

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: P691325

Luminaire Tested: **CRTK2-C015-D-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3885 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 29.9
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



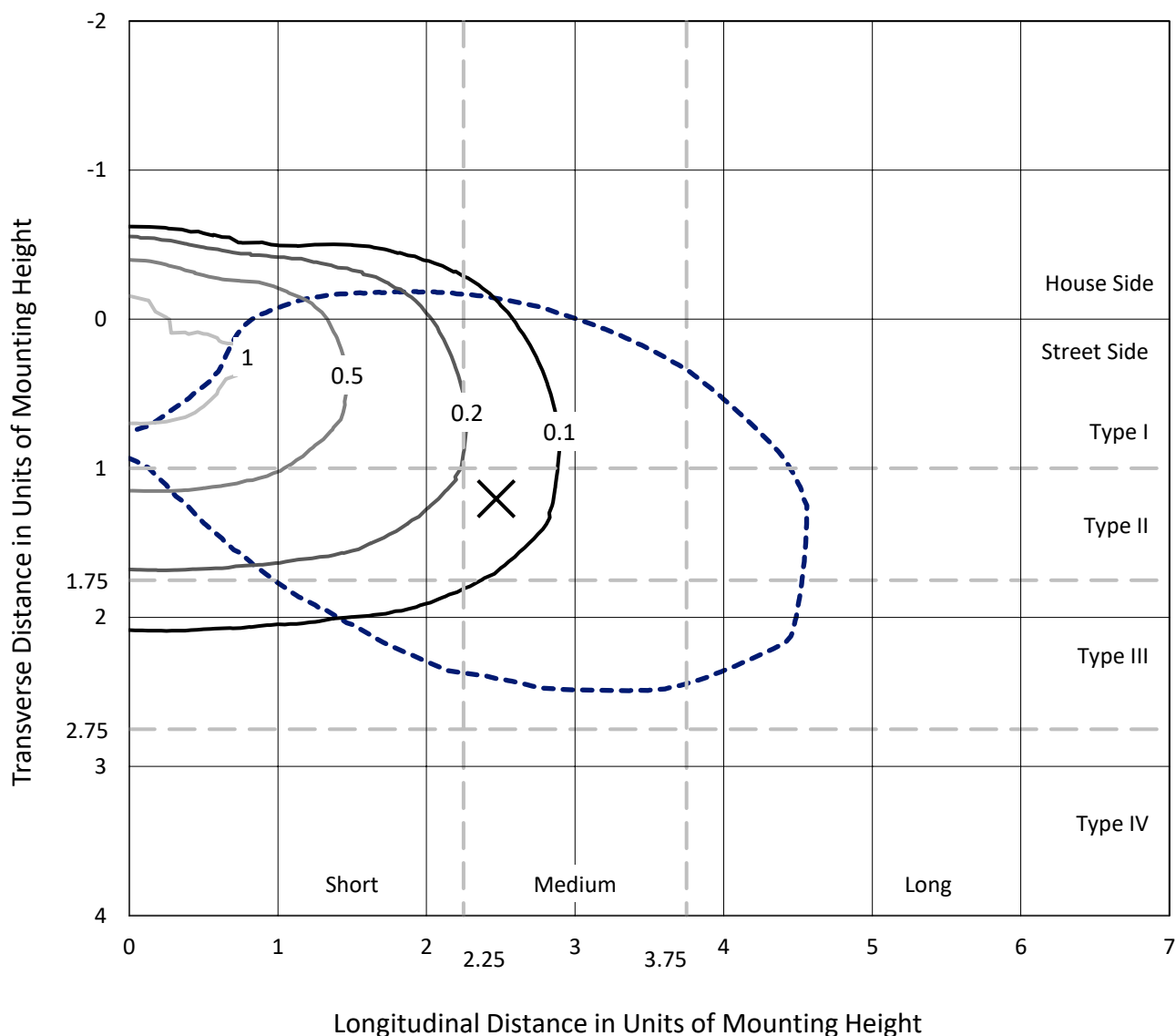
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

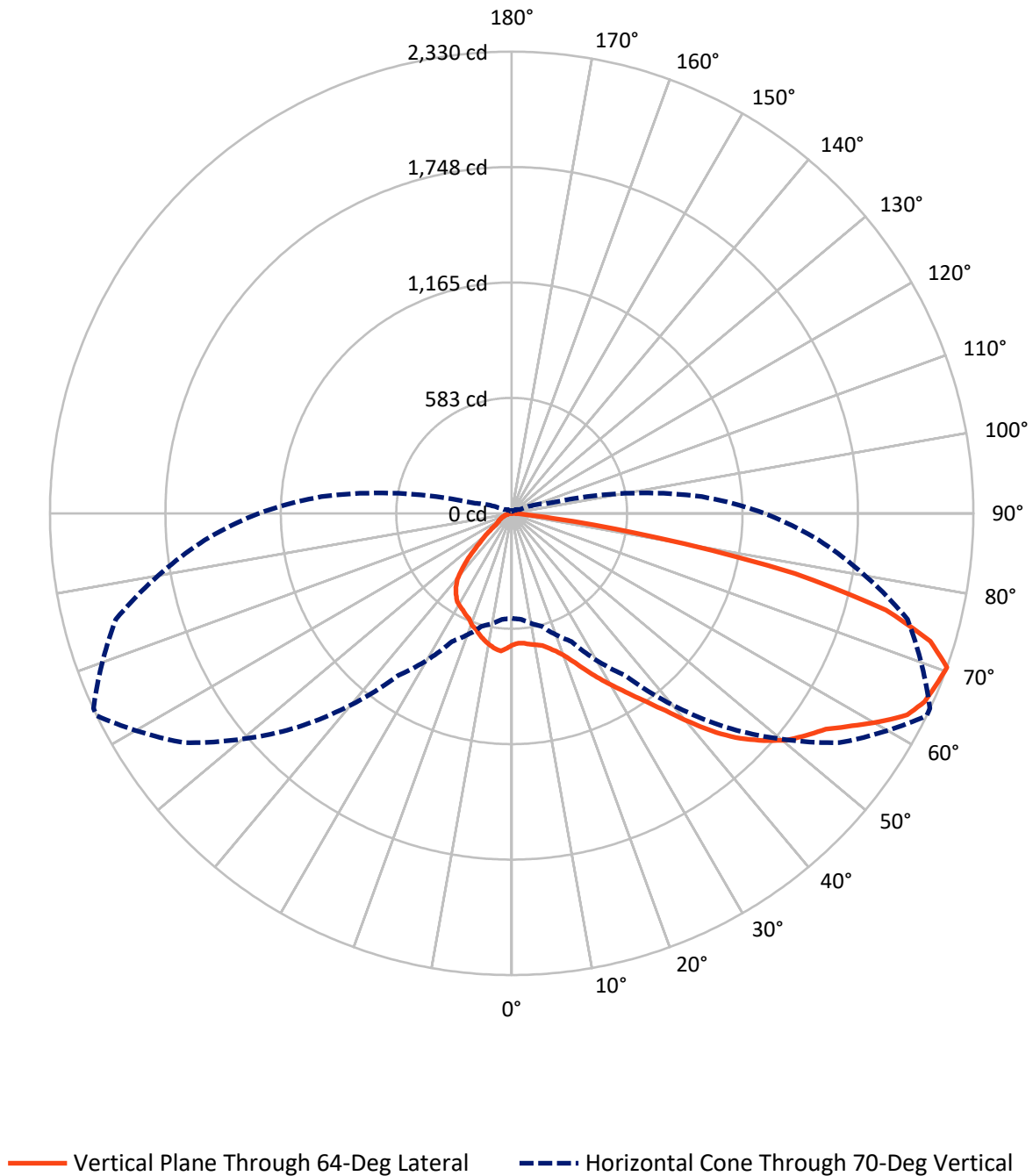
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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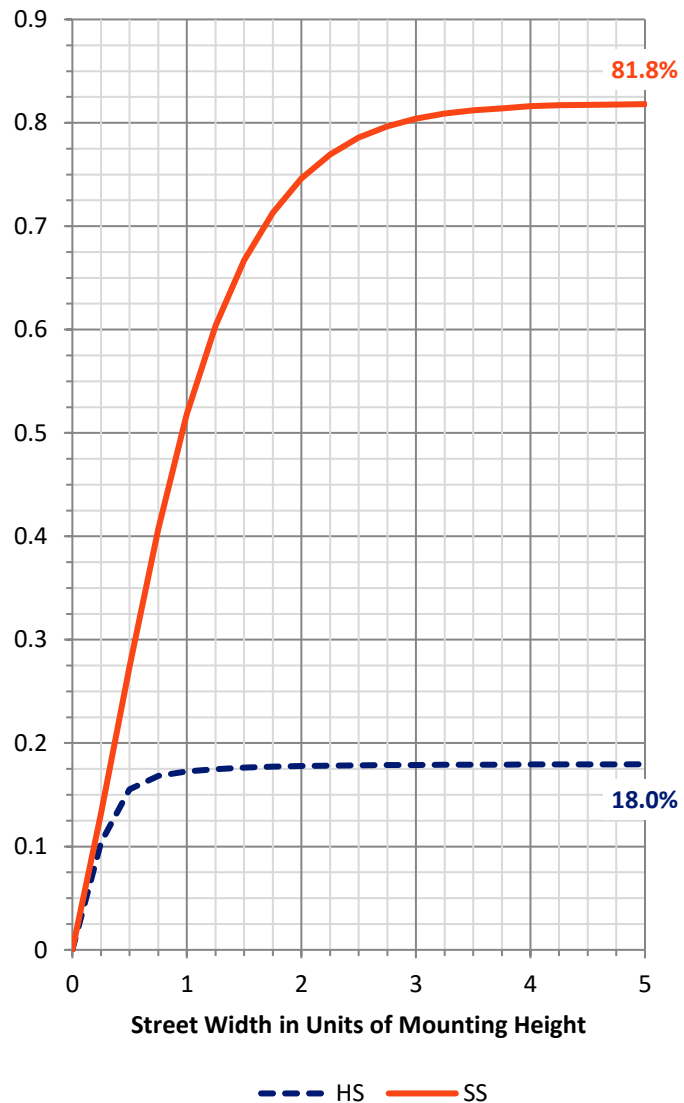
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	706.1	0.0	706.1
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3178.9	0.0	3178.9
	% Fixture	81.8	0.0	81.8
Total	Lumens	3885.0	0.0	3885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	1.7
10°-20°	191.3	4.9
20°-30°	322.2	8.3
30°-40°	474.2	12.2
40°-50°	650.3	16.7
50°-60°	791.3	20.4
60°-70°	840.1	21.6
70°-80°	515.0	13.3
80°-90°	35.9	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3885.0	100.0
0°-180°	3885.0	100.0

Coefficient of Utilization



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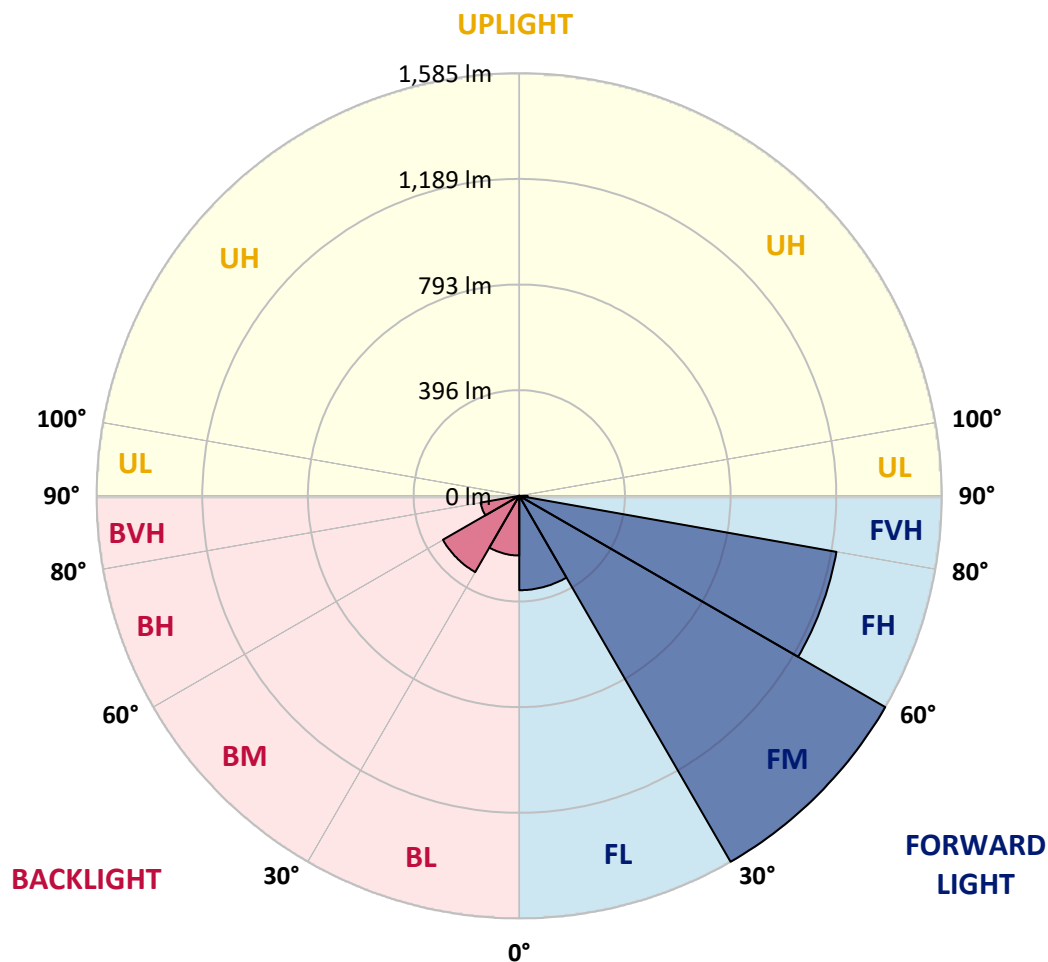
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.1	9.1			
FM	(30°-60°)	1585.4	40.8			
FH	(60°-80°)	1208.1	31.1			G1/1800
FVH	(80°-90°)	31.3	0.8			G1/100
BL	(0°-30°)	224.0	5.8	B1/500		
BM	(30°-60°)	330.5	8.5	B1/1000		
BH	(60°-80°)	147.0	3.8	B1/500		G1/500
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4
2.5°	656.2	656.2	657.7	656.2	659.1	654.8	656.2	656.2	656.2	657.7	661.9
5°	676.2	676.2	673.3	669.1	664.8	659.1	659.1	659.1	659.1	661.9	671.9
7.5°	689.0	687.6	687.6	687.6	683.3	671.9	669.1	667.6	667.6	667.6	677.6
10°	720.3	716.0	710.3	701.8	697.5	687.6	676.2	674.8	674.8	676.2	689.0
12.5°	750.2	745.9	745.9	740.2	723.2	711.8	691.8	684.7	684.7	687.6	694.7
15°	800.0	795.8	784.4	774.4	758.7	738.8	718.9	706.1	704.6	710.3	700.4
17.5°	835.6	828.5	829.9	814.3	801.4	773.0	753.0	733.1	733.1	738.8	718.9
20°	869.8	869.8	871.2	869.8	848.4	825.6	792.9	768.7	770.1	771.6	740.2
22.5°	921.0	919.6	919.6	921.0	906.8	881.2	845.6	818.5	817.1	805.7	767.3
25°	980.8	978.0	972.3	978.0	970.8	941.0	906.8	879.7	875.5	859.8	807.1
27.5°	1030.6	1030.6	1030.6	1033.5	1033.5	1012.1	973.7	945.2	948.1	926.7	854.1
30°	1066.2	1066.2	1079.0	1084.7	1089.0	1081.9	1040.6	1010.7	1016.4	990.8	912.5
32.5°	1104.7	1103.2	1120.3	1133.1	1138.8	1141.7	1107.5	1083.3	1084.7	1062.0	979.4
35°	1140.2	1137.4	1160.2	1187.2	1201.5	1198.6	1174.4	1165.9	1168.7	1161.6	1070.5
37.5°	1165.9	1170.1	1200.0	1235.6	1258.4	1264.1	1248.4	1264.1	1279.8	1289.7	1188.6
40°	1194.3	1194.3	1222.8	1261.2	1296.8	1318.2	1329.6	1386.5	1399.3	1406.4	1258.4
42.5°	1165.9	1175.8	1235.6	1291.1	1338.1	1370.9	1417.8	1513.2	1527.4	1483.3	1350.9
45°	1141.7	1150.2	1210.0	1304.0	1372.3	1436.3	1521.8	1621.4	1635.6	1560.2	1403.6
47.5°	1117.5	1127.4	1190.1	1294.0	1403.6	1508.9	1605.7	1713.9	1721.0	1627.1	1473.4
50°	1090.4	1100.4	1165.9	1281.2	1422.1	1587.2	1688.3	1799.3	1800.8	1685.5	1508.9
52.5°	1056.3	1069.1	1134.6	1262.7	1437.8	1639.9	1762.3	1862.0	1853.4	1756.6	1551.6
55°	1013.6	1027.8	1100.4	1238.5	1446.3	1674.1	1810.7	1923.2	1917.5	1839.2	1607.2
57.5°	965.2	980.8	1056.3	1201.5	1443.5	1691.2	1860.6	2024.3	2027.1	1907.5	1648.4
60°	909.6	923.9	995.0	1153.1	1406.4	1722.5	1967.3	2135.3	2145.3	1983.0	1665.5
62.5°	837.0	849.8	918.2	1081.9	1359.5	1745.2	2048.5	2240.6	2236.4	2034.2	1671.2
65°	745.9	760.2	824.2	987.9	1285.4	1731.0	2074.1	2290.5	2290.5	2071.2	1667.0
67.5°	653.4	666.2	720.3	868.4	1165.9	1659.8	2058.4	2310.4	2323.2	2095.4	1628.5
70°	529.6	536.7	590.8	713.2	999.3	1526.0	2018.6	2330.3	2328.9	2068.4	1555.9
72.5°	388.6	397.2	441.3	535.2	773.0	1321.0	1893.3	2209.3	2186.5	1923.2	1415.0
75°	200.7	209.3	243.4	336.0	492.5	932.4	1614.3	1951.7	1947.4	1702.5	1171.6
77.5°	27.0	27.0	31.3	55.5	113.9	371.5	1057.7	1462.0	1453.4	1298.3	851.3
80°	18.5	18.5	21.4	25.6	32.7	81.1	373.0	741.7	754.5	669.1	381.5
82.5°	14.2	12.8	15.7	18.5	19.9	37.0	113.9	205.0	207.8	186.5	116.7
85°	8.5	8.5	8.5	8.5	7.1	10.0	25.6	34.2	38.4	37.0	29.9
87.5°	4.3	4.3	4.3	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
90°	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°	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4	663.4
2.5°	663.4	667.6	673.3	680.4	687.6	693.3	699.0	701.8	704.6	706.1	707.5
5°	674.8	680.4	687.6	697.5	697.5	693.3	690.4	690.4	693.3	697.5	699.0
7.5°	686.1	691.8	689.0	687.6	689.0	683.3	676.2	671.9	669.1	669.1	671.9
10°	690.4	684.7	681.9	674.8	660.5	657.7	652.0	640.6	637.7	640.6	630.6
12.5°	687.6	683.3	669.1	657.7	643.4	619.2	605.0	605.0	597.9	596.5	597.9
15°	694.7	680.4	663.4	639.2	613.5	593.6	570.8	550.9	545.2	546.6	546.6
17.5°	700.4	686.1	652.0	615.0	592.2	556.6	531.0	519.6	509.6	508.2	508.2
20°	713.2	693.3	644.9	605.0	548.1	521.0	492.5	478.3	462.6	441.3	434.2
22.5°	733.1	706.1	640.6	578.0	528.1	485.4	444.1	401.4	375.8	358.7	363.0
25°	760.2	730.3	644.9	568.0	498.2	444.1	390.0	331.7	293.2	281.9	289.0
27.5°	808.6	757.3	657.7	553.8	476.9	395.7	314.6	263.4	227.8	216.4	220.6
30°	852.7	798.6	659.1	545.2	442.7	338.8	247.7	190.8	162.3	145.2	140.9
32.5°	932.4	842.7	694.7	533.8	407.1	276.2	182.2	126.7	101.1	91.1	88.3
35°	1010.7	921.0	704.6	512.5	341.6	205.0	112.5	75.4	61.2	54.1	52.7
37.5°	1118.9	1016.4	745.9	489.7	276.2	125.3	68.3	45.6	42.7	41.3	41.3
40°	1173.0	1066.2	780.1	457.0	193.6	71.2	44.1	39.9	38.4	37.0	37.0
42.5°	1249.9	1123.2	808.6	398.6	113.9	47.0	39.9	37.0	35.6	34.2	34.2
45°	1292.6	1153.1	801.4	327.4	56.9	44.1	38.4	35.6	32.7	32.7	32.7
47.5°	1349.5	1197.2	782.9	242.0	51.2	42.7	37.0	34.2	32.7	34.2	32.7
50°	1403.6	1239.9	731.7	192.2	49.8	41.3	37.0	32.7	32.7	32.7	32.7
52.5°	1433.5	1279.8	667.6	140.9	51.2	41.3	35.6	32.7	32.7	31.3	32.7
55°	1462.0	1285.4	616.4	102.5	51.2	39.9	34.2	31.3	29.9	28.5	28.5
57.5°	1481.9	1272.6	575.1	85.4	51.2	39.9	32.7	29.9	25.6	24.2	24.2
60°	1476.2	1241.3	540.9	78.3	48.4	37.0	29.9	25.6	22.8	19.9	19.9
62.5°	1460.5	1222.8	478.3	68.3	44.1	34.2	27.0	21.4	18.5	17.1	17.1
65°	1446.3	1164.4	405.7	61.2	41.3	29.9	22.8	18.5	15.7	14.2	14.2
67.5°	1378.0	1087.6	301.8	52.7	37.0	27.0	19.9	17.1	14.2	12.8	11.4
70°	1276.9	963.7	197.9	45.6	32.7	22.8	17.1	14.2	11.4	10.0	10.0
72.5°	1104.7	795.8	102.5	37.0	27.0	19.9	15.7	12.8	10.0	8.5	8.5
75°	896.8	585.1	61.2	28.5	21.4	17.1	12.8	10.0	8.5	7.1	7.1
77.5°	620.7	323.1	44.1	21.4	14.2	12.8	10.0	8.5	7.1	5.7	5.7
80°	209.3	88.3	31.3	15.7	10.0	10.0	7.1	5.7	5.7	4.3	4.3
82.5°	82.6	54.1	21.4	11.4	8.5	7.1	5.7	4.3	4.3	4.3	4.3
85°	22.8	15.7	8.5	5.7	4.3	4.3	4.3	2.8	2.8	2.8	2.8
87.5°	1.4	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4
90°	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)