

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: P690926

Luminaire Tested: **CRTK2-C01-D-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8140 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

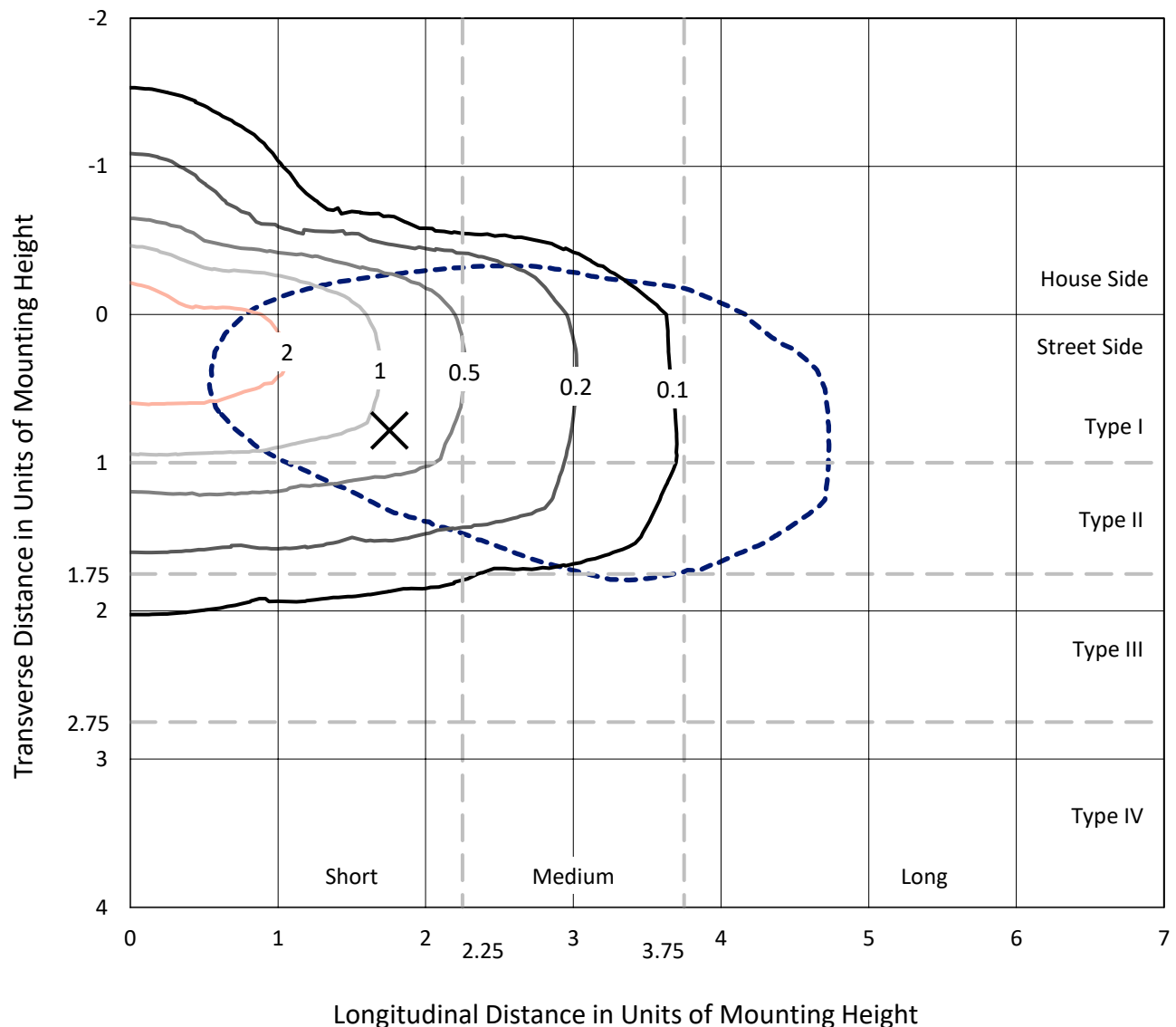
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

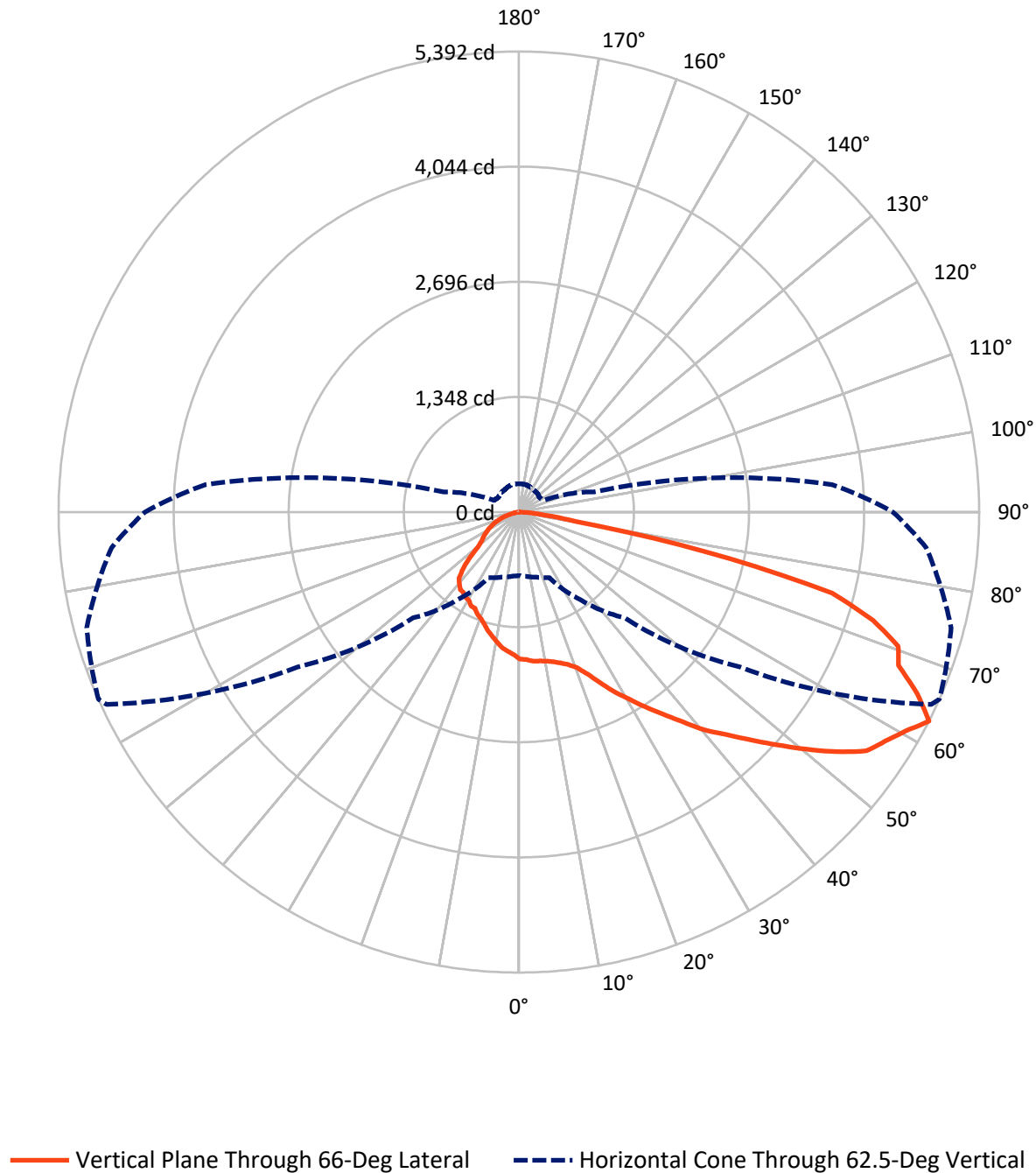
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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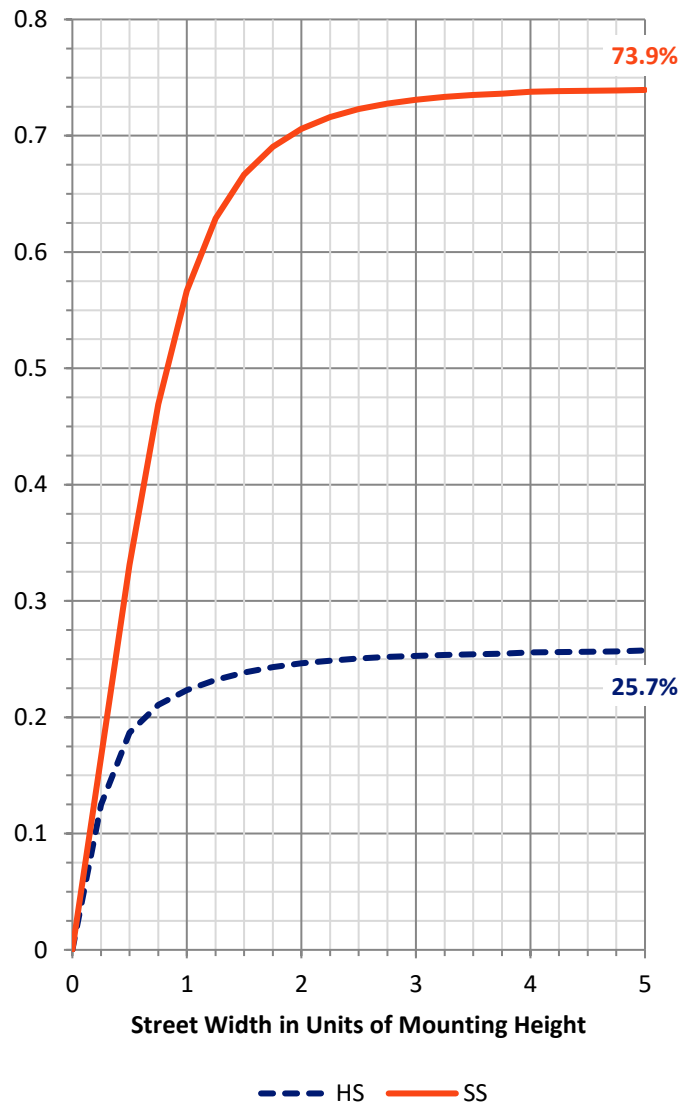
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2127.0	0.0	2127.0
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6013.0	0.0	6013.0
	% Fixture	73.9	0.0	73.9
Total	Lumens	8140.0	0.0	8140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	2.0
10°-20°	457.1	5.6
20°-30°	742.3	9.1
30°-40°	1070.5	13.2
40°-50°	1392.5	17.1
50°-60°	1617.4	19.9
60°-70°	1600.2	19.7
70°-80°	991.2	12.2
80°-90°	107.6	1.3
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°	8140.0	100.0
0°-180°	8140.0	100.0

Coefficient of Utilization



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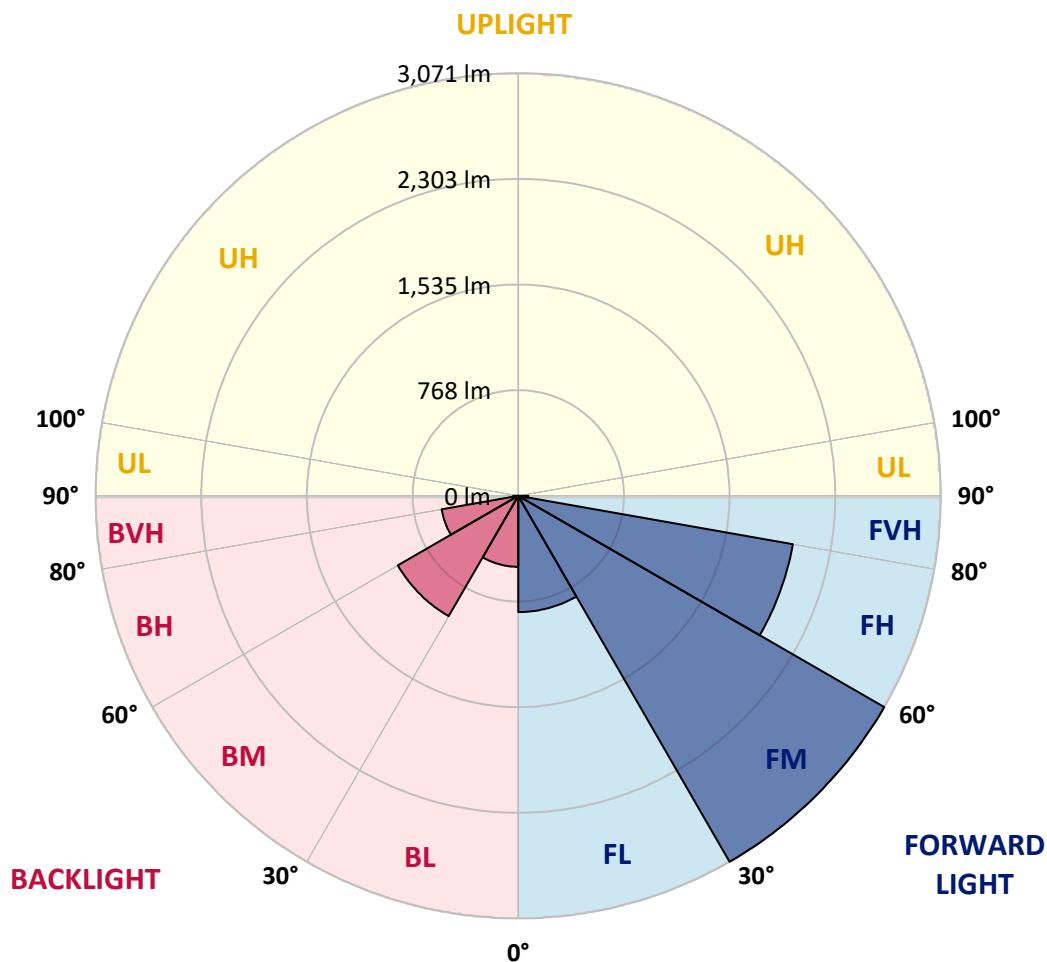
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	844.5	10.4			
FM	(30°-60°)	3070.5	37.7			
FH	(60°-80°)	2025.8	24.9			G2/5000
FVH	(80°-90°)	72.2	0.9			G1/100
BL	(0°-30°)	515.9	6.3	B2/1000		
BM	(30°-60°)	1009.9	12.4	B2/2500		
BH	(60°-80°)	565.7	6.9	B2/1000		G2/1000
BVH	(80°-90°)	35.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8
2.5°	1783.4	1783.4	1789.0	1769.4	1758.2	1749.8	1741.4	1733.0	1730.2	1721.8	1710.6
5°	1861.8	1861.8	1864.6	1845.0	1822.6	1797.4	1772.2	1755.4	1755.4	1735.8	1707.8
7.5°	1903.8	1903.8	1903.8	1881.4	1867.4	1850.6	1811.4	1763.8	1761.0	1741.4	1702.2
10°	1903.8	1903.8	1915.0	1881.4	1870.2	1853.4	1831.0	1780.6	1775.0	1730.2	1677.0
12.5°	1937.4	1943.0	1937.4	1901.0	1889.8	1875.8	1845.0	1803.0	1800.2	1741.4	1665.8
15°	1985.0	1987.8	1979.4	1954.2	1943.0	1920.6	1884.2	1839.4	1833.8	1763.8	1674.2
17.5°	1996.2	1999.0	2004.6	1973.8	1973.8	1965.4	1945.8	1892.6	1878.6	1817.0	1699.4
20°	1990.6	1993.4	2001.8	1996.2	1999.0	1993.4	2007.4	1962.6	1945.8	1878.6	1738.6
22.5°	2015.8	2021.4	2038.2	2041.0	2052.2	2063.4	2069.0	2071.8	2060.6	1982.2	1819.8
25°	2024.2	2041.0	2063.4	2094.2	2133.4	2155.8	2186.6	2217.4	2214.6	2136.2	1954.2
27.5°	1985.0	2004.6	2074.6	2122.2	2209.0	2270.5	2340.5	2382.5	2382.5	2318.1	2108.2
30°	2021.4	2029.8	2066.2	2133.4	2234.2	2374.1	2483.3	2536.5	2542.1	2500.1	2259.3
32.5°	1945.8	1965.4	2055.0	2183.8	2337.7	2491.7	2600.9	2715.7	2721.3	2707.3	2480.5
35°	1937.4	1948.6	1999.0	2136.2	2334.9	2600.9	2746.5	2892.1	2906.1	2922.9	2696.1
37.5°	1850.6	1873.0	1971.0	2141.8	2413.3	2673.7	2869.7	3093.7	3116.1	3169.2	2880.9
40°	1758.2	1775.0	1856.2	2041.0	2388.1	2766.1	2990.1	3331.6	3359.6	3404.4	3135.7
42.5°	1632.2	1665.8	1805.8	1999.0	2376.9	2794.1	3124.5	3550.0	3561.2	3639.6	3337.2
45°	1514.6	1525.8	1632.2	1853.4	2278.9	2836.1	3225.2	3796.4	3804.8	3855.2	3505.2
47.5°	1419.4	1433.4	1542.6	1730.2	2189.4	2824.9	3326.0	4034.4	4073.5	4129.5	3709.6
50°	1125.5	1156.3	1444.6	1623.8	2035.4	2805.3	3407.2	4319.9	4364.7	4417.9	3928.0
52.5°	971.5	985.5	1131.1	1517.4	1884.2	2721.3	3482.8	4611.1	4664.3	4636.3	4205.1
55°	904.3	912.7	979.9	1307.5	1749.8	2561.7	3538.8	4882.7	4938.7	4804.3	4423.5
57.5°	856.7	867.9	907.1	1069.5	1598.6	2281.7	3544.4	5042.2	5061.8	4944.2	4513.1
60°	792.3	800.7	856.7	935.1	1422.2	1987.8	3443.6	5112.2	5204.6	5092.6	4714.7
62.5°	744.7	753.1	789.5	848.3	1251.5	1752.6	3163.6	5330.6	5392.2	5241.0	4790.3
65°	688.7	688.7	725.1	783.9	1142.3	1609.8	3018.1	5260.6	5126.2	5199.0	4882.7
67.5°	607.5	613.1	649.5	697.1	957.5	1472.6	2659.7	4935.9	4795.9	4997.4	4639.1
70°	540.3	534.7	573.9	610.3	783.9	1299.1	2203.4	4599.9	4714.7	4692.3	4415.1
72.5°	450.7	445.2	478.7	517.9	632.7	1077.9	1741.4	4269.5	4336.7	4196.7	3916.8
75°	350.0	316.4	364.0	414.4	498.3	853.9	1234.7	3536.0	3788.0	3956.0	3340.0
77.5°	56.0	56.0	70.0	98.0	162.4	434.0	551.5	1943.0	2228.6	3368.0	2928.5
80°	44.8	44.8	50.4	67.2	98.0	238.0	184.8	601.9	671.9	1453.0	1685.4
82.5°	25.2	25.2	36.4	44.8	61.6	72.8	81.2	294.0	327.6	515.1	652.3
85°	14.0	14.0	19.6	22.4	25.2	25.2	25.2	134.4	151.2	274.4	296.8
87.5°	8.4	8.4	8.4	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8
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°	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8	1721.8
2.5°	1705.0	1696.6	1682.6	1671.4	1663.0	1654.6	1640.6	1632.2	1632.2	1646.2	1649.0
5°	1691.0	1671.4	1646.2	1635.0	1621.0	1607.0	1584.6	1573.4	1570.6	1579.0	1584.6
7.5°	1679.8	1651.8	1626.6	1598.6	1556.6	1520.2	1500.6	1486.6	1492.2	1506.2	1500.6
10°	1646.2	1621.0	1581.8	1539.8	1489.4	1458.6	1427.8	1411.0	1413.8	1422.2	1413.8
12.5°	1632.2	1598.6	1534.2	1483.8	1439.0	1380.2	1341.1	1315.9	1315.9	1329.9	1329.9
15°	1632.2	1581.8	1495.0	1433.4	1363.4	1304.7	1259.9	1237.5	1251.5	1243.1	1237.5
17.5°	1646.2	1567.8	1469.8	1366.2	1282.3	1223.5	1170.3	1139.5	1147.9	1153.5	1147.9
20°	1663.0	1567.8	1439.0	1313.1	1215.1	1131.1	1072.3	1038.7	1035.9	1038.7	1044.3
22.5°	1719.0	1604.2	1419.4	1279.5	1131.1	1049.9	991.1	932.3	929.5	926.7	932.3
25°	1814.2	1671.4	1433.4	1217.9	1083.5	963.1	890.3	839.9	823.1	820.3	825.9
27.5°	1971.0	1789.0	1455.8	1209.5	996.7	887.5	797.9	741.9	725.1	730.7	727.9
30°	2141.8	1940.2	1520.2	1150.7	946.3	775.5	691.5	643.9	627.1	615.9	618.7
32.5°	2267.7	2091.4	1601.4	1131.1	848.3	655.1	593.5	565.5	545.9	531.9	529.1
35°	2466.5	2220.2	1674.2	1086.3	761.5	576.7	526.3	495.5	484.3	475.9	475.9
37.5°	2656.9	2376.9	1747.0	1072.3	649.5	523.5	461.9	442.4	436.8	431.2	431.2
40°	2847.3	2536.5	1789.0	1016.3	559.9	459.1	400.4	397.6	406.0	400.4	403.2
42.5°	3082.5	2701.7	1831.0	963.1	495.5	392.0	358.4	380.8	397.6	400.4	400.4
45°	3244.8	2813.7	1847.8	834.3	428.4	341.6	350.0	375.2	394.8	403.2	400.4
47.5°	3393.2	2964.9	1822.6	677.5	372.4	333.2	347.2	364.0	392.0	403.2	403.2
50°	3538.8	3090.9	1800.2	501.1	352.8	336.0	347.2	355.6	386.4	397.6	397.6
52.5°	3743.2	3191.6	1724.6	420.0	336.0	338.8	355.6	352.8	378.0	394.8	400.4
55°	4026.0	3426.8	1579.0	397.6	333.2	336.0	355.6	355.6	372.4	386.4	394.8
57.5°	4151.9	3527.6	1332.7	375.2	324.8	333.2	347.2	350.0	369.6	378.0	375.2
60°	4294.7	3653.6	1091.9	350.0	310.8	327.6	333.2	344.4	358.4	358.4	355.6
62.5°	4381.5	3684.4	909.9	322.0	294.0	308.0	308.0	319.2	330.4	330.4	330.4
65°	4423.5	3653.6	680.3	296.8	274.4	285.6	282.8	288.4	296.8	282.8	282.8
67.5°	4258.3	3538.8	470.3	263.2	252.0	263.2	260.4	263.2	260.4	249.2	252.0
70°	3975.6	3216.8	324.8	224.0	221.2	240.8	243.6	238.0	221.2	212.8	212.8
72.5°	3620.0	2581.3	224.0	179.2	187.6	212.8	218.4	207.2	190.4	182.0	182.0
75°	3284.0	2231.4	159.6	123.2	126.0	162.4	173.6	173.6	168.0	224.0	238.0
77.5°	2284.5	1444.6	92.4	64.4	61.6	92.4	106.4	109.2	210.0	226.8	221.2
80°	1355.0	680.3	67.2	39.2	39.2	53.2	72.8	142.8	240.8	162.4	145.6
82.5°	517.9	260.4	42.0	25.2	22.4	28.0	42.0	221.2	140.0	92.4	84.0
85°	187.6	64.4	19.6	14.0	14.0	16.8	25.2	187.6	98.0	70.0	67.2
87.5°	2.8	2.8	5.6	5.6	5.6	2.8	2.8	5.6	5.6	5.6	2.8
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)