

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: P853452

Luminaire Tested: **CRTK-N-50-730-U-T2R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853452
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-50-730-U-T2R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

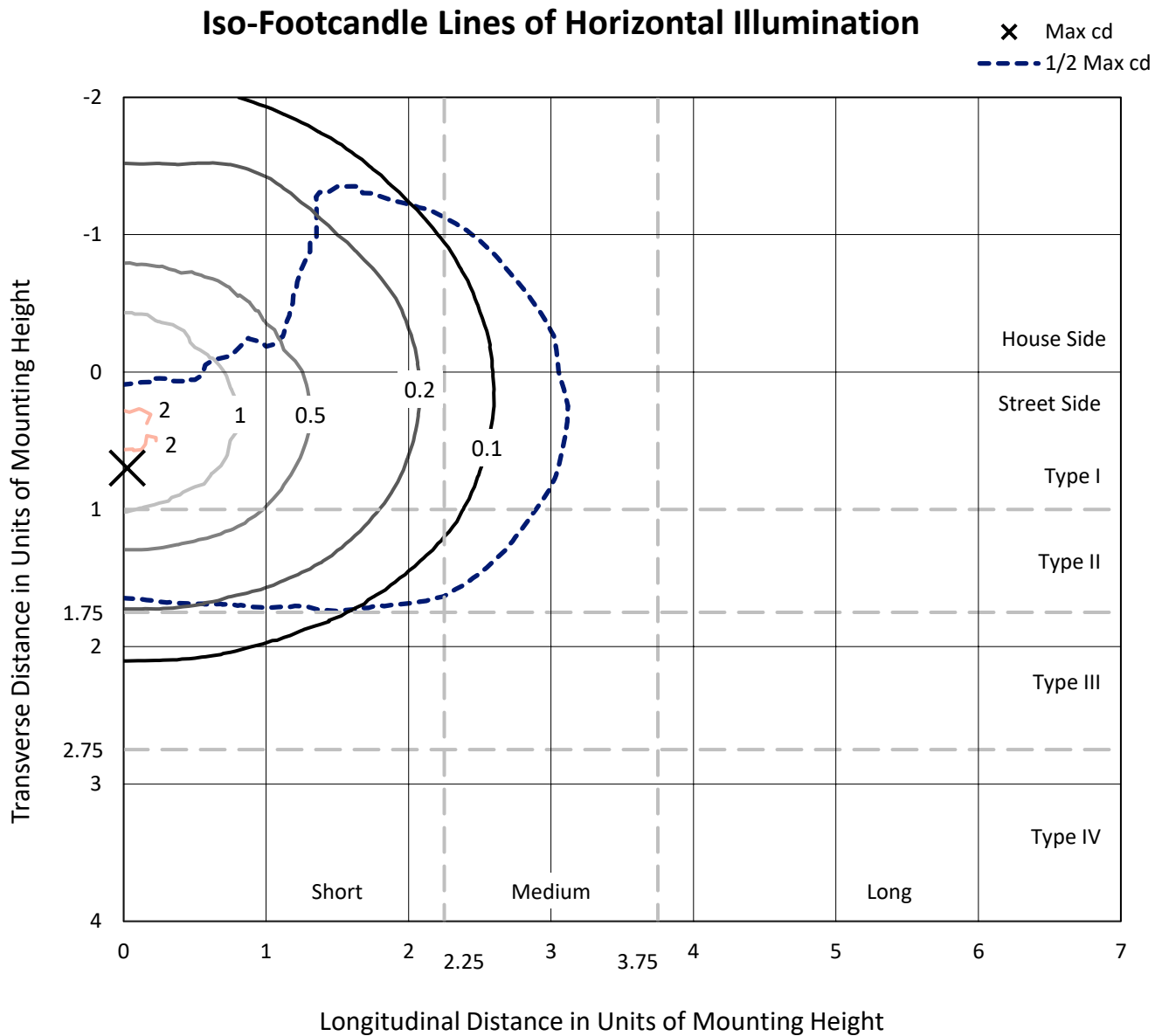
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5876 lumens
Efficiency: N/A
Efficacy: 123.2 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): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



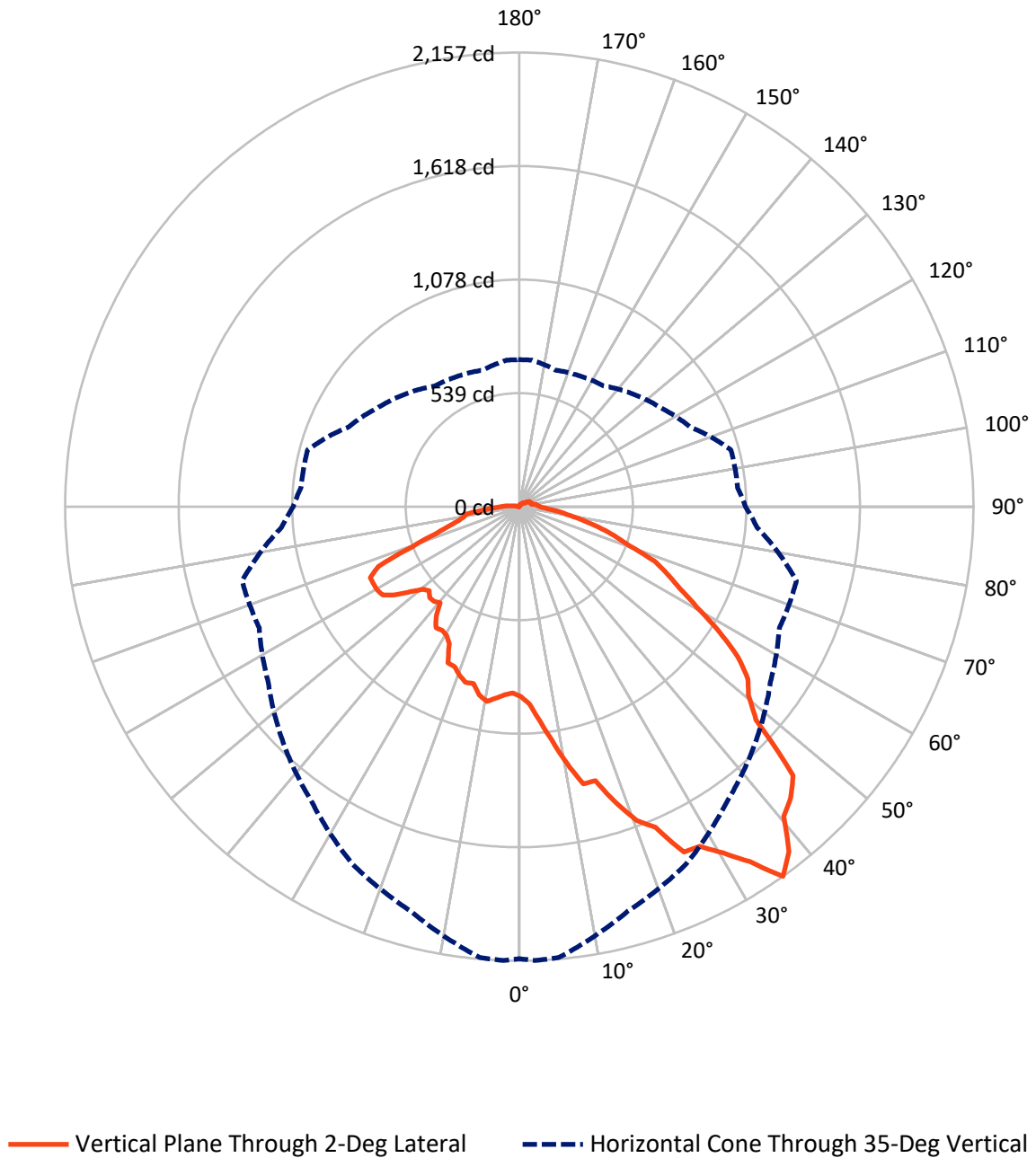
REPORT NUMBER: P853452
CATALOG NUMBER: CRTK-N-50-730-U-T2R-CNR



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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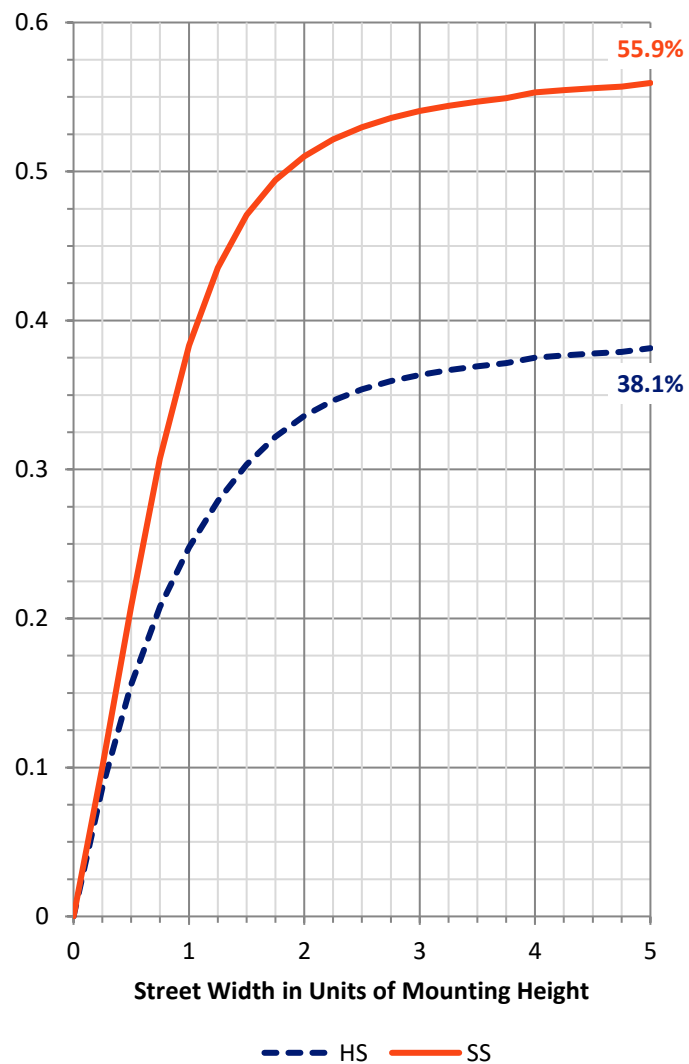
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2296.6	93.6	2390.2
	% Fixture	39.1	1.6	40.7
Street Side	Lumens	3332.6	153.2	3485.8
	% Fixture	56.7	2.6	59.3
Total	Lumens	5629.2	246.8	5876.0
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.6
10°-20°	310.4	5.3
20°-30°	532.6	9.1
30°-40°	765.3	13.0
40°-50°	931.2	15.8
50°-60°	1092.7	18.6
60°-70°	1084.4	18.5
70°-80°	602.9	10.3
80°-90°	217.0	3.7
90°-100°	78.8	1.3
100°-110°	67.8	1.2
110°-120°	56.3	1.0
120°-130°	22.9	0.4
130°-140°	11.5	0.2
140°-150°	6.0	0.1
150°-160°	2.9	0.0
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-90°	5629.2	95.8
0°-180°	5876.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853452

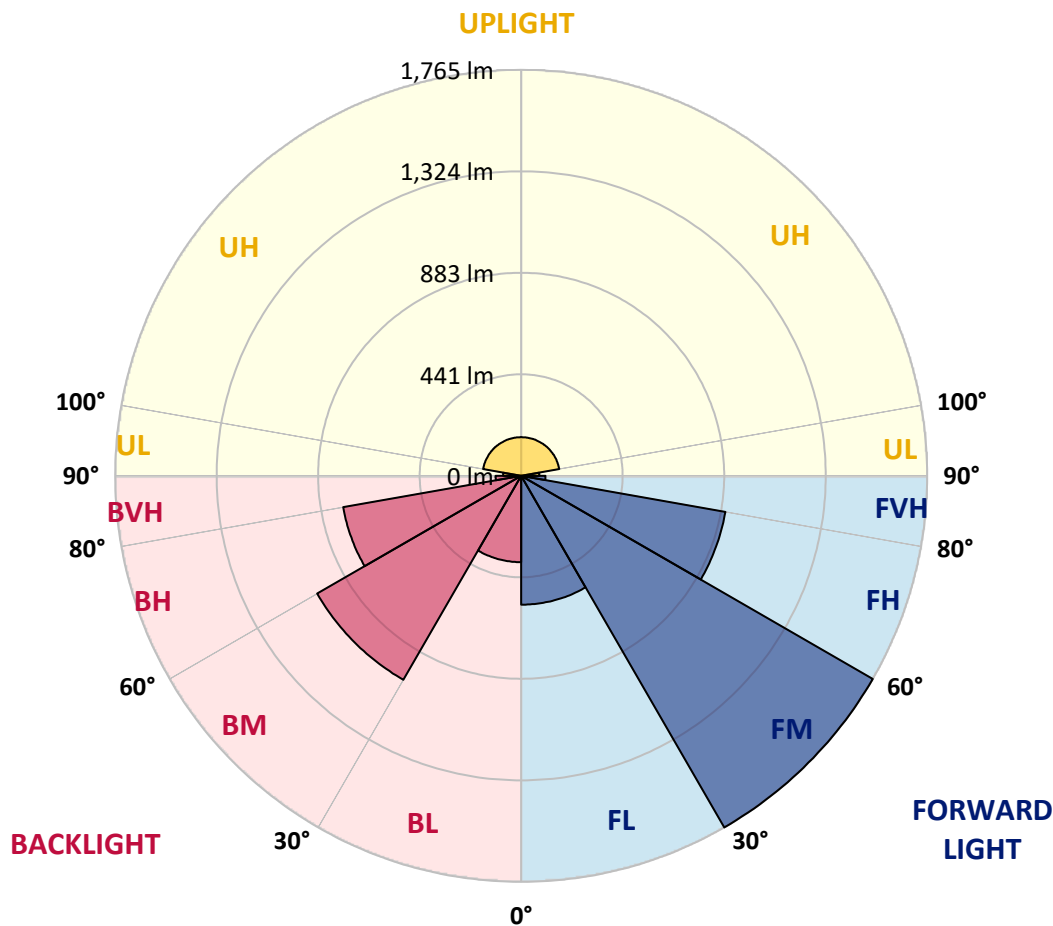
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	560.2	9.5			
FM	(30°-60°)	1765.1	30.0			
FH	(60°-80°)	901.6	15.3			G1/1800
FVH	(80°-90°)	105.7	1.8			G2/225
BL	(0°-30°)	375.5	6.4	B1/500		
BM	(30°-60°)	1024.1	17.4	B2/2500		
BH	(60°-80°)	785.7	13.4	B2/1000		G2/1000
BVH	(80°-90°)	111.3	1.9			G2/225
UL	(90°-100°)	78.8	1.3		U3/500	
UH	(100°-180°)	168.0	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°	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1
2.5°	937.5	939.2	939.2	946.0	940.9	940.9	930.8	924.1	924.1	915.6	902.1
5°	1018.5	1021.9	1020.2	1025.2	1013.4	1006.7	984.8	967.9	956.1	939.2	919.0
7.5°	1119.7	1123.0	1121.3	1121.3	1104.5	1089.3	1053.9	1023.5	999.9	973.0	940.9
10°	1229.3	1239.4	1237.7	1234.3	1205.7	1177.0	1129.8	1084.3	1047.2	1008.4	966.2
12.5°	1350.7	1350.7	1350.7	1325.4	1276.5	1231.0	1178.7	1133.2	1097.7	1052.2	998.3
15°	1343.9	1350.7	1359.1	1397.9	1369.2	1318.6	1242.8	1171.9	1112.9	1055.6	1028.6
17.5°	1460.3	1475.5	1472.1	1470.4	1473.8	1450.2	1355.7	1261.3	1185.4	1106.2	988.1
20°	1585.1	1590.1	1590.1	1593.5	1553.0	1549.7	1472.1	1359.1	1266.4	1114.6	1001.6
22.5°	1642.4	1654.2	1645.8	1644.1	1574.9	1514.2	1490.6	1370.9	1229.3	1055.6	929.1
25°	1807.6	1817.8	1797.5	1713.2	1605.3	1505.8	1446.8	1458.6	1183.7	1053.9	966.2
27.5°	1821.1	1826.2	1834.6	1853.2	1765.5	1652.5	1509.2	1252.9	1215.8	1151.7	1059.0
30°	1902.1	1908.8	1888.6	1944.2	1951.0	1758.7	1480.5	1252.9	1263.0	1195.5	1153.4
32.5°	1996.5	2010.0	2013.4	2026.9	1902.1	1790.8	1456.9	1333.8	1308.5	1271.4	1163.5
35°	2146.6	2156.7	2150.0	1989.8	1873.4	1714.9	1585.1	1455.2	1362.5	1362.5	1133.2
37.5°	2087.6	2079.1	2094.3	2018.4	1922.3	1655.9	1632.3	1608.7	1490.6	1252.9	1241.1
40°	1929.1	1934.1	1930.7	2038.7	1841.4	1736.8	1693.0	1622.2	1467.0	1345.6	1327.1
42.5°	1883.5	1890.3	1908.8	1819.5	1775.6	1836.3	1699.7	1507.5	1473.8	1458.6	1325.4
45°	1861.6	1822.8	1787.4	1666.0	1634.0	1635.7	1628.9	1625.5	1564.8	1441.7	1215.8
47.5°	1509.2	1512.6	1532.8	1617.1	1593.5	1642.4	1610.4	1564.8	1504.1	1232.6	1158.4
50°	1408.0	1409.7	1436.7	1478.8	1549.7	1676.1	1657.6	1553.0	1451.9	1377.7	1295.0
52.5°	1362.5	1359.1	1370.9	1397.9	1467.0	1601.9	1595.2	1554.7	1522.7	1483.9	1374.3
55°	1273.1	1259.6	1283.2	1323.7	1384.4	1519.3	1586.8	1585.1	1580.0	1536.2	1438.4
57.5°	1121.3	1118.0	1136.5	1192.2	1283.2	1404.6	1521.0	1559.8	1574.9	1576.6	1500.8
60°	976.3	967.9	991.5	1059.0	1136.5	1310.2	1435.0	1502.4	1558.1	1581.7	1559.8
62.5°	863.4	854.9	873.5	927.4	1015.1	1168.6	1350.7	1475.5	1566.5	1588.4	1566.5
65°	772.3	772.3	775.7	826.3	898.8	999.9	1242.8	1384.4	1512.6	1556.4	1544.6
67.5°	684.6	694.7	693.0	743.6	794.2	903.8	1050.5	1217.5	1416.4	1480.5	1475.5
70°	554.8	553.1	569.9	642.5	718.3	797.6	922.4	1085.9	1231.0	1279.9	1293.3
72.5°	475.5	470.5	482.3	522.7	595.2	688.0	758.8	848.2	929.1	1026.9	1032.0
75°	392.9	389.5	399.6	431.7	473.8	526.1	559.8	627.3	698.1	767.2	762.2
77.5°	308.6	305.2	312.0	335.6	365.9	408.1	446.9	497.4	512.6	539.6	553.1
80°	237.8	234.4	242.8	278.2	296.8	315.3	323.8	344.0	350.7	384.5	419.9
82.5°	193.9	190.5	200.7	205.7	207.4	222.6	237.8	249.6	263.1	283.3	285.0
85°	136.6	136.6	141.6	146.7	151.8	163.6	177.1	187.2	199.0	210.8	219.2
87.5°	109.6	109.6	111.3	113.0	121.4	129.8	140.0	151.8	161.9	166.9	170.3
90°	94.4	96.1	96.1	97.8	99.5	102.9	107.9	116.4	121.4	124.8	126.5
92.5°	87.7	87.7	87.7	87.7	86.0	84.3	84.3	86.0	89.4	91.1	89.4
95°	84.3	84.3	84.3	80.9	82.6	80.9	75.9	72.5	69.1	69.1	67.4
97.5°	75.9	75.9	75.9	72.5	70.8	70.8	69.1	65.8	62.4	60.7	57.3
100°	62.4	62.4	62.4	62.4	65.8	67.4	65.8	65.8	64.1	60.7	59.0
102.5°	57.3	57.3	57.3	59.0	64.1	70.8	74.2	74.2	70.8	69.1	67.4
105°	59.0	59.0	59.0	69.1	82.6	82.6	74.2	74.2	77.6	84.3	84.3
107.5°	57.3	57.3	59.0	72.5	99.5	118.0	118.0	102.9	104.5	97.8	92.7
110°	57.3	57.3	57.3	62.4	69.1	80.9	107.9	129.8	150.1	150.1	145.0

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CANDELA DISTRIBUTION (continued):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	54.0	54.0	55.6	57.3	60.7	67.4	75.9	94.4	109.6	123.1	126.5
115°	54.0	54.0	54.0	55.6	59.0	64.1	70.8	80.9	89.4	96.1	91.1
117.5°	52.3	52.3	54.0	52.3	54.0	59.0	64.1	67.4	69.1	65.8	57.3
120°	43.8	43.8	43.8	45.5	47.2	48.9	50.6	52.3	48.9	47.2	43.8
122.5°	38.8	38.8	38.8	38.8	38.8	38.8	42.2	42.2	43.8	42.2	42.2
125°	30.4	30.4	32.0	30.4	32.0	32.0	33.7	35.4	35.4	35.4	35.4
127.5°	27.0	27.0	27.0	27.0	27.0	27.0	28.7	30.4	30.4	28.7	28.7
130°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	25.3	25.3	25.3	23.6
132.5°	25.3	23.6	25.3	23.6	23.6	23.6	21.9	23.6	23.6	23.6	21.9
135°	23.6	23.6	21.9	21.9	21.9	21.9	20.2	20.2	21.9	20.2	18.5
137.5°	18.5	20.2	20.2	18.5	18.5	18.5	18.5	18.5	16.9	16.9	16.9
140°	16.9	16.9	16.9	16.9	16.9	15.2	16.9	15.2	15.2	15.2	15.2
142.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	13.5	13.5	13.5
145°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.8
147.5°	13.5	13.5	13.5	13.5	13.5	13.5	11.8	11.8	11.8	11.8	11.8
150°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	10.1
152.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
155°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
157.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
160°	3.4	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
162.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
165°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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°	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1
2.5°	898.8	897.1	900.5	900.5	895.4	890.3	887.0	883.6	883.6	885.3	885.3
5°	913.9	910.6	907.2	908.9	903.8	898.8	897.1	893.7	893.7	895.4	897.1
7.5°	932.5	927.4	925.7	924.1	920.7	917.3	915.6	913.9	913.9	915.6	917.3
10°	954.4	947.7	942.6	944.3	935.9	929.1	925.7	922.4	929.1	934.2	939.2
12.5°	983.1	976.3	959.5	951.0	924.1	912.3	905.5	905.5	910.6	912.3	915.6
15°	1010.1	988.1	946.0	949.4	942.6	934.2	927.4	913.9	890.3	865.0	870.1
17.5°	954.4	961.2	978.0	978.0	973.0	962.8	944.3	907.2	878.5	870.1	873.5
20°	974.6	962.8	978.0	1006.7	996.6	983.1	930.8	885.3	856.6	849.9	849.9
22.5°	900.5	885.3	905.5	961.2	969.6	907.2	827.9	812.8	821.2	819.5	819.5
25°	930.8	910.6	888.6	900.5	952.7	838.1	804.3	780.7	780.7	807.7	821.2
27.5°	1015.1	988.1	947.7	875.2	797.6	826.3	817.8	794.2	779.0	745.3	723.4
30°	1102.8	1067.4	939.2	880.2	763.9	784.1	794.2	799.3	740.3	703.2	701.5
32.5°	1131.5	1060.6	991.5	865.0	789.2	752.1	772.3	720.0	711.6	693.0	691.4
35°	1074.1	1040.4	1040.4	895.4	819.5	758.8	699.8	684.6	671.1	698.1	698.1
37.5°	1185.4	1126.4	944.3	937.5	854.9	745.3	682.9	691.4	664.4	652.6	659.3
40°	1296.7	1182.1	1001.6	917.3	836.4	765.6	708.2	669.4	657.6	595.2	588.5
42.5°	1205.7	1183.7	1070.8	888.6	817.8	801.0	753.7	691.4	610.4	602.0	607.0
45°	1150.0	1097.7	1042.1	946.0	865.0	836.4	750.4	681.2	627.3	608.7	605.4
47.5°	1119.7	1052.2	961.2	937.5	868.4	841.4	841.4	709.9	634.0	588.5	583.4
50°	1249.5	1193.9	1072.4	966.2	915.6	890.3	932.5	758.8	662.7	610.4	600.3
52.5°	1323.7	1263.0	1155.1	1042.1	956.1	925.7	979.7	809.4	706.5	662.7	650.9
55°	1386.1	1330.4	1204.0	1099.4	1006.7	967.9	983.1	858.3	758.8	720.0	721.7
57.5°	1465.3	1406.3	1252.9	1136.5	1040.4	1001.6	979.7	900.5	799.3	772.3	770.6
60°	1549.7	1480.5	1322.0	1166.9	1064.0	1023.5	1013.4	944.3	824.6	789.2	777.4
62.5°	1537.8	1495.7	1382.7	1222.5	1106.2	1050.5	1008.4	924.1	846.5	799.3	772.3
65°	1509.2	1475.5	1364.2	1197.2	1079.2	1011.7	915.6	860.0	826.3	780.7	785.8
67.5°	1453.5	1409.7	1283.2	1121.3	976.3	863.4	785.8	716.7	721.7	721.7	731.8
70°	1239.4	1227.6	1084.3	973.0	866.7	763.9	671.1	618.8	585.1	544.7	539.6
72.5°	986.4	976.3	856.6	750.4	701.5	654.3	598.6	505.9	450.2	419.9	418.2
75°	730.1	721.7	666.1	596.9	553.1	512.6	467.1	406.4	362.5	347.4	344.0
77.5°	531.2	510.9	492.4	477.2	468.8	430.0	372.7	328.8	306.9	298.5	296.8
80°	404.7	386.1	367.6	350.7	355.8	338.9	308.6	286.7	273.2	266.4	266.4
82.5°	278.2	274.9	271.5	264.7	271.5	254.6	239.4	226.0	242.8	256.3	258.0
85°	219.2	217.5	219.2	207.4	207.4	188.9	183.8	172.0	168.6	168.6	166.9
87.5°	170.3	172.0	175.4	163.6	160.2	148.4	141.6	136.6	131.5	126.5	128.2
90°	126.5	128.2	128.2	119.7	116.4	107.9	102.9	99.5	94.4	89.4	89.4
92.5°	89.4	89.4	89.4	84.3	82.6	77.6	74.2	72.5	72.5	72.5	72.5
95°	67.4	67.4	65.8	62.4	60.7	59.0	60.7	59.0	57.3	50.6	52.3
97.5°	55.6	54.0	54.0	52.3	50.6	48.9	45.5	40.5	35.4	28.7	30.4
100°	57.3	55.6	54.0	54.0	50.6	40.5	33.7	28.7	23.6	18.5	18.5
102.5°	67.4	65.8	60.7	57.3	52.3	42.2	32.0	25.3	20.2	11.8	11.8
105°	80.9	77.6	67.4	62.4	54.0	42.2	33.7	27.0	18.5	8.4	6.7
107.5°	89.4	80.9	74.2	70.8	70.8	62.4	50.6	30.4	15.2	6.7	3.4
110°	141.6	133.2	116.4	106.2	94.4	72.5	42.2	23.6	10.1	5.1	3.4

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CATALOG NUMBER: CRTK-N-50-730-U-T2R-CNR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	124.8	119.7	102.9	82.6	62.4	43.8	25.3	16.9	10.1	3.4	3.4
115°	84.3	77.6	60.7	50.6	38.8	28.7	20.2	15.2	10.1	5.1	1.7
117.5°	52.3	48.9	42.2	35.4	32.0	25.3	18.5	13.5	6.7	1.7	0.0
120°	42.2	40.5	35.4	32.0	25.3	21.9	15.2	11.8	5.1	0.0	0.0
122.5°	38.8	37.1	32.0	27.0	23.6	18.5	13.5	8.4	3.4	1.7	0.0
125°	33.7	33.7	30.4	25.3	21.9	18.5	11.8	6.7	1.7	1.7	1.7
127.5°	27.0	27.0	23.6	21.9	16.9	13.5	10.1	6.7	1.7	1.7	1.7
130°	23.6	21.9	20.2	16.9	13.5	10.1	8.4	5.1	1.7	1.7	1.7
132.5°	21.9	20.2	16.9	15.2	11.8	8.4	6.7	5.1	1.7	1.7	1.7
135°	18.5	16.9	15.2	13.5	10.1	8.4	6.7	3.4	1.7	1.7	1.7
137.5°	15.2	15.2	13.5	11.8	8.4	8.4	6.7	3.4	1.7	1.7	1.7
140°	13.5	13.5	11.8	10.1	8.4	6.7	5.1	3.4	1.7	1.7	1.7
142.5°	11.8	11.8	10.1	8.4	6.7	5.1	3.4	1.7	1.7	1.7	1.7
145°	11.8	11.8	10.1	8.4	6.7	5.1	3.4	1.7	1.7	1.7	1.7
147.5°	10.1	10.1	10.1	8.4	5.1	5.1	3.4	1.7	1.7	1.7	1.7
150°	10.1	10.1	8.4	6.7	5.1	3.4	3.4	1.7	1.7	1.7	1.7
152.5°	8.4	8.4	8.4	6.7	5.1	3.4	1.7	1.7	1.7	1.7	1.7
155°	8.4	6.7	6.7	5.1	3.4	3.4	1.7	1.7	1.7	1.7	1.7
157.5°	6.7	6.7	5.1	5.1	3.4	3.4	1.7	1.7	1.7	1.7	1.7
160°	5.1	5.1	5.1	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
162.5°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
165°	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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)