

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: P180207

Luminaire Tested: **ICM-E06-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180207  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E06-LED-E1-5XQ-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (126) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

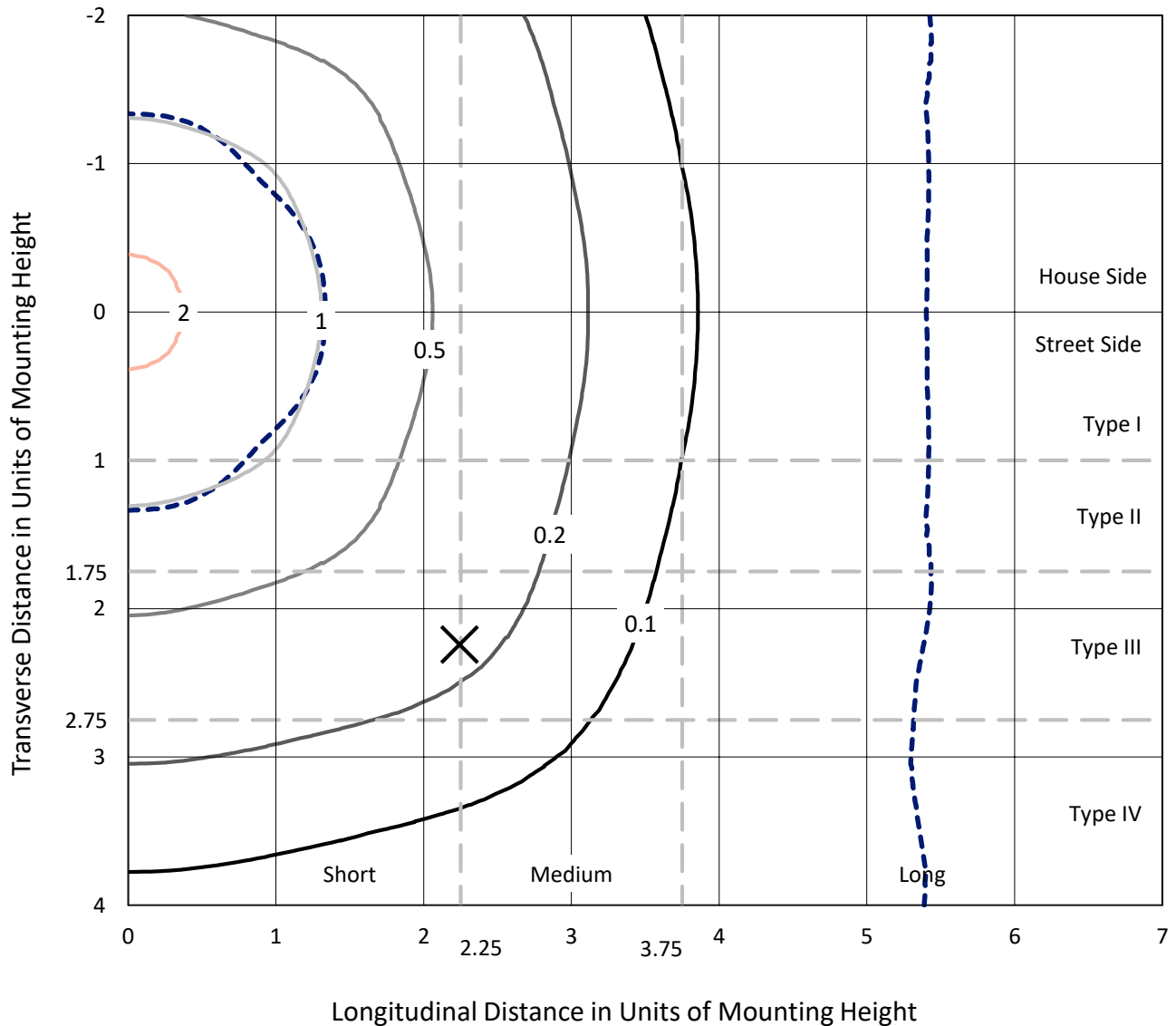
Lumens per Lamp: N/A  
Luminaire Lumens: 16212.9 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 150.5  
Input Voltage (V): NR  
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



REPORT NUMBER: P180207  
 CATALOG NUMBER: ICM-E06-LED-E1-5XQ-7030

### Iso-Footcandle Lines of Horizontal Illumination

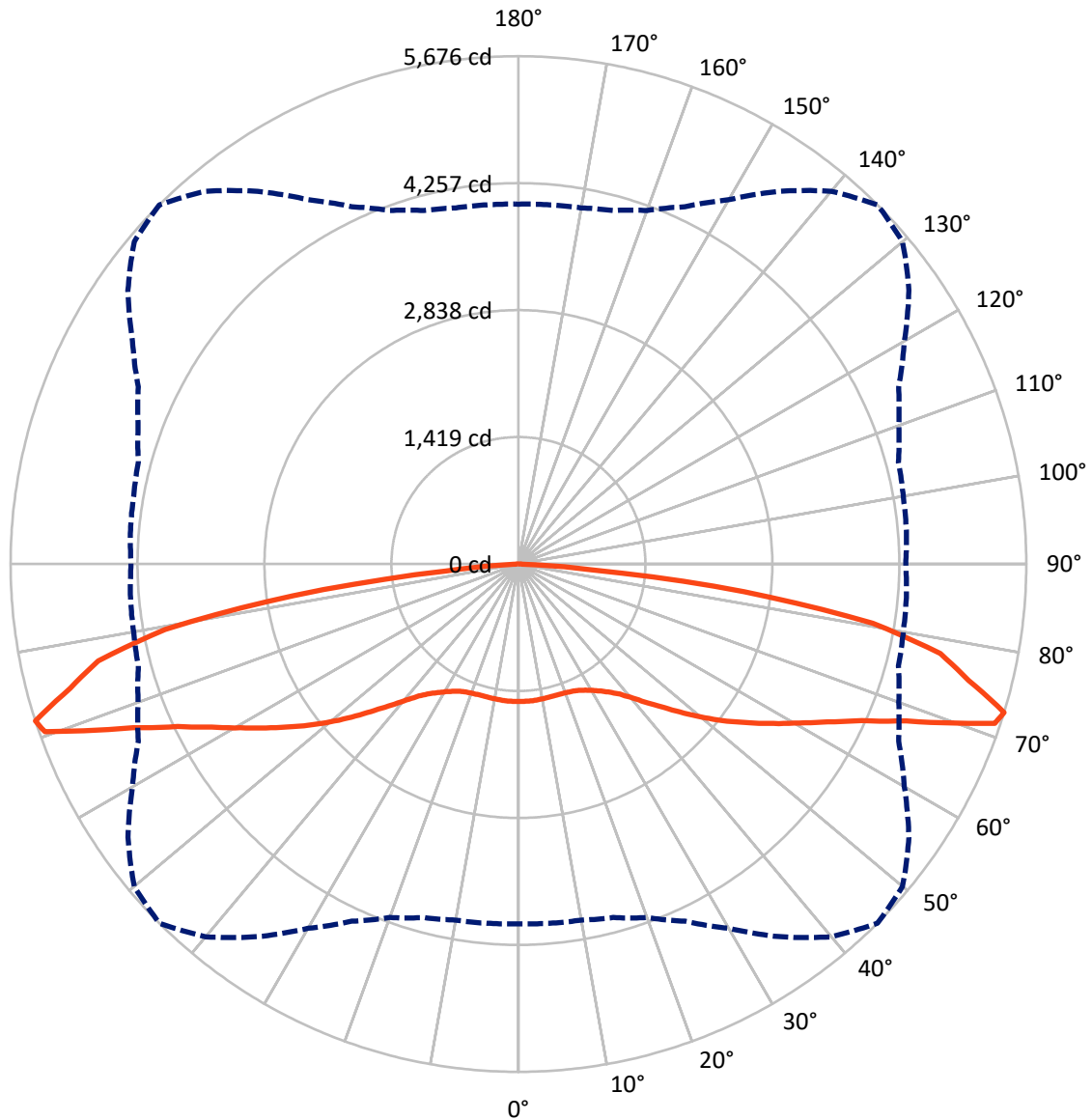
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P180207  
CATALOG NUMBER: ICM-E06-LED-E1-5XQ-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P180207

CATALOG NUMBER: ICM-E06-LED-E1-5XQ-7030

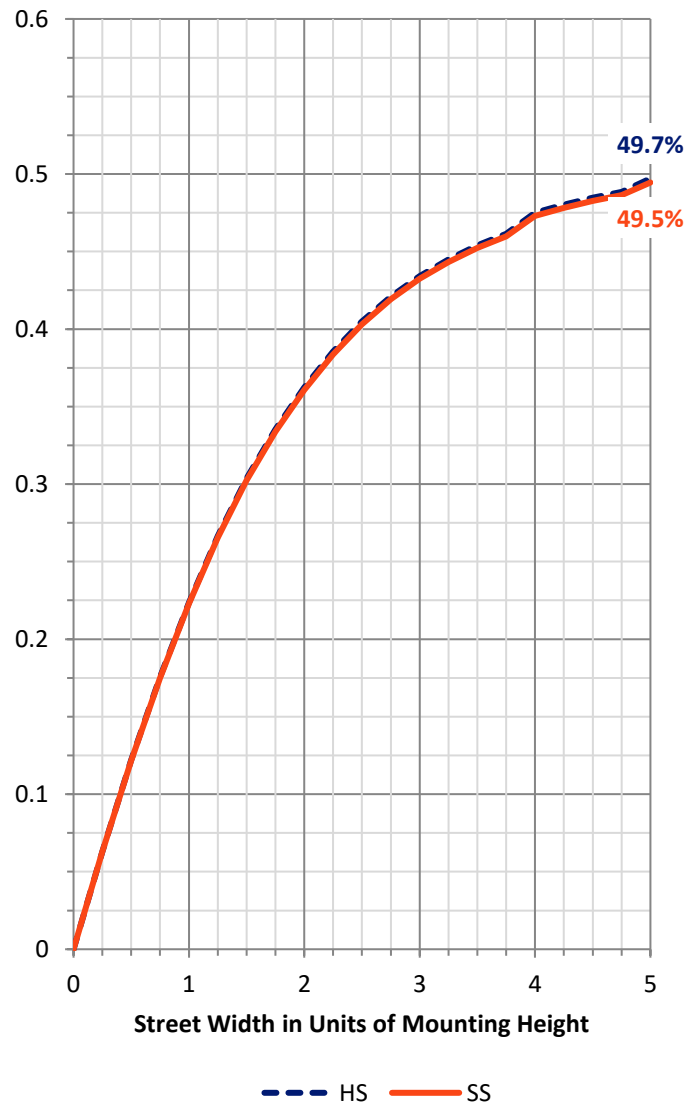
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8106.5	0.0	8106.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8106.5	0.0	8106.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16212.9	0.0	16212.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.4	0.9
10°-20°	433.1	2.7
20°-30°	725.2	4.5
30°-40°	1105.6	6.8
40°-50°	1765.3	10.9
50°-60°	2714.3	16.7
60°-70°	3952.1	24.4
70°-80°	4452.0	27.5
80°-90°	919.0	5.7
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°	16212.9	100.0
0°-180°	16212.9	100.0



REPORT NUMBER: P180207

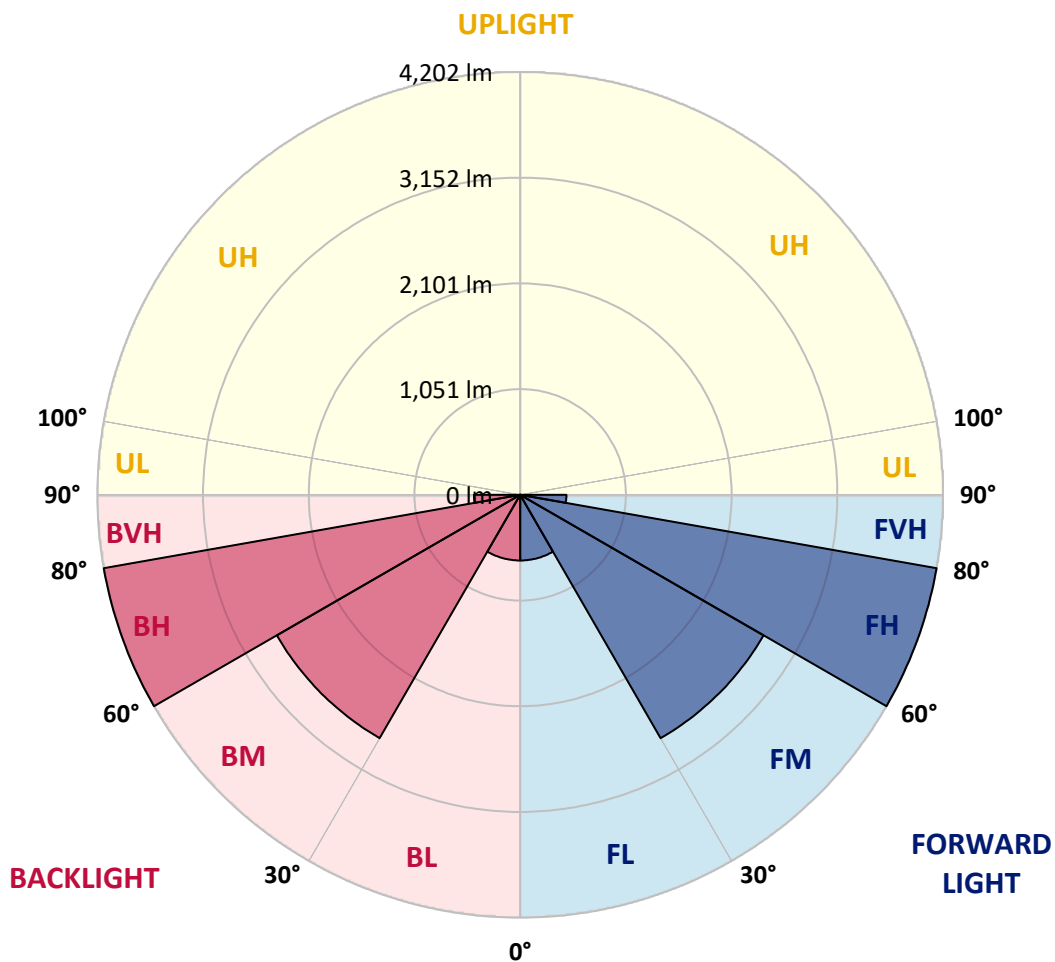
CATALOG NUMBER: ICM-E06-LED-E1-5XQ-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	652.3	4.0			
FM	(30°-60°)	2792.6	17.2			
FH	(60°-80°)	4202.0	25.9			G2/5000
FVH	(80°-90°)	459.5	2.8			G3/500
BL	(0°-30°)	652.3	4.0	B2/1000		
BM	(30°-60°)	2792.6	17.2	B3/5000		
BH	(60°-80°)	4202.0	25.9	B4/5000		G2/5000
BVH	(80°-90°)	459.5	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





REPORT NUMBER: P180207

CATALOG NUMBER: ICM-E06-LED-E1-5XQ-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1
2.5°	1538.6	1539.5	1539.1	1538.2	1538.7	1538.2	1537.4	1536.9	1534.0	1535.7	1538.2
5°	1538.7	1537.9	1537.4	1536.9	1536.9	1538.2	1536.9	1535.7	1535.3	1536.2	1534.9
7.5°	1537.9	1536.2	1535.3	1534.9	1535.3	1535.7	1534.4	1532.8	1534.0	1532.8	1531.0
10°	1535.3	1534.1	1534.4	1532.8	1533.1	1532.8	1531.1	1529.8	1530.6	1529.3	1527.3
12.5°	1536.2	1534.0	1533.6	1532.8	1532.3	1531.9	1529.8	1527.6	1528.0	1527.3	1525.0
15°	1536.2	1534.9	1534.5	1532.8	1532.3	1531.5	1528.9	1528.1	1528.0	1526.8	1524.3
17.5°	1537.0	1536.2	1536.2	1534.0	1533.1	1532.8	1529.8	1528.5	1529.8	1527.3	1525.5
20°	1539.5	1538.7	1539.1	1537.9	1536.2	1536.1	1534.0	1533.2	1533.6	1533.2	1528.5
22.5°	1544.7	1544.7	1545.5	1545.1	1544.7	1545.0	1543.4	1543.4	1543.8	1543.8	1540.0
25°	1559.1	1558.6	1559.5	1559.5	1559.9	1562.9	1561.6	1561.2	1563.4	1563.4	1559.5
27.5°	1586.2	1585.4	1586.2	1587.1	1589.2	1593.0	1592.2	1593.5	1596.8	1596.0	1592.7
30°	1617.7	1616.8	1619.0	1621.5	1623.3	1629.2	1626.6	1633.0	1636.0	1638.5	1635.9
32.5°	1663.5	1663.6	1667.4	1669.1	1672.9	1678.9	1679.7	1684.8	1688.7	1692.8	1690.0
35°	1724.8	1723.9	1726.9	1729.9	1734.5	1740.1	1742.2	1748.9	1754.9	1757.9	1752.4
37.5°	1818.2	1813.5	1819.1	1820.8	1824.6	1825.9	1831.8	1840.3	1846.7	1845.8	1842.0
40°	1944.8	1943.9	1941.9	1939.3	1945.2	1947.4	1947.4	1958.8	1969.0	1967.4	1966.9
42.5°	2092.7	2088.8	2086.2	2086.2	2089.7	2090.5	2103.7	2112.2	2119.4	2121.1	2119.5
45°	2251.5	2247.7	2248.6	2246.9	2248.1	2253.7	2261.2	2277.0	2290.6	2291.1	2283.8
47.5°	2422.3	2410.4	2419.7	2406.6	2414.7	2418.9	2438.1	2460.9	2484.8	2488.9	2482.6
50°	2595.6	2594.3	2593.5	2590.9	2594.8	2604.1	2627.5	2663.6	2686.5	2701.8	2691.6
52.5°	2785.1	2778.7	2775.7	2771.6	2775.3	2793.6	2826.2	2857.8	2899.0	2916.4	2902.3
55°	2969.5	2967.4	2956.3	2955.9	2963.9	2992.4	3028.1	3066.7	3111.4	3130.9	3125.8
57.5°	3158.9	3146.6	3143.2	3138.2	3154.3	3181.0	3224.8	3294.4	3340.8	3362.8	3350.1
60°	3344.2	3334.8	3327.6	3325.9	3337.0	3374.3	3437.2	3520.9	3578.3	3607.1	3586.7
62.5°	3542.9	3537.0	3528.6	3518.7	3542.2	3590.2	3668.3	3761.0	3845.4	3881.1	3850.1
65°	3790.2	3777.9	3768.6	3756.2	3775.3	3835.7	3933.8	4064.2	4177.6	4219.3	4197.2
67.5°	4051.0	4039.6	4040.4	4032.8	4066.8	4150.5	4277.0	4454.2	4606.3	4677.2	4635.6
70°	4278.7	4285.1	4286.8	4317.8	4376.5	4503.8	4714.6	4992.0	5222.7	5331.0	5286.5
71°	4211.7	4225.7	4247.3	4279.7	4380.7	4531.5	4819.1	5155.2	5430.4	5613.9	5552.4
72.5°	4021.3	4029.8	4040.9	4090.2	4204.4	4404.1	4700.1	5084.2	5438.1	5675.6	5604.2
75°	3746.1	3754.1	3757.9	3792.4	3896.4	4070.6	4341.6	4682.4	4994.5	5196.8	5176.8
77.5°	3330.6	3331.8	3361.6	3414.6	3531.6	3730.7	4016.2	4369.6	4663.2	4820.4	4720.6
80°	2391.7	2375.5	2406.2	2474.5	2619.0	2847.6	3139.8	3543.4	3869.2	4016.2	3861.6
82.5°	910.0	959.3	1037.0	1150.0	1198.8	1452.8	1725.6	1962.6	2237.0	2543.8	2466.9
85°	97.7	110.0	138.0	171.2	216.2	299.1	413.4	564.2	695.4	817.3	725.6
87.5°	36.6	37.4	41.7	48.0	48.8	51.0	54.3	63.3	59.1	51.0	41.2
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: P180207

CATALOG NUMBER: ICM-E06-LED-E1-5XQ-7030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1	1536.1
2.5°	1536.1	1536.6	1536.1	1536.6	1536.6	1534.9	1535.3	1534.5
5°	1535.7	1534.5	1534.9	1535.3	1534.9	1535.7	1534.4	1535.3
7.5°	1533.6	1531.1	1531.9	1531.9	1531.1	1532.3	1531.5	1531.1
10°	1529.3	1526.0	1527.6	1526.8	1526.3	1526.8	1526.8	1526.7
12.5°	1525.5	1523.4	1523.8	1523.4	1523.0	1524.3	1523.8	1524.3
15°	1524.7	1521.3	1520.8	1520.0	1520.4	1521.3	1521.3	1522.6
17.5°	1523.8	1519.5	1519.2	1518.3	1518.7	1520.4	1520.8	1520.0
20°	1526.3	1523.0	1522.1	1521.3	1520.8	1523.0	1522.5	1522.6
22.5°	1538.2	1534.0	1533.6	1530.2	1528.9	1530.2	1529.3	1529.3
25°	1557.4	1552.3	1550.5	1545.9	1542.5	1542.5	1541.2	1540.5
27.5°	1591.8	1584.2	1582.5	1578.6	1574.0	1574.8	1572.3	1571.8
30°	1631.7	1624.9	1619.0	1613.4	1607.9	1605.8	1602.8	1602.4
32.5°	1683.9	1676.3	1669.1	1662.3	1654.7	1651.7	1646.6	1644.1
35°	1748.1	1737.9	1729.4	1724.8	1717.1	1713.3	1709.9	1713.7
37.5°	1837.8	1825.5	1821.2	1815.6	1810.6	1804.7	1805.9	1804.7
40°	1961.9	1950.8	1946.4	1936.8	1935.5	1928.7	1932.9	1928.7
42.5°	2115.2	2094.7	2091.8	2084.1	2081.6	2077.8	2079.5	2076.5
45°	2282.1	2263.8	2260.5	2248.1	2248.6	2239.6	2243.0	2243.0
47.5°	2469.9	2450.7	2435.1	2426.2	2422.7	2417.2	2420.2	2419.7
50°	2663.6	2637.7	2620.3	2602.8	2595.2	2597.3	2591.4	2601.5
52.5°	2871.7	2833.1	2808.5	2791.9	2777.4	2780.4	2781.2	2784.2
55°	3087.1	3037.9	3002.2	2980.5	2967.4	2968.2	2972.0	2975.5
57.5°	3303.8	3242.2	3193.8	3161.5	3152.9	3156.9	3156.9	3156.4
60°	3528.5	3454.6	3392.2	3355.6	3347.9	3345.9	3362.4	3356.9
62.5°	3769.8	3681.0	3616.5	3569.7	3558.7	3566.3	3581.2	3577.8
65°	4089.7	3966.9	3883.7	3837.4	3818.6	3826.3	3846.3	3845.4
67.5°	4502.2	4330.5	4220.6	4161.0	4147.5	4156.9	4167.8	4178.4
70°	5119.1	4873.9	4716.7	4588.0	4532.8	4522.2	4533.2	4533.6
71°	5336.1	5054.4	4804.2	4647.1	4556.6	4518.4	4521.3	4502.2
72.5°	5327.2	4980.1	4687.4	4523.0	4397.2	4366.7	4351.8	4328.9
75°	4968.2	4655.6	4401.5	4222.3	4101.2	4065.0	4038.7	4037.4
77.5°	4505.6	4274.9	3995.0	3805.0	3657.7	3597.8	3571.0	3570.2
80°	3622.0	3276.6	3071.8	2957.6	2779.6	2728.2	2673.8	2653.4
82.5°	2190.3	1711.6	1391.7	1236.7	1150.8	947.7	850.4	804.7
85°	510.1	362.3	249.8	164.0	118.1	93.9	72.2	63.7
87.5°	34.4	27.2	24.2	19.5	14.9	14.4	8.9	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)