

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: P162132

Luminaire Tested: **OVF-F05-LED-E-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P162132  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVF-F05-LED-E-U-T2  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (35) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12377 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

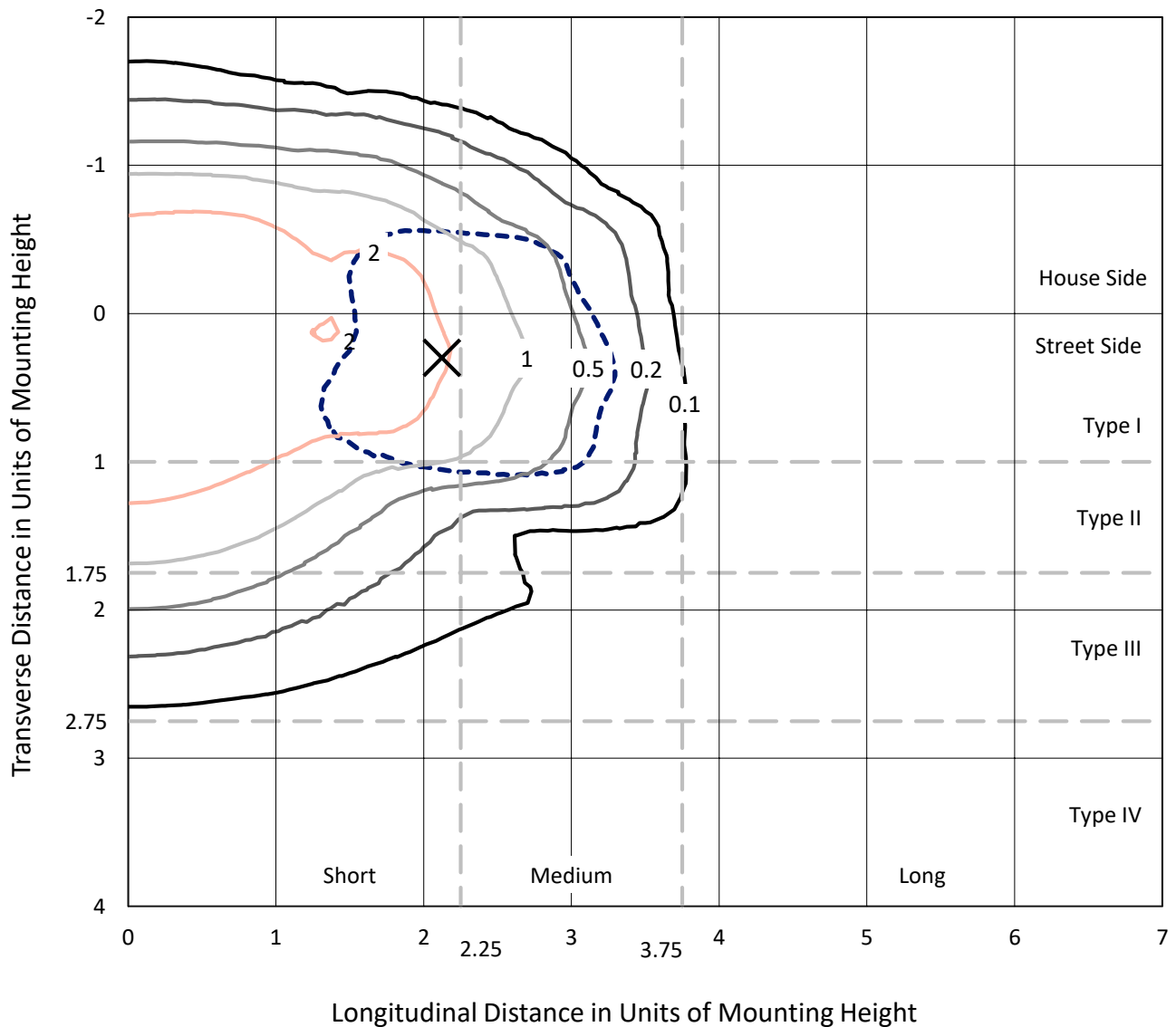
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

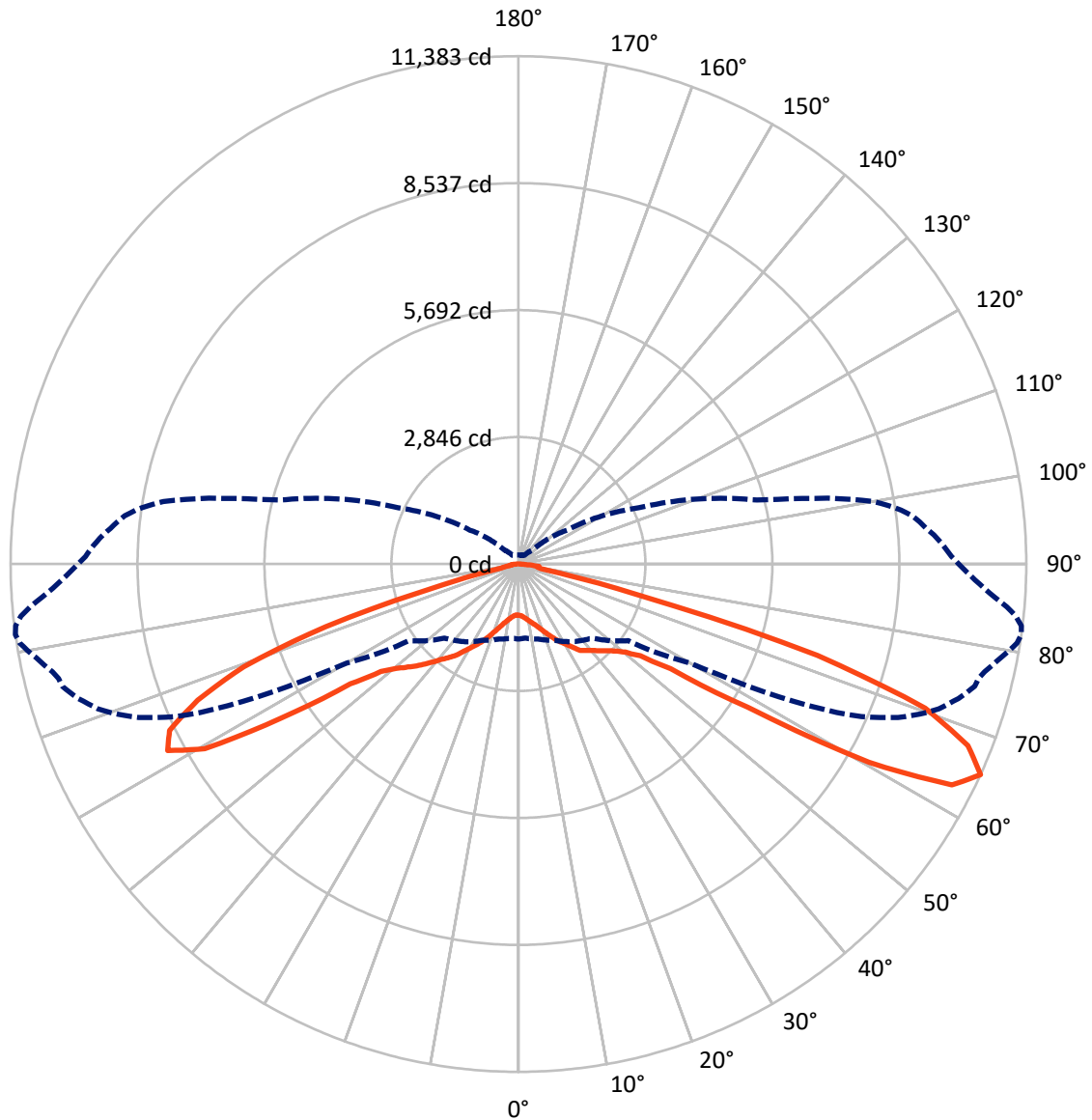


Based on 20 foot mounting height. Maximum calculated value = 3.7 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4556.0	0.0	4556.0
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	7820.9	0.0	7820.9
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	12377.0	0.0	12377.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.3	0.9
10°-20°	409.9	3.3
20°-30°	813.0	6.6
30°-40°	1387.2	11.2
40°-50°	2080.1	16.8
50°-60°	2895.4	23.4
60°-70°	3326.4	26.9
70°-80°	1147.9	9.3
80°-90°	200.7	1.6
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°	12377.0	100.0
0°-180°	12377.0	100.0

**Coefficient of Utilization**



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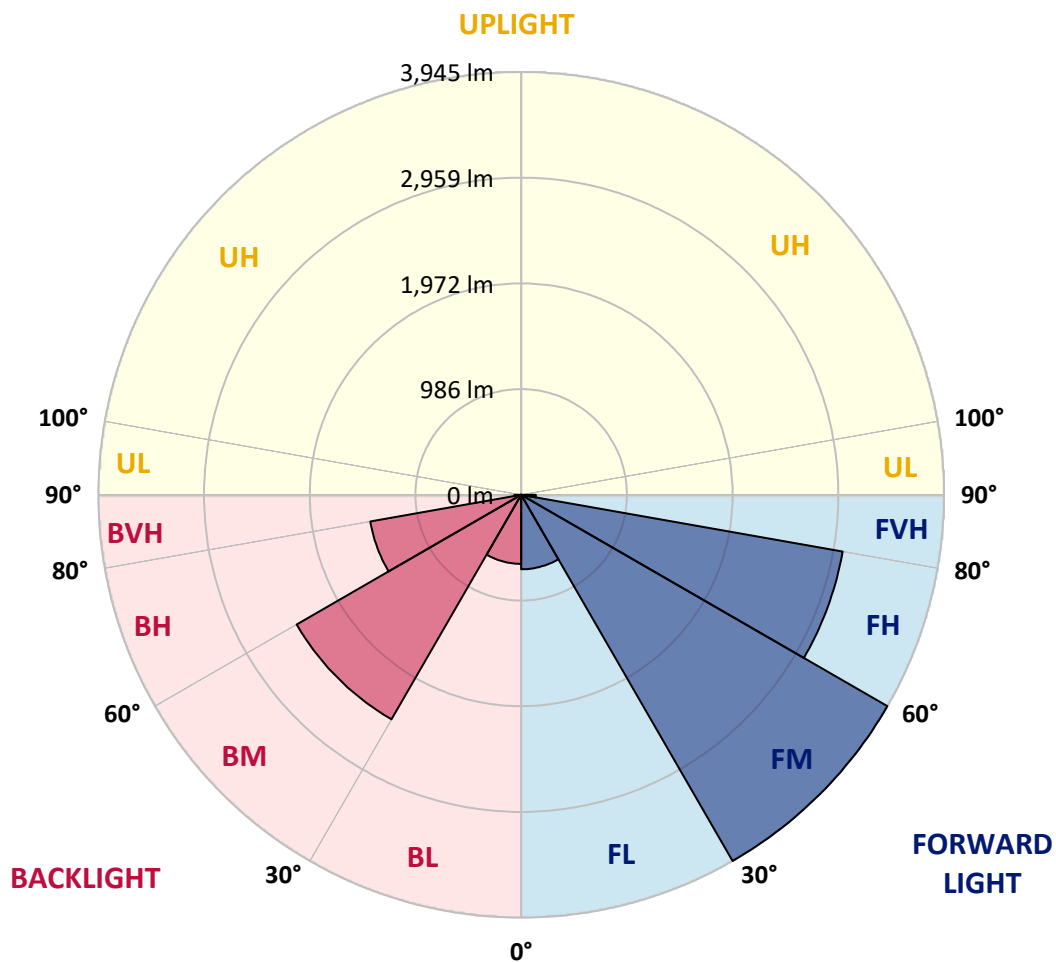
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	694.8	5.6			
FM (30°-60°)	3944.7	31.9			
FH (60°-80°)	3045.1	24.6			G2/5000
FVH (80°-90°)	136.3	1.1			G2/225
BL (0°-30°)	644.5	5.2	B2/1000		
BM (30°-60°)	2418.0	19.5	B2/2500		
BH (60°-80°)	1429.2	11.5	B3/2500		G3/2500
BVH (80°-90°)	64.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7
2.5°	1210.2	1209.4	1208.6	1205.3	1203.6	1197.0	1190.4	1186.3	1183.0	1184.6	1179.7
5°	1280.4	1280.4	1277.1	1273.0	1268.0	1258.9	1242.4	1234.2	1232.5	1232.5	1226.7
7.5°	1352.2	1357.2	1348.1	1344.8	1336.5	1322.5	1303.5	1292.8	1289.5	1289.5	1284.5
10°	1443.0	1440.5	1430.6	1424.0	1407.5	1388.5	1362.9	1350.6	1345.6	1349.7	1341.5
12.5°	1538.8	1538.0	1523.1	1510.7	1487.6	1457.1	1423.2	1406.7	1403.4	1403.4	1398.4
15°	1636.2	1637.0	1620.5	1597.4	1561.1	1519.8	1481.8	1466.1	1462.0	1460.4	1454.6
17.5°	1710.5	1718.7	1702.2	1672.5	1627.9	1582.5	1542.1	1526.4	1525.6	1523.9	1517.3
20°	1752.6	1754.2	1745.2	1723.7	1684.1	1640.3	1612.3	1604.8	1604.0	1604.8	1606.5
22.5°	1750.9	1753.4	1750.1	1741.9	1716.3	1692.3	1689.0	1693.2	1695.6	1693.2	1698.9
25°	1737.7	1741.0	1741.0	1745.2	1738.6	1746.8	1773.2	1784.8	1785.6	1787.3	1799.6
27.5°	1766.6	1769.9	1769.1	1776.5	1782.3	1811.2	1859.1	1879.7	1882.2	1888.0	1899.5
30°	1900.4	1901.2	1886.3	1885.5	1891.3	1914.4	1963.1	1987.0	1984.6	1996.1	2003.5
32.5°	2111.7	2118.3	2103.4	2087.8	2085.3	2088.6	2097.7	2114.2	2111.7	2117.5	2127.4
35°	2352.7	2353.6	2345.3	2354.4	2359.4	2337.1	2294.1	2290.0	2276.8	2279.3	2282.6
37.5°	2574.0	2579.8	2595.5	2653.2	2686.3	2631.8	2547.6	2494.7	2486.5	2482.4	2453.5
40°	2781.2	2810.1	2848.1	2923.2	2968.6	2988.4	2868.7	2762.2	2733.3	2721.8	2676.4
42.5°	3023.9	3038.8	3083.3	3169.2	3229.5	3319.4	3239.4	3122.1	3088.3	3038.8	2981.8
45°	3229.5	3239.4	3267.4	3340.1	3466.4	3616.6	3625.7	3544.0	3517.6	3468.0	3384.7
47.5°	3367.3	3366.5	3387.1	3458.1	3622.4	3851.9	3988.1	3984.8	3954.3	3936.9	3865.9
50°	3421.0	3420.1	3433.4	3512.6	3691.7	3992.2	4292.7	4395.9	4395.1	4401.7	4365.4
52.5°	3430.9	3430.1	3431.7	3495.3	3677.7	4040.9	4512.3	4755.8	4791.3	4835.9	4876.4
55°	3356.6	3364.8	3383.0	3449.9	3624.9	4021.1	4674.9	5093.5	5178.5	5269.3	5416.3
57.5°	3184.9	3200.6	3263.3	3383.0	3568.7	3972.4	4788.0	5511.2	5683.7	5903.3	6301.2
60°	2938.9	2952.9	3039.6	3198.1	3405.3	3760.3	4656.8	5686.2	6013.9	6395.3	7211.0
62.5°	2503.8	2543.4	2589.7	2701.9	2919.1	3204.7	4067.4	5390.7	5898.4	6458.1	7580.8
65°	1681.6	1665.1	1741.9	1884.7	2123.3	2345.3	2996.7	4446.3	5088.5	5858.8	7248.1
67.5°	1041.0	1043.5	1095.5	1235.0	1414.9	1587.5	1899.5	2834.0	3403.6	4135.9	5806.7
70°	860.2	870.1	912.2	1041.8	1195.4	1390.2	1410.0	1502.5	1757.5	2111.7	3586.9
72.5°	682.7	686.8	729.8	837.9	1055.0	1322.5	1674.2	1141.7	1121.9	1175.5	1819.5
75°	423.5	426.8	448.3	517.6	684.4	1030.3	1843.4	1312.6	1230.0	1160.7	1172.2
77.5°	218.8	225.4	236.9	268.3	359.1	575.4	1451.3	1664.3	1570.1	1476.0	1291.9
80°	123.8	123.8	134.6	142.0	170.1	234.4	738.0	1801.3	1968.1	2008.5	1803.8
82.5°	55.3	61.9	83.4	89.2	97.4	107.3	244.4	1082.3	1501.6	1875.6	2318.1
85°	33.0	32.2	52.8	57.8	60.3	51.2	91.6	441.7	701.7	1027.0	1536.3
87.5°	13.2	14.0	22.3	23.9	28.1	20.6	34.7	94.9	139.5	202.3	285.6
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7
2.5°	1178.8	1178.8	1178.0	1177.2	1176.4	1173.9	1173.1	1171.4	1170.6	1168.1	1167.3
5°	1225.9	1223.4	1222.6	1221.0	1220.1	1216.8	1216.8	1213.5	1211.0	1207.7	1206.9
7.5°	1282.0	1278.7	1276.3	1274.6	1273.8	1268.0	1268.0	1263.1	1262.2	1258.1	1256.4
10°	1339.0	1336.5	1333.2	1331.6	1330.7	1327.4	1324.1	1320.8	1318.4	1315.9	1312.6
12.5°	1396.0	1391.0	1389.4	1386.9	1385.2	1382.8	1381.9	1374.5	1374.5	1372.0	1368.7
15°	1451.3	1450.4	1444.7	1443.8	1442.2	1443.0	1438.1	1438.9	1436.4	1432.3	1430.6
17.5°	1519.0	1513.2	1515.7	1511.5	1512.4	1510.7	1509.1	1508.2	1509.9	1509.1	1510.7
20°	1603.2	1601.5	1604.0	1598.2	1604.0	1604.8	1603.2	1607.3	1605.6	1607.3	1602.3
22.5°	1703.1	1697.3	1697.3	1701.4	1703.9	1711.3	1707.2	1710.5	1713.8	1716.3	1713.0
25°	1803.8	1802.1	1805.4	1808.7	1813.7	1820.3	1818.6	1819.5	1826.1	1830.2	1831.0
27.5°	1906.1	1906.1	1916.0	1916.0	1922.6	1930.1	1932.6	1935.9	1940.8	1946.6	1946.6
30°	2011.8	2011.8	2020.9	2029.1	2032.4	2041.5	2046.5	2051.4	2060.5	2062.2	2069.6
32.5°	2132.3	2134.8	2143.9	2148.8	2156.3	2167.0	2168.7	2174.4	2185.2	2188.5	2194.2
35°	2289.2	2280.9	2289.2	2298.3	2302.4	2299.1	2317.2	2324.7	2332.1	2336.2	2343.7
37.5°	2451.0	2436.9	2437.8	2436.1	2426.2	2432.0	2432.0	2430.3	2435.3	2434.5	2437.8
40°	2655.7	2630.9	2623.5	2607.8	2586.4	2574.8	2562.4	2560.8	2548.4	2553.3	2544.3
42.5°	2936.4	2899.2	2879.4	2830.7	2804.3	2772.9	2742.4	2716.0	2701.9	2686.3	2674.7
45°	3321.9	3278.2	3230.3	3151.9	3106.5	3043.7	3003.3	2943.0	2902.5	2868.7	2844.8
47.5°	3805.7	3732.2	3693.4	3619.9	3540.7	3445.7	3359.1	3274.9	3206.3	3132.0	3073.4
50°	4367.9	4276.2	4245.7	4148.3	4103.7	3997.2	3904.7	3800.7	3693.4	3581.1	3473.8
52.5°	4865.6	4854.9	4867.3	4802.1	4800.4	4746.8	4644.4	4523.1	4423.2	4310.1	4168.9
55°	5462.5	5569.0	5592.1	5583.0	5631.7	5630.1	5620.2	5607.8	5528.5	5368.4	5319.7
57.5°	6515.9	6635.6	6812.2	6892.3	7069.0	7089.6	7253.1	7189.5	7310.8	7277.8	7300.1
60°	7588.2	7955.6	8290.7	8545.8	8793.5	9018.9	9294.6	9412.6	9501.0	9638.8	9784.1
62.5°	8067.9	8531.0	8930.5	9293.8	9601.7	9887.3	10124.2	10348.8	10525.4	10683.9	10806.1
65°	7873.9	8411.3	8800.9	9179.8	9467.1	9732.9	9968.2	10136.6	10312.5	10456.1	10585.7
67.5°	6555.5	7271.2	7779.7	8209.8	8570.6	8873.6	9117.9	9349.9	9474.5	9631.4	9701.6
70°	4342.3	5260.2	5979.3	6560.4	7132.5	7476.0	7765.7	8035.7	8177.6	8304.8	8383.2
72.5°	2384.9	3012.3	3780.1	4471.0	5020.8	5471.6	5809.2	6065.1	6211.2	6320.2	6207.1
75°	1351.4	1661.0	2036.6	2418.8	2835.7	3153.5	3242.7	3351.6	3377.2	3321.1	3175.8
77.5°	1242.4	1242.4	1243.2	1234.2	1252.3	1274.6	1261.4	1239.1	1138.4	1116.1	1084.7
80°	1615.6	1439.7	1251.5	1027.8	837.9	706.6	666.2	669.5	701.7	764.4	833.8
82.5°	2290.0	2116.6	1845.0	1504.1	1197.0	939.4	770.2	692.6	691.8	754.5	844.5
85°	1670.0	1684.1	1623.8	1436.4	1145.8	902.3	728.9	559.7	505.2	505.2	498.6
87.5°	292.2	301.3	260.0	232.8	162.6	114.7	103.2	90.8	90.0	93.3	85.9
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7
2.5°	1167.3	1165.6	1164.0	1163.2	1163.2	1161.5	1161.5	1159.9	1160.7	1159.9	1157.4
5°	1205.3	1204.4	1202.0	1197.8	1197.0	1193.7	1194.5	1191.2	1191.2	1189.6	1185.5
7.5°	1253.1	1251.5	1249.8	1246.5	1243.2	1243.2	1237.5	1237.5	1233.3	1231.7	1228.4
10°	1310.1	1305.2	1302.7	1299.4	1298.6	1297.7	1291.9	1291.9	1287.0	1286.2	1283.7
12.5°	1366.2	1362.9	1360.5	1358.8	1354.7	1353.9	1351.4	1348.9	1346.4	1344.8	1344.0
15°	1427.3	1425.7	1423.2	1423.2	1423.2	1419.1	1416.6	1414.9	1414.9	1412.5	1414.1
17.5°	1506.6	1509.1	1505.8	1504.1	1501.6	1505.8	1501.6	1501.6	1504.1	1504.1	1498.3
20°	1604.8	1608.1	1604.8	1605.6	1604.0	1604.8	1605.6	1607.3	1610.6	1604.8	1605.6
22.5°	1713.8	1714.6	1717.1	1714.6	1718.7	1716.3	1721.2	1725.3	1724.5	1722.9	1723.7
25°	1832.7	1830.2	1831.0	1838.4	1844.2	1842.6	1843.4	1850.0	1848.4	1846.7	1847.5
27.5°	1953.2	1951.5	1954.0	1960.6	1967.2	1966.4	1964.7	1969.7	1969.7	1965.6	1967.2
30°	2072.9	2075.4	2079.5	2079.5	2082.8	2086.1	2083.6	2089.4	2090.2	2086.9	2091.1
32.5°	2199.2	2204.2	2202.5	2214.1	2214.1	2214.9	2217.4	2216.5	2224.8	2218.2	2220.7
35°	2351.1	2352.7	2362.7	2370.9	2375.9	2380.0	2380.0	2382.5	2386.6	2383.3	2388.2
37.5°	2443.6	2446.9	2450.2	2455.1	2455.1	2455.1	2459.2	2460.1	2462.5	2461.7	2463.4
40°	2545.1	2545.9	2546.7	2547.6	2550.9	2552.5	2548.4	2554.2	2550.0	2551.7	2554.2
42.5°	2668.1	2656.5	2658.2	2655.7	2661.5	2654.1	2655.7	2662.3	2659.0	2664.0	2664.0
45°	2810.9	2797.7	2786.1	2779.5	2779.5	2769.6	2771.3	2773.8	2777.9	2784.5	2796.1
47.5°	3022.2	2976.8	2954.6	2931.4	2919.9	2907.5	2911.6	2912.5	2914.1	2924.8	2953.7
50°	3368.1	3292.2	3233.6	3163.4	3137.0	3115.5	3103.1	3104.0	3104.0	3126.3	3155.2
52.5°	4036.8	3895.7	3756.1	3634.0	3529.1	3478.8	3420.1	3405.3	3406.1	3425.1	3444.9
55°	5191.7	4997.7	4850.0	4578.4	4495.8	4263.8	4141.7	4071.5	4017.0	4043.4	4072.3
57.5°	7263.8	7084.7	6967.4	6643.0	6347.5	6263.3	6062.7	5900.0	5833.2	5755.6	5760.5
60°	9805.6	9713.1	9683.4	9493.5	9387.0	9056.0	9029.6	8824.0	8630.0	8462.5	8531.0
62.5°	10900.2	10943.2	10977.8	11044.7	11070.3	11038.9	10906.0	10815.2	10655.9	10436.3	10301.7
65°	10623.7	10721.9	10869.7	11009.2	11176.0	11314.6	11383.2	11356.7	11213.1	10986.9	10704.6
67.5°	9751.9	9851.8	9978.9	10155.6	10410.7	10680.6	10868.9	10988.6	10874.6	10670.7	10383.5
70°	8379.1	8476.5	8480.6	8727.4	9002.3	9342.5	9676.0	9801.5	9671.9	9535.6	9295.4
72.5°	6275.6	6217.0	6271.5	6316.9	6473.8	6688.4	7012.0	6998.0	6799.8	6694.2	6325.2
75°	2949.6	2910.0	2852.2	2814.2	2777.9	2701.9	2738.3	2583.1	2529.4	2550.9	2232.2
77.5°	1060.8	1006.3	918.8	833.8	726.5	601.8	507.7	445.8	415.2	416.1	397.1
80°	889.9	916.3	903.9	819.7	699.2	568.8	426.0	322.8	275.7	255.9	243.5
82.5°	965.0	1097.9	1164.0	1112.0	939.4	723.2	465.6	281.5	206.4	176.7	169.2
85°	534.9	535.8	519.3	496.1	440.0	302.1	201.4	133.7	107.3	95.8	92.5
87.5°	90.8	86.7	86.7	80.9	71.0	69.3	61.9	58.6	52.0	47.9	46.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P162132

CATALOG NUMBER: OVF-F05-LED-E-U-T2

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7
2.5°	1154.9	1153.3	1152.4	1151.6	1151.6	1150.8	1150.8	1149.1	1147.5	1146.7	1145.8
5°	1181.3	1179.7	1178.0	1176.4	1176.4	1174.7	1173.1	1171.4	1168.9	1164.8	1164.0
7.5°	1225.9	1222.6	1222.6	1216.8	1216.8	1213.5	1211.0	1211.0	1207.7	1201.1	1200.3
10°	1281.2	1275.4	1273.0	1269.7	1268.0	1264.7	1264.7	1261.4	1259.8	1257.3	1249.0
12.5°	1340.7	1336.5	1334.9	1330.7	1328.3	1328.3	1326.6	1320.8	1325.0	1319.2	1315.1
15°	1412.5	1411.6	1404.2	1406.7	1405.9	1405.0	1405.9	1400.9	1400.1	1400.1	1395.1
17.5°	1502.5	1495.9	1496.7	1496.7	1498.3	1498.3	1491.7	1495.0	1495.9	1494.2	1492.5
20°	1608.1	1605.6	1608.1	1603.2	1608.1	1608.1	1611.4	1610.6	1611.4	1613.1	1613.1
22.5°	1721.2	1727.8	1728.6	1730.3	1724.5	1734.4	1734.4	1736.1	1740.2	1740.2	1741.9
25°	1858.3	1855.0	1850.8	1856.6	1858.3	1864.9	1866.5	1866.5	1873.1	1873.1	1875.6
27.5°	1972.2	1975.5	1974.7	1978.0	1976.3	1985.4	1988.7	1998.6	1996.1	2001.1	2007.7
30°	2089.4	2096.0	2092.7	2093.5	2097.7	2103.4	2110.0	2119.9	2121.6	2134.8	2138.1
32.5°	2224.8	2229.7	2233.9	2235.5	2235.5	2245.4	2256.2	2259.5	2276.8	2286.7	2298.3
35°	2396.5	2397.3	2399.8	2402.3	2400.6	2411.4	2422.1	2425.4	2443.6	2446.0	2470.0
37.5°	2469.1	2470.8	2480.7	2485.7	2489.0	2502.2	2522.0	2536.8	2556.7	2575.6	2602.9
40°	2560.0	2569.9	2578.9	2586.4	2598.8	2616.9	2647.5	2662.3	2692.0	2727.5	2754.0
42.5°	2674.7	2692.9	2699.5	2713.5	2744.0	2766.3	2796.9	2829.1	2868.7	2911.6	2943.0
45°	2810.9	2828.2	2853.0	2868.7	2904.2	2939.7	2988.4	3016.5	3056.9	3106.5	3141.1
47.5°	2976.0	3000.0	3024.7	3056.9	3099.0	3136.2	3184.9	3221.2	3261.6	3302.1	3340.1
50°	3181.6	3217.1	3250.1	3283.9	3340.1	3371.4	3419.3	3457.3	3495.3	3535.7	3570.4
52.5°	3458.1	3511.8	3553.9	3577.0	3652.9	3684.3	3742.9	3769.3	3800.7	3837.0	3881.6
55°	4061.6	4145.0	4216.0	4257.2	4372.8	4414.1	4490.0	4528.8	4507.4	4553.6	4633.7
57.5°	5806.7	5909.1	5994.1	6050.3	6168.3	6226.1	6230.2	6375.5	6289.7	6374.7	6387.1
60°	8348.5	8429.4	8408.8	8409.6	8372.5	8318.8	8422.0	8265.2	8331.2	8335.3	8187.6
62.5°	10053.2	9929.4	9871.6	9775.9	9664.4	9578.6	9520.0	9393.6	9292.9	9212.9	9056.8
65°	10454.4	10239.8	10049.9	9870.8	9706.5	9592.6	9468.8	9333.4	9175.7	9042.8	8890.9
67.5°	10066.5	9766.0	9484.5	9248.4	9023.8	8873.6	8694.4	8565.6	8367.5	8192.5	8076.9
70°	8941.3	8525.2	8196.6	8045.6	7822.7	7499.9	7329.0	7168.0	7046.7	6888.2	6818.0
72.5°	6272.3	5758.9	5505.4	5515.3	5289.1	5058.0	5063.8	4965.5	4808.7	4803.7	4779.8
75°	2304.9	2096.8	1950.7	1957.3	1873.1	1783.1	1807.9	1834.3	1783.1	1887.1	1726.2
77.5°	366.5	356.6	353.3	345.9	327.7	340.9	331.9	349.2	351.7	370.7	372.3
80°	233.6	223.7	221.2	217.1	216.3	216.3	214.6	214.6	214.6	215.5	213.8
82.5°	156.0	150.2	149.4	146.9	151.1	151.9	152.7	159.3	165.1	166.8	173.4
85°	85.0	80.9	80.9	79.3	82.6	83.4	90.8	99.9	111.4	116.4	127.1
87.5°	42.9	45.4	44.6	46.2	48.7	54.5	60.3	66.0	72.6	81.7	89.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P162132

CATALOG NUMBER: OVF-F05-LED-E-U-T2

**CANDELA DISTRIBUTION (continued):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7	1146.7
2.5°	1144.2	1143.4	1143.4	1141.7	1141.7	1140.9	1139.2	1137.6	1130.1	1121.1	1115.3
5°	1161.5	1159.9	1159.0	1157.4	1154.9	1154.9	1152.4	1149.1	1135.1	1120.2	1111.2
7.5°	1197.0	1196.2	1193.7	1190.4	1187.1	1183.8	1182.2	1180.5	1159.0	1145.0	1138.4
10°	1248.2	1247.4	1241.6	1240.8	1235.8	1236.6	1232.5	1229.2	1215.2	1199.5	1190.4
12.5°	1313.4	1316.7	1313.4	1306.0	1307.6	1305.2	1301.0	1296.9	1284.5	1272.1	1258.1
15°	1394.3	1390.2	1386.9	1393.5	1387.7	1386.9	1389.4	1390.2	1375.3	1362.1	1342.3
17.5°	1495.0	1495.0	1493.4	1495.0	1491.7	1494.2	1492.5	1494.2	1487.6	1469.4	1440.5
20°	1609.8	1616.4	1616.4	1613.9	1613.1	1618.0	1620.5	1611.4	1613.1	1597.4	1545.4
22.5°	1743.5	1748.5	1750.1	1747.6	1748.5	1755.1	1759.2	1752.6	1767.4	1741.9	1661.8
25°	1881.4	1888.8	1885.5	1886.3	1892.9	1900.4	1907.8	1901.2	1930.1	1890.5	1785.6
27.5°	2017.6	2024.2	2022.5	2027.5	2038.2	2048.1	2056.4	2053.9	2101.8	2049.8	1916.0
30°	2146.4	2162.0	2165.4	2171.1	2184.3	2200.8	2214.1	2213.2	2275.1	2205.0	2022.5
32.5°	2304.9	2322.2	2328.8	2341.2	2366.8	2378.3	2394.8	2396.5	2458.4	2341.2	2112.5
35°	2488.1	2505.5	2519.5	2528.6	2557.5	2571.5	2588.0	2595.5	2636.7	2468.3	2175.3
37.5°	2630.1	2645.0	2672.2	2691.2	2716.8	2744.9	2763.9	2772.9	2796.1	2577.3	2204.2
40°	2785.3	2817.5	2843.9	2872.8	2900.9	2923.2	2940.5	2954.6	2945.5	2668.1	2191.8
42.5°	2981.8	3015.6	3051.1	3075.9	3090.8	3120.5	3128.7	3138.6	3064.3	2709.4	2135.6
45°	3186.5	3213.8	3243.5	3261.6	3281.5	3296.3	3298.8	3299.6	3152.7	2685.4	2034.1
47.5°	3383.8	3406.9	3427.6	3437.5	3447.4	3448.2	3444.1	3437.5	3199.7	2604.5	1911.9
50°	3600.1	3614.1	3623.2	3624.1	3633.1	3615.8	3604.2	3573.7	3194.8	2480.7	1783.1
52.5°	3911.3	3908.0	3896.5	3895.7	3866.8	3833.7	3812.3	3768.5	3160.9	2347.0	1634.5
55°	4626.2	4594.9	4631.2	4538.7	4462.0	4410.8	4289.4	4201.1	3194.8	2222.3	1463.7
57.5°	6344.2	6236.8	6248.4	6099.0	5935.5	5629.3	5448.5	5204.1	3460.6	2153.0	1248.2
60°	8156.2	7979.5	7812.8	7547.8	7200.2	6811.4	6461.4	6079.2	3724.8	2067.9	1018.7
62.5°	8904.1	8676.3	8386.5	8012.5	7565.9	7083.8	6600.1	6164.2	3579.5	1812.0	733.9
65°	8663.1	8390.6	8081.9	7594.0	7087.1	6526.6	5996.6	5536.0	2981.0	1325.0	443.3
67.5°	7807.0	7572.5	7192.0	6731.3	6103.9	5541.7	5017.5	4591.6	2197.5	818.9	254.3
70°	6573.7	6249.2	5924.0	5481.5	4820.2	4290.3	3802.4	3425.9	1394.3	404.5	187.4
72.5°	4537.1	4280.3	4020.3	3624.1	3130.4	2765.5	2346.1	2036.6	729.8	217.9	172.5
75°	1767.4	1739.4	1709.7	1529.7	1362.1	1091.3	958.4	864.3	303.8	189.0	170.1
77.5°	388.0	411.1	424.3	402.0	383.0	341.8	326.9	292.2	203.1	194.0	168.4
80°	213.8	213.8	213.8	216.3	212.2	212.2	209.7	205.6	189.9	194.0	165.1
82.5°	175.0	177.5	180.8	181.6	180.8	181.6	180.0	179.1	185.7	194.8	156.8
85°	133.7	142.0	146.9	153.5	160.2	164.3	165.9	166.8	170.9	184.9	137.0
87.5°	94.9	101.5	112.3	113.9	121.4	130.4	133.7	138.7	136.2	140.3	64.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P162132

CATALOG NUMBER: OVF-F05-LED-E-U-T2

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	1146.7	1146.7	1146.7	1146.7	1146.7
2.5°	1110.3	1103.7	1101.3	1100.4	1098.8
5°	1103.7	1099.6	1096.3	1093.8	1095.5
7.5°	1133.4	1131.0	1125.2	1123.5	1126.0
10°	1186.3	1180.5	1172.2	1173.1	1172.2
12.5°	1252.3	1236.6	1223.4	1217.6	1213.5
15°	1320.0	1289.5	1262.2	1249.8	1244.9
17.5°	1395.1	1343.1	1301.0	1278.7	1274.6
20°	1474.4	1402.6	1348.1	1321.7	1317.5
22.5°	1566.0	1467.0	1397.6	1361.3	1355.5
25°	1655.2	1524.7	1432.3	1387.7	1380.3
27.5°	1736.1	1568.5	1452.9	1400.1	1392.7
30°	1803.8	1603.2	1470.3	1410.0	1401.7
32.5°	1848.4	1622.2	1476.0	1410.8	1400.9
35°	1862.4	1609.8	1451.3	1376.2	1367.9
37.5°	1832.7	1559.4	1385.2	1300.2	1293.6
40°	1765.0	1466.1	1281.2	1192.9	1184.6
42.5°	1659.3	1348.1	1160.7	1067.4	1060.0
45°	1542.1	1221.8	1032.7	939.4	932.0
47.5°	1414.1	1088.0	898.2	812.3	800.8
50°	1273.8	942.7	761.1	676.9	666.2
52.5°	1109.5	784.2	615.8	539.9	533.3
55°	917.2	624.9	490.4	435.1	428.4
57.5°	713.3	475.5	389.6	362.4	351.7
60°	517.6	361.6	310.4	297.2	291.4
62.5°	351.7	269.9	250.1	246.0	241.9
65°	238.6	211.3	205.6	206.4	203.9
67.5°	188.2	177.5	174.2	175.8	175.0
70°	165.1	156.8	156.0	157.7	156.8
72.5°	156.0	145.3	146.9	149.4	148.6
75°	151.9	140.3	143.6	145.3	141.2
77.5°	147.8	132.9	142.8	146.1	137.9
80°	142.0	126.3	149.4	147.8	132.1
82.5°	129.6	111.4	146.1	133.7	118.9
85°	105.7	83.4	164.3	118.1	86.7
87.5°	67.7	50.4	113.9	90.0	57.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)