

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: P691417

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691417
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-C016-5TLD-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: 5452 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.8
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



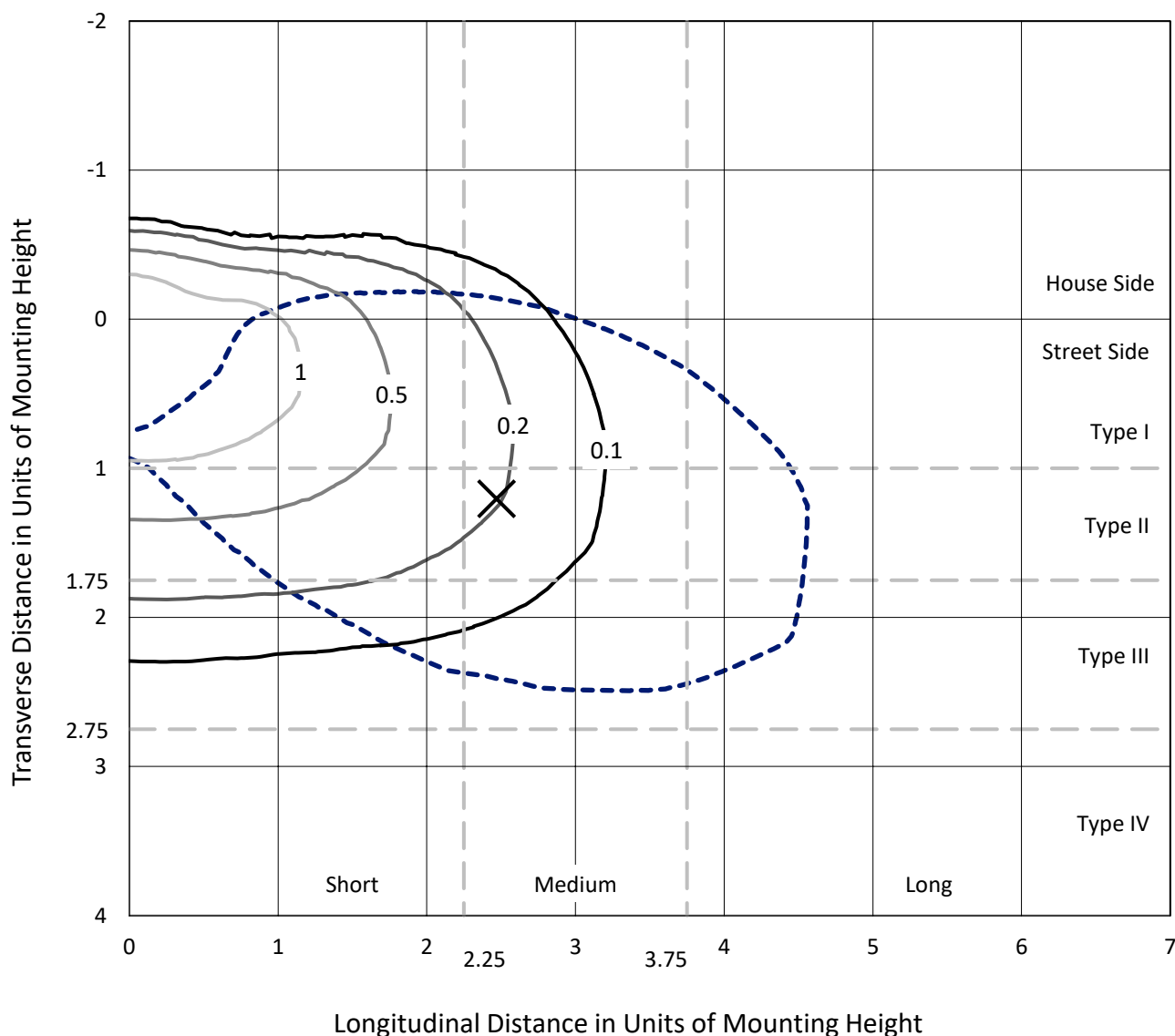
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

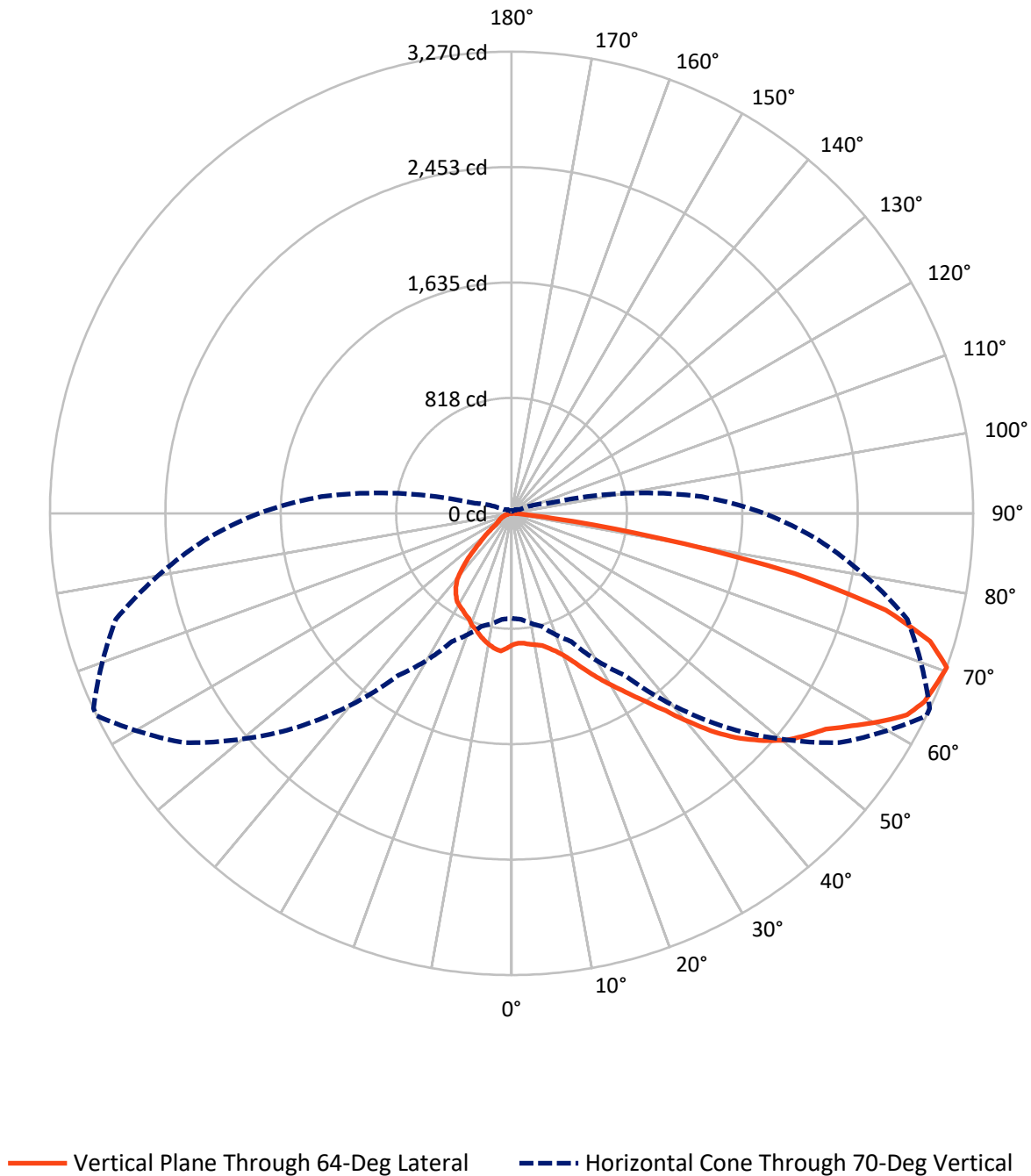


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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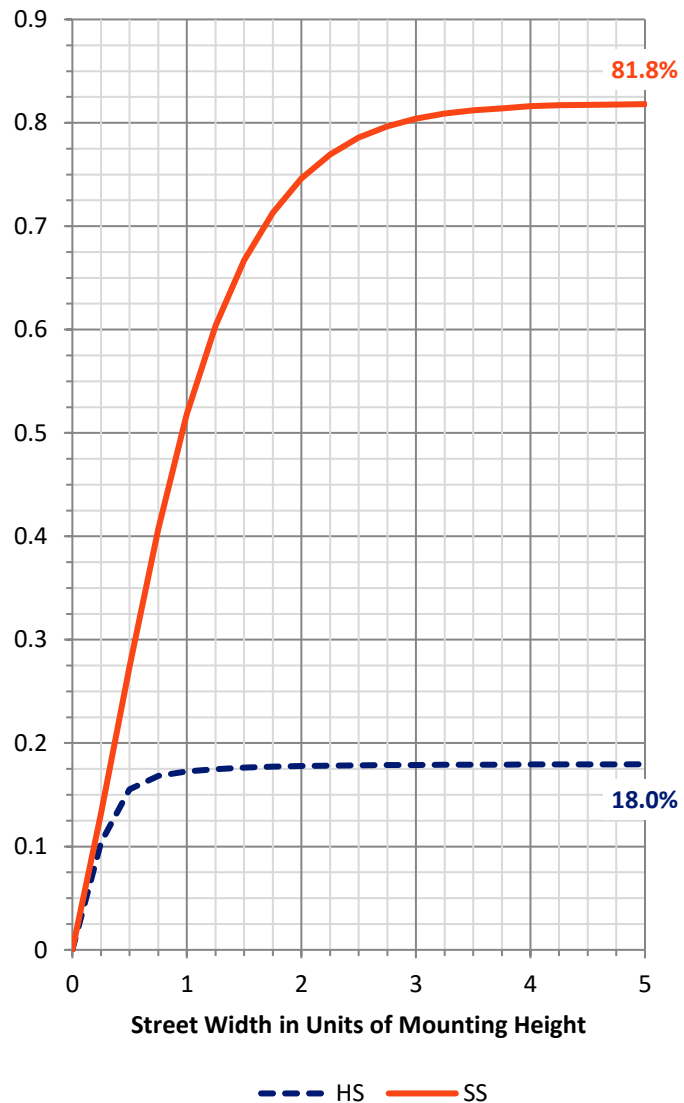
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.9	0.0	990.9
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	4461.1	0.0	4461.1
	% Fixture	81.8	0.0	81.8
Total	Lumens	5452.0	0.0	5452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	1.7
10°-20°	268.4	4.9
20°-30°	452.2	8.3
30°-40°	665.5	12.2
40°-50°	912.6	16.7
50°-60°	1110.4	20.4
60°-70°	1179.0	21.6
70°-80°	722.7	13.3
80°-90°	50.4	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°	5452.0	100.0
0°-180°	5452.0	100.0

Coefficient of Utilization



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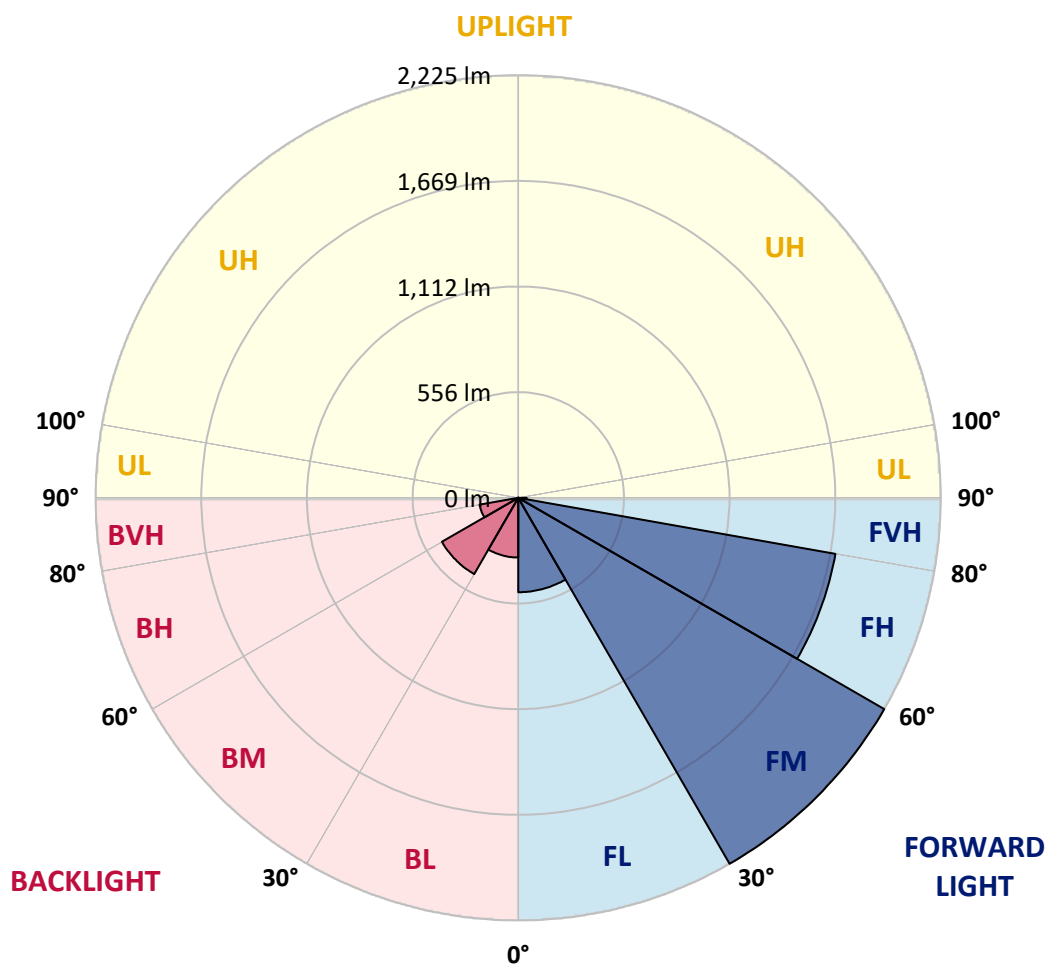
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	497.0	9.1			
FM	(30°-60°)	2224.8	40.8			
FH	(60°-80°)	1695.4	31.1			G1/1800
FVH	(80°-90°)	44.0	0.8			G1/100
BL	(0°-30°)	314.3	5.8	B1/500		
BM	(30°-60°)	463.8	8.5	B1/1000		
BH	(60°-80°)	206.3	3.8	B1/500		G1/500
BVH	(80°-90°)	6.5	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°	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9
2.5°	920.9	920.9	922.9	920.9	924.9	918.9	920.9	920.9	920.9	922.9	928.9
5°	948.9	948.9	944.9	938.9	932.9	924.9	924.9	924.9	924.9	928.9	942.9
7.5°	966.9	964.9	964.9	964.9	958.9	942.9	938.9	936.9	936.9	936.9	950.9
10°	1010.8	1004.8	996.9	984.9	978.9	964.9	948.9	946.9	946.9	948.9	966.9
12.5°	1052.8	1046.8	1046.8	1038.8	1014.8	998.9	970.9	960.9	960.9	964.9	974.9
15°	1122.7	1116.7	1100.7	1086.8	1064.8	1036.8	1008.8	990.9	988.9	996.9	982.9
17.5°	1172.7	1162.7	1164.7	1142.7	1124.7	1084.8	1056.8	1028.8	1028.8	1036.8	1008.8
20°	1220.6	1220.6	1222.6	1220.6	1190.6	1158.7	1112.7	1078.8	1080.8	1082.8	1038.8
22.5°	1292.5	1290.5	1290.5	1292.5	1272.5	1236.6	1186.6	1148.7	1146.7	1130.7	1076.8
25°	1376.4	1372.4	1364.4	1372.4	1362.4	1320.5	1272.5	1234.6	1228.6	1206.6	1132.7
27.5°	1446.3	1446.3	1446.3	1450.3	1450.3	1420.4	1366.4	1326.5	1330.5	1300.5	1198.6
30°	1496.3	1496.3	1514.3	1522.3	1528.2	1518.3	1460.3	1418.4	1426.4	1390.4	1280.5
32.5°	1550.2	1548.2	1572.2	1590.2	1598.2	1602.2	1554.2	1520.3	1522.3	1490.3	1374.4
35°	1600.2	1596.2	1628.1	1666.1	1686.1	1682.1	1648.1	1636.1	1640.1	1630.1	1502.3
37.5°	1636.1	1642.1	1684.1	1734.0	1766.0	1774.0	1752.0	1774.0	1795.9	1809.9	1668.1
40°	1676.1	1676.1	1716.0	1770.0	1819.9	1849.9	1865.9	1945.8	1963.7	1973.7	1766.0
42.5°	1636.1	1650.1	1734.0	1811.9	1877.8	1923.8	1989.7	2123.6	2143.5	2081.6	1895.8
45°	1602.2	1614.1	1698.0	1829.9	1925.8	2015.7	2135.5	2275.4	2295.4	2189.5	1969.7
47.5°	1568.2	1582.2	1670.1	1815.9	1969.7	2117.6	2253.4	2405.2	2415.2	2283.4	2067.6
50°	1530.2	1544.2	1636.1	1797.9	1995.7	2227.4	2369.3	2525.1	2527.1	2365.3	2117.6
52.5°	1482.3	1500.3	1592.2	1772.0	2017.7	2301.4	2473.2	2613.0	2601.0	2465.2	2177.5
55°	1422.4	1442.3	1544.2	1738.0	2029.7	2349.3	2541.1	2698.9	2690.9	2581.0	2255.4
57.5°	1354.4	1376.4	1482.3	1686.1	2025.7	2373.3	2611.0	2840.7	2844.7	2676.9	2313.3
60°	1276.5	1296.5	1396.4	1618.1	1973.7	2417.2	2760.8	2996.6	3010.5	2782.8	2337.3
62.5°	1174.7	1192.6	1288.5	1518.3	1907.8	2449.2	2874.7	3144.4	3138.4	2854.7	2345.3
65°	1046.8	1066.8	1156.7	1386.4	1803.9	2429.2	2910.7	3214.3	3214.3	2906.7	2339.3
67.5°	916.9	934.9	1010.8	1218.6	1636.1	2329.3	2888.7	3242.3	3260.3	2940.6	2285.4
70°	743.1	753.1	829.0	1000.9	1402.4	2141.5	2832.7	3270.2	3268.2	2902.7	2183.5
72.5°	545.4	557.4	619.3	751.1	1084.8	1853.9	2656.9	3100.4	3068.5	2698.9	1985.7
75°	281.7	293.7	341.6	471.5	691.2	1308.5	2265.4	2738.9	2732.9	2389.3	1644.1
77.5°	38.0	38.0	43.9	77.9	159.8	521.4	1484.3	2051.6	2039.7	1821.9	1194.6
80°	26.0	26.0	30.0	36.0	45.9	113.9	523.4	1040.8	1058.8	938.9	535.4
82.5°	20.0	18.0	22.0	26.0	28.0	51.9	159.8	287.7	291.7	261.7	163.8
85°	12.0	12.0	12.0	12.0	10.0	14.0	36.0	47.9	53.9	51.9	42.0
87.5°	6.0	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9	930.9
2.5°	930.9	936.9	944.9	954.9	964.9	972.9	980.9	984.9	988.9	990.9	992.9
5°	946.9	954.9	964.9	978.9	978.9	972.9	968.9	968.9	972.9	978.9	980.9
7.5°	962.9	970.9	966.9	964.9	966.9	958.9	948.9	942.9	938.9	938.9	942.9
10°	968.9	960.9	956.9	946.9	926.9	922.9	914.9	899.0	895.0	899.0	885.0
12.5°	964.9	958.9	938.9	922.9	903.0	869.0	849.0	849.0	839.0	837.0	839.0
15°	974.9	954.9	930.9	897.0	861.0	833.0	801.1	773.1	765.1	767.1	767.1
17.5°	982.9	962.9	914.9	863.0	831.0	781.1	745.1	729.2	715.2	713.2	713.2
20°	1000.9	972.9	905.0	849.0	769.1	731.2	691.2	671.2	649.3	619.3	609.3
22.5°	1028.8	990.9	899.0	811.1	741.1	681.2	623.3	563.4	527.4	503.4	509.4
25°	1066.8	1024.8	905.0	797.1	699.2	623.3	547.4	465.5	411.5	395.5	405.5
27.5°	1134.7	1062.8	922.9	777.1	669.2	555.4	441.5	369.6	319.6	303.7	309.6
30°	1196.6	1120.7	924.9	765.1	621.3	475.5	347.6	267.7	227.7	203.8	197.8
32.5°	1308.5	1182.6	974.9	749.1	571.3	387.6	255.7	177.8	141.8	127.9	123.9
35°	1418.4	1292.5	988.9	719.2	479.4	287.7	157.8	105.9	85.9	75.9	73.9
37.5°	1570.2	1426.4	1046.8	687.2	387.6	175.8	95.9	63.9	59.9	57.9	57.9
40°	1646.1	1496.3	1094.7	641.3	271.7	99.9	61.9	55.9	53.9	51.9	51.9
42.5°	1754.0	1576.2	1134.7	559.4	159.8	65.9	55.9	51.9	49.9	47.9	47.9
45°	1813.9	1618.1	1124.7	459.5	79.9	61.9	53.9	49.9	45.9	45.9	45.9
47.5°	1893.8	1680.1	1098.7	339.6	71.9	59.9	51.9	47.9	45.9	47.9	45.9
50°	1969.7	1740.0	1026.8	269.7	69.9	57.9	51.9	45.9	45.9	45.9	45.9
52.5°	2011.7	1795.9	936.9	197.8	71.9	57.9	49.9	45.9	45.9	43.9	45.9
55°	2051.6	1803.9	865.0	143.8	71.9	55.9	47.9	43.9	42.0	40.0	40.0
57.5°	2079.6	1785.9	807.1	119.9	71.9	55.9	45.9	42.0	36.0	34.0	34.0
60°	2071.6	1742.0	759.1	109.9	67.9	51.9	42.0	36.0	32.0	28.0	28.0
62.5°	2049.6	1716.0	671.2	95.9	61.9	47.9	38.0	30.0	26.0	24.0	24.0
65°	2029.7	1634.1	569.3	85.9	57.9	42.0	32.0	26.0	22.0	20.0	20.0
67.5°	1933.8	1526.2	423.5	73.9	51.9	38.0	28.0	24.0	20.0	18.0	16.0
70°	1791.9	1352.4	277.7	63.9	45.9	32.0	24.0	20.0	16.0	14.0	14.0
72.5°	1550.2	1116.7	143.8	51.9	38.0	28.0	22.0	18.0	14.0	12.0	12.0
75°	1258.6	821.1	85.9	40.0	30.0	24.0	18.0	14.0	12.0	10.0	10.0
77.5°	871.0	453.5	61.9	30.0	20.0	18.0	14.0	12.0	10.0	8.0	8.0
80°	293.7	123.9	43.9	22.0	14.0	14.0	10.0	8.0	8.0	6.0	6.0
82.5°	115.9	75.9	30.0	16.0	12.0	10.0	8.0	6.0	6.0	6.0	6.0
85°	32.0	22.0	12.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
87.5°	2.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
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)