

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: P691785

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691785
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-C01H-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: 8863 lumens
Efficiency: N/A
Efficacy: 118.3 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

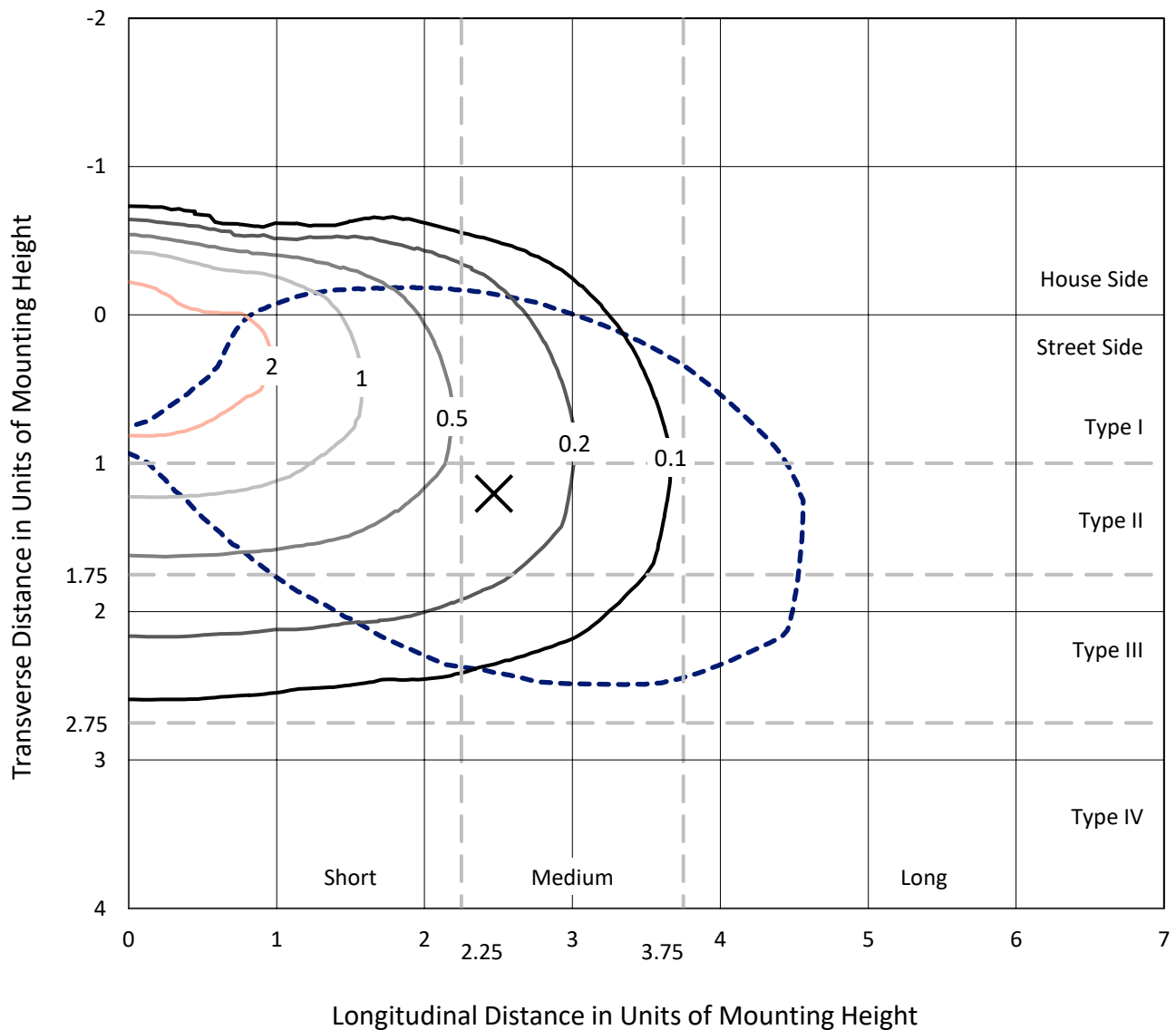


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

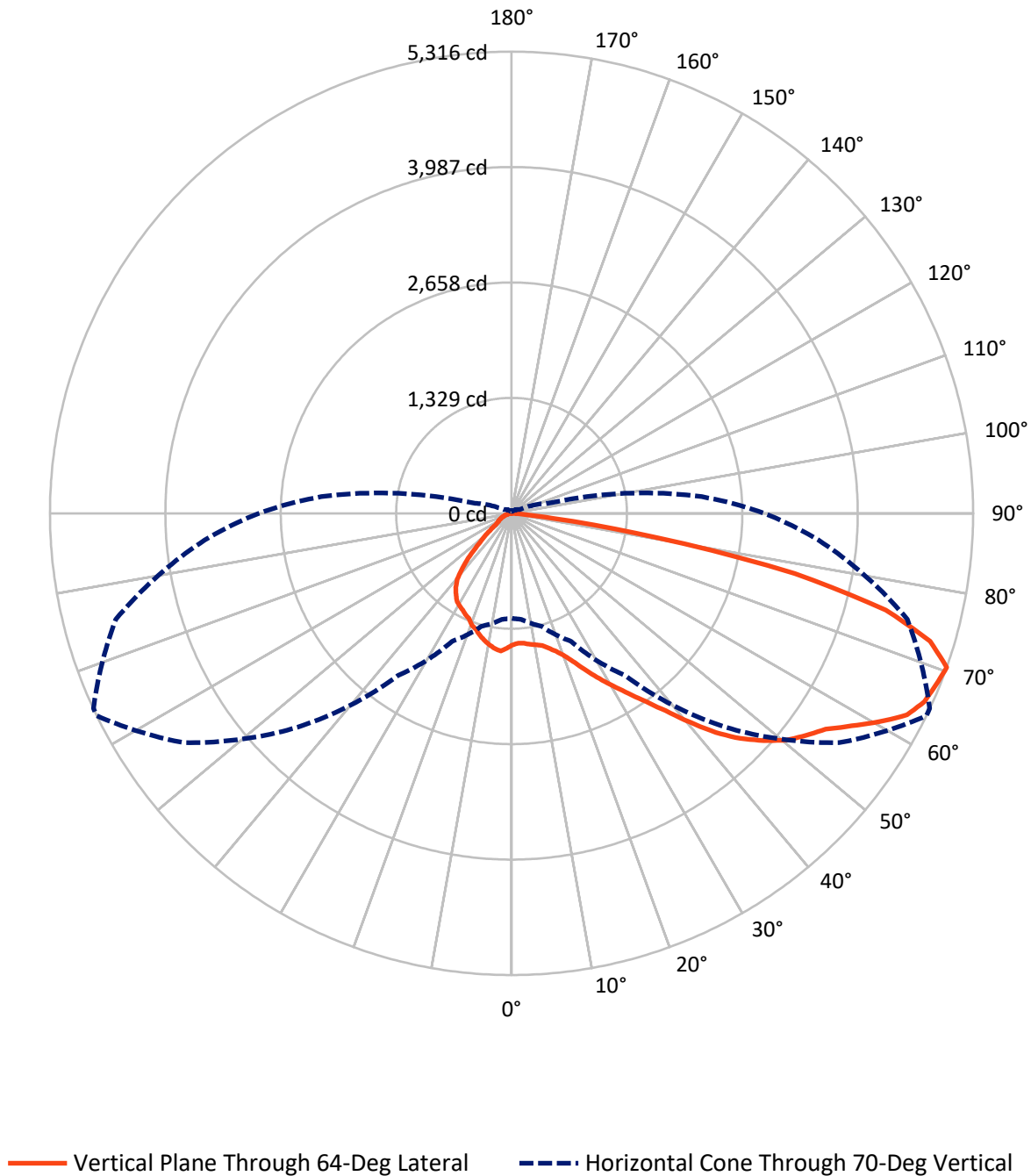


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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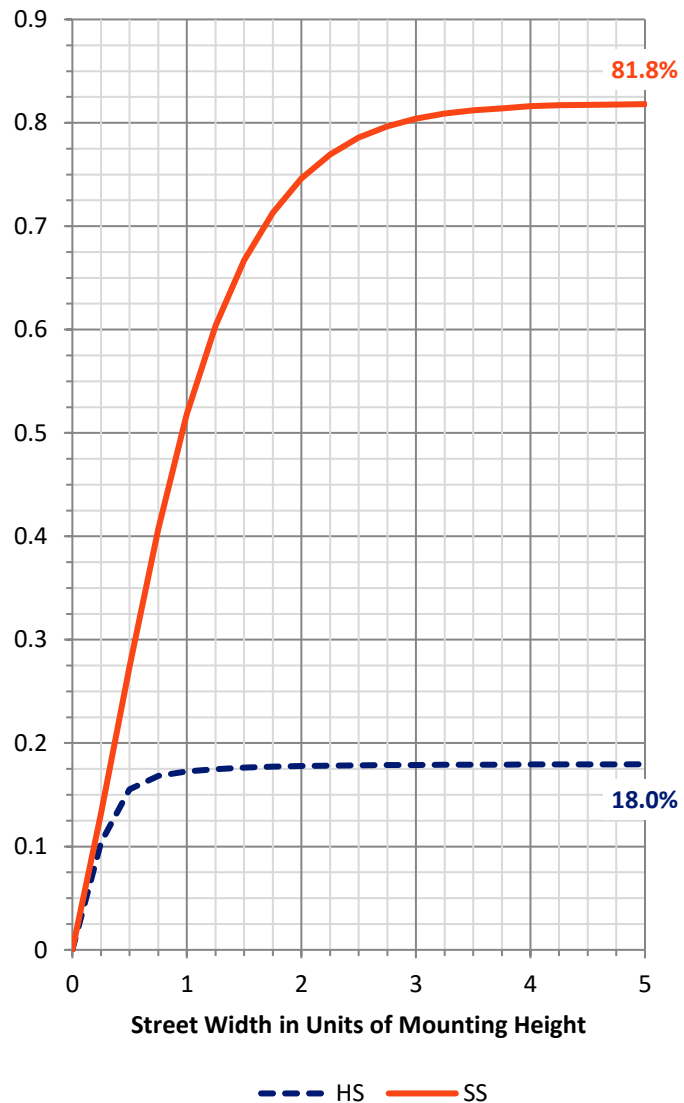
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1610.8	0.0	1610.8
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	7252.2	0.0	7252.2
	% Fixture	81.8	0.0	81.8
Total	Lumens	8863.0	0.0	8863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	1.7
10°-20°	436.3	4.9
20°-30°	735.1	8.3
30°-40°	1081.8	12.2
40°-50°	1483.6	16.7
50°-60°	1805.2	20.4
60°-70°	1916.6	21.6
70°-80°	1174.9	13.3
80°-90°	82.0	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°	8863.0	100.0
0°-180°	8863.0	100.0

Coefficient of Utilization



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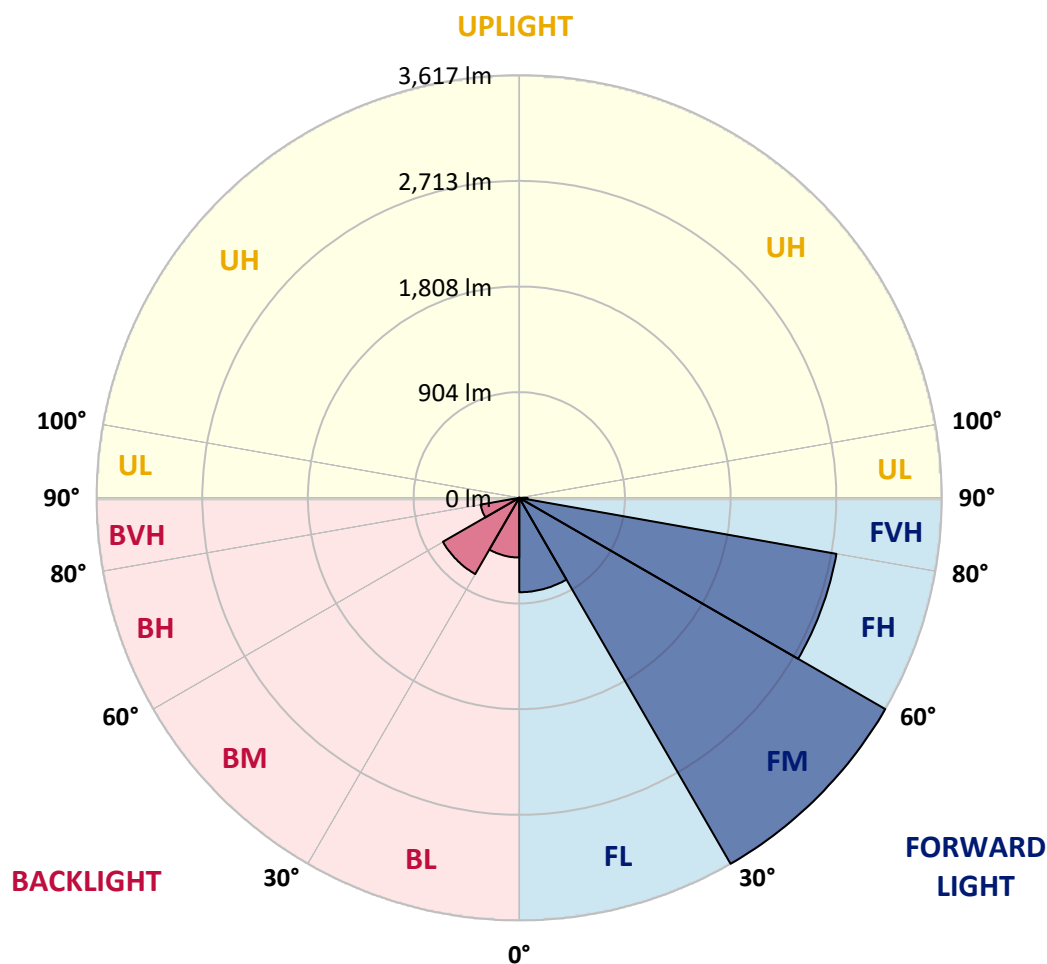
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	807.9	9.1			
FM	(30°-60°)	3616.7	40.8			
FH	(60°-80°)	2756.1	31.1			G2/5000
FVH	(80°-90°)	71.5	0.8			G1/100
BL	(0°-30°)	511.0	5.8	B2/1000		
BM	(30°-60°)	753.9	8.5	B1/1000		
BH	(60°-80°)	335.3	3.8	B1/500		G1/500
BVH	(80°-90°)	10.5	0.1			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°	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4
2.5°	1497.1	1497.1	1500.4	1497.1	1503.6	1493.9	1497.1	1497.1	1497.1	1500.4	1510.1
5°	1542.6	1542.6	1536.1	1526.3	1516.6	1503.6	1503.6	1503.6	1503.6	1510.1	1532.8
7.5°	1571.8	1568.6	1568.6	1568.6	1558.8	1532.8	1526.3	1523.1	1523.1	1523.1	1545.8
10°	1643.3	1633.5	1620.5	1601.0	1591.3	1568.6	1542.6	1539.3	1539.3	1542.6	1571.8
12.5°	1711.5	1701.7	1701.7	1688.7	1649.8	1623.8	1578.3	1562.1	1562.1	1568.6	1584.8
15°	1825.1	1815.4	1789.4	1766.7	1730.9	1685.5	1640.0	1607.5	1607.5	1620.5	1597.8
17.5°	1906.3	1890.1	1893.3	1857.6	1828.4	1763.4	1718.0	1672.5	1672.5	1685.5	1640.0
20°	1984.3	1984.3	1987.5	1984.3	1935.5	1883.6	1808.9	1756.9	1756.9	1760.2	1688.7
22.5°	2101.2	2097.9	2097.9	2101.2	2068.7	2010.2	1929.0	1867.3	1864.1	1838.1	1750.4
25°	2237.6	2231.1	2218.1	2231.1	2214.8	2146.6	2068.7	2007.0	1997.2	1961.5	1841.4
27.5°	2351.2	2351.2	2351.2	2357.7	2357.7	2309.0	2221.3	2156.4	2162.9	2114.2	1948.5
30°	2432.4	2432.4	2461.6	2474.6	2484.4	2468.1	2374.0	2305.8	2318.8	2260.3	2081.7
32.5°	2520.1	2516.9	2555.8	2585.1	2598.0	2604.5	2526.6	2471.4	2474.6	2422.7	2234.3
35°	2601.3	2594.8	2646.8	2708.5	2740.9	2734.4	2679.2	2659.7	2666.2	2650.0	2442.2
37.5°	2659.7	2669.5	2737.7	2818.9	2870.8	2883.8	2848.1	2883.8	2919.6	2942.3	2711.7
40°	2724.7	2724.7	2789.6	2877.3	2958.5	3007.2	3033.2	3163.1	3192.3	3208.6	2870.8
42.5°	2659.7	2682.5	2818.9	2945.5	3052.7	3127.4	3234.6	3452.1	3484.6	3384.0	3081.9
45°	2604.5	2624.0	2760.4	2974.8	3130.6	3276.8	3471.6	3699.0	3731.4	3559.3	3202.1
47.5°	2549.3	2572.1	2715.0	2952.0	3202.1	3442.4	3663.2	3910.1	3926.3	3712.0	3361.2
50°	2487.6	2510.4	2659.7	2922.8	3244.3	3621.0	3851.6	4104.9	4108.2	3845.1	3442.4
52.5°	2409.7	2438.9	2588.3	2880.6	3280.0	3741.2	4020.5	4247.8	4228.3	4007.5	3539.8
55°	2312.3	2344.7	2510.4	2825.4	3299.5	3819.1	4130.9	4387.4	4374.5	4195.8	3666.5
57.5°	2201.8	2237.6	2409.7	2740.9	3293.0	3858.1	4244.6	4618.0	4624.5	4351.7	3760.7
60°	2075.2	2107.7	2270.0	2630.5	3208.6	3929.5	4488.1	4871.3	4894.1	4523.8	3799.6
62.5°	1909.6	1938.8	2094.7	2468.1	3101.4	3981.5	4673.2	5111.6	5101.9	4640.8	3812.6
65°	1701.7	1734.2	1880.3	2253.8	2932.5	3949.0	4731.7	5225.3	5225.3	4725.2	3802.9
67.5°	1490.6	1519.9	1643.3	1981.0	2659.7	3786.6	4696.0	5270.8	5300.0	4780.4	3715.2
70°	1208.1	1224.3	1347.7	1627.0	2279.8	3481.4	4605.0	5316.2	5313.0	4718.7	3549.6
72.5°	886.6	906.1	1006.7	1221.1	1763.4	3013.7	4319.2	5040.2	4988.2	4387.4	3228.1
75°	457.9	477.4	555.3	766.4	1123.7	2127.1	3682.7	4452.4	4442.7	3884.1	2672.7
77.5°	61.7	61.7	71.4	126.7	259.8	847.6	2412.9	3335.2	3315.8	2961.8	1942.0
80°	42.2	42.2	48.7	58.5	74.7	185.1	850.9	1692.0	1721.2	1526.3	870.3
82.5°	32.5	29.2	35.7	42.2	45.5	84.4	259.8	467.6	474.1	425.4	266.3
85°	19.5	19.5	19.5	19.5	16.2	22.7	58.5	77.9	87.7	84.4	68.2
87.5°	9.7	9.7	9.7	6.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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°	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4	1513.4
2.5°	1513.4	1523.1	1536.1	1552.3	1568.6	1581.6	1594.5	1601.0	1607.5	1610.8	1614.0
5°	1539.3	1552.3	1568.6	1591.3	1591.3	1581.6	1575.1	1575.1	1581.6	1591.3	1594.5
7.5°	1565.3	1578.3	1571.8	1568.6	1571.8	1558.8	1542.6	1532.8	1526.3	1526.3	1532.8
10°	1575.1	1562.1	1555.6	1539.3	1506.9	1500.4	1487.4	1461.4	1454.9	1461.4	1438.7
12.5°	1568.6	1558.8	1526.3	1500.4	1467.9	1412.7	1380.2	1380.2	1364.0	1360.7	1364.0
15°	1584.8	1552.3	1513.4	1458.2	1399.7	1354.2	1302.3	1256.8	1243.8	1247.1	1247.1
17.5°	1597.8	1565.3	1487.4	1402.9	1351.0	1269.8	1211.3	1185.4	1162.6	1159.4	1159.4
20°	1627.0	1581.6	1471.1	1380.2	1250.3	1188.6	1123.7	1091.2	1055.5	1006.7	990.5
22.5°	1672.5	1610.8	1461.4	1318.5	1204.8	1107.4	1013.2	915.8	857.4	818.4	828.1
25°	1734.2	1666.0	1471.1	1295.8	1136.6	1013.2	889.8	756.7	669.0	643.0	659.3
27.5°	1844.6	1727.7	1500.4	1263.3	1087.9	902.8	717.7	600.8	519.6	493.6	503.4
30°	1945.3	1821.9	1503.6	1243.8	1010.0	772.9	565.1	435.2	370.2	331.3	321.5
32.5°	2127.1	1922.6	1584.8	1217.8	928.8	630.0	415.7	289.0	230.6	207.8	201.3
35°	2305.8	2101.2	1607.5	1169.1	779.4	467.6	256.6	172.1	139.6	123.4	120.2
37.5°	2552.6	2318.8	1701.7	1117.2	630.0	285.8	155.9	103.9	97.4	94.2	94.2
40°	2676.0	2432.4	1779.7	1042.5	441.7	162.4	100.7	90.9	87.7	84.4	84.4
42.5°	2851.4	2562.3	1844.6	909.3	259.8	107.2	90.9	84.4	81.2	77.9	77.9
45°	2948.8	2630.5	1828.4	746.9	129.9	100.7	87.7	81.2	74.7	74.7	74.7
47.5°	3078.7	2731.2	1786.2	552.1	116.9	97.4	84.4	77.9	74.7	77.9	74.7
50°	3202.1	2828.6	1669.2	438.4	113.7	94.2	84.4	74.7	74.7	74.7	74.7
52.5°	3270.3	2919.6	1523.1	321.5	116.9	94.2	81.2	74.7	74.7	71.4	74.7
55°	3335.2	2932.5	1406.2	233.8	116.9	90.9	77.9	71.4	68.2	65.0	65.0
57.5°	3380.7	2903.3	1312.0	194.9	116.9	90.9	74.7	68.2	58.5	55.2	55.2
60°	3367.7	2831.9	1234.1	178.6	110.4	84.4	68.2	58.5	52.0	45.5	45.5
62.5°	3332.0	2789.6	1091.2	155.9	100.7	77.9	61.7	48.7	42.2	39.0	39.0
65°	3299.5	2656.5	925.6	139.6	94.2	68.2	52.0	42.2	35.7	32.5	32.5
67.5°	3143.6	2481.1	688.5	120.2	84.4	61.7	45.5	39.0	32.5	29.2	26.0
70°	2913.1	2198.6	451.4	103.9	74.7	52.0	39.0	32.5	26.0	22.7	22.7
72.5°	2520.1	1815.4	233.8	84.4	61.7	45.5	35.7	29.2	22.7	19.5	19.5
75°	2046.0	1334.7	139.6	65.0	48.7	39.0	29.2	22.7	19.5	16.2	16.2
77.5°	1415.9	737.2	100.7	48.7	32.5	29.2	22.7	19.5	16.2	13.0	13.0
80°	477.4	201.3	71.4	35.7	22.7	22.7	16.2	13.0	13.0	9.7	9.7
82.5°	188.4	123.4	48.7	26.0	19.5	16.2	13.0	9.7	9.7	9.7	9.7
85°	52.0	35.7	19.5	13.0	9.7	9.7	9.7	6.5	6.5	6.5	6.5
87.5°	3.2	6.5	6.5	6.5	6.5	6.5	3.2	3.2	3.2	3.2	3.2
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)