

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: P691786

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9551 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 74.9
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

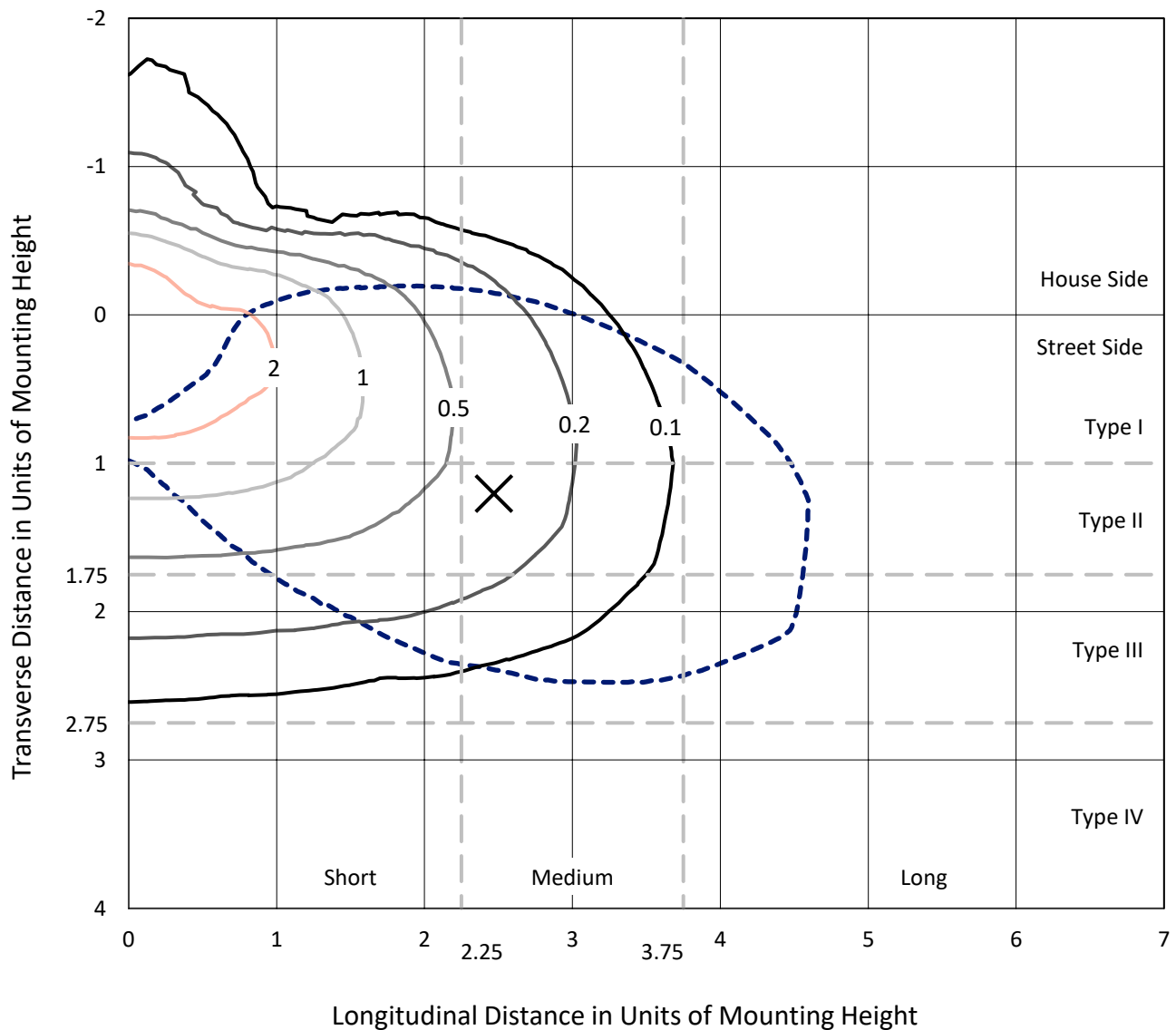


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Iso-Footcandle Lines of Horizontal Illumination

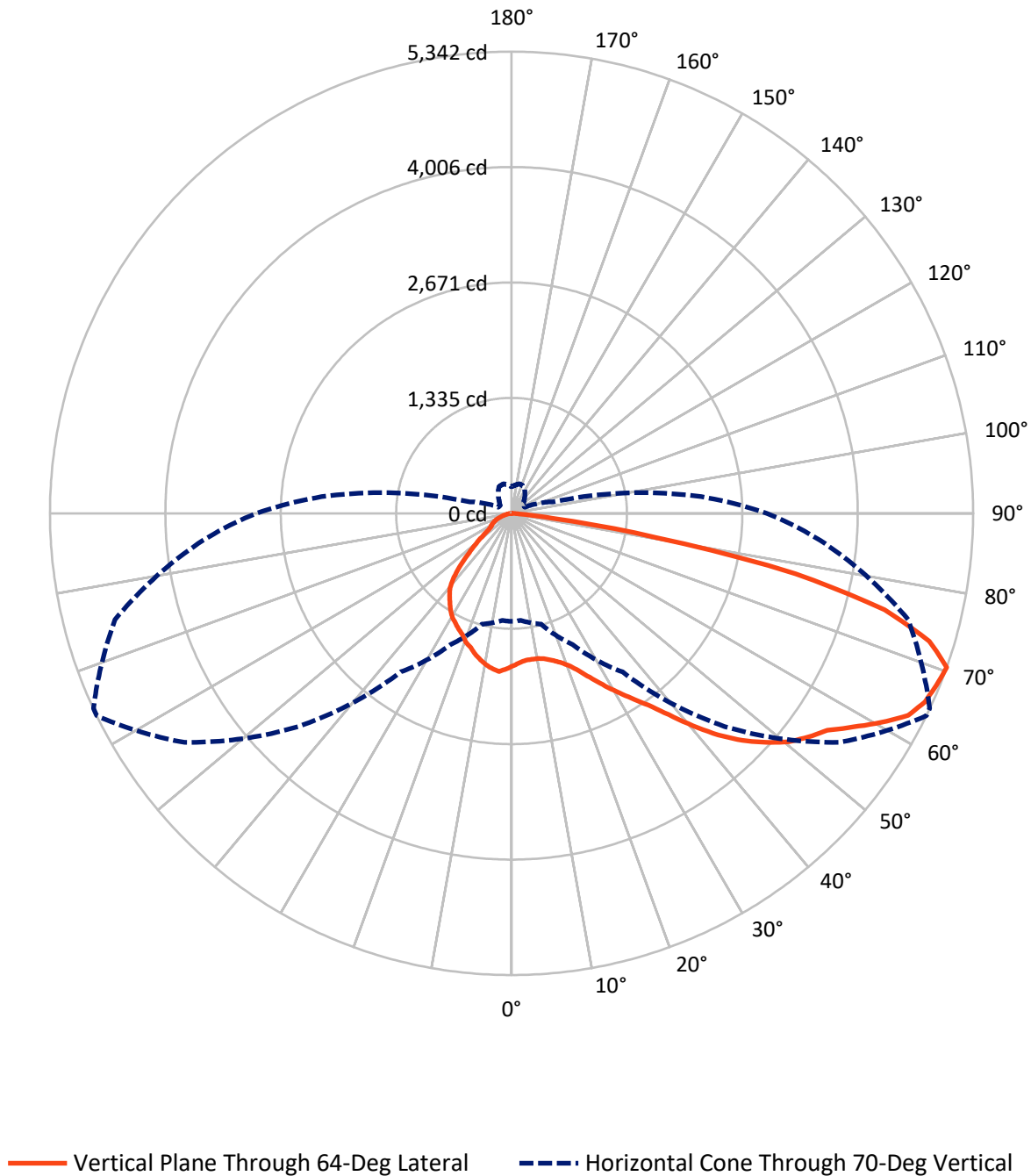
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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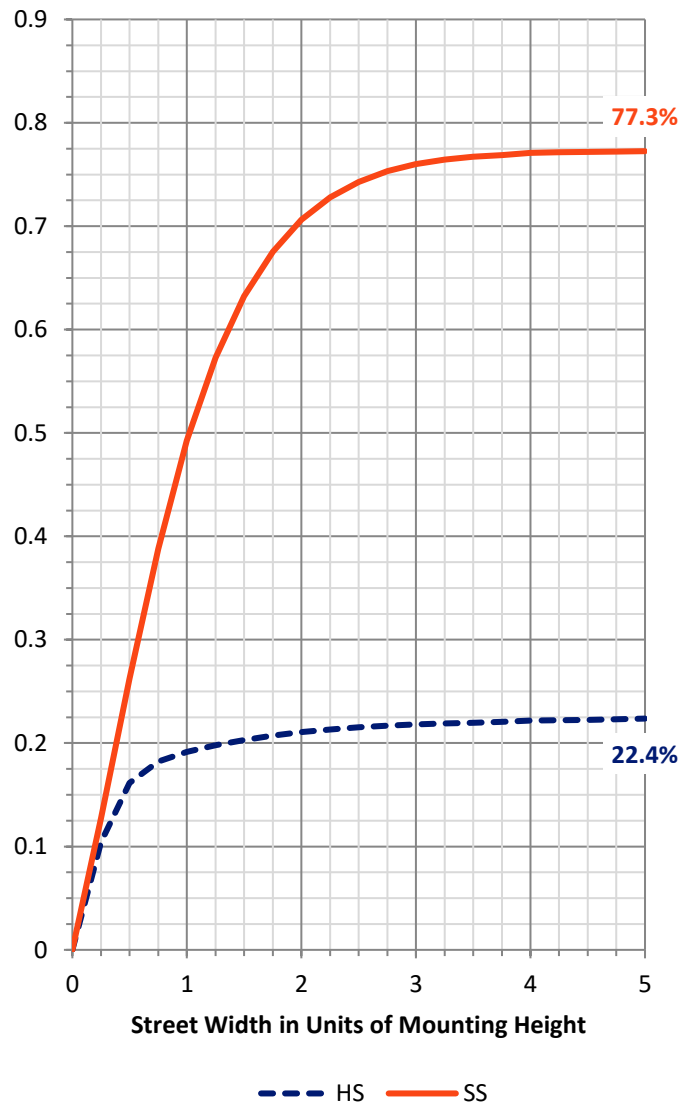
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2169.7	0.0	2169.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	7381.3	0.0	7381.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	9551.0	0.0	9551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	1.8
10°-20°	498.1	5.2
20°-30°	826.8	8.7
30°-40°	1182.6	12.4
40°-50°	1579.3	16.5
50°-60°	1908.5	20.0
60°-70°	2031.2	21.3
70°-80°	1247.8	13.1
80°-90°	106.8	1.1
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°	9551.0	100.0
0°-180°	9551.0	100.0

Coefficient of Utilization



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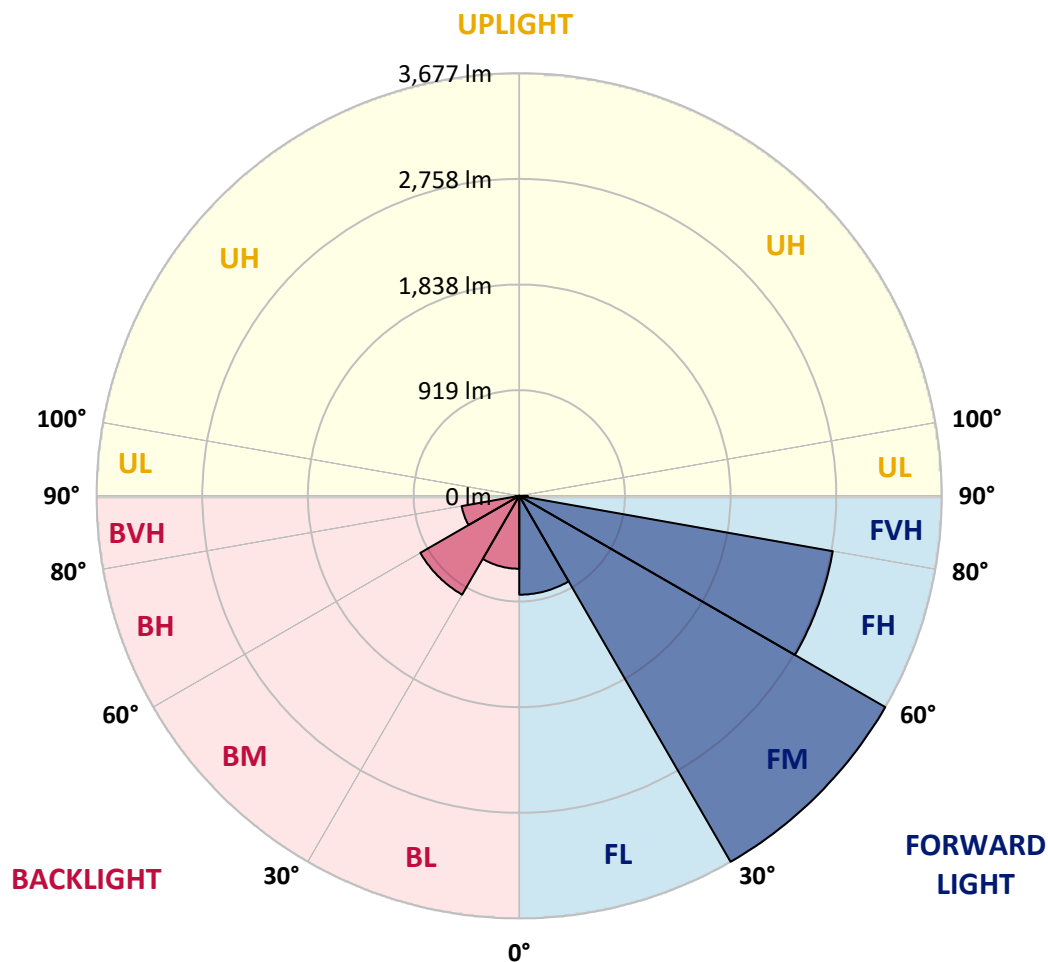
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	860.0	9.0			
FM	(30°-60°)	3677.0	38.5			
FH	(60°-80°)	2770.1	29.0			G2/5000
FVH	(80°-90°)	74.2	0.8			G1/100
BL	(0°-30°)	634.8	6.6	B2/1000		
BM	(30°-60°)	993.4	10.4	B1/1000		
BH	(60°-80°)	508.8	5.3	B2/1000		G2/1000
BVH	(80°-90°)	32.6	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5
2.5°	1724.3	1724.3	1724.3	1724.3	1727.5	1730.8	1727.5	1730.8	1730.8	1737.3	1747.0
5°	1753.5	1753.5	1747.0	1734.0	1724.3	1711.3	1704.8	1708.0	1708.0	1724.3	1750.2
7.5°	1763.2	1763.2	1756.7	1756.7	1747.0	1717.8	1708.0	1704.8	1708.0	1714.5	1750.2
10°	1811.9	1808.7	1792.5	1773.0	1760.0	1734.0	1711.3	1708.0	1711.3	1721.0	1760.0
12.5°	1863.9	1863.9	1857.4	1841.2	1805.4	1779.5	1740.5	1727.5	1724.3	1734.0	1756.7
15°	1967.8	1954.8	1928.8	1906.1	1880.1	1837.9	1786.0	1763.2	1756.7	1769.7	1760.0
17.5°	2029.5	2019.8	2023.0	1987.3	1964.6	1906.1	1854.2	1811.9	1808.7	1821.7	1779.5
20°	2097.7	2094.4	2100.9	2097.7	2062.0	2010.0	1928.8	1876.9	1870.4	1873.6	1808.7
22.5°	2201.6	2201.6	2198.4	2198.4	2178.9	2117.2	2026.3	1974.3	1964.6	1941.8	1857.4
25°	2315.3	2315.3	2315.3	2321.8	2321.8	2250.3	2159.4	2100.9	2094.4	2062.0	1938.6
27.5°	2422.4	2428.9	2432.2	2435.4	2445.1	2412.7	2312.0	2243.8	2240.6	2198.4	2045.7
30°	2506.8	2510.1	2539.3	2545.8	2565.3	2555.6	2458.1	2393.2	2399.7	2344.5	2165.9
32.5°	2581.5	2584.8	2627.0	2649.7	2672.5	2675.7	2594.5	2549.1	2549.1	2500.3	2312.0
35°	2653.0	2656.2	2708.2	2763.4	2808.8	2795.8	2750.4	2724.4	2734.1	2717.9	2513.3
37.5°	2714.7	2727.7	2795.8	2877.0	2929.0	2938.7	2919.2	2955.0	2974.4	3000.4	2786.1
40°	2773.1	2779.6	2844.6	2929.0	3016.7	3062.1	3084.8	3231.0	3250.5	3269.9	2942.0
42.5°	2717.9	2730.9	2870.5	2997.2	3107.6	3185.5	3292.7	3507.0	3549.2	3442.0	3153.0
45°	2653.0	2669.2	2808.8	3023.1	3179.0	3321.9	3520.0	3747.3	3779.7	3617.4	3266.7
47.5°	2597.8	2617.2	2760.1	3000.4	3253.7	3507.0	3705.1	3961.6	3981.1	3766.8	3422.6
50°	2536.1	2552.3	2704.9	2971.2	3292.7	3675.8	3899.9	4156.4	4162.9	3890.2	3503.7
52.5°	2454.9	2471.1	2627.0	2925.7	3321.9	3789.5	4062.3	4299.3	4273.3	4049.3	3597.9
55°	2351.0	2373.7	2542.6	2864.0	3338.1	3857.7	4172.7	4432.4	4419.4	4237.6	3721.3
57.5°	2240.6	2263.3	2435.4	2779.6	3321.9	3899.9	4286.3	4663.0	4659.7	4390.2	3812.2
60°	2117.2	2136.7	2282.8	2669.2	3234.2	3968.1	4536.3	4913.0	4939.0	4562.3	3847.9
62.5°	1954.8	1958.1	2104.2	2510.1	3120.6	4016.8	4714.9	5150.1	5133.8	4676.0	3854.4
65°	1740.5	1750.2	1880.1	2289.3	2935.5	3977.8	4760.4	5257.2	5257.2	4760.4	3847.9
67.5°	1532.7	1529.4	1639.8	2013.3	2649.7	3805.7	4721.4	5302.7	5325.4	4815.6	3763.5
70°	1250.2	1243.7	1328.1	1675.6	2240.6	3487.5	4620.8	5341.7	5338.4	4750.7	3584.9
72.5°	925.5	922.2	980.7	1269.7	1714.5	2984.2	4322.0	5055.9	5023.4	4438.9	3237.5
75°	513.1	487.1	483.8	785.8	996.9	2091.2	3672.6	4458.4	4471.4	3922.6	2711.4
77.5°	74.7	77.9	81.2	142.9	172.1	782.6	2386.7	3360.9	3354.4	3026.4	1977.5
80°	52.0	55.2	58.4	71.4	81.2	185.1	824.8	1695.0	1792.5	1591.1	912.5
82.5°	39.0	39.0	42.2	48.7	45.5	84.4	256.5	470.8	487.1	441.6	269.5
85°	26.0	26.0	22.7	26.0	16.2	22.7	58.4	87.7	94.2	90.9	74.7
87.5°	13.0	13.0	9.7	9.7	6.5	6.5	6.5	3.2	6.5	3.2	6.5
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°	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5	1766.5
2.5°	1756.7	1763.2	1782.7	1799.0	1818.4	1841.2	1854.2	1867.1	1880.1	1873.6	1883.4
5°	1763.2	1776.2	1805.4	1834.7	1850.9	1854.2	1857.4	1867.1	1886.6	1886.6	1902.9
7.5°	1769.7	1792.5	1792.5	1808.7	1831.4	1837.9	1841.2	1847.7	1857.4	1860.6	1857.4
10°	1769.7	1760.0	1776.2	1779.5	1769.7	1786.0	1795.7	1792.5	1802.2	1805.4	1805.4
12.5°	1750.2	1747.0	1734.0	1734.0	1730.8	1704.8	1704.8	1730.8	1730.8	1747.0	1750.2
15°	1750.2	1724.3	1708.0	1685.3	1662.6	1652.8	1639.8	1620.4	1626.9	1649.6	1656.1
17.5°	1747.0	1717.8	1669.1	1623.6	1607.4	1568.4	1555.4	1555.4	1552.2	1565.2	1568.4
20°	1760.0	1717.8	1643.1	1591.1	1503.5	1490.5	1464.5	1467.7	1471.0	1451.5	1441.8
22.5°	1795.7	1743.8	1623.6	1522.9	1454.7	1396.3	1347.6	1315.1	1311.9	1302.1	1311.9
25°	1850.9	1789.2	1626.9	1484.0	1373.6	1289.1	1256.7	1178.7	1143.0	1146.3	1165.7
27.5°	1951.6	1844.4	1643.1	1441.8	1308.6	1188.5	1084.6	1035.9	996.9	996.9	1003.4
30°	2045.7	1928.8	1636.6	1406.0	1208.0	1058.6	925.5	847.5	834.5	821.5	818.3
32.5°	2221.1	2036.0	1701.5	1354.1	1113.8	893.0	759.8	652.7	662.4	665.7	672.2
35°	2396.4	2208.1	1714.5	1289.1	977.4	727.4	587.7	529.3	555.3	561.8	568.3
37.5°	2630.2	2422.4	1802.2	1230.7	837.8	558.5	467.6	441.6	467.6	467.6	470.8
40°	2756.9	2523.1	1873.6	1172.2	655.9	412.4	366.9	347.5	379.9	405.9	412.4
42.5°	2935.5	2653.0	1938.6	1055.3	464.4	308.5	282.5	321.5	373.4	399.4	402.7
45°	3026.4	2717.9	1915.9	899.5	305.2	250.0	276.0	324.7	376.7	402.7	405.9
47.5°	3149.8	2808.8	1870.4	717.6	243.5	246.8	279.3	334.5	386.4	409.1	412.4
50°	3269.9	2903.0	1753.5	571.5	233.8	246.8	285.8	337.7	383.2	399.4	396.2
52.5°	3338.1	2990.7	1604.1	435.1	233.8	250.0	292.2	344.2	379.9	383.2	383.2
55°	3399.8	3000.4	1480.7	337.7	230.6	253.3	298.7	350.7	383.2	383.2	376.7
57.5°	3438.8	2961.5	1386.6	292.2	230.6	253.3	298.7	350.7	399.4	409.1	399.4
60°	3422.6	2886.8	1321.6	272.8	224.1	250.0	295.5	360.4	490.3	513.1	493.6
62.5°	3383.6	2844.6	1182.0	250.0	214.3	240.3	289.0	389.7	526.0	529.3	513.1
65°	3347.9	2704.9	1013.1	224.1	201.3	230.6	279.3	396.2	444.9	428.6	425.4
67.5°	3185.5	2523.1	772.8	198.1	181.8	217.6	269.5	363.7	396.2	376.7	370.2
70°	2955.0	2204.9	516.3	168.9	162.4	201.3	269.5	341.0	353.9	321.5	308.5
72.5°	2532.8	1824.9	282.5	136.4	136.4	185.1	243.5	318.2	328.0	289.0	266.3
75°	2062.0	1321.6	181.8	103.9	103.9	155.9	220.8	302.0	321.5	279.3	250.0
77.5°	1419.0	724.1	126.6	74.7	68.2	120.1	175.3	246.8	285.8	240.3	204.6
80°	480.6	191.6	81.2	48.7	42.2	68.2	116.9	191.6	259.8	246.8	220.8
82.5°	188.3	120.1	55.2	32.5	29.2	32.5	58.4	120.1	207.8	224.1	259.8
85°	55.2	32.5	19.5	16.2	16.2	16.2	16.2	48.7	123.4	162.4	204.6
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	29.2	52.0	68.2
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)