

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: P181474

Luminaire Tested: **ICM-F06-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181474
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-T3
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14209.5 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

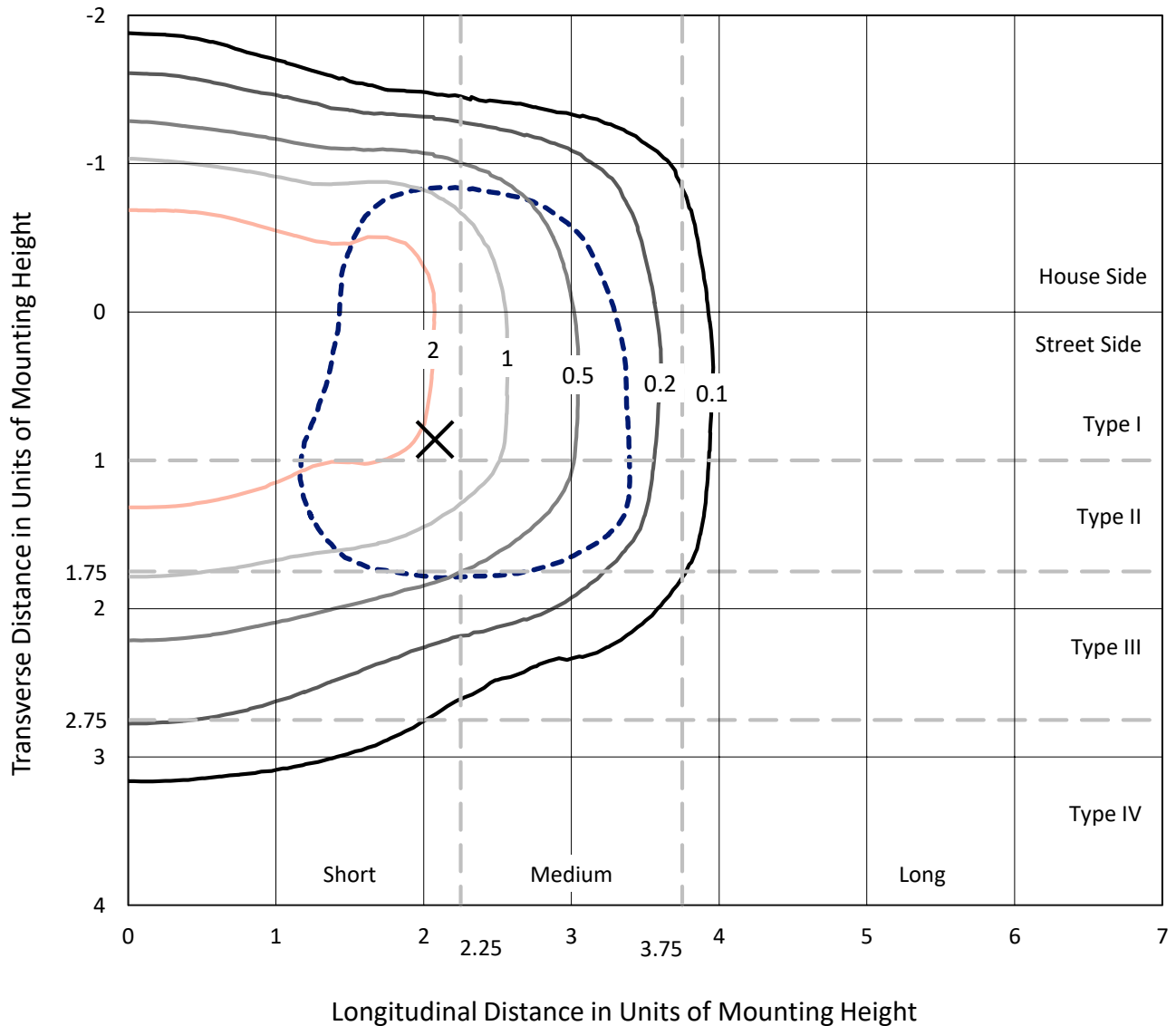
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181474
 CATALOG NUMBER: ICM-F06-LED-E1-T3

Iso-Footcandle Lines of Horizontal Illumination

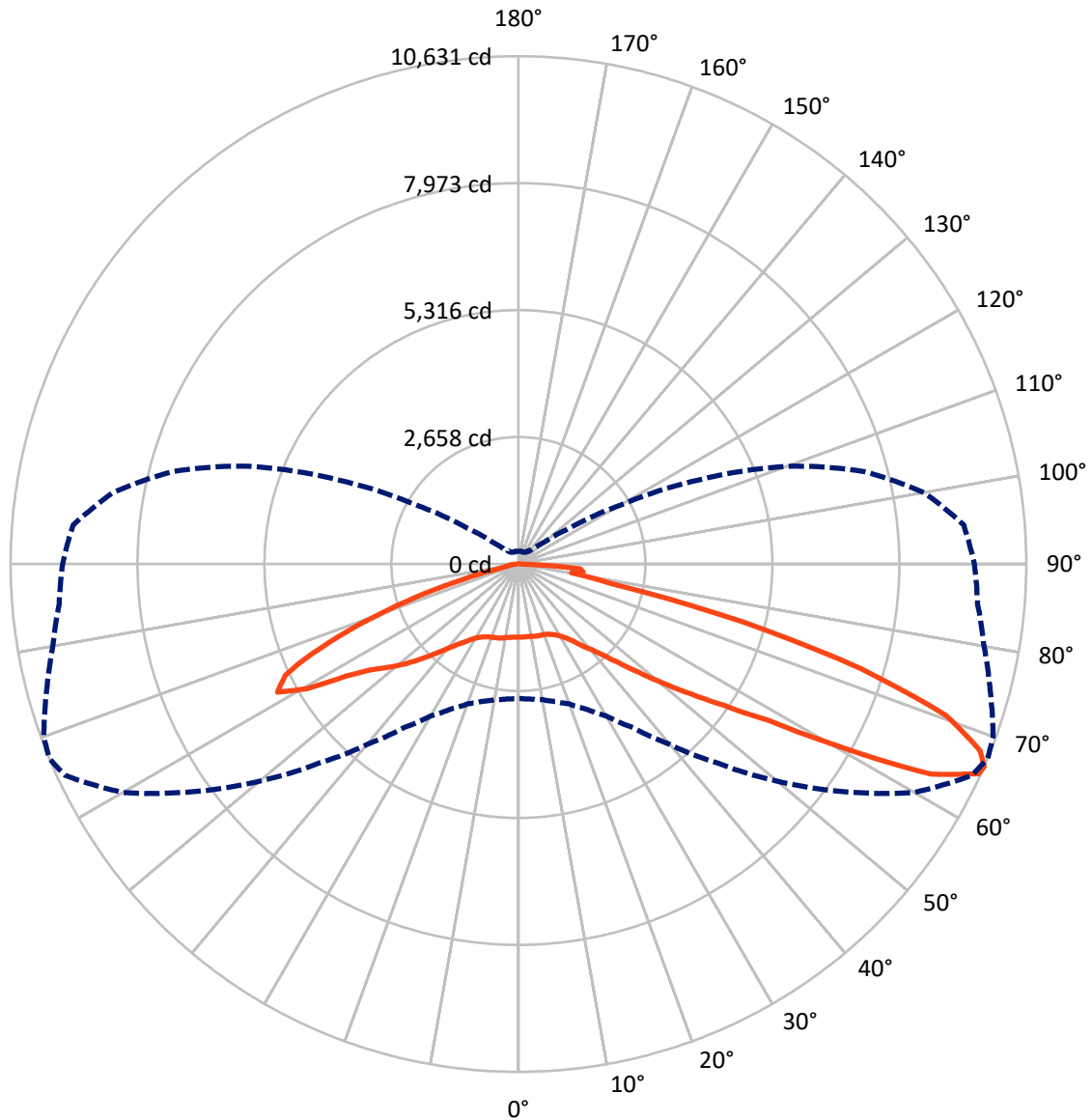
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P181474
CATALOG NUMBER: ICM-F06-LED-E1-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P181474

CATALOG NUMBER: ICM-F06-LED-E1-T3

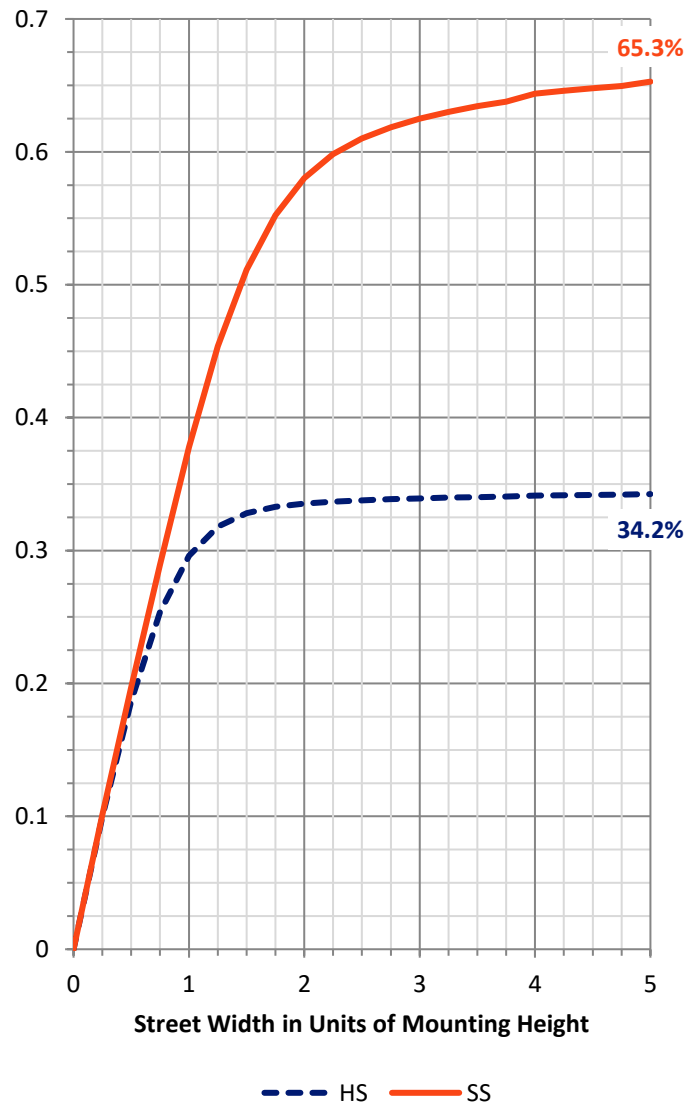
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4907.0	0.0	4907.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	9302.5	0.0	9302.5
	% Fixture	65.5	0.0	65.5
Total	Lumens	14209.5	0.0	14209.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.7	1.0
10°-20°	432.8	3.0
20°-30°	743.9	5.2
30°-40°	1207.9	8.5
40°-50°	2016.6	14.2
50°-60°	3175.4	22.3
60°-70°	4330.0	30.5
70°-80°	1874.4	13.2
80°-90°	281.8	2.0
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°	14209.5	100.0
0°-180°	14209.5	100.0



REPORT NUMBER: P181474

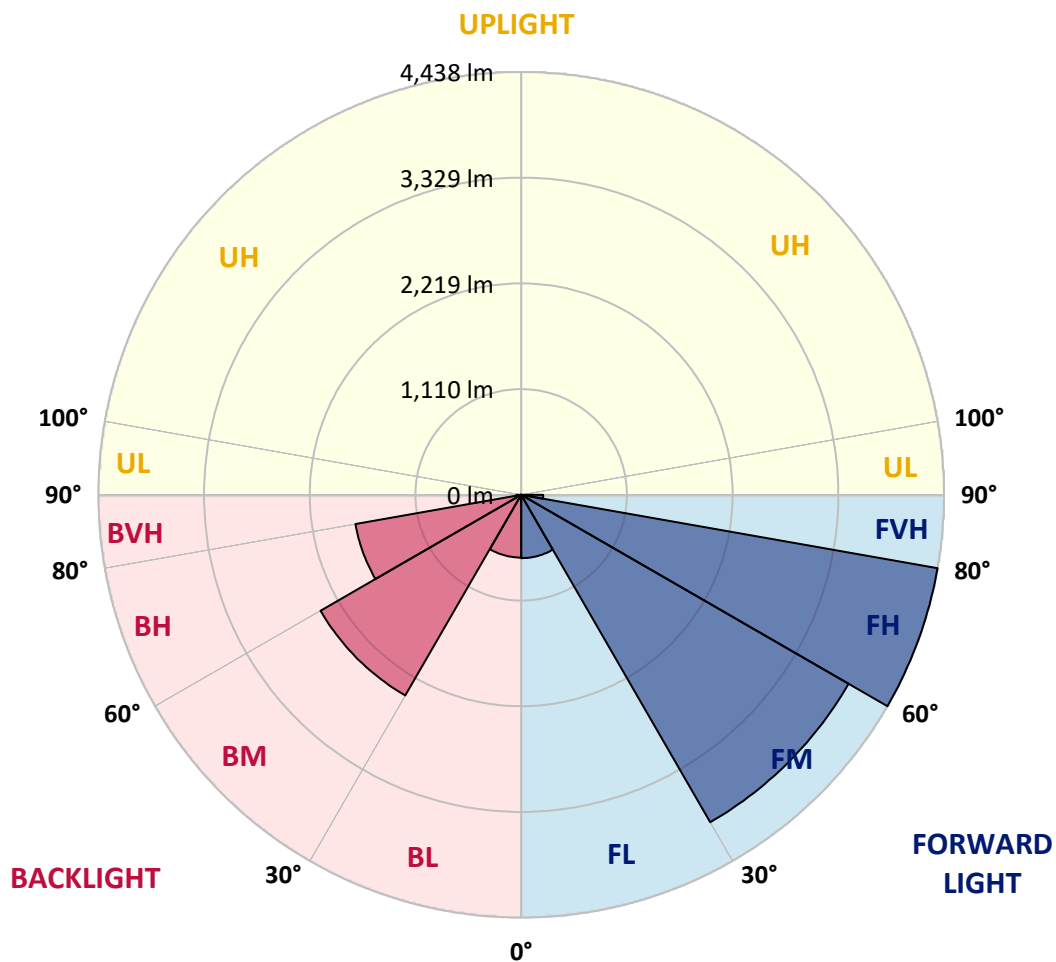
CATALOG NUMBER: ICM-F06-LED-E1-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	664.7	4.7			
FM	(30°-60°)	3968.2	27.9			
FH	(60°-80°)	4438.1	31.2			G2/5000
FVH	(80°-90°)	231.4	1.6			G3/500
BL	(0°-30°)	658.7	4.6	B2/1000		
BM	(30°-60°)	2431.6	17.1	B2/2500		
BH	(60°-80°)	1766.3	12.4	B3/2500		G3/2500
BVH	(80°-90°)	50.4	0.4			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 III Short





REPORT NUMBER: P181474

CATALOG NUMBER: ICM-F06-LED-E1-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3
2.5°	1537.4	1543.5	1537.4	1539.0	1540.5	1539.0	1537.4	1537.4	1532.8	1535.8	1539.0
5°	1531.3	1535.8	1534.3	1535.8	1537.4	1535.8	1534.3	1535.8	1532.8	1534.3	1539.0
7.5°	1523.5	1522.1	1523.5	1526.6	1529.7	1529.7	1529.7	1531.3	1529.7	1529.7	1534.3
10°	1500.6	1502.1	1505.1	1509.8	1511.3	1515.9	1515.9	1520.5	1522.1	1525.1	1531.3
12.5°	1471.4	1472.9	1476.0	1479.1	1486.7	1494.4	1494.4	1505.1	1509.8	1517.4	1528.2
15°	1449.9	1451.4	1454.4	1457.5	1463.7	1471.4	1476.0	1488.3	1495.9	1509.8	1525.1
17.5°	1462.1	1460.6	1463.7	1465.2	1465.2	1471.4	1471.4	1480.6	1489.8	1502.1	1522.1
20°	1497.5	1497.5	1500.6	1500.6	1499.0	1502.1	1495.9	1495.9	1497.5	1503.6	1517.4
22.5°	1532.8	1531.3	1537.4	1540.5	1542.1	1546.6	1540.5	1539.0	1531.3	1526.6	1531.3
25°	1566.6	1565.0	1572.8	1577.3	1585.0	1589.6	1589.6	1589.6	1583.5	1575.8	1571.2
27.5°	1618.8	1618.8	1626.5	1631.1	1637.2	1646.4	1651.1	1651.1	1652.6	1641.9	1634.1
30°	1706.3	1707.9	1709.4	1715.5	1721.7	1724.8	1730.9	1735.5	1740.1	1734.0	1721.7
32.5°	1810.8	1801.6	1801.6	1810.8	1818.4	1827.6	1830.8	1836.9	1846.2	1841.5	1840.0
35°	1935.2	1932.1	1929.0	1932.1	1941.3	1952.1	1964.4	1975.2	1968.9	1978.2	1973.6
37.5°	2119.5	2122.6	2124.1	2124.1	2122.6	2125.7	2131.8	2142.5	2139.5	2142.5	2148.7
40°	2423.6	2412.9	2402.1	2403.6	2388.3	2391.4	2366.8	2377.5	2379.1	2368.3	2372.9
42.5°	2727.7	2733.9	2738.4	2750.7	2740.0	2733.9	2710.8	2710.8	2698.5	2687.7	2684.7
45°	3056.4	3068.7	3070.2	3094.8	3085.6	3105.5	3122.4	3117.8	3097.9	3096.3	3074.8
47.5°	3319.0	3339.0	3360.5	3389.7	3412.7	3457.2	3509.4	3535.6	3550.9	3563.2	3538.6
50°	3515.6	3524.9	3580.1	3626.2	3676.9	3750.6	3822.8	3916.5	3991.7	4027.1	4060.9
52.5°	3621.6	3644.6	3704.5	3776.7	3865.8	3976.4	4093.0	4242.1	4371.1	4457.1	4533.9
55°	3644.6	3667.7	3735.3	3827.4	3948.7	4097.7	4265.1	4467.8	4661.3	4827.2	4988.5
57.5°	3580.1	3606.3	3678.4	3784.4	3927.2	4108.5	4318.9	4584.6	4851.8	5120.6	5358.6
60°	3461.9	3494.1	3560.1	3664.6	3822.8	4027.1	4278.9	4612.2	4987.0	5398.5	5854.7
62.5°	3266.8	3300.6	3362.0	3477.2	3640.0	3865.8	4157.6	4572.3	5102.2	5750.3	6559.7
65°	2953.5	2968.9	3044.1	3160.9	3305.2	3554.0	3875.0	4375.7	5065.3	5966.8	7081.9
66°	2812.2	2838.2	2884.4	2978.1	3116.3	3349.7	3672.3	4180.7	4925.5	5891.6	7068.0
67.5°	2591.0	2611.0	2641.7	2704.7	2789.1	2961.1	3266.8	3747.6	4498.5	5510.7	6774.7
70°	2094.9	2104.1	2145.6	2167.1	2196.3	2253.1	2363.7	2640.2	3225.3	4176.0	5467.7
72.5°	1428.4	1454.4	1499.0	1560.5	1640.3	1717.1	1769.3	1804.7	1930.6	2491.2	3643.1
75°	1047.4	1075.1	1131.9	1213.3	1353.1	1512.8	1678.7	1755.5	1703.3	1631.1	2028.8
77.5°	608.2	645.0	692.7	771.0	900.0	1112.0	1396.1	1648.0	1818.4	1829.2	1737.0
80°	256.5	261.1	290.2	330.2	410.0	559.1	780.2	1142.7	1520.5	1775.5	1835.4
82.5°	58.3	72.2	92.2	109.0	133.6	184.3	273.4	454.6	821.7	1288.6	1680.2
85°	21.5	21.5	29.2	43.0	49.1	55.3	72.2	115.2	196.6	362.4	755.6
87.5°	0.0	1.6	3.1	3.1	6.1	7.7	12.3	16.9	15.3	13.9	46.0
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: P181474

CATALOG NUMBER: ICM-F06-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3
2.5°	1535.8	1534.3	1531.3	1531.3	1531.3	1531.3	1528.2	1529.7	1526.6	1528.2	1528.2
5°	1534.3	1534.3	1532.8	1529.7	1531.3	1531.3	1532.8	1529.7	1529.7	1531.3	1529.7
7.5°	1534.3	1532.8	1532.8	1532.8	1534.3	1532.8	1534.3	1534.3	1534.3	1535.8	1535.8
10°	1534.3	1534.3	1537.4	1539.0	1539.0	1540.5	1545.1	1545.1	1546.6	1548.2	1551.3
12.5°	1535.8	1542.1	1546.6	1551.3	1552.8	1555.8	1563.5	1563.5	1566.6	1571.2	1572.8
15°	1537.4	1546.6	1555.8	1558.9	1562.0	1568.1	1575.8	1578.9	1583.5	1588.1	1591.2
17.5°	1535.8	1548.2	1558.9	1563.5	1568.1	1575.8	1585.0	1588.1	1594.2	1600.4	1606.5
20°	1534.3	1551.3	1568.1	1574.2	1580.4	1591.2	1603.5	1611.2	1617.3	1626.5	1632.7
22.5°	1543.5	1563.5	1586.5	1595.7	1606.5	1620.4	1637.2	1646.4	1654.1	1663.4	1667.9
25°	1572.8	1588.1	1615.7	1631.1	1644.9	1667.9	1691.0	1701.8	1711.0	1718.6	1720.2
27.5°	1621.9	1626.5	1660.3	1680.2	1700.2	1737.0	1764.8	1772.4	1789.3	1795.5	1793.9
30°	1701.8	1694.1	1721.7	1752.4	1781.6	1832.3	1866.1	1886.1	1901.4	1901.4	1889.1
32.5°	1816.9	1804.7	1812.3	1847.6	1881.4	1955.2	1995.1	2021.2	2031.9	2028.8	2002.8
35°	1967.5	1959.7	1955.2	1982.8	2036.6	2122.6	2174.8	2188.6	2205.5	2202.4	2168.7
37.5°	2145.6	2139.5	2139.5	2171.7	2223.9	2351.5	2408.2	2417.5	2415.9	2391.4	2328.4
40°	2356.0	2352.9	2339.1	2357.6	2402.1	2568.0	2644.8	2657.0	2640.2	2600.2	2526.5
42.5°	2658.6	2640.2	2597.1	2607.9	2641.7	2803.0	2902.8	2936.6	2919.6	2879.7	2759.9
45°	3053.3	3033.3	2961.1	2951.9	2970.3	3111.6	3240.7	3248.4	3245.3	3194.6	3053.3
47.5°	3517.1	3486.4	3409.6	3385.0	3378.9	3509.4	3633.9	3646.2	3638.4	3563.2	3374.3
50°	4019.4	3974.8	3924.1	3907.3	3882.7	3976.4	4102.4	4103.8	4073.1	3968.7	3792.0
52.5°	4555.4	4540.0	4530.8	4513.9	4503.2	4584.6	4661.3	4615.3	4569.2	4460.1	4306.5
55°	5096.0	5159.0	5223.5	5229.6	5248.0	5335.6	5334.1	5208.1	5174.4	5114.4	4962.4
57.5°	5670.5	5903.9	6106.6	6169.6	6231.0	6393.8	6378.5	6254.1	6211.0	6137.3	6011.4
60°	6452.2	7081.9	7667.0	7806.8	7903.6	8098.7	8080.2	7888.2	7977.4	7971.1	7808.3
62.5°	7547.3	8594.8	9471.7	9686.8	9754.3	9775.8	9659.1	9451.8	9539.3	9637.5	9136.9
65°	8289.1	9520.9	10420.9	10586.8	10596.0	10339.5	10079.9	9835.7	9814.2	9729.7	9014.0
66°	8306.0	9566.9	10470.0	10631.3	10574.5	10224.2	9895.6	9649.8	9543.9	9358.0	8616.2
67.5°	8008.0	9279.7	10252.0	10422.4	10298.0	9801.9	9348.8	9032.4	8825.1	8524.1	7869.8
70°	6725.5	7986.6	9184.5	9502.4	9542.4	8802.1	8173.9	7802.2	7522.7	7109.5	6545.9
72.5°	5000.8	6140.4	7197.1	7501.2	7656.3	7065.0	6535.1	6252.5	5870.1	5435.5	5034.5
75°	3134.7	3939.5	4647.6	4861.1	4715.1	4257.4	3939.5	3821.2	3445.0	3185.4	3002.6
77.5°	1792.4	2044.2	2101.0	2019.6	1847.6	1414.5	1006.0	744.9	646.6	715.7	789.4
80°	1749.3	1603.5	1277.9	1124.3	1018.2	700.4	411.6	282.6	235.0	241.1	261.1
82.5°	1895.3	2033.5	1674.1	1365.4	1145.8	774.1	427.0	227.4	153.6	181.2	204.3
85°	1231.7	1714.1	1543.5	1300.8	1053.6	662.0	351.7	118.2	78.3	102.9	141.3
87.5°	124.4	136.7	116.7	158.2	118.2	55.3	27.6	16.9	15.3	18.4	27.6
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: P181474

CATALOG NUMBER: ICM-F06-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3	1531.3
2.5°	1529.7	1529.7	1531.3	1532.8	1534.3	1535.8	1535.8	1535.8	1535.8	1539.0	1537.4
5°	1532.8	1535.8	1539.0	1540.5	1543.5	1543.5	1548.2	1546.6	1546.6	1551.3	1552.8
7.5°	1539.0	1543.5	1549.7	1548.2	1554.3	1552.8	1555.8	1555.8	1551.3	1552.8	1549.7
10°	1552.8	1558.9	1562.0	1557.4	1558.9	1552.8	1551.3	1543.5	1534.3	1529.7	1523.5
12.5°	1575.8	1582.0	1582.0	1574.2	1565.0	1551.3	1540.5	1523.5	1509.8	1502.1	1494.4
15°	1595.7	1601.9	1600.4	1588.1	1574.2	1552.8	1537.4	1517.4	1497.5	1485.2	1477.5
17.5°	1611.2	1614.2	1609.6	1592.7	1577.3	1557.4	1542.1	1520.5	1497.5	1482.1	1468.3
20°	1634.1	1631.1	1620.4	1598.8	1582.0	1563.5	1551.3	1532.8	1506.7	1486.7	1466.8
22.5°	1667.9	1655.6	1635.7	1612.7	1595.7	1578.9	1566.6	1546.6	1520.5	1495.9	1472.9
25°	1712.5	1687.9	1660.3	1635.7	1620.4	1601.9	1588.1	1566.6	1539.0	1511.3	1483.6
27.5°	1777.0	1734.0	1698.7	1677.1	1660.3	1637.2	1620.4	1592.7	1563.5	1531.3	1500.6
30°	1849.2	1790.8	1757.0	1740.1	1721.7	1697.1	1671.0	1635.7	1601.9	1566.6	1529.7
32.5°	1942.9	1872.2	1840.0	1823.1	1798.5	1767.8	1737.0	1697.1	1649.5	1603.5	1558.9
35°	2065.8	1993.6	1959.7	1933.7	1899.8	1859.9	1815.4	1761.7	1697.1	1635.7	1578.9
37.5°	2197.9	2119.5	2087.3	2059.6	2008.9	1956.7	1893.7	1815.4	1727.8	1646.4	1575.8
40°	2365.2	2293.0	2251.5	2204.0	2144.1	2053.5	1955.2	1841.5	1729.4	1629.6	1546.6
42.5°	2577.2	2505.0	2443.5	2368.3	2263.8	2124.1	1984.4	1836.9	1701.8	1588.1	1499.0
45°	2858.3	2770.7	2664.8	2532.7	2363.7	2168.7	1985.9	1807.7	1649.5	1523.5	1428.4
47.5°	3202.3	3068.7	2895.1	2672.4	2429.8	2180.9	1961.3	1749.3	1568.1	1431.5	1325.5
50°	3610.8	3400.4	3114.7	2787.6	2463.5	2162.5	1899.8	1661.8	1452.9	1307.0	1181.1
52.5°	4077.7	3733.7	3312.9	2870.5	2462.0	2101.0	1795.5	1529.7	1302.4	1139.6	1019.8
55°	4626.1	4114.6	3517.1	2932.0	2419.0	1987.5	1635.7	1343.9	1116.6	966.1	855.4
57.5°	5429.3	4732.0	3873.4	3027.2	2332.9	1812.3	1419.2	1121.2	921.5	778.7	685.0
60°	6897.6	5762.5	4515.5	3219.2	2200.9	1555.8	1165.7	883.2	715.7	600.6	537.6
62.5°	8003.4	6559.7	4862.5	3176.2	1935.2	1239.4	864.7	643.5	526.8	448.5	408.6
65°	7845.3	6312.4	4492.4	2735.4	1517.4	873.9	574.4	437.7	362.4	325.6	302.6
66°	7487.4	5989.9	4171.5	2462.0	1311.6	726.4	473.0	367.1	311.8	285.7	270.3
67.5°	6808.5	5390.9	3597.0	2018.2	1007.5	526.8	356.3	290.2	253.4	242.7	231.9
70°	5659.7	4298.9	2524.9	1175.0	514.5	293.4	225.8	202.7	193.5	192.0	188.9
72.5°	4337.3	3042.5	1486.7	556.0	267.3	195.1	175.1	167.4	164.4	164.4	165.9
75°	2658.6	1709.4	657.3	271.8	187.3	164.4	155.2	152.1	150.5	152.1	150.5
77.5°	887.7	543.7	281.0	205.8	170.5	152.1	145.9	142.8	142.8	142.8	142.8
80°	271.8	236.6	215.0	190.4	161.3	144.4	135.2	133.6	135.2	136.7	132.1
82.5°	204.3	193.5	181.2	168.9	145.9	129.0	126.0	126.0	126.0	121.3	115.2
85°	150.5	149.0	122.9	115.2	107.5	107.5	107.5	107.5	102.9	95.3	89.1
87.5°	27.6	26.1	27.6	29.2	43.0	46.0	46.0	49.1	53.8	50.7	50.7
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: P181474

CATALOG NUMBER: ICM-F06-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	1531.3	1531.3	1531.3	1531.3	1531.3
2.5°	1537.4	1535.8	1540.5	1537.4	1539.0
5°	1551.3	1549.7	1552.8	1549.7	1554.3
7.5°	1546.6	1543.5	1542.1	1543.5	1545.1
10°	1514.3	1511.3	1509.8	1508.2	1509.8
12.5°	1486.7	1480.6	1480.6	1477.5	1479.1
15°	1466.8	1462.1	1460.6	1457.5	1459.1
17.5°	1457.5	1449.9	1446.8	1443.7	1443.7
20°	1451.4	1442.1	1437.6	1434.5	1432.9
22.5°	1451.4	1437.6	1431.5	1428.4	1426.8
25°	1457.5	1440.7	1431.5	1426.8	1425.3
27.5°	1469.9	1448.3	1437.6	1431.5	1431.5
30°	1491.4	1463.7	1448.3	1440.7	1439.1
32.5°	1512.8	1476.0	1454.4	1445.2	1442.1
35°	1523.5	1476.0	1449.9	1434.5	1431.5
37.5°	1511.3	1456.0	1423.7	1400.8	1396.1
40°	1472.9	1414.5	1379.2	1357.7	1354.6
42.5°	1422.2	1365.4	1323.9	1308.6	1303.9
45°	1353.1	1285.5	1244.1	1222.5	1224.1
47.5°	1234.8	1165.7	1128.8	1108.9	1112.0
50°	1095.1	1027.5	995.3	973.8	978.3
52.5°	941.5	880.1	849.3	838.6	835.5
55°	780.2	732.7	711.1	698.8	694.2
57.5°	632.7	599.0	583.6	568.3	569.8
60°	499.2	482.2	477.7	460.7	459.3
62.5°	393.2	382.4	377.9	365.5	367.1
65°	298.0	294.9	298.0	290.2	293.4
66°	268.7	270.3	270.3	265.7	268.7
67.5°	231.9	235.0	239.6	235.0	238.0
70°	192.0	195.1	198.1	198.1	198.1
72.5°	167.4	170.5	172.0	172.0	172.0
75°	153.6	155.2	156.7	153.6	153.6
77.5°	144.4	144.4	141.3	139.7	138.2
80°	130.5	129.0	124.4	121.3	121.3
82.5°	109.0	106.0	102.9	98.3	98.3
85°	83.0	79.9	76.8	70.6	67.5
87.5°	43.0	44.6	43.0	35.3	30.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)