

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: P853473

Luminaire Tested: **CRTK-N-50-750-U-T3-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-750-U-T3-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

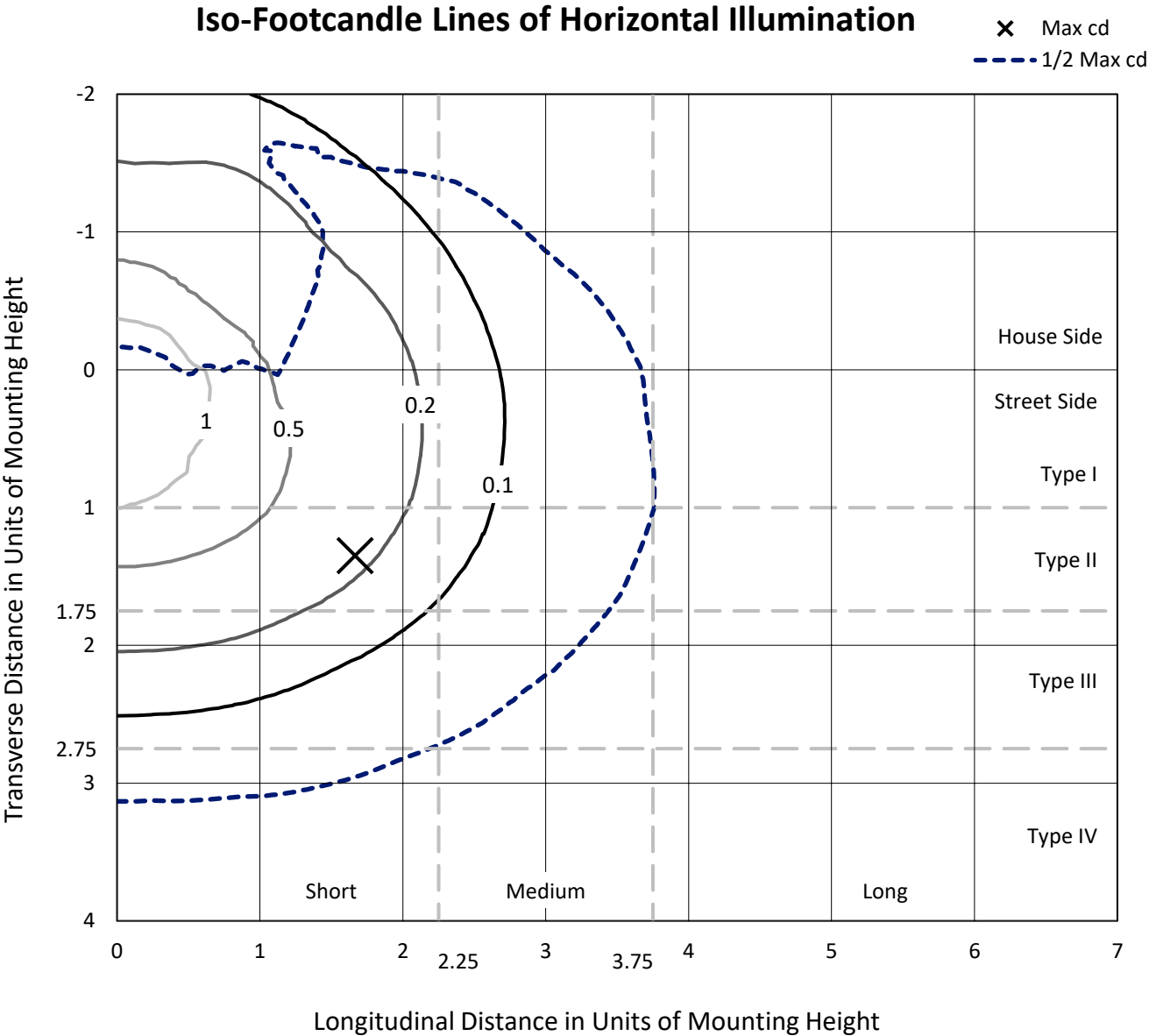
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6147 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type IV - 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

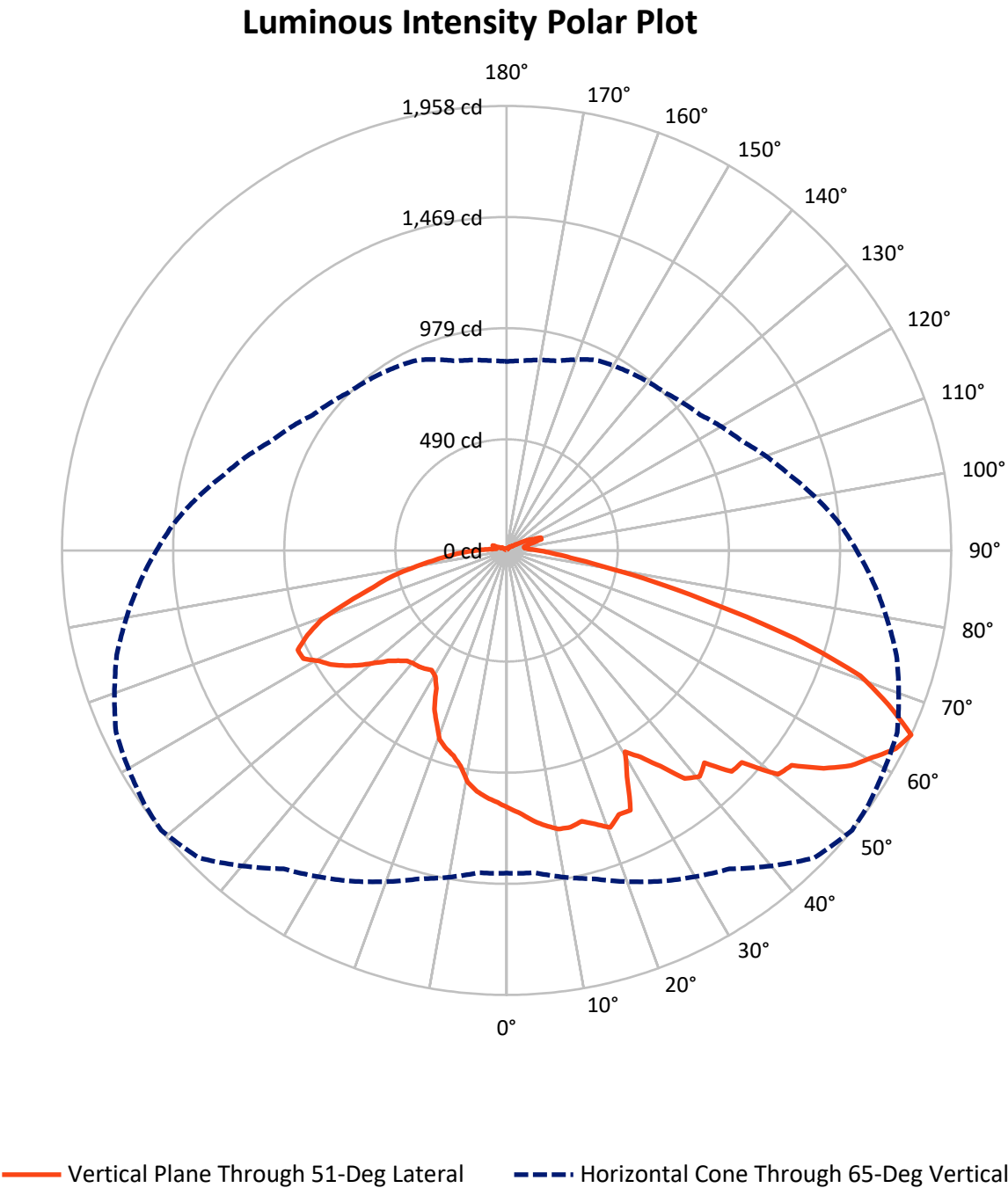


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Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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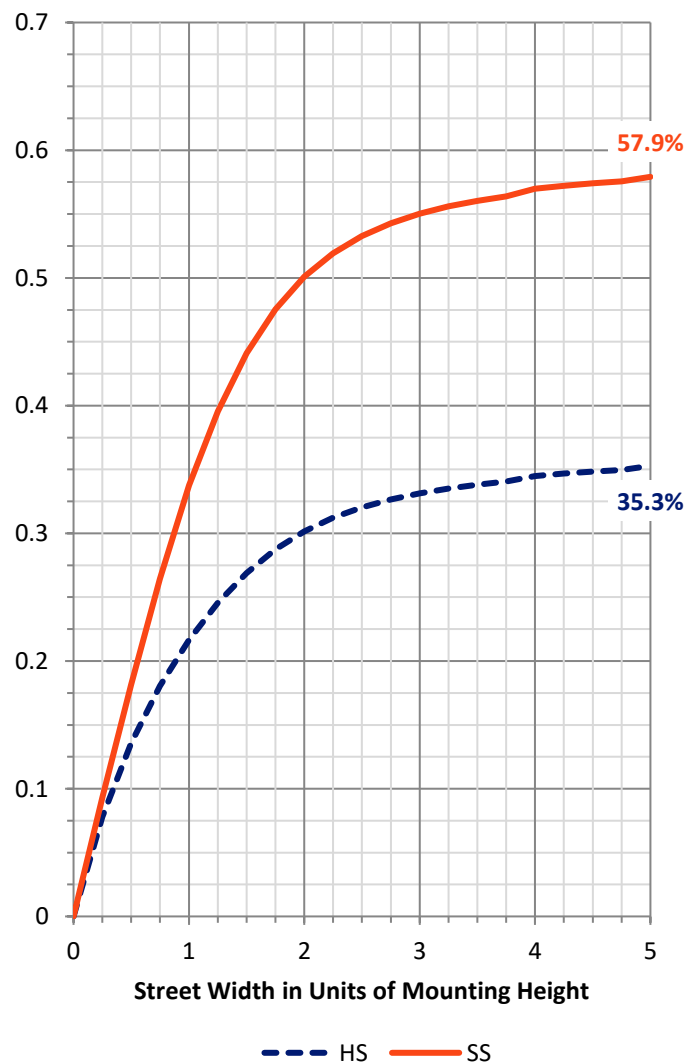
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2244.0	96.3	2340.3
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	3617.0	189.7	3806.8
	% Fixture	58.8	3.1	61.9
Total	Lumens	5861.0	286.0	6147.0
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	1.8
10°-20°	306.6	5.0
20°-30°	449.7	7.3
30°-40°	625.7	10.2
40°-50°	821.5	13.4
50°-60°	1116.3	18.2
60°-70°	1325.7	21.6
70°-80°	825.0	13.4
80°-90°	281.5	4.6
90°-100°	94.3	1.5
100°-110°	81.9	1.3
110°-120°	66.5	1.1
120°-130°	23.5	0.4
130°-140°	11.1	0.2
140°-150°	5.5	0.1
150°-160°	2.7	0.0
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-90°	5861.0	95.3
0°-180°	6147.0	100.0

Coefficient of Utilization



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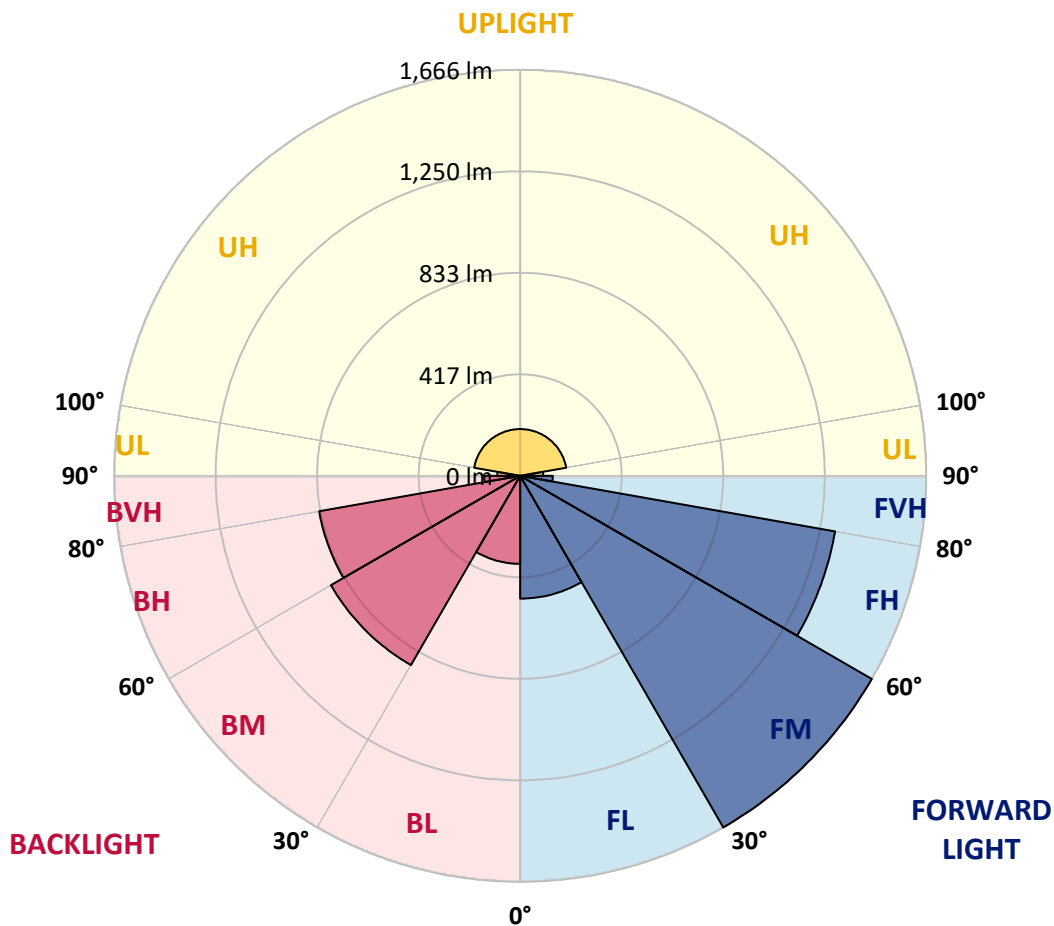
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	504.0	8.2			
FM	(30°-60°)	1666.5	27.1			
FH	(60°-80°)	1312.8	21.4			G1/1800
FVH	(80°-90°)	133.7	2.2			G2/225
BL	(0°-30°)	361.2	5.9	B1/500		
BM	(30°-60°)	897.1	14.6	B1/1000		
BH	(60°-80°)	837.8	13.6	B2/1000		G2/1000
BVH	(80°-90°)	147.8	2.4			G2/225
UL	(90°-100°)	94.3	1.5		U3/500	
UH	(100°-180°)	191.7	3.1		U3/500	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0
2.5°	1163.3	1168.6	1172.1	1175.7	1172.1	1165.1	1159.7	1159.7	1158.0	1147.3	1131.4
5°	1209.3	1212.9	1214.6	1216.4	1212.9	1202.2	1195.2	1191.6	1184.5	1166.8	1143.8
7.5°	1243.0	1246.5	1251.8	1250.0	1246.5	1230.6	1223.5	1218.2	1209.3	1186.3	1154.4
10°	1262.4	1267.7	1274.8	1276.6	1271.3	1257.1	1248.3	1239.4	1227.0	1196.9	1156.2
12.5°	1280.1	1283.7	1280.1	1269.5	1267.7	1255.4	1251.8	1253.6	1244.7	1216.4	1163.3
15°	1200.5	1209.3	1243.0	1246.5	1253.6	1244.7	1237.6	1230.6	1209.3	1188.1	1168.6
17.5°	1172.1	1177.4	1207.5	1260.7	1281.9	1276.6	1267.7	1260.7	1237.6	1189.8	1083.6
20°	1184.5	1188.1	1205.8	1227.0	1299.6	1304.9	1303.2	1296.1	1269.5	1166.8	1062.4
22.5°	1159.7	1165.1	1188.1	1200.5	1243.0	1274.8	1264.2	1253.6	1189.8	1080.1	979.1
25°	1239.4	1241.2	1207.5	1152.7	1136.7	1195.2	1267.7	1281.9	1126.1	1034.0	959.7
27.5°	1303.2	1308.5	1301.4	1251.8	1218.2	1177.4	1129.6	1076.5	1113.7	1083.6	1000.4
30°	1374.0	1393.5	1416.5	1395.2	1308.5	1143.8	1028.7	1030.5	1094.2	1094.2	1050.0
32.5°	1474.9	1519.2	1506.8	1471.4	1331.5	1117.2	1085.4	1076.5	1122.6	1103.1	1044.7
35°	1605.9	1628.9	1567.0	1453.7	1349.2	1204.0	1166.8	1149.1	1117.2	1173.9	980.9
37.5°	1696.2	1671.4	1628.9	1531.6	1287.2	1281.9	1274.8	1260.7	1211.1	1057.0	1051.7
40°	1655.5	1685.6	1721.0	1538.6	1379.3	1327.9	1310.2	1336.8	1195.2	1104.9	1115.5
42.5°	1735.2	1779.5	1666.1	1572.3	1520.9	1405.9	1278.4	1228.8	1237.6	1207.5	1099.5
45°	1797.2	1751.1	1650.2	1535.1	1466.1	1416.5	1389.9	1368.7	1299.6	1189.8	1034.0
47.5°	1533.3	1586.5	1595.3	1556.4	1549.3	1455.4	1395.2	1372.2	1306.7	1046.4	959.7
50°	1558.1	1574.1	1563.4	1614.8	1675.0	1604.2	1551.0	1483.8	1301.4	1193.4	1094.2
52.5°	1611.2	1628.9	1634.3	1659.0	1680.3	1625.4	1572.3	1519.2	1421.8	1312.0	1186.3
55°	1666.1	1673.2	1683.8	1705.1	1737.0	1733.4	1694.5	1641.3	1554.6	1436.0	1292.5
57.5°	1650.2	1664.4	1680.3	1740.5	1786.5	1825.5	1788.3	1751.1	1667.9	1547.5	1400.5
60°	1605.9	1625.4	1667.9	1742.3	1821.9	1885.7	1852.0	1829.0	1749.4	1648.4	1506.8
62.5°	1531.6	1538.6	1602.4	1699.8	1790.1	1912.2	1924.6	1905.2	1860.9	1740.5	1577.6
65°	1421.8	1425.3	1497.9	1607.7	1712.2	1915.8	1958.3	1947.7	1898.1	1777.7	1621.9
67.5°	1290.8	1292.5	1356.3	1451.9	1556.4	1719.2	1814.9	1855.6	1901.6	1768.8	1623.6
70°	1110.2	1111.9	1170.4	1276.6	1366.9	1549.3	1653.7	1710.4	1756.4	1636.0	1513.9
72.5°	961.4	963.2	986.2	1053.5	1135.0	1266.0	1329.7	1372.2	1427.1	1391.7	1273.1
75°	821.6	805.6	807.4	810.9	834.0	910.1	943.7	984.5	1046.4	1051.7	965.0
77.5°	630.3	616.2	605.5	594.9	582.5	630.3	658.7	687.0	715.3	718.9	685.2
80°	439.1	430.3	433.8	423.2	405.5	428.5	432.0	442.6	460.4	490.5	504.6
82.5°	311.6	286.8	290.4	278.0	274.4	292.1	299.2	302.8	324.0	352.3	340.0
85°	187.7	185.9	193.0	193.0	194.8	212.5	223.1	223.1	244.3	260.3	263.8
87.5°	136.3	132.8	139.9	147.0	152.3	166.4	173.5	175.3	189.5	203.6	203.6
90°	111.5	111.5	115.1	118.6	122.2	129.3	134.6	136.3	143.4	148.7	150.5
92.5°	97.4	97.4	99.2	99.2	99.2	100.9	100.9	102.7	109.8	109.8	106.2
95°	93.8	92.1	92.1	93.8	95.6	93.8	90.3	88.5	86.8	85.0	79.7
97.5°	86.8	85.0	86.8	86.8	83.2	83.2	81.4	81.4	76.1	72.6	65.5
100°	77.9	79.7	79.7	81.4	79.7	79.7	77.9	77.9	72.6	69.1	67.3
102.5°	86.8	90.3	86.8	86.8	88.5	85.0	85.0	86.8	83.2	83.2	81.4
105°	93.8	99.2	109.8	118.6	115.1	106.2	104.5	108.0	104.5	104.5	99.2
107.5°	92.1	95.6	102.7	129.3	150.5	162.9	161.1	164.7	152.3	134.6	113.3
110°	90.3	92.1	97.4	109.8	127.5	150.5	161.1	168.2	180.6	168.2	148.7

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CATALOG NUMBER: CRTK-N-50-750-U-T3-CNR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	97.4	100.9	104.5	109.8	115.1	122.2	125.7	131.0	141.6	141.6	131.0
115°	106.2	104.5	104.5	104.5	106.2	111.5	109.8	109.8	109.8	102.7	86.8
117.5°	83.2	79.7	81.4	81.4	81.4	85.0	81.4	79.7	77.9	67.3	56.7
120°	54.9	53.1	54.9	58.4	56.7	58.4	56.7	54.9	53.1	49.6	44.3
122.5°	46.0	44.3	44.3	44.3	44.3	46.0	47.8	46.0	46.0	44.3	40.7
125°	33.6	33.6	33.6	33.6	33.6	35.4	37.2	37.2	37.2	37.2	33.6
127.5°	28.3	28.3	28.3	28.3	28.3	30.1	31.9	31.9	30.1	30.1	28.3
130°	24.8	24.8	24.8	24.8	24.8	26.6	26.6	26.6	26.6	24.8	23.0
132.5°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	21.2
135°	21.2	21.2	21.2	21.2	23.0	21.2	23.0	23.0	21.2	21.2	17.7
137.5°	19.5	17.7	19.5	17.7	19.5	19.5	19.5	17.7	17.7	17.7	14.2
140°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	14.2
142.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	12.4
145°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	12.4	12.4	10.6
147.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	10.6
150°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	10.6	10.6
152.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	8.9
155°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
157.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
160°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
162.5°	3.5	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5
165°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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°	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0
2.5°	1127.9	1124.3	1124.3	1126.1	1115.5	1104.9	1097.8	1092.5	1090.7	1092.5	1087.1
5°	1138.5	1133.2	1122.6	1111.9	1099.5	1081.8	1071.2	1060.6	1057.0	1058.8	1057.0
7.5°	1143.8	1135.0	1117.2	1101.3	1078.3	1055.3	1041.1	1028.7	1021.6	1023.4	1019.9
10°	1142.0	1127.9	1101.3	1078.3	1046.4	1018.1	998.6	982.7	977.4	979.1	977.4
12.5°	1143.8	1124.3	1085.4	1042.9	988.0	947.3	924.3	911.9	910.1	922.5	922.5
15°	1143.8	1099.5	1021.6	988.0	947.3	913.6	892.4	871.1	857.0	825.1	823.3
17.5°	1037.6	1048.2	1012.8	968.5	924.3	892.4	860.5	830.4	798.5	798.5	795.0
20°	1023.4	996.8	973.8	945.5	897.7	864.1	826.9	780.8	761.4	763.1	761.4
22.5°	938.4	918.9	871.1	878.2	841.0	791.5	741.9	713.6	715.3	729.5	729.5
25°	917.2	880.0	818.0	791.5	807.4	706.5	688.8	681.7	690.5	717.1	715.3
27.5°	956.1	910.1	830.4	747.2	678.1	687.0	688.8	688.8	692.3	679.9	671.1
30°	996.8	943.7	800.3	715.3	628.6	649.8	676.4	701.2	674.6	658.7	660.4
32.5°	1016.3	913.6	802.1	687.0	625.0	617.9	665.7	651.6	662.2	662.2	667.5
35°	920.7	880.0	825.1	688.8	639.2	621.5	619.7	635.6	642.7	676.4	681.7
37.5°	986.2	924.3	750.7	711.8	658.7	614.4	603.8	644.5	648.0	648.0	660.4
40°	1058.8	963.2	782.6	699.4	651.6	635.6	625.0	632.1	649.8	610.9	610.9
42.5°	1014.6	945.5	818.0	692.3	648.0	664.0	665.7	646.3	617.9	632.1	637.4
45°	979.1	892.4	803.9	725.9	679.9	681.7	667.5	642.7	625.0	648.0	648.0
47.5°	908.3	858.7	779.1	745.4	710.0	718.9	738.3	662.2	642.7	600.2	577.2
50°	1035.8	977.4	872.9	784.4	759.6	768.4	816.2	718.9	656.9	607.3	607.3
52.5°	1117.2	1060.6	947.3	855.2	814.5	828.6	867.6	752.5	690.5	653.4	646.3
55°	1209.3	1140.3	1023.4	920.7	874.7	872.9	895.9	809.2	747.2	702.9	710.0
57.5°	1303.2	1237.6	1096.0	980.9	924.3	918.9	922.5	878.2	787.9	759.6	770.2
60°	1428.9	1345.7	1173.9	1026.9	957.9	961.4	957.9	924.3	841.0	795.0	795.0
62.5°	1510.3	1414.7	1255.4	1111.9	1025.2	998.6	988.0	942.0	869.4	816.2	819.8
65°	1542.2	1464.3	1289.0	1142.0	1041.1	984.5	954.4	926.0	864.1	839.3	832.2
67.5°	1533.3	1450.1	1276.6	1117.2	995.1	888.8	837.5	787.9	809.2	802.1	795.0
70°	1432.4	1338.6	1143.8	1023.4	915.4	800.3	717.1	687.0	685.2	678.1	635.6
72.5°	1216.4	1131.4	965.0	860.5	761.4	685.2	656.9	596.7	557.7	527.6	511.7
75°	947.3	892.4	796.8	720.6	630.3	580.8	527.6	481.6	467.4	465.7	453.3
77.5°	687.0	660.4	625.0	602.0	550.7	495.8	449.7	430.3	421.4	416.1	414.3
80°	506.4	499.3	472.7	465.7	433.8	403.7	384.2	384.2	382.4	387.8	386.0
82.5°	345.3	340.0	343.5	352.3	336.4	320.5	315.2	327.6	352.3	371.8	368.3
85°	270.9	265.6	263.8	267.4	262.0	253.2	253.2	260.3	258.5	262.0	253.2
87.5°	210.7	208.9	203.6	207.2	200.1	196.5	196.5	198.3	196.5	196.5	194.8
90°	155.8	155.8	152.3	155.8	147.0	143.4	145.2	143.4	132.8	127.5	123.9
92.5°	109.8	108.0	104.5	108.0	100.9	99.2	99.2	93.8	92.1	90.3	90.3
95°	81.4	79.7	76.1	74.4	70.8	69.1	72.6	72.6	67.3	58.4	54.9
97.5°	63.7	63.7	62.0	60.2	56.7	51.3	49.6	42.5	35.4	28.3	30.1
100°	65.5	63.7	65.5	60.2	51.3	39.0	33.6	30.1	24.8	17.7	17.7
102.5°	81.4	79.7	76.1	62.0	47.8	37.2	31.9	24.8	19.5	10.6	8.9
105°	93.8	90.3	74.4	60.2	47.8	37.2	30.1	24.8	17.7	8.9	5.3
107.5°	102.7	90.3	79.7	70.8	65.5	53.1	39.0	26.6	14.2	5.3	3.5
110°	139.9	127.5	116.9	100.9	76.1	46.0	31.9	17.7	10.6	3.5	1.8

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CATALOG NUMBER: CRTK-N-50-750-U-T3-CNR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	120.4	115.1	86.8	65.5	46.0	28.3	21.2	15.9	8.9	3.5	3.5
115°	76.1	69.1	53.1	40.7	31.9	23.0	17.7	14.2	8.9	3.5	0.0
117.5°	51.3	47.8	39.0	33.6	26.6	21.2	15.9	12.4	7.1	0.0	0.0
120°	42.5	40.7	33.6	28.3	23.0	17.7	14.2	10.6	3.5	0.0	0.0
122.5°	37.2	35.4	28.3	24.8	19.5	15.9	12.4	7.1	1.8	0.0	0.0
125°	31.9	31.9	28.3	24.8	21.2	17.7	12.4	7.1	1.8	0.0	0.0
127.5°	26.6	24.8	23.0	19.5	17.7	12.4	10.6	7.1	0.0	0.0	0.0
130°	21.2	21.2	17.7	14.2	12.4	8.9	7.1	3.5	0.0	0.0	0.0
132.5°	19.5	19.5	15.9	14.2	10.6	7.1	5.3	3.5	0.0	0.0	0.0
135°	17.7	17.7	14.2	12.4	8.9	7.1	5.3	3.5	0.0	0.0	0.0
137.5°	14.2	14.2	12.4	8.9	7.1	5.3	3.5	1.8	0.0	0.0	0.0
140°	12.4	12.4	10.6	8.9	7.1	5.3	3.5	1.8	0.0	0.0	0.0
142.5°	10.6	10.6	8.9	7.1	5.3	3.5	1.8	1.8	0.0	0.0	0.0
145°	10.6	10.6	8.9	7.1	5.3	3.5	1.8	0.0	0.0	0.0	0.0
147.5°	10.6	8.9	8.9	7.1	5.3	3.5	1.8	0.0	0.0	0.0	0.0
150°	8.9	8.9	7.1	5.3	3.5	1.8	1.8	0.0	0.0	0.0	0.0
152.5°	8.9	8.9	7.1	5.3	3.5	1.8	1.8	0.0	0.0	0.0	0.0
155°	7.1	7.1	5.3	3.5	3.5	1.8	1.8	0.0	0.0	0.0	0.0
157.5°	7.1	5.3	5.3	3.5	1.8	1.8	1.8	0.0	0.0	0.0	0.0
160°	5.3	5.3	3.5	3.5	1.8	1.8	1.8	0.0	0.0	0.0	0.0
162.5°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
165°	3.5	3.5	3.5	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
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)