

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: INVUE

Report Number: P180983

Luminaire Tested: **ICM-F03-LED-E1-SLL**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180983  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F03-LED-E1-SLL  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6410.2 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

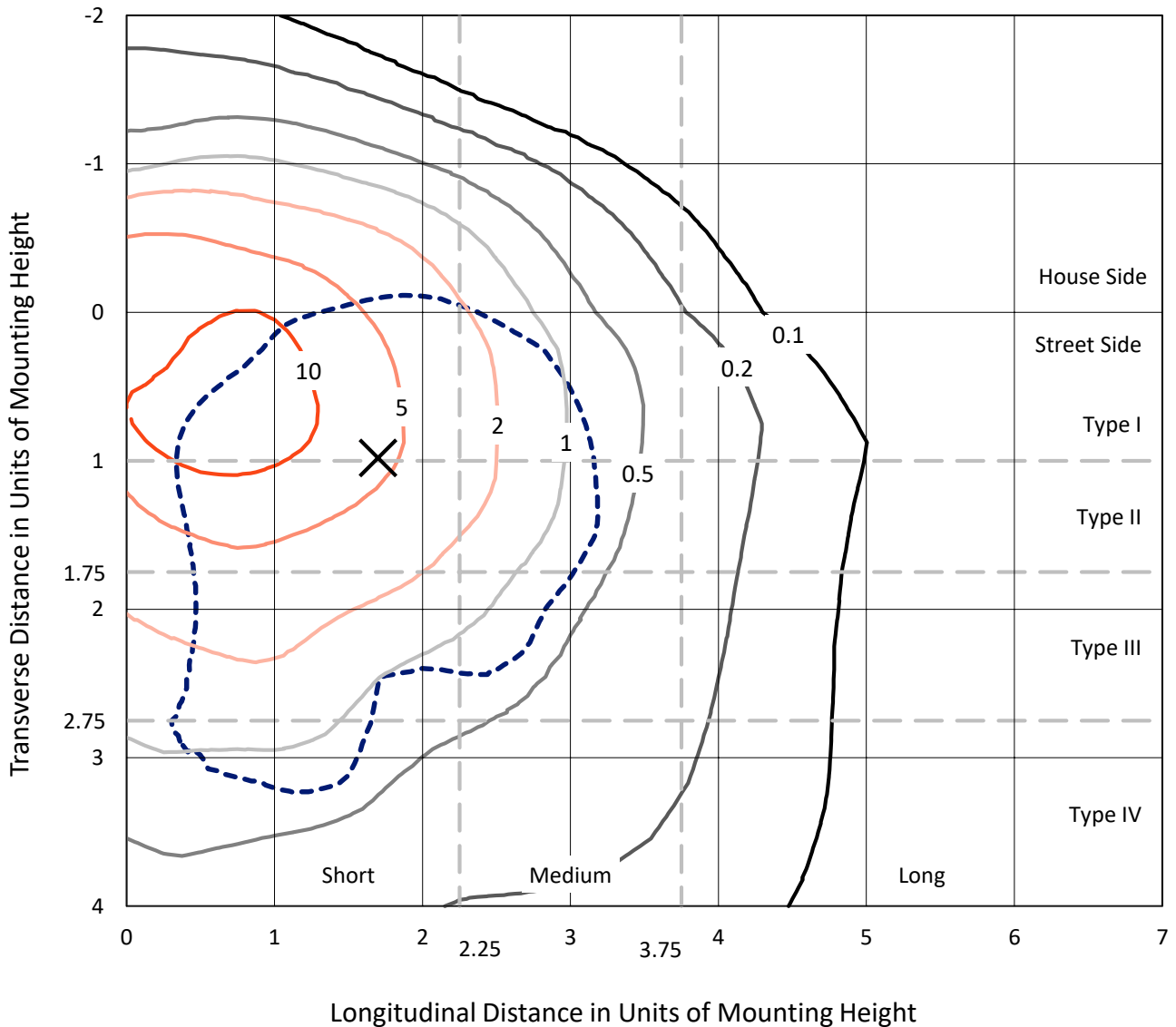
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

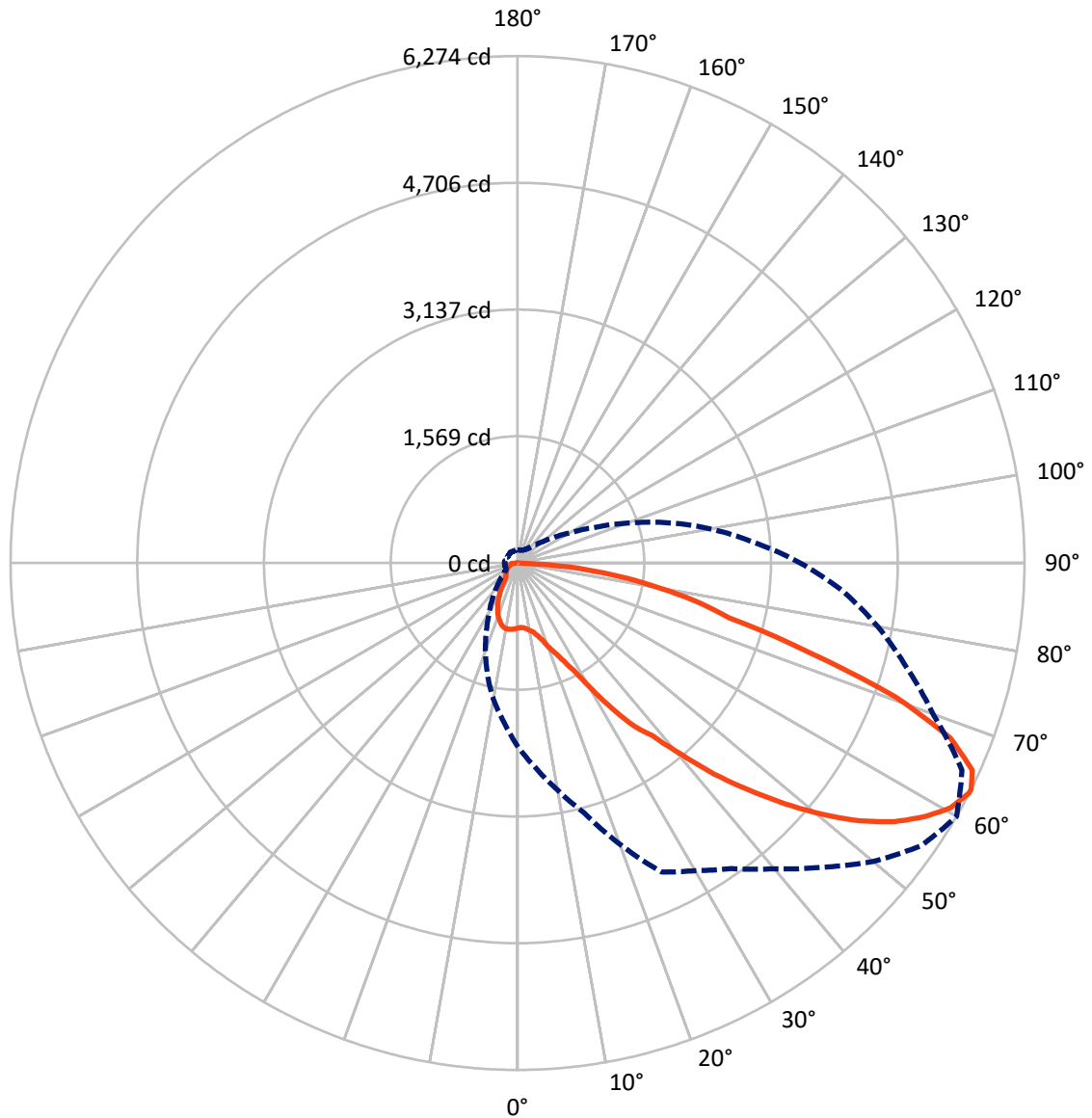
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1390.0	0.0	1390.0
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5020.2	0.0	5020.2
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	6410.2	0.0	6410.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.4	1.2
10°-20°	244.2	3.8
20°-30°	433.9	6.8
30°-40°	683.2	10.7
40°-50°	1005.5	15.7
50°-60°	1335.6	20.8
60°-70°	1471.2	23.0
70°-80°	923.0	14.4
80°-90°	235.1	3.7
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°	6410.2	100.0
0°-180°	6410.2	100.0

**Coefficient of Utilization**



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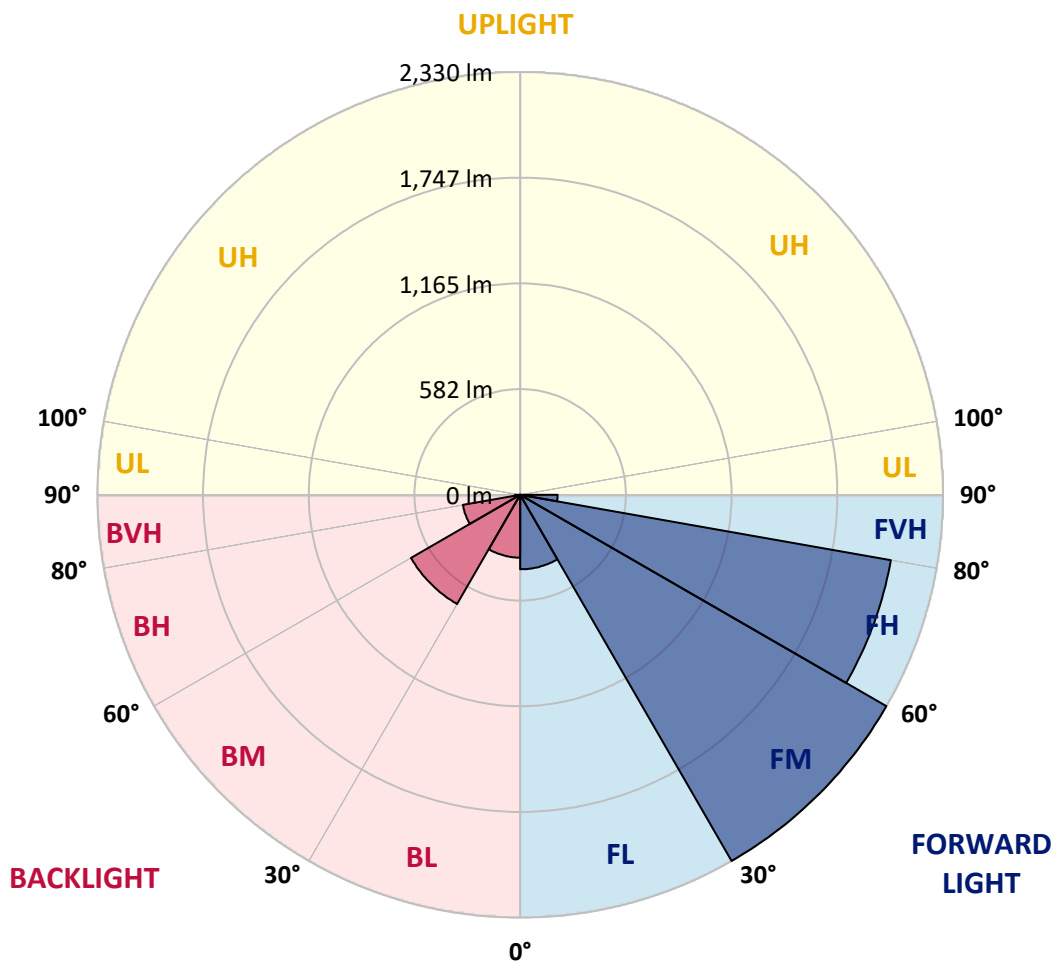
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	410.5	6.4			
FM	(30°-60°)	2329.6	36.3			
FH	(60°-80°)	2073.8	32.4			G2/5000
FVH	(80°-90°)	206.3	3.2			G2/225
BL	(0°-30°)	346.1	5.4	B1/500		
BM	(30°-60°)	694.8	10.8	B1/1000		
BH	(60°-80°)	320.4	5.0	B1/500		G1/500
BVH	(80°-90°)	28.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	794.8	796.4	796.4	795.5	795.5	797.1	796.4	795.5	793.3	796.4	796.4
5°	788.7	790.2	790.2	791.7	793.3	794.8	794.8	796.4	795.5	798.6	800.9
7.5°	796.4	797.9	800.9	804.8	807.1	812.5	812.5	816.3	817.9	820.2	819.4
10°	806.3	810.1	817.1	823.3	827.8	834.0	838.6	844.0	844.0	846.2	847.8
12.5°	824.0	827.8	835.5	843.2	850.1	857.8	864.7	870.1	875.4	876.9	880.1
15°	853.2	857.8	869.3	880.1	888.5	898.5	907.7	918.4	928.5	930.7	932.3
17.5°	896.9	906.1	914.6	933.8	946.1	959.2	973.8	989.1	992.2	1008.3	1012.1
20°	959.2	970.7	978.3	1002.1	1022.9	1039.8	1061.3	1079.0	1085.9	1101.2	1116.6
22.5°	1066.7	1064.4	1075.9	1099.7	1115.1	1148.8	1167.3	1185.7	1194.9	1218.0	1230.2
25°	1211.1	1223.4	1248.7	1251.0	1265.6	1304.8	1328.6	1347.0	1347.7	1354.6	1367.7
27.5°	1353.1	1403.8	1443.7	1465.2	1504.4	1540.5	1539.0	1565.0	1524.4	1532.8	1545.1
30°	1525.1	1609.6	1684.8	1735.5	1775.5	1817.7	1838.4	1853.0	1835.4	1827.6	1813.1
32.5°	1686.4	1804.7	1920.6	2010.4	2084.9	2154.8	2200.9	2221.6	2246.2	2308.4	2330.7
35°	1796.9	1964.4	2108.8	2238.5	2362.9	2474.2	2554.9	2601.0	2583.4	2574.9	2570.2
37.5°	1863.0	2067.3	2247.7	2431.3	2574.2	2740.8	2866.0	2987.3	3014.9	2966.5	2942.7
40°	1904.5	2146.3	2378.3	2594.8	2779.9	2994.9	3150.1	3332.1	3470.3	3488.8	3431.9
42.5°	1924.5	2199.4	2469.7	2714.6	2965.0	3228.4	3425.0	3645.4	3851.9	3994.1	3958.7
45°	1927.5	2234.0	2536.5	2822.9	3120.9	3433.4	3686.8	3931.1	4207.6	4450.9	4457.9
47.5°	1927.5	2260.0	2582.5	2901.2	3260.7	3611.6	3888.0	4176.8	4515.5	4803.5	4891.8
50°	1929.0	2277.7	2625.6	2962.7	3367.4	3762.1	4074.6	4415.7	4771.9	5085.2	5255.8
52.5°	1935.9	2290.7	2659.4	3006.4	3436.5	3868.1	4219.8	4613.0	4967.8	5289.5	5509.9
55°	1951.4	2309.2	2683.9	3033.3	3482.6	3937.2	4325.0	4748.1	5094.4	5420.9	5728.8
57.5°	1994.3	2341.4	2713.9	3057.1	3507.9	3982.5	4398.7	4806.5	5142.8	5483.0	5844.8
60°	2080.3	2409.8	2765.3	3104.8	3550.2	4066.3	4434.1	4767.4	5107.6	5464.6	5870.8
62.5°	2217.8	2516.5	2836.8	3185.4	3670.7	4196.0	4407.2	4650.6	4968.5	5357.9	5777.9
63°	2265.4	2539.6	2852.9	3203.1	3703.7	4219.8	4395.7	4616.0	4940.1	5324.1	5745.0
65°	2398.2	2641.7	2929.7	3292.1	3839.7	4243.7	4305.8	4436.4	4743.6	5131.4	5549.9
67.5°	2646.3	2889.8	3094.8	3442.6	3954.1	4149.9	4027.1	4043.2	4364.2	4765.8	5142.1
70°	2803.0	3093.2	3200.0	3461.9	3933.3	4010.9	3666.2	3452.7	3709.9	4167.6	4497.1
72.5°	2762.2	3095.6	3084.0	3206.2	3518.7	3590.9	3233.8	2897.4	3050.3	3391.9	3605.4
75°	2366.0	2764.6	2680.1	2655.6	2765.3	2812.9	2544.9	2493.5	2686.2	2875.9	2879.0
77.5°	1703.3	2141.8	2042.7	1900.7	1892.9	2002.8	2038.9	2376.0	2660.9	2810.6	2744.6
80°	1085.1	1560.5	1457.5	1209.5	1205.7	1348.5	1665.7	2124.1	2425.9	2509.6	2337.6
82.5°	566.7	1021.3	1060.5	907.7	1039.0	1275.5	1585.0	1711.7	1826.2	1837.7	1634.9
85°	353.2	628.2	738.8	762.5	938.4	1131.2	1128.8	1084.3	1033.7	884.7	800.2
87.5°	39.9	79.1	119.8	113.7	152.8	214.2	267.3	156.7	109.9	39.9	55.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	797.9	798.6	799.4	799.4	803.3	802.5	803.3	804.8	807.1	808.7	810.1
5°	804.0	804.0	807.1	809.4	814.1	817.1	818.6	823.3	828.6	827.1	831.6
7.5°	824.0	823.3	826.3	827.8	831.6	837.0	836.3	840.1	844.7	846.2	850.1
10°	850.9	848.6	848.6	847.1	847.8	846.2	846.2	846.2	849.3	848.6	851.6
12.5°	878.5	877.8	876.2	871.6	871.6	865.5	862.4	858.5	857.8	852.4	853.2
15°	935.4	935.4	932.3	923.1	915.4	910.0	902.3	896.9	889.3	879.3	873.9
17.5°	1018.2	1007.5	1003.7	1002.1	989.9	985.2	968.4	950.7	942.2	928.5	920.7
20°	1119.6	1117.3	1102.0	1094.3	1079.0	1057.4	1035.9	1012.9	999.1	982.1	972.9
22.5°	1234.1	1217.2	1209.5	1198.0	1174.1	1149.6	1117.3	1086.6	1065.1	1053.6	1046.7
25°	1367.7	1350.8	1343.1	1327.7	1298.6	1272.5	1232.6	1196.5	1177.2	1158.1	1147.3
27.5°	1545.1	1528.9	1519.7	1479.8	1469.9	1426.8	1377.7	1328.6	1303.2	1274.8	1256.4
30°	1810.1	1810.8	1763.2	1714.8	1664.8	1590.4	1539.0	1483.6	1442.1	1401.5	1360.8
32.5°	2257.7	2143.3	2055.0	1951.4	1843.1	1763.9	1700.2	1634.1	1576.6	1517.4	1449.9
35°	2531.1	2475.8	2361.4	2171.7	2062.7	1966.7	1896.0	1816.2	1745.5	1641.0	1538.1
37.5°	2839.8	2711.6	2572.6	2467.4	2343.7	2232.4	2114.2	2023.5	1901.4	1760.8	1615.0
40°	3290.6	3107.1	2939.6	2798.3	2638.6	2521.9	2389.8	2258.5	2096.5	1892.9	1692.6
42.5°	3761.3	3571.6	3350.5	3167.0	2978.8	2842.2	2678.5	2494.2	2256.2	2004.3	1759.4
45°	4255.1	4001.7	3736.8	3512.6	3316.7	3147.0	2944.3	2700.0	2409.8	2104.1	1821.5
47.5°	4742.0	4450.9	4135.4	3894.2	3639.3	3431.9	3183.1	2874.3	2529.6	2198.6	1883.7
50°	5171.3	4891.0	4510.8	4204.4	3946.4	3690.7	3380.5	3008.8	2624.0	2280.0	1939.8
52.5°	5541.4	5300.3	4900.2	4513.1	4215.9	3928.8	3539.4	3117.0	2719.3	2355.3	1985.9
55°	5813.2	5652.8	5284.1	4804.2	4453.2	4110.7	3673.8	3221.5	2809.1	2415.2	2015.8
57.5°	6018.3	5929.2	5612.9	5078.4	4671.4	4287.4	3812.8	3346.6	2898.2	2466.6	2029.7
60°	6130.5	6155.0	5861.6	5318.0	4864.1	4434.8	3951.8	3453.4	2964.2	2496.6	2022.0
62.5°	6119.7	6270.2	6048.2	5465.4	4976.2	4522.4	4045.5	3503.3	2955.0	2448.9	1952.1
63°	6098.9	6274.0	6069.0	5475.4	4983.1	4525.4	4047.7	3496.4	2935.8	2425.9	1924.5
65°	5920.0	6185.7	6051.3	5430.1	4921.7	4467.8	3999.4	3396.6	2800.7	2302.2	1782.3
67.5°	5440.8	5773.3	5734.9	5109.8	4630.6	4229.8	3752.1	3074.8	2466.6	1998.2	1510.5
70°	4649.1	4961.6	4968.5	4444.0	4043.9	3650.7	3253.7	2502.0	1955.2	1548.9	1126.5
72.5°	3563.2	3764.4	3834.3	3488.8	3220.8	2944.3	2587.9	1816.2	1393.8	1053.6	733.4
75°	2759.2	2703.9	2703.1	2557.2	2448.2	2313.0	1921.4	1225.6	915.4	685.0	448.5
77.5°	2480.4	2234.7	1996.7	1821.5	1734.0	1688.7	1260.2	738.8	539.8	394.0	258.0
80°	2045.8	1683.4	1360.0	1171.1	1095.8	1148.1	702.7	399.4	295.6	224.3	167.4
82.5°	1410.7	1171.1	890.1	737.2	632.7	662.0	359.4	204.3	136.7	125.2	103.6
85°	734.9	644.3	543.7	466.9	412.4	362.4	186.6	97.5	56.8	50.0	45.3
87.5°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	812.5	811.7	813.2	814.1	816.3	817.9	818.6	817.1	819.4	821.7	820.2
5°	834.0	839.4	840.1	842.4	842.4	847.1	847.1	847.1	846.2	847.1	845.5
7.5°	852.4	859.4	860.1	863.2	863.9	869.3	867.0	868.6	868.6	864.7	863.2
10°	854.7	861.6	865.5	869.3	874.7	881.6	881.6	885.4	885.4	882.3	881.6
12.5°	855.4	860.8	864.7	870.1	877.8	887.7	893.1	898.5	900.7	900.0	897.7
15°	871.6	871.6	872.4	876.9	882.3	894.6	902.3	908.5	912.3	910.8	906.9
17.5°	913.9	907.7	903.1	895.4	896.9	903.1	907.7	913.0	913.9	912.3	906.1
20°	963.0	955.4	943.8	931.5	925.4	920.7	917.7	917.7	915.4	907.7	897.7
22.5°	1032.8	1022.9	1006.8	988.4	976.0	961.5	943.8	926.9	908.5	890.1	868.6
25°	1129.6	1115.8	1098.9	1070.5	1044.4	1013.7	977.6	939.9	896.2	857.8	826.3
27.5°	1227.2	1196.5	1152.7	1113.5	1065.1	1019.1	967.6	921.5	865.5	819.4	784.8
30°	1307.8	1249.4	1186.4	1124.3	1060.5	998.3	936.8	881.6	820.2	773.3	739.5
32.5°	1370.0	1289.4	1201.8	1120.4	1042.1	966.1	895.4	834.0	771.8	723.4	687.3
35°	1427.6	1315.4	1204.1	1103.5	1006.8	927.6	847.8	781.0	715.0	664.3	625.1
37.5°	1470.6	1327.7	1190.3	1072.0	960.7	872.4	791.0	722.6	655.1	599.7	555.3
40°	1498.2	1320.1	1160.4	1026.7	906.1	813.2	730.3	659.6	594.4	533.7	480.0
42.5°	1520.5	1310.1	1130.4	985.2	863.2	761.8	676.6	600.6	534.5	468.5	409.3
45°	1553.5	1317.8	1117.3	956.1	824.7	718.1	624.4	545.2	476.1	411.6	354.8
47.5°	1585.8	1321.6	1098.1	920.0	776.4	672.7	577.5	500.7	430.0	370.9	318.7
50°	1615.0	1319.4	1068.2	873.9	729.5	627.4	535.3	458.4	388.6	334.0	284.9
52.5°	1628.8	1306.2	1031.4	829.4	691.9	587.4	493.8	419.3	350.1	298.7	253.4
55°	1627.3	1272.5	983.0	787.2	650.4	545.2	453.1	379.4	317.1	269.6	230.4
57.5°	1604.2	1220.3	931.5	740.3	595.9	493.0	405.5	334.0	281.9	241.9	208.8
60°	1555.8	1153.4	863.9	671.9	527.5	428.5	346.3	284.9	242.7	211.9	190.4
62.5°	1465.2	1057.4	779.4	576.7	435.4	344.8	273.4	233.5	202.0	183.5	173.6
63°	1438.3	1031.4	743.4	553.7	414.0	325.6	258.0	216.6	193.5	177.4	168.2
65°	1304.8	903.1	622.1	447.0	321.8	251.1	207.4	175.8	162.0	155.2	154.3
67.5°	1056.7	710.3	440.0	306.4	218.9	181.2	159.0	145.9	139.7	138.2	139.7
70°	741.9	448.5	279.5	203.5	162.0	145.9	135.9	130.5	126.7	127.4	129.0
72.5°	473.0	268.7	192.0	154.3	136.7	128.3	123.6	122.1	121.3	120.6	120.6
75°	269.6	178.9	147.4	133.6	124.4	117.5	113.7	112.1	112.9	113.7	112.1
77.5°	178.1	147.4	131.3	122.1	113.7	106.0	103.6	102.9	104.5	106.0	106.0
80°	140.6	131.3	122.1	112.9	99.1	93.7	95.3	96.0	95.3	96.0	93.7
82.5°	99.1	97.5	99.8	96.0	82.1	77.6	76.0	76.8	75.3	75.3	73.8
85°	46.0	46.0	48.4	48.4	46.9	47.6	51.4	56.1	58.3	56.1	53.0
87.5°	0.0	0.0	0.0	0.0	0.0	6.9	13.9	20.0	21.5	26.9	26.1
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: P180983

CATALOG NUMBER: ICM-F03-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	817.9	819.4	818.6	817.9	819.4	817.9	818.6	817.9	817.9	817.1	817.1
5°	844.0	846.2	841.7	840.8	839.4	835.5	835.5	834.0	834.0	830.9	828.6
7.5°	860.8	861.6	857.8	857.0	853.2	849.3	846.2	843.2	842.4	840.1	835.5
10°	876.9	875.4	872.4	868.6	864.7	859.4	855.4	851.6	850.9	847.1	841.7
12.5°	890.8	890.1	883.9	880.1	873.9	868.6	863.9	859.4	857.0	852.4	844.7
15°	900.0	895.4	887.7	880.8	873.9	867.7	862.4	857.0	854.7	849.3	841.7
17.5°	896.2	887.7	877.8	869.3	860.1	852.4	847.8	842.4	838.6	835.5	824.7
20°	882.3	870.1	854.7	844.7	832.5	822.4	819.4	814.1	811.0	799.4	785.6
22.5°	846.2	828.6	809.4	794.8	781.0	771.0	763.4	758.0	750.2	743.4	721.9
25°	800.9	781.0	761.0	743.4	724.9	709.6	695.7	682.7	678.9	664.3	643.5
27.5°	757.2	734.9	715.0	694.2	670.4	651.2	627.4	608.9	596.7	581.3	562.1
30°	710.3	688.1	661.2	633.6	605.9	585.1	558.3	536.0	520.7	504.6	486.9
32.5°	651.2	624.4	592.1	561.4	536.0	511.4	484.6	463.1	447.7	433.1	416.2
35°	583.6	548.3	513.8	480.0	453.1	432.4	408.6	392.4	381.7	368.7	351.0
37.5°	506.0	466.1	429.3	403.2	379.4	359.4	342.5	332.6	321.0	314.0	303.4
40°	427.7	388.6	352.5	328.7	308.7	297.2	288.0	285.7	278.0	268.7	261.9
42.5°	358.6	321.0	285.7	266.5	253.4	250.3	245.8	245.8	241.9	235.0	230.4
45°	311.8	272.7	241.9	228.1	221.2	220.4	218.0	218.0	217.3	214.2	208.8
47.5°	278.0	242.7	218.9	210.4	208.8	207.4	205.0	204.3	203.5	201.2	198.1
50°	247.3	217.3	202.0	198.1	198.9	196.6	194.3	192.0	191.3	188.9	185.9
52.5°	218.9	197.4	187.3	185.1	185.1	185.1	183.5	183.5	182.0	181.2	178.1
55°	202.7	186.6	181.2	180.5	179.7	178.9	177.4	177.4	175.8	175.1	171.3
57.5°	188.9	178.9	175.8	174.3	173.6	172.0	171.3	171.3	171.3	171.3	166.6
60°	178.1	173.6	172.7	171.3	170.5	167.4	165.9	165.1	165.9	166.6	162.0
62.5°	166.6	165.9	165.1	163.5	162.8	159.7	157.4	155.9	157.4	159.0	158.2
63°	163.5	162.8	162.8	162.0	161.3	157.4	155.2	153.6	155.2	156.7	156.7
65°	152.8	153.6	153.6	152.8	152.1	149.8	146.7	145.1	145.9	148.2	149.0
67.5°	141.3	142.0	141.3	142.0	141.3	139.7	137.5	135.9	135.2	135.9	136.7
70°	130.5	132.1	131.3	130.5	129.8	129.8	128.3	126.0	125.2	124.4	124.4
72.5°	121.3	121.3	119.8	119.8	119.1	119.1	117.5	115.2	114.4	114.4	112.9
75°	111.3	111.3	109.0	109.0	107.5	108.3	106.7	104.5	103.6	103.6	102.9
77.5°	105.2	102.9	99.1	98.3	97.5	97.5	96.7	94.4	93.7	93.7	92.9
80°	92.9	88.3	84.5	83.7	84.5	86.0	86.0	84.5	84.5	84.5	84.5
82.5°	72.2	70.6	68.4	66.8	66.8	69.1	72.2	73.8	75.3	76.8	76.8
85°	53.0	53.8	53.0	50.7	50.0	52.2	55.3	58.3	59.2	62.2	61.4
87.5°	28.4	29.2	26.9	26.1	28.4	30.0	33.0	33.8	35.3	36.1	36.8
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	816.3	815.5	816.3	814.8	814.8	813.2	811.7	811.0	809.4	808.7	807.1
5°	830.1	827.8	825.5	824.7	821.7	818.6	816.3	812.5	809.4	804.0	802.5
7.5°	839.4	834.0	830.9	830.1	825.5	823.3	817.9	813.2	808.7	801.7	799.4
10°	843.2	837.8	832.5	830.1	824.7	820.9	815.5	808.7	804.8	797.9	796.4
12.5°	847.8	837.8	829.4	823.3	815.5	807.1	801.7	797.9	792.5	788.7	787.2
15°	839.4	826.3	813.2	801.7	789.4	780.2	774.9	768.7	762.5	760.3	760.3
17.5°	816.3	799.4	777.1	762.5	749.5	739.5	732.7	726.4	725.7	722.6	724.2
20°	768.7	746.4	724.9	714.1	706.5	700.4	693.4	690.3	688.1	683.4	682.0
22.5°	702.7	684.2	668.8	661.2	655.1	647.4	641.2	632.0	629.7	625.1	622.8
25°	629.7	615.1	602.1	596.7	592.8	582.1	578.2	566.0	557.5	552.2	555.3
27.5°	556.7	546.0	533.7	526.8	524.5	514.5	510.7	496.8	490.0	490.0	482.2
30°	481.5	471.5	463.8	456.2	454.6	442.3	432.4	427.0	419.3	416.2	410.9
32.5°	410.9	400.8	394.7	390.9	384.7	374.8	364.7	355.5	343.3	338.7	336.4
35°	345.6	337.9	330.2	327.2	318.7	307.9	295.6	288.0	273.4	268.0	265.7
37.5°	295.6	286.4	281.0	272.7	264.2	252.7	243.4	236.6	231.2	228.8	228.8
40°	255.7	248.8	242.7	235.7	228.8	222.7	218.0	216.6	215.8	215.8	217.3
42.5°	225.8	219.6	216.6	212.7	210.4	210.4	209.7	210.4	211.2	211.9	214.2
45°	205.8	202.0	200.5	199.6	201.2	202.7	203.5	205.0	208.1	209.7	210.4
47.5°	195.1	192.0	191.3	192.0	194.3	197.4	200.5	202.7	205.0	205.8	206.6
50°	184.3	180.5	178.9	180.5	183.5	188.2	190.4	194.3	195.8	197.4	195.8
52.5°	175.1	172.0	171.3	171.3	174.3	177.4	180.5	183.5	184.3	184.3	183.5
55°	167.4	165.1	162.8	164.4	166.6	169.7	174.3	176.7	178.1	178.9	178.9
57.5°	161.3	159.0	156.7	158.2	160.5	163.5	168.2	170.5	172.0	174.3	175.1
60°	156.7	153.6	151.3	153.6	155.9	160.5	164.4	166.6	170.5	171.3	171.3
62.5°	152.1	149.0	145.1	147.4	147.4	149.8	153.6	156.7	160.5	162.0	162.0
63°	151.3	148.2	144.4	145.9	145.9	147.4	150.5	153.6	158.2	159.7	159.0
65°	145.1	144.4	140.6	140.6	139.0	140.6	142.8	145.9	148.2	150.5	150.5
67.5°	135.2	134.4	133.6	133.6	133.6	135.2	136.7	139.0	141.3	142.8	142.0
70°	123.6	123.6	123.6	124.4	124.4	126.0	126.7	126.0	128.3	129.8	129.0
72.5°	113.7	112.9	112.1	113.7	112.9	112.9	114.4	113.7	116.0	116.0	116.7
75°	102.9	102.1	102.1	102.9	101.4	99.8	100.6	100.6	101.4	101.4	102.9
77.5°	93.7	93.7	93.7	92.9	91.3	90.6	89.9	89.9	89.9	89.9	90.6
80°	85.2	85.2	85.2	84.5	83.0	81.4	79.9	79.1	78.3	74.5	74.5
82.5°	76.8	76.8	76.8	76.8	76.0	74.5	72.2	66.0	63.0	59.9	60.7
85°	60.7	62.2	63.7	66.0	65.3	65.3	60.7	53.0	48.4	45.3	46.0
87.5°	39.2	34.5	34.5	33.8	32.3	30.7	30.7	26.1	21.5	19.2	20.0
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	0°
2.5°	807.1	805.6	804.0	804.0	801.7	801.7	800.2	803.3	800.2	797.9	797.9	2.5°
5°	800.9	799.4	794.8	794.1	791.0	791.0	791.0	789.4	789.4	787.9	787.2	5°
7.5°	797.1	793.3	789.4	787.2	787.2	785.6	788.7	787.2	787.9	787.9	788.7	7.5°
10°	794.1	791.0	789.4	788.7	788.7	791.0	793.3	794.1	793.3	794.1	794.1	10°
12.5°	786.3	787.9	788.7	791.7	795.5	800.2	805.6	806.3	807.9	807.9	809.4	12.5°
15°	761.8	765.6	770.2	778.0	787.9	797.9	807.9	816.3	824.0	827.8	830.9	15°
17.5°	727.3	731.1	739.5	748.0	761.0	775.6	792.5	807.1	823.3	837.8	852.4	17.5°
20°	680.4	686.5	688.8	704.2	719.5	739.5	759.4	782.5	810.1	837.8	866.2	20°
22.5°	619.7	626.6	637.4	649.7	665.8	690.3	714.1	750.2	787.2	826.3	870.8	22.5°
25°	552.2	559.8	569.0	582.1	598.2	624.4	658.9	697.3	742.6	794.1	849.3	25°
27.5°	482.2	490.0	497.6	506.8	525.3	552.9	593.6	633.6	683.4	739.5	804.0	27.5°
30°	412.4	413.1	417.8	429.3	448.5	484.6	514.5	564.5	616.7	675.8	750.2	30°
32.5°	335.6	334.8	340.2	350.1	368.7	403.2	440.0	488.4	539.8	614.3	691.2	32.5°
35°	267.3	267.3	277.2	287.2	307.9	332.6	364.7	407.8	468.5	537.6	614.3	35°
37.5°	231.2	236.6	242.7	252.7	268.7	288.0	316.4	354.0	401.6	467.6	538.3	37.5°
40°	219.6	222.7	228.1	237.3	251.1	268.7	289.5	318.0	354.8	407.8	472.3	40°
42.5°	215.0	215.8	218.9	225.8	238.0	255.7	277.2	302.6	330.2	367.8	423.9	42.5°
45°	210.4	209.7	211.2	216.6	226.5	246.5	271.1	298.7	326.3	357.9	403.9	45°
47.5°	206.6	206.6	206.6	208.8	218.0	238.0	266.5	298.7	331.7	367.1	412.4	47.5°
50°	195.8	195.1	195.1	196.6	203.5	225.0	258.8	298.0	340.9	387.1	438.5	50°
52.5°	183.5	183.5	184.3	185.1	191.3	212.7	250.3	298.0	351.7	413.1	477.7	52.5°
55°	179.7	180.5	181.2	180.5	185.1	203.5	241.1	293.4	356.3	433.9	519.9	55°
57.5°	176.7	178.1	178.1	177.4	180.5	195.8	231.9	284.1	352.5	441.6	549.9	57.5°
60°	172.0	172.0	172.0	169.7	171.3	185.1	218.0	269.6	340.2	434.6	554.4	60°
62.5°	162.0	162.0	160.5	159.7	159.0	169.7	199.6	248.0	318.0	416.2	542.9	62.5°
63°	159.7	159.0	159.0	156.7	156.7	166.6	195.8	244.9	311.8	411.6	538.3	63°
65°	151.3	151.3	151.3	149.8	149.0	156.7	180.5	223.4	288.0	390.1	515.3	65°
67.5°	142.0	142.8	141.3	140.6	139.7	144.4	162.8	196.6	251.1	344.8	472.3	67.5°
70°	129.0	129.8	129.8	129.0	128.3	131.3	142.8	168.9	208.1	287.2	402.4	70°
72.5°	117.5	119.1	119.1	120.6	120.6	122.9	127.4	140.6	166.6	224.3	316.4	72.5°
75°	105.2	106.0	107.5	109.0	107.5	106.7	107.5	117.5	130.5	165.9	225.8	75°
77.5°	94.4	96.7	96.7	96.0	93.7	92.2	92.2	96.7	107.5	126.0	161.3	77.5°
80°	78.3	82.1	83.0	80.7	78.3	78.3	79.9	83.0	89.9	103.6	122.1	80°
82.5°	63.0	66.8	67.5	68.4	67.5	69.9	69.9	70.6	74.5	85.2	99.8	82.5°
85°	48.4	51.4	53.8	54.5	55.3	56.1	55.3	51.4	53.8	60.7	67.5	85°
87.5°	21.5	22.2	20.7	21.5	20.7	21.5	22.2	18.4	17.7	23.8	24.6	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
805.6	805.6	805.6	805.6	805.6	805.6	805.6
797.1	797.1	797.9	796.4	796.4	797.1	794.8
784.8	787.9	787.9	787.9	786.3	787.9	788.7
787.9	790.2	791.7	791.7	791.0	794.1	796.4
791.7	795.5	797.1	797.1	797.1	800.9	806.3
806.3	809.4	811.7	811.7	813.2	817.9	824.0
833.2	837.0	837.0	836.3	840.8	846.2	853.2
863.2	873.9	879.3	878.5	882.3	889.3	896.9
891.5	921.5	934.6	943.8	947.6	956.8	959.2
915.4	965.3	1001.4	1032.1	1046.7	1055.9	1066.7
906.9	974.5	1039.0	1102.0	1146.5	1191.8	1211.1
872.4	956.8	1041.3	1133.5	1214.1	1294.7	1353.1
830.1	931.5	1045.1	1175.7	1303.2	1426.8	1525.1
781.8	907.7	1053.6	1214.9	1382.2	1544.3	1686.4
721.1	862.4	1032.8	1218.7	1416.1	1612.7	1796.9
644.3	800.9	984.5	1191.1	1417.6	1642.6	1863.0
567.5	723.4	923.1	1151.2	1397.7	1649.5	1904.5
513.8	654.2	860.8	1100.5	1365.4	1638.8	1924.5
476.9	604.4	805.6	1054.3	1330.8	1619.5	1927.5
473.8	582.9	769.5	1020.6	1303.2	1602.7	1927.5
499.9	594.4	757.2	1003.7	1291.6	1597.3	1929.0
549.1	640.5	779.4	1016.8	1300.8	1604.2	1935.9
608.2	710.3	839.4	1062.1	1340.0	1627.3	1951.4
662.0	791.0	941.5	1149.6	1411.5	1685.6	1994.3
693.4	860.1	1049.8	1272.5	1533.6	1801.6	2080.3
697.3	898.5	1145.8	1406.1	1681.8	1934.4	2217.8
694.2	901.6	1158.1	1431.5	1713.2	1967.5	2265.4
677.3	902.3	1192.6	1520.5	1822.3	2106.4	2398.2
634.3	877.8	1204.8	1590.4	1959.7	2289.2	2646.3
559.8	807.9	1168.8	1591.9	2012.8	2391.4	2803.0
450.0	675.0	1012.9	1448.3	1873.0	2290.7	2762.2
329.5	496.1	765.6	1122.0	1528.2	1906.8	2366.0
218.9	321.0	516.1	799.4	1095.8	1372.3	1703.3
150.5	198.9	301.8	480.7	670.4	804.8	1085.1
110.6	131.3	167.4	245.8	322.5	397.0	566.7
69.1	75.3	83.7	121.3	173.6	234.2	353.2
18.4	19.2	17.7	23.8	37.7	36.1	39.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)