

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: P691601

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691601
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-C018-5TLD-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: 6992 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 53.7
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



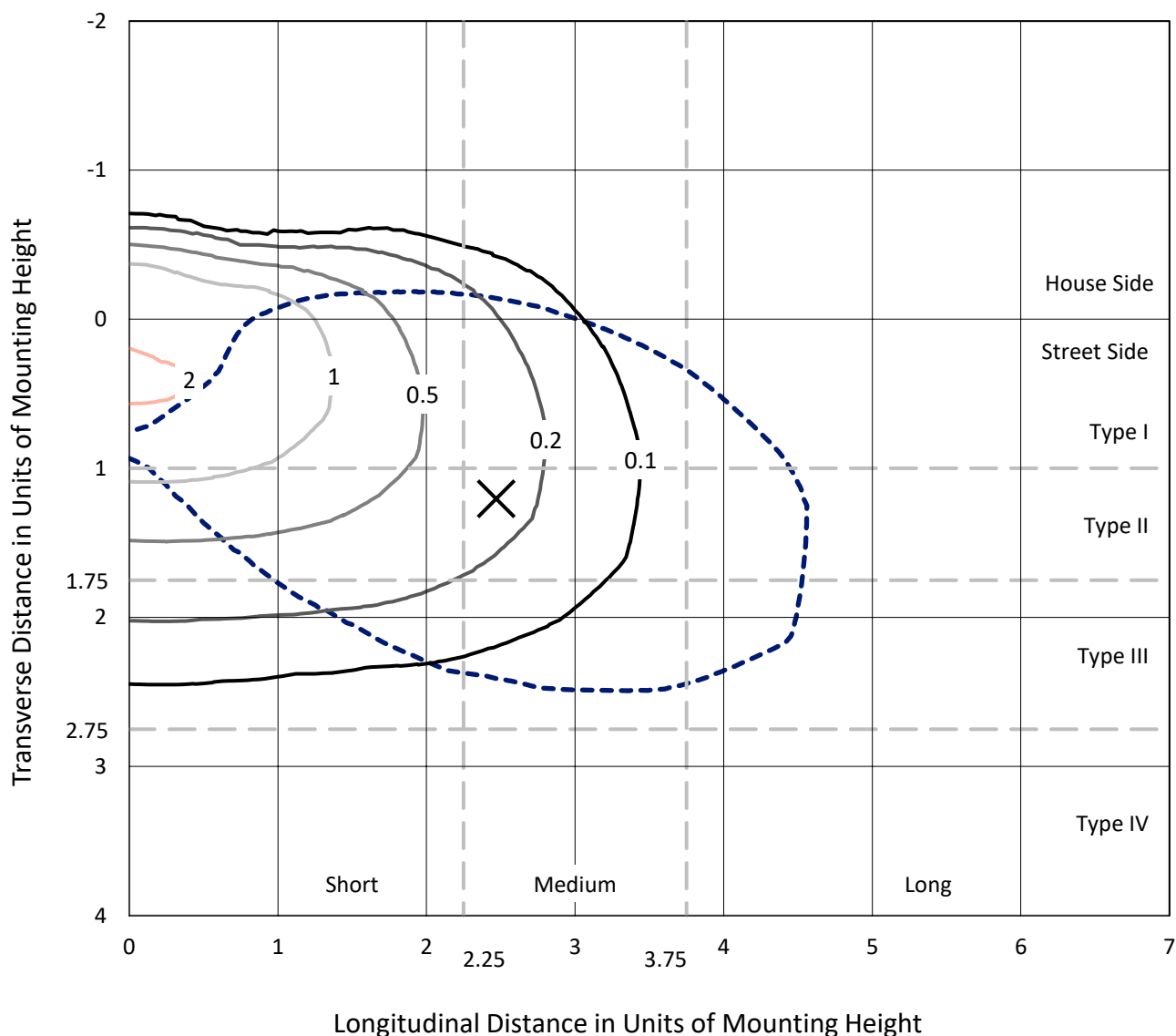
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

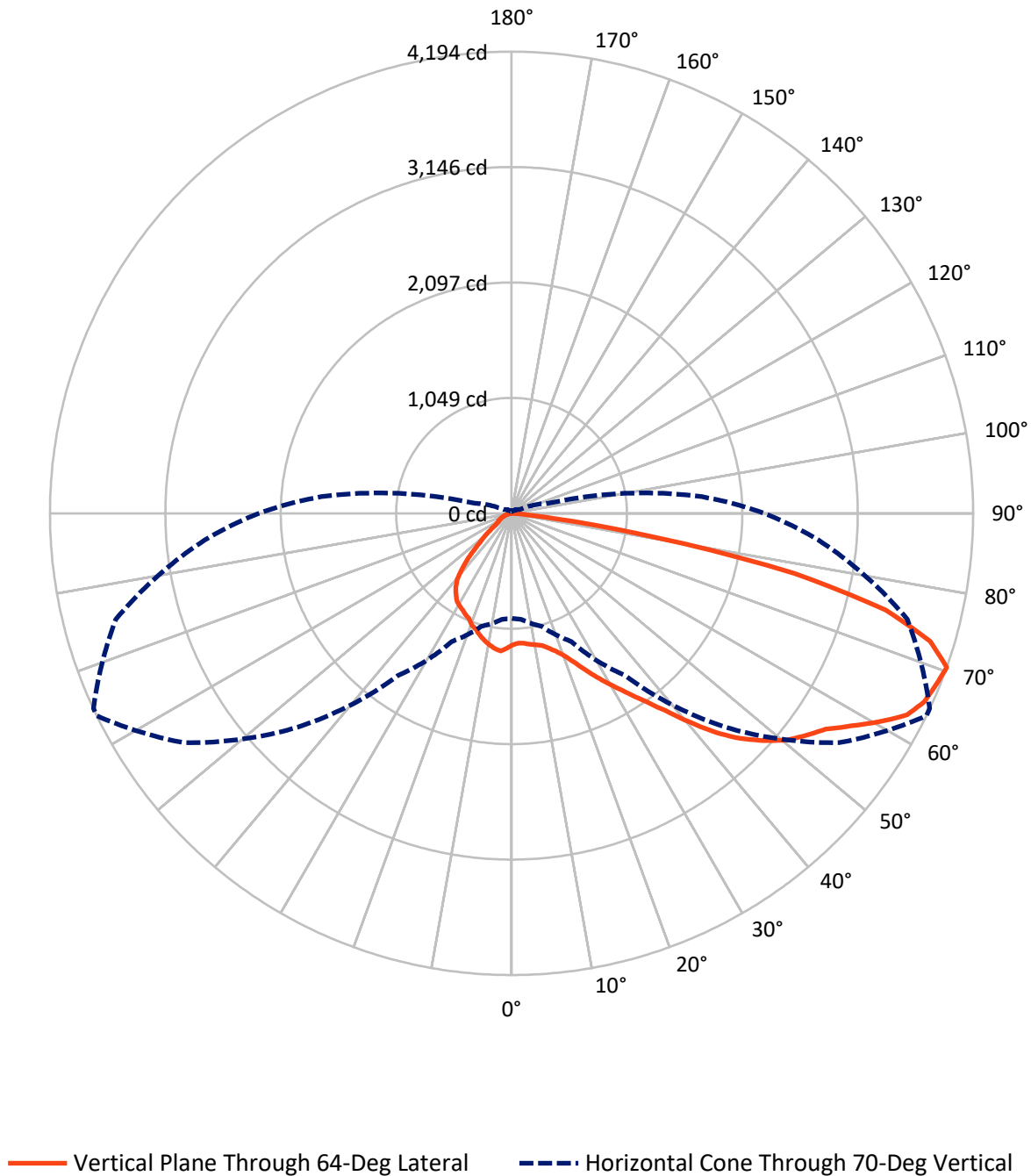


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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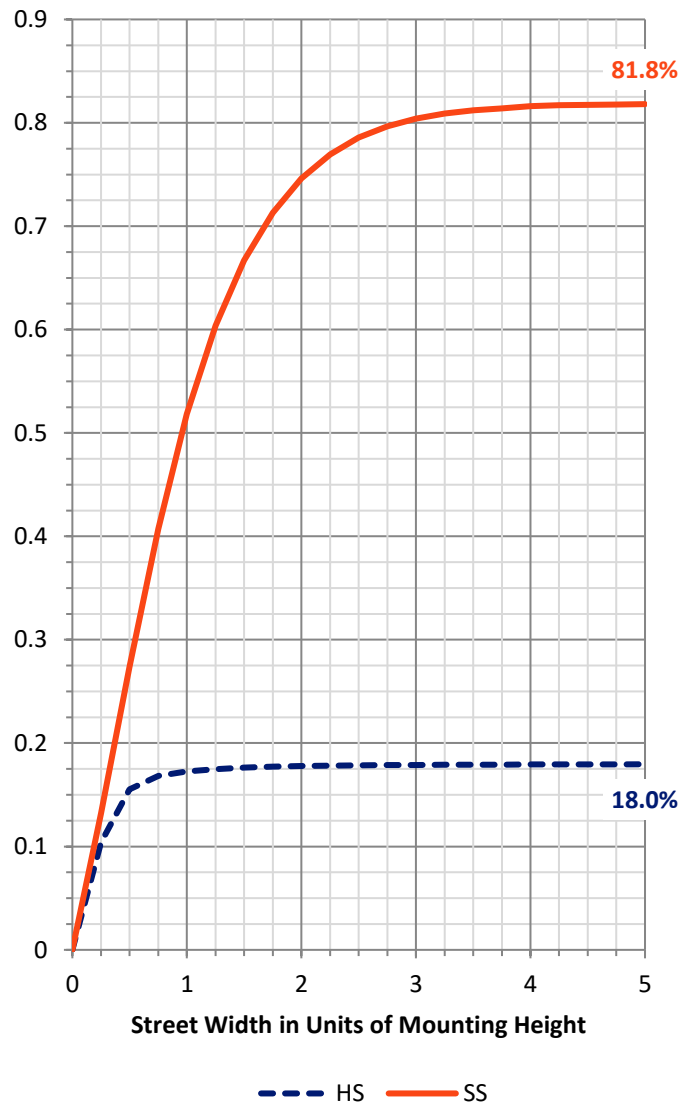
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1270.7	0.0	1270.7
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	5721.3	0.0	5721.3
	% Fixture	81.8	0.0	81.8
Total	Lumens	6992.0	0.0	6992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	1.7
10°-20°	344.2	4.9
20°-30°	579.9	8.3
30°-40°	853.5	12.2
40°-50°	1170.4	16.7
50°-60°	1424.1	20.4
60°-70°	1512.0	21.6
70°-80°	926.9	13.3
80°-90°	64.7	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°	6992.0	100.0
0°-180°	6992.0	100.0

Coefficient of Utilization



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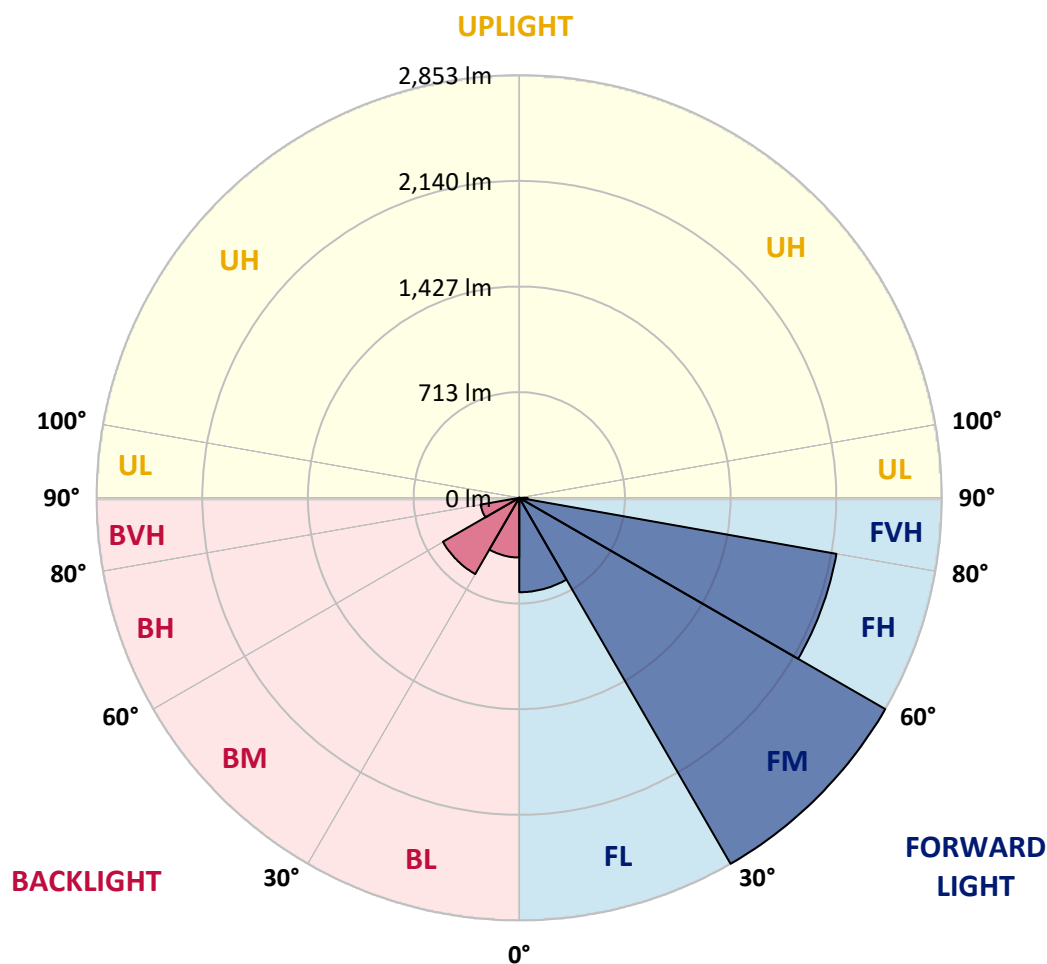
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	637.4	9.1			
FM	(30°-60°)	2853.2	40.8			
FH	(60°-80°)	2174.3	31.1			G2/5000
FVH	(80°-90°)	56.4	0.8			G1/100
BL	(0°-30°)	403.1	5.8	B1/500		
BM	(30°-60°)	594.8	8.5	B1/1000		
BH	(60°-80°)	264.6	3.8	B1/500		G1/500
BVH	(80°-90°)	8.3	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9
2.5°	1181.1	1181.1	1183.6	1181.1	1186.2	1178.5	1181.1	1181.1	1181.1	1183.6	1191.3
5°	1216.9	1216.9	1211.8	1204.1	1196.4	1186.2	1186.2	1186.2	1186.2	1191.3	1209.3
7.5°	1240.0	1237.4	1237.4	1237.4	1229.8	1209.3	1204.1	1201.6	1201.6	1201.6	1219.5
10°	1296.4	1288.7	1278.4	1263.1	1255.4	1237.4	1216.9	1214.4	1214.4	1216.9	1240.0
12.5°	1350.2	1342.5	1342.5	1332.2	1301.5	1281.0	1245.1	1232.3	1232.3	1237.4	1250.2
15°	1439.8	1432.2	1411.7	1393.7	1365.5	1329.7	1293.8	1270.7	1268.2	1278.4	1260.5
17.5°	1503.9	1491.1	1493.6	1465.5	1442.4	1391.2	1355.3	1319.4	1319.4	1329.7	1293.8
20°	1565.4	1565.4	1567.9	1565.4	1526.9	1486.0	1427.0	1383.5	1386.0	1388.6	1332.2
22.5°	1657.6	1655.0	1655.0	1657.6	1632.0	1585.9	1521.8	1473.1	1470.6	1450.1	1380.9
25°	1765.2	1760.1	1749.8	1760.1	1747.3	1693.5	1632.0	1583.3	1575.6	1547.4	1452.6
27.5°	1854.9	1854.9	1854.9	1860.0	1860.0	1821.6	1752.4	1701.2	1706.3	1667.9	1537.2
30°	1918.9	1918.9	1942.0	1952.2	1959.9	1947.1	1872.8	1819.0	1829.3	1783.1	1642.2
32.5°	1988.1	1985.5	2016.3	2039.3	2049.6	2054.7	1993.2	1949.7	1952.2	1911.2	1762.6
35°	2052.2	2047.0	2088.0	2136.7	2162.3	2157.2	2113.6	2098.3	2103.4	2090.6	1926.6
37.5°	2098.3	2106.0	2159.8	2223.8	2264.8	2275.0	2246.9	2275.0	2303.2	2321.2	2139.3
40°	2149.5	2149.5	2200.7	2269.9	2334.0	2372.4	2392.9	2495.4	2518.4	2531.2	2264.8
42.5°	2098.3	2116.2	2223.8	2323.7	2408.3	2467.2	2551.7	2723.4	2749.0	2669.6	2431.3
45°	2054.7	2070.1	2177.7	2346.8	2469.8	2585.0	2738.8	2918.1	2943.7	2807.9	2526.1
47.5°	2011.2	2029.1	2141.8	2328.8	2526.1	2715.7	2889.9	3084.6	3097.4	2928.4	2651.7
50°	1962.5	1980.4	2098.3	2305.8	2559.4	2856.6	3038.5	3238.4	3240.9	3033.4	2715.7
52.5°	1901.0	1924.1	2041.9	2272.5	2587.6	2951.4	3171.7	3351.1	3335.7	3161.5	2792.6
55°	1824.1	1849.8	1980.4	2228.9	2603.0	3012.9	3258.8	3461.2	3451.0	3310.1	2892.5
57.5°	1737.0	1765.2	1901.0	2162.3	2597.9	3043.6	3348.5	3643.1	3648.3	3433.1	2966.8
60°	1637.1	1662.7	1790.8	2075.2	2531.2	3100.0	3540.7	3843.0	3860.9	3568.8	2997.5
62.5°	1506.4	1529.5	1652.5	1947.1	2446.7	3141.0	3686.7	4032.6	4024.9	3661.1	3007.8
65°	1342.5	1368.1	1483.4	1778.0	2313.5	3115.4	3732.8	4122.2	4122.2	3727.7	3000.1
67.5°	1176.0	1199.0	1296.4	1562.8	2098.3	2987.3	3704.6	4158.1	4181.2	3771.2	2930.9
70°	953.1	965.9	1063.2	1283.6	1798.5	2746.5	3632.9	4194.0	4191.4	3722.6	2800.3
72.5°	699.4	714.8	794.2	963.3	1391.2	2377.5	3407.4	3976.2	3935.2	3461.2	2546.6
75°	361.2	376.6	438.1	604.6	886.4	1678.1	2905.3	3512.5	3504.8	3064.1	2108.5
77.5°	48.7	48.7	56.4	99.9	205.0	668.7	1903.6	2631.2	2615.8	2336.5	1532.1
80°	33.3	33.3	38.4	46.1	58.9	146.0	671.2	1334.8	1357.9	1204.1	686.6
82.5°	25.6	23.1	28.2	33.3	35.9	66.6	205.0	368.9	374.1	335.6	210.1
85°	15.4	15.4	15.4	15.4	12.8	17.9	46.1	61.5	69.2	66.6	53.8
87.5°	7.7	7.7	7.7	5.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9	1193.9
2.5°	1193.9	1201.6	1211.8	1224.6	1237.4	1247.7	1257.9	1263.1	1268.2	1270.7	1273.3
5°	1214.4	1224.6	1237.4	1255.4	1255.4	1247.7	1242.6	1242.6	1247.7	1255.4	1257.9
7.5°	1234.9	1245.1	1240.0	1237.4	1240.0	1229.8	1216.9	1209.3	1204.1	1204.1	1209.3
10°	1242.6	1232.3	1227.2	1214.4	1188.8	1183.6	1173.4	1152.9	1147.8	1152.9	1135.0
12.5°	1237.4	1229.8	1204.1	1183.6	1158.0	1114.5	1088.8	1088.8	1076.0	1073.5	1076.0
15°	1250.2	1224.6	1193.9	1150.3	1104.2	1068.3	1027.4	991.5	981.2	983.8	983.8
17.5°	1260.5	1234.9	1173.4	1106.8	1065.8	1001.7	955.6	935.1	917.2	914.6	914.6
20°	1283.6	1247.7	1160.6	1088.8	986.4	937.7	886.4	860.8	832.6	794.2	781.4
22.5°	1319.4	1270.7	1152.9	1040.2	950.5	873.6	799.3	722.5	676.4	645.6	653.3
25°	1368.1	1314.3	1160.6	1022.2	896.7	799.3	702.0	596.9	527.8	507.3	520.1
27.5°	1455.2	1363.0	1183.6	996.6	858.3	712.2	566.2	474.0	409.9	389.4	397.1
30°	1534.6	1437.3	1186.2	981.2	796.8	609.8	445.8	343.3	292.1	261.3	253.6
32.5°	1678.1	1516.7	1250.2	960.7	732.7	497.0	327.9	228.0	181.9	164.0	158.8
35°	1819.0	1657.6	1268.2	922.3	614.9	368.9	202.4	135.8	110.2	97.4	94.8
37.5°	2013.7	1829.3	1342.5	881.3	497.0	225.5	123.0	82.0	76.9	74.3	74.3
40°	2111.1	1918.9	1404.0	822.4	348.4	128.1	79.4	71.7	69.2	66.6	66.6
42.5°	2249.4	2021.4	1455.2	717.4	205.0	84.5	71.7	66.6	64.0	61.5	61.5
45°	2326.3	2075.2	1442.4	589.3	102.5	79.4	69.2	64.0	58.9	58.9	58.9
47.5°	2428.8	2154.6	1409.1	435.5	92.2	76.9	66.6	61.5	58.9	61.5	58.9
50°	2526.1	2231.5	1316.9	345.9	89.7	74.3	66.6	58.9	58.9	58.9	58.9
52.5°	2579.9	2303.2	1201.6	253.6	92.2	74.3	64.0	58.9	58.9	56.4	58.9
55°	2631.2	2313.5	1109.3	184.5	92.2	71.7	61.5	56.4	53.8	51.2	51.2
57.5°	2667.0	2290.4	1035.0	153.7	92.2	71.7	58.9	53.8	46.1	43.6	43.6
60°	2656.8	2234.1	973.6	140.9	87.1	66.6	53.8	46.1	41.0	35.9	35.9
62.5°	2628.6	2200.7	860.8	123.0	79.4	61.5	48.7	38.4	33.3	30.7	30.7
65°	2603.0	2095.7	730.2	110.2	74.3	53.8	41.0	33.3	28.2	25.6	25.6
67.5°	2480.0	1957.4	543.1	94.8	66.6	48.7	35.9	30.7	25.6	23.1	20.5
70°	2298.1	1734.5	356.1	82.0	58.9	41.0	30.7	25.6	20.5	17.9	17.9
72.5°	1988.1	1432.2	184.5	66.6	48.7	35.9	28.2	23.1	17.9	15.4	15.4
75°	1614.1	1053.0	110.2	51.2	38.4	30.7	23.1	17.9	15.4	12.8	12.8
77.5°	1117.0	581.6	79.4	38.4	25.6	23.1	17.9	15.4	12.8	10.2	10.2
80°	376.6	158.8	56.4	28.2	17.9	17.9	12.8	10.2	10.2	7.7	7.7
82.5°	148.6	97.4	38.4	20.5	15.4	12.8	10.2	7.7	7.7	7.7	7.7
85°	41.0	28.2	15.4	10.2	7.7	7.7	7.7	5.1	5.1	5.1	5.1
87.5°	2.6	5.1	5.1	5.1	5.1	5.1	2.6	2.6	2.6	2.6	2.6
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)