	9.5			
FM	(30°-60°)	1258.7	30.0			
FH	(60°-80°)	642.9	15.3			G0/660
FVH	(80°-90°)	75.3	1.8			G1/100
BL	(0°-30°)	267.7	6.4	B1/500		
BM	(30°-60°)	730.3	17.4	B1/1000		
BH	(60°-80°)	560.2	13.4	B2/1000		G2/1000
BVH	(80°-90°)	79.4	1.9			G1/100
UL	(90°-100°)	56.2	1.3		U3/500	
UH	(100°-180°)	119.8	2.9		U3/500	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3
2.5°	668.5	669.7	669.7	674.5	670.9	670.9	663.7	658.9	658.9	652.9	643.3
5°	726.3	728.7	727.5	731.1	722.6	717.8	702.2	690.2	681.8	669.7	655.3
7.5°	798.4	800.8	799.6	799.6	787.6	776.8	751.5	729.9	713.0	693.8	670.9
10°	876.6	883.8	882.6	880.2	859.7	839.3	805.6	773.1	746.7	719.0	689.0
12.5°	963.1	963.1	963.1	945.1	910.2	877.8	840.5	808.0	782.8	750.3	711.8
15°	958.3	963.1	969.1	996.8	976.4	940.3	886.2	835.7	793.6	752.7	733.5
17.5°	1041.3	1052.1	1049.7	1048.5	1050.9	1034.1	966.7	899.4	845.3	788.8	704.6
20°	1130.3	1133.9	1133.9	1136.3	1107.4	1105.0	1049.7	969.1	903.0	794.8	714.2
22.5°	1171.1	1179.6	1173.5	1172.3	1123.0	1079.8	1062.9	977.6	876.6	752.7	662.5
25°	1289.0	1296.2	1281.8	1221.6	1144.7	1073.7	1031.7	1040.1	844.1	751.5	689.0
27.5°	1298.6	1302.2	1308.2	1321.4	1258.9	1178.4	1076.2	893.4	866.9	821.2	755.1
30°	1356.3	1361.1	1346.7	1386.4	1391.2	1254.1	1055.7	893.4	900.6	852.5	822.4
32.5°	1423.6	1433.3	1435.7	1445.3	1356.3	1277.0	1038.9	951.1	933.1	906.6	829.7
35°	1530.7	1537.9	1533.1	1418.8	1335.9	1222.8	1130.3	1037.7	971.5	971.5	808.0
37.5°	1488.6	1482.6	1493.4	1439.3	1370.7	1180.8	1163.9	1147.1	1062.9	893.4	885.0
40°	1375.6	1379.2	1376.8	1453.7	1313.0	1238.5	1207.2	1156.7	1046.1	959.5	946.3
42.5°	1343.1	1347.9	1361.1	1297.4	1266.1	1309.4	1212.0	1075.0	1050.9	1040.1	945.1
45°	1327.5	1299.8	1274.6	1188.0	1165.1	1166.3	1161.5	1159.1	1115.8	1028.1	866.9
47.5°	1076.2	1078.6	1093.0	1153.1	1136.3	1171.1	1148.3	1115.8	1072.5	879.0	826.1
50°	1004.0	1005.2	1024.4	1054.5	1105.0	1195.2	1182.0	1107.4	1035.3	982.4	923.4
52.5°	971.5	969.1	977.6	996.8	1046.1	1142.3	1137.5	1108.6	1085.8	1058.1	980.0
55°	907.8	898.2	915.0	943.9	987.2	1083.4	1131.5	1130.3	1126.7	1095.4	1025.7
57.5°	799.6	797.2	810.4	850.1	915.0	1001.6	1084.6	1112.2	1123.0	1124.2	1070.1
60°	696.2	690.2	707.0	755.1	810.4	934.3	1023.2	1071.3	1111.0	1127.9	1112.2
62.5°	615.6	609.6	622.8	661.3	723.8	833.3	963.1	1052.1	1117.0	1132.7	1117.0
65°	550.7	550.7	553.1	589.2	640.9	713.0	886.2	987.2	1078.6	1109.8	1101.4
67.5°	488.2	495.4	494.2	530.3	566.3	644.5	749.1	868.1	1010.0	1055.7	1052.1
70°	395.6	394.4	406.4	458.1	512.2	568.7	657.7	774.3	877.8	912.6	922.2
72.5°	339.1	335.5	343.9	372.7	424.4	490.6	541.1	604.8	662.5	732.3	735.9
75°	280.2	277.8	285.0	307.8	337.9	375.2	399.2	447.3	497.8	547.1	543.5
77.5°	220.0	217.6	222.4	239.3	260.9	291.0	318.6	354.7	365.5	384.8	394.4
80°	169.5	167.1	173.1	198.4	211.6	224.8	230.9	245.3	250.1	274.1	299.4
82.5°	138.3	135.9	143.1	146.7	147.9	158.7	169.5	178.0	187.6	202.0	203.2
85°	97.4	97.4	101.0	104.6	108.2	116.6	126.3	133.5	141.9	150.3	156.3
87.5°	78.2	78.2	79.4	80.6	86.6	92.6	99.8	108.2	115.4	119.0	121.4
90°	67.3	68.5	68.5	69.7	70.9	73.3	77.0	83.0	86.6	89.0	90.2
92.5°	62.5	62.5	62.5	62.5	61.3	60.1	60.1	61.3	63.7	64.9	63.7
95°	60.1	60.1	60.1	57.7	58.9	57.7	54.1	51.7	49.3	49.3	48.1
97.5°	54.1	54.1	54.1	51.7	50.5	50.5	49.3	46.9	44.5	43.3	40.9
100°	44.5	44.5	44.5	44.5	46.9	48.1	46.9	46.9	45.7	43.3	42.1
102.5°	40.9	40.9	40.9	42.1	45.7	50.5	52.9	52.9	50.5	49.3	48.1
105°	42.1	42.1	42.1	49.3	58.9	58.9	52.9	52.9	55.3	60.1	60.1
107.5°	40.9	40.9	42.1	51.7	70.9	84.2	84.2	73.3	74.5	69.7	66.1
110°	40.9	40.9	40.9	44.5	49.3	57.7	77.0	92.6	107.0	107.0	103.4

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CANDELA DISTRIBUTION (continued):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	38.5	38.5	39.7	40.9	43.3	48.1	54.1	67.3	78.2	87.8	90.2
115°	38.5	38.5	38.5	39.7	42.1	45.7	50.5	57.7	63.7	68.5	64.9
117.5°	37.3	37.3	38.5	37.3	38.5	42.1	45.7	48.1	49.3	46.9	40.9
120°	31.3	31.3	31.3	32.5	33.7	34.9	36.1	37.3	34.9	33.7	31.3
122.5°	27.7	27.7	27.7	27.7	27.7	27.7	30.1	30.1	31.3	30.1	30.1
125°	21.6	21.6	22.8	21.6	22.8	22.8	24.0	25.3	25.3	25.3	25.3
127.5°	19.2	19.2	19.2	19.2	19.2	19.2	20.4	21.6	21.6	20.4	20.4
130°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	18.0	18.0	18.0	16.8
132.5°	18.0	16.8	18.0	16.8	16.8	16.8	15.6	16.8	16.8	16.8	15.6
135°	16.8	16.8	15.6	15.6	15.6	15.6	14.4	14.4	15.6	14.4	13.2
137.5°	13.2	14.4	14.4	13.2	13.2	13.2	13.2	13.2	12.0	12.0	12.0
140°	12.0	12.0	12.0	12.0	12.0	10.8	12.0	10.8	10.8	10.8	10.8
142.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.6	9.6	9.6
145°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.4
147.5°	9.6	9.6	9.6	9.6	9.6	9.6	8.4	8.4	8.4	8.4	8.4
150°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.2
152.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
155°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
157.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
160°	2.4	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6
162.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
165°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
167.5°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3
2.5°	640.9	639.7	642.1	642.1	638.5	634.9	632.5	630.1	630.1	631.3	631.3
5°	651.7	649.3	646.9	648.1	644.5	640.9	639.7	637.3	637.3	638.5	639.7
7.5°	664.9	661.3	660.1	658.9	656.5	654.1	652.9	651.7	651.7	652.9	654.1
10°	680.6	675.8	672.1	673.3	667.3	662.5	660.1	657.7	662.5	666.1	669.7
12.5°	701.0	696.2	684.2	678.2	658.9	650.5	645.7	645.7	649.3	650.5	652.9
15°	720.2	704.6	674.5	677.0	672.1	666.1	661.3	651.7	634.9	616.8	620.4
17.5°	680.6	685.4	697.4	697.4	693.8	686.6	673.3	646.9	626.5	620.4	622.8
20°	695.0	686.6	697.4	717.8	710.6	701.0	663.7	631.3	610.8	606.0	606.0
22.5°	642.1	631.3	645.7	685.4	691.4	646.9	590.4	579.6	585.6	584.4	584.4
25°	663.7	649.3	633.7	642.1	679.4	597.6	573.5	556.7	556.7	576.0	585.6
27.5°	723.8	704.6	675.8	624.0	568.7	589.2	583.2	566.3	555.5	531.5	515.8
30°	786.4	761.1	669.7	627.7	544.7	559.1	566.3	569.9	527.9	501.4	500.2
32.5°	806.8	756.3	707.0	616.8	562.7	536.3	550.7	513.4	507.4	494.2	493.0
35°	765.9	741.9	741.9	638.5	584.4	541.1	499.0	488.2	478.6	497.8	497.8
37.5°	845.3	803.2	673.3	668.5	609.6	531.5	487.0	493.0	473.7	465.3	470.1
40°	924.7	842.9	714.2	654.1	596.4	545.9	505.0	477.4	468.9	424.4	419.6
42.5°	859.7	844.1	763.5	633.7	583.2	571.1	537.5	493.0	435.3	429.3	432.9
45°	820.0	782.8	743.1	674.5	616.8	596.4	535.1	485.8	447.3	434.1	431.7
47.5°	798.4	750.3	685.4	668.5	619.2	600.0	600.0	506.2	452.1	419.6	416.0
50°	891.0	851.3	764.7	689.0	652.9	634.9	664.9	541.1	472.5	435.3	428.1
52.5°	943.9	900.6	823.6	743.1	681.8	660.1	698.6	577.2	503.8	472.5	464.1
55°	988.4	948.7	858.5	784.0	717.8	690.2	701.0	612.0	541.1	513.4	514.6
57.5°	1044.9	1002.8	893.4	810.4	741.9	714.2	698.6	642.1	569.9	550.7	549.5
60°	1105.0	1055.7	942.7	832.1	758.7	729.9	722.6	673.3	588.0	562.7	554.3
62.5°	1096.6	1066.5	986.0	871.7	788.8	749.1	719.0	658.9	603.6	569.9	550.7
65°	1076.2	1052.1	972.7	853.7	769.5	721.4	652.9	613.2	589.2	556.7	560.3
67.5°	1036.5	1005.2	915.0	799.6	696.2	615.6	560.3	511.0	514.6	514.6	521.8
70°	883.8	875.4	773.1	693.8	618.0	544.7	478.6	441.3	417.2	388.4	384.8
72.5°	703.4	696.2	610.8	535.1	500.2	466.5	426.9	360.7	321.0	299.4	298.2
75°	520.6	514.6	475.0	425.7	394.4	365.5	333.1	289.8	258.5	247.7	245.3
77.5°	378.8	364.3	351.1	340.3	334.3	306.6	265.7	234.5	218.8	212.8	211.6
80°	288.6	275.4	262.1	250.1	253.7	241.7	220.0	204.4	194.8	190.0	190.0
82.5°	198.4	196.0	193.6	188.8	193.6	181.6	170.7	161.1	173.1	182.8	184.0
85°	156.3	155.1	156.3	147.9	147.9	134.7	131.1	122.6	120.2	120.2	119.0
87.5°	121.4	122.6	125.1	116.6	114.2	105.8	101.0	97.4	93.8	90.2	91.4
90°	90.2	91.4	91.4	85.4	83.0	77.0	73.3	70.9	67.3	63.7	63.7
92.5°	63.7	63.7	63.7	60.1	58.9	55.3	52.9	51.7	51.7	51.7	51.7
95°	48.1	48.1	46.9	44.5	43.3	42.1	43.3	42.1	40.9	36.1	37.3
97.5°	39.7	38.5	38.5	37.3	36.1	34.9	32.5	28.9	25.3	20.4	21.6
100°	40.9	39.7	38.5	38.5	36.1	28.9	24.0	20.4	16.8	13.2	13.2
102.5°	48.1	46.9	43.3	40.9	37.3	30.1	22.8	18.0	14.4	8.4	8.4
105°	57.7	55.3	48.1	44.5	38.5	30.1	24.0	19.2	13.2	6.0	4.8
107.5°	63.7	57.7	52.9	50.5	50.5	44.5	36.1	21.6	10.8	4.8	2.4
110°	101.0	95.0	83.0	75.8	67.3	51.7	30.1	16.8	7.2	3.6	2.4

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CATALOG NUMBER: CRTK-N-30-727-U-T2R-CNR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	89.0	85.4	73.3	58.9	44.5	31.3	18.0	12.0	7.2	2.4	2.4
115°	60.1	55.3	43.3	36.1	27.7	20.4	14.4	10.8	7.2	3.6	1.2
117.5°	37.3	34.9	30.1	25.3	22.8	18.0	13.2	9.6	4.8	1.2	0.0
120°	30.1	28.9	25.3	22.8	18.0	15.6	10.8	8.4	3.6	0.0	0.0
122.5°	27.7	26.5	22.8	19.2	16.8	13.2	9.6	6.0	2.4	1.2	0.0
125°	24.0	24.0	21.6	18.0	15.6	13.2	8.4	4.8	1.2	1.2	1.2
127.5°	19.2	19.2	16.8	15.6	12.0	9.6	7.2	4.8	1.2	1.2	1.2
130°	16.8	15.6	14.4	12.0	9.6	7.2	6.0	3.6	1.2	1.2	1.2
132.5°	15.6	14.4	12.0	10.8	8.4	6.0	4.8	3.6	1.2	1.2	1.2
135°	13.2	12.0	10.8	9.6	7.2	6.0	4.8	2.4	1.2	1.2	1.2
137.5°	10.8	10.8	9.6	8.4	6.0	6.0	4.8	2.4	1.2	1.2	1.2
140°	9.6	9.6	8.4	7.2	6.0	4.8	3.6	2.4	1.2	1.2	1.2
142.5°	8.4	8.4	7.2	6.0	4.8	3.6	2.4	1.2	1.2	1.2	1.2
145°	8.4	8.4	7.2	6.0	4.8	3.6	2.4	1.2	1.2	1.2	1.2
147.5°	7.2	7.2	7.2	6.0	3.6	3.6	2.4	1.2	1.2	1.2	1.2
150°	7.2	7.2	6.0	4.8	3.6	2.4	2.4	1.2	1.2	1.2	1.2
152.5°	6.0	6.0	6.0	4.8	3.6	2.4	1.2	1.2	1.2	1.2	1.2
155°	6.0	4.8	4.8	3.6	2.4	2.4	1.2	1.2	1.2	1.2	1.2
157.5°	4.8	4.8	3.6	3.6	2.4	2.4	1.2	1.2	1.2	1.2	1.2
160°	3.6	3.6	3.6	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
165°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	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)