

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: P691509

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691509
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-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: 5189 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.6
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

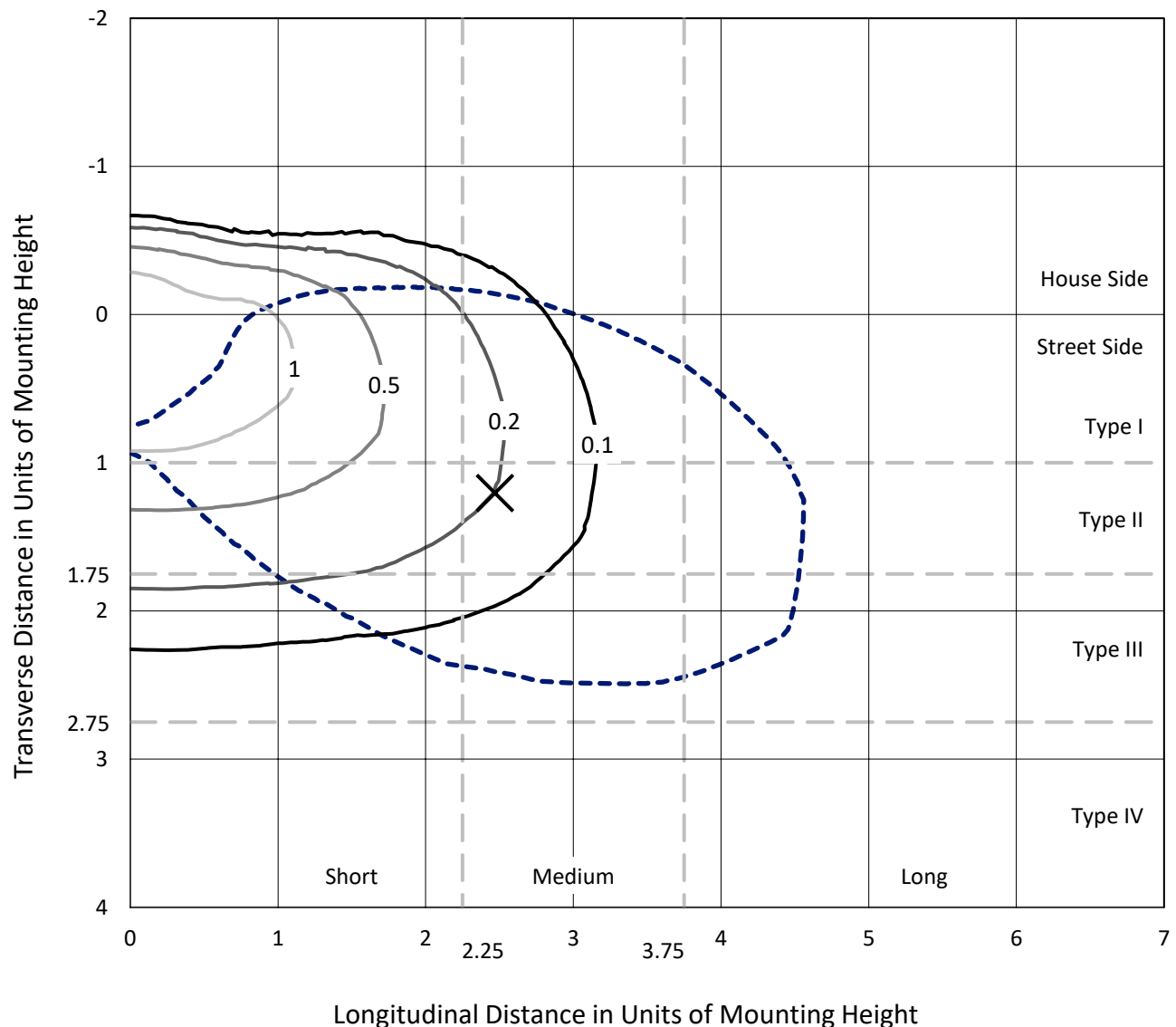


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Iso-Footcandle Lines of Horizontal Illumination

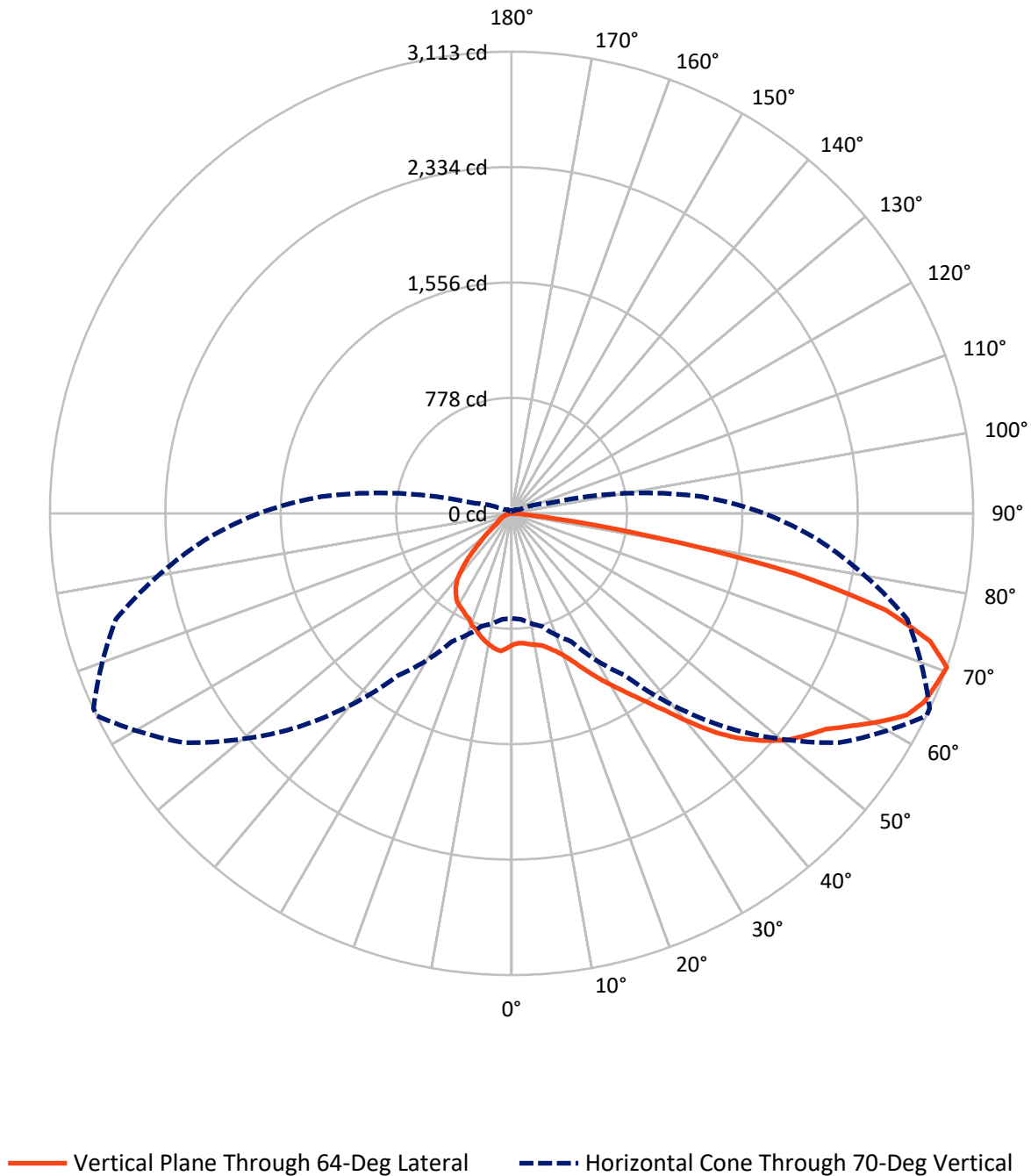
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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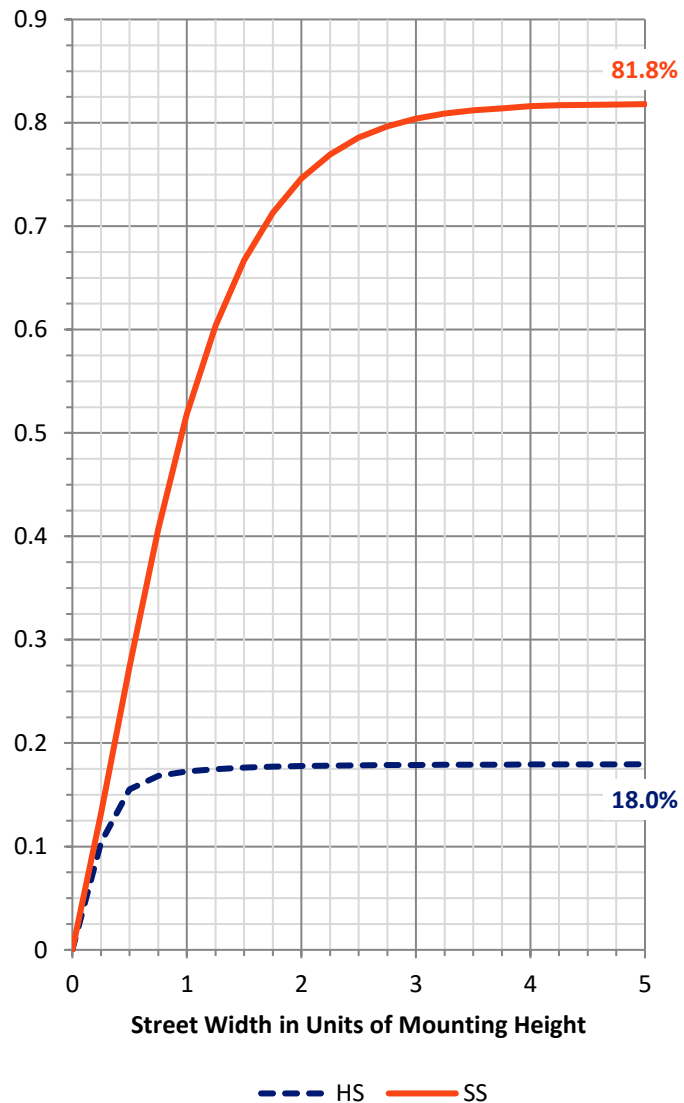
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.0	0.0	943.0
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	4245.9	0.0	4245.9
	% Fixture	81.8	0.0	81.8
Total	Lumens	5189.0	0.0	5189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	1.7
10°-20°	255.4	4.9
20°-30°	430.4	8.3
30°-40°	633.4	12.2
40°-50°	868.6	16.7
50°-60°	1056.9	20.4
60°-70°	1122.1	21.6
70°-80°	687.8	13.3
80°-90°	48.0	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°	5189.0	100.0
0°-180°	5189.0	100.0

Coefficient of Utilization



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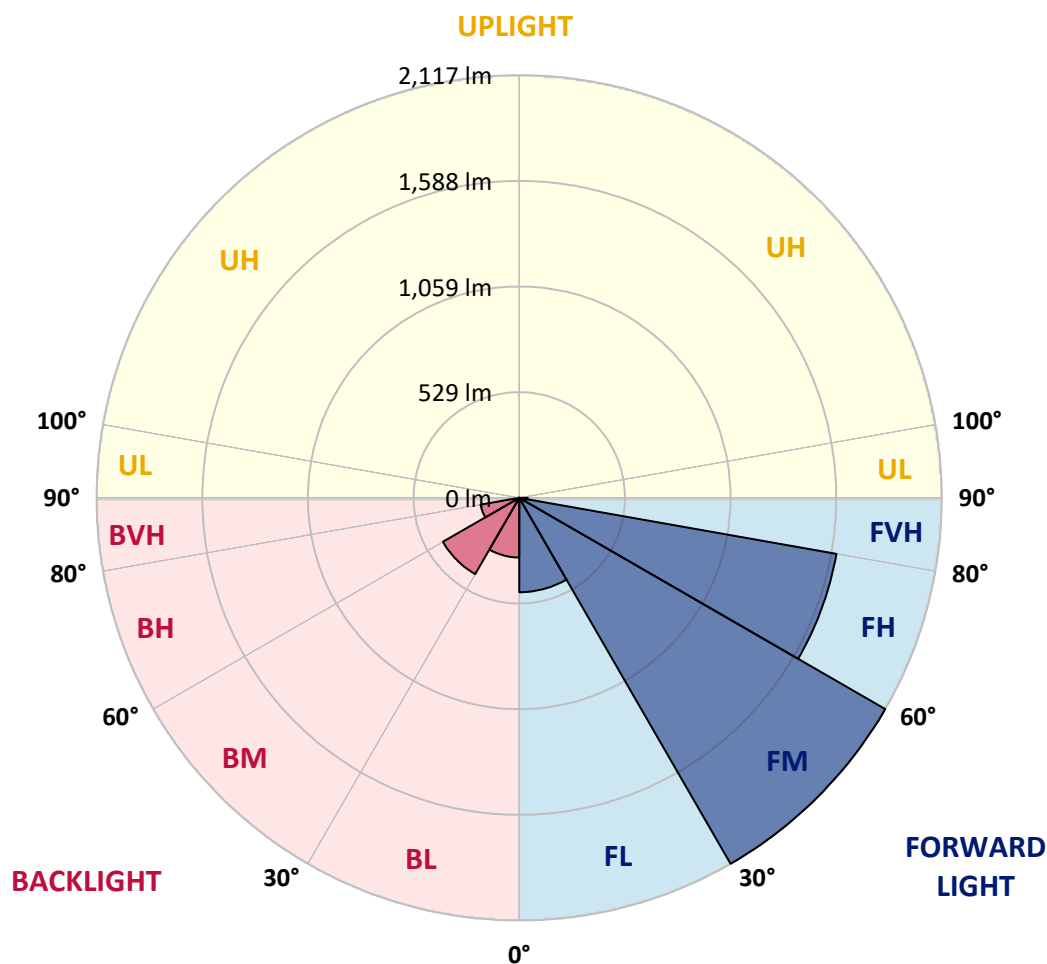
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	473.0	9.1			
FM	(30°-60°)	2117.5	40.8			
FH	(60°-80°)	1613.6	31.1			G1/1800
FVH	(80°-90°)	41.8	0.8			G1/100
BL	(0°-30°)	299.2	5.8	B1/500		
BM	(30°-60°)	441.4	8.5	B1/1000		
BH	(60°-80°)	196.3	3.8	B1/500		G1/500
BVH	(80°-90°)	6.1	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°	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0
2.5°	876.5	876.5	878.4	876.5	880.3	874.6	876.5	876.5	876.5	878.4	884.1
5°	903.1	903.1	899.3	893.6	887.9	880.3	880.3	880.3	880.3	884.1	897.4
7.5°	920.2	918.3	918.3	918.3	912.6	897.4	893.6	891.7	891.7	891.7	905.0
10°	962.1	956.4	948.8	937.4	931.7	918.3	903.1	901.2	901.2	903.1	920.2
12.5°	1002.0	996.3	996.3	988.7	965.9	950.7	924.0	914.5	914.5	918.3	927.9
15°	1068.6	1062.8	1047.6	1034.3	1013.4	986.8	960.2	943.1	941.2	948.8	935.5
17.5°	1116.1	1106.6	1108.5	1087.6	1070.5	1032.4	1005.8	979.2	979.2	986.8	960.2
20°	1161.7	1161.7	1163.6	1161.7	1133.2	1102.8	1059.0	1026.7	1028.6	1030.5	988.7
22.5°	1230.2	1228.3	1228.3	1230.2	1211.2	1176.9	1129.4	1093.3	1091.4	1076.2	1024.8
25°	1310.0	1306.2	1298.6	1306.2	1296.7	1256.8	1211.2	1175.0	1169.3	1148.4	1078.1
27.5°	1376.6	1376.6	1376.6	1380.4	1380.4	1351.9	1300.5	1262.5	1266.3	1237.8	1140.8
30°	1424.1	1424.1	1441.2	1448.8	1454.5	1445.0	1389.9	1349.9	1357.6	1323.3	1218.8
32.5°	1475.4	1473.5	1496.4	1513.5	1521.1	1524.9	1479.2	1446.9	1448.8	1418.4	1308.1
35°	1523.0	1519.2	1549.6	1585.7	1604.7	1600.9	1568.6	1557.2	1561.0	1551.5	1429.8
37.5°	1557.2	1562.9	1602.8	1650.4	1680.8	1688.4	1667.5	1688.4	1709.3	1722.6	1587.6
40°	1595.2	1595.2	1633.2	1684.6	1732.1	1760.6	1775.8	1851.9	1869.0	1878.5	1680.8
42.5°	1557.2	1570.5	1650.4	1724.5	1787.3	1831.0	1893.7	2021.1	2040.1	1981.2	1804.4
45°	1524.9	1536.3	1616.1	1741.6	1832.9	1918.4	2032.5	2165.6	2184.6	2083.9	1874.7
47.5°	1492.5	1505.9	1589.5	1728.3	1874.7	2015.4	2144.7	2289.2	2298.7	2173.2	1967.9
50°	1456.4	1469.7	1557.2	1711.2	1899.4	2120.0	2255.0	2403.3	2405.2	2251.2	2015.4
52.5°	1410.8	1427.9	1515.4	1686.5	1920.4	2190.3	2353.9	2486.9	2475.5	2346.3	2072.5
55°	1353.8	1372.8	1469.7	1654.2	1931.8	2236.0	2418.5	2568.7	2561.1	2456.5	2146.6
57.5°	1289.1	1310.0	1410.8	1604.7	1928.0	2258.8	2485.0	2703.7	2707.5	2547.8	2201.7
60°	1215.0	1234.0	1329.0	1540.1	1878.5	2300.6	2627.6	2852.0	2865.3	2648.6	2224.6
62.5°	1118.0	1135.1	1226.4	1445.0	1815.8	2331.0	2736.0	2992.7	2987.0	2717.0	2232.2
65°	996.3	1015.3	1100.9	1319.5	1716.9	2312.0	2770.2	3059.3	3059.3	2766.4	2226.5
67.5°	872.7	889.8	962.1	1159.8	1557.2	2217.0	2749.3	3085.9	3103.0	2798.8	2175.1
70°	707.3	716.8	789.1	952.6	1334.7	2038.2	2696.1	3112.5	3110.6	2762.6	2078.2
72.5°	519.1	530.5	589.4	714.9	1032.4	1764.4	2528.8	2950.9	2920.5	2568.7	1889.9
75°	268.1	279.5	325.1	448.7	657.9	1245.4	2156.1	2606.7	2601.0	2274.0	1564.8
77.5°	36.1	36.1	41.8	74.2	152.1	496.2	1412.7	1952.7	1941.3	1734.0	1137.0
80°	24.7	24.7	28.5	34.2	43.7	108.4	498.2	990.6	1007.7	893.6	509.6
82.5°	19.0	17.1	20.9	24.7	26.6	49.4	152.1	273.8	277.6	249.1	155.9
85°	11.4	11.4	11.4	11.4	9.5	13.3	34.2	45.6	51.3	49.4	39.9
87.5°	5.7	5.7	5.7	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0	886.0
2.5°	886.0	891.7	899.3	908.8	918.3	926.0	933.6	937.4	941.2	943.1	945.0
5°	901.2	908.8	918.3	931.7	931.7	926.0	922.1	922.1	926.0	931.7	933.6
7.5°	916.4	924.0	920.2	918.3	920.2	912.6	903.1	897.4	893.6	893.6	897.4
10°	922.1	914.5	910.7	901.2	882.2	878.4	870.8	855.6	851.8	855.6	842.3
12.5°	918.3	912.6	893.6	878.4	859.4	827.1	808.1	808.1	798.6	796.7	798.6
15°	927.9	908.8	886.0	853.7	819.5	792.9	762.4	735.8	728.2	730.1	730.1
17.5°	935.5	916.4	870.8	821.4	791.0	743.4	709.2	694.0	680.7	678.8	678.8
20°	952.6	926.0	861.3	808.1	732.0	695.9	657.9	638.8	617.9	589.4	579.9
22.5°	979.2	943.1	855.6	771.9	705.4	648.4	593.2	536.2	502.0	479.1	484.8
25°	1015.3	975.4	861.3	758.6	665.5	593.2	521.0	443.0	391.7	376.5	386.0
27.5°	1080.0	1011.5	878.4	739.6	636.9	528.6	420.2	351.7	304.2	289.0	294.7
30°	1138.9	1066.7	880.3	728.2	591.3	452.5	330.8	254.8	216.8	193.9	188.2
32.5°	1245.4	1125.6	927.9	713.0	543.8	368.9	243.4	169.2	135.0	121.7	117.9
35°	1349.9	1230.2	941.2	684.5	456.3	273.8	150.2	100.8	81.8	72.3	70.3
37.5°	1494.5	1357.6	996.3	654.1	368.9	167.3	91.3	60.8	57.0	55.1	55.1
40°	1566.7	1424.1	1041.9	610.3	258.6	95.1	58.9	53.2	51.3	49.4	49.4
42.5°	1669.4	1500.2	1080.0	532.4	152.1	62.7	53.2	49.4	47.5	45.6	45.6
45°	1726.4	1540.1	1070.5	437.3	76.1	58.9	51.3	47.5	43.7	43.7	43.7
47.5°	1802.5	1599.0	1045.7	323.2	68.4	57.0	49.4	45.6	43.7	45.6	43.7
50°	1874.7	1656.1	977.3	256.7	66.5	55.1	49.4	43.7	43.7	43.7	43.7
52.5°	1914.6	1709.3	891.7	188.2	68.4	55.1	47.5	43.7	43.7	41.8	43.7
55°	1952.7	1716.9	823.3	136.9	68.4	53.2	45.6	41.8	39.9	38.0	38.0
57.5°	1979.3	1699.8	768.1	114.1	68.4	53.2	43.7	39.9	34.2	32.3	32.3
60°	1971.7	1658.0	722.5	104.6	64.6	49.4	39.9	34.2	30.4	26.6	26.6
62.5°	1950.8	1633.2	638.8	91.3	58.9	45.6	36.1	28.5	24.7	22.8	22.8
65°	1931.8	1555.3	541.9	81.8	55.1	39.9	30.4	24.7	20.9	19.0	19.0
67.5°	1840.5	1452.6	403.1	70.3	49.4	36.1	26.6	22.8	19.0	17.1	15.2
70°	1705.5	1287.2	264.3	60.8	43.7	30.4	22.8	19.0	15.2	13.3	13.3
72.5°	1475.4	1062.8	136.9	49.4	36.1	26.6	20.9	17.1	13.3	11.4	11.4
75°	1197.8	781.4	81.8	38.0	28.5	22.8	17.1	13.3	11.4	9.5	9.5
77.5°	829.0	431.6	58.9	28.5	19.0	17.1	13.3	11.4	9.5	7.6	7.6
80°	279.5	117.9	41.8	20.9	13.3	13.3	9.5	7.6	7.6	5.7	5.7
82.5°	110.3	72.3	28.5	15.2	11.4	9.5	7.6	5.7	5.7	5.7	5.7
85°	30.4	20.9	11.4	7.6	5.7	5.7	5.7	3.8	3.8	3.8	3.8
87.5°	1.9	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9
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)