

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: P180937

Luminaire Tested: **ICS-E03-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180937
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-SL4-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7285.4 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 75.2
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

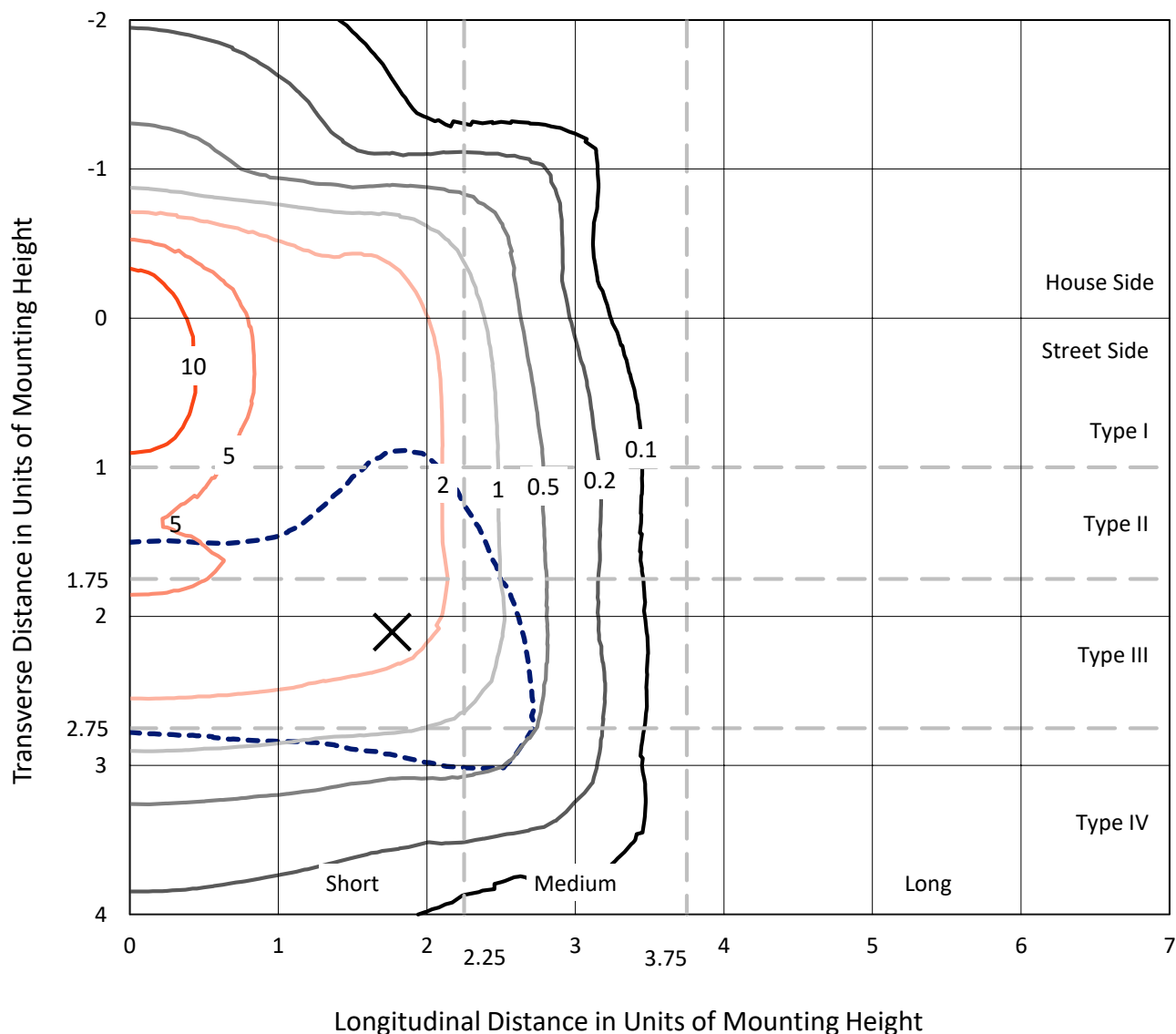


REPORT NUMBER: P180937

CATALOG NUMBER: ICS-E03-LED-E1-SL4-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

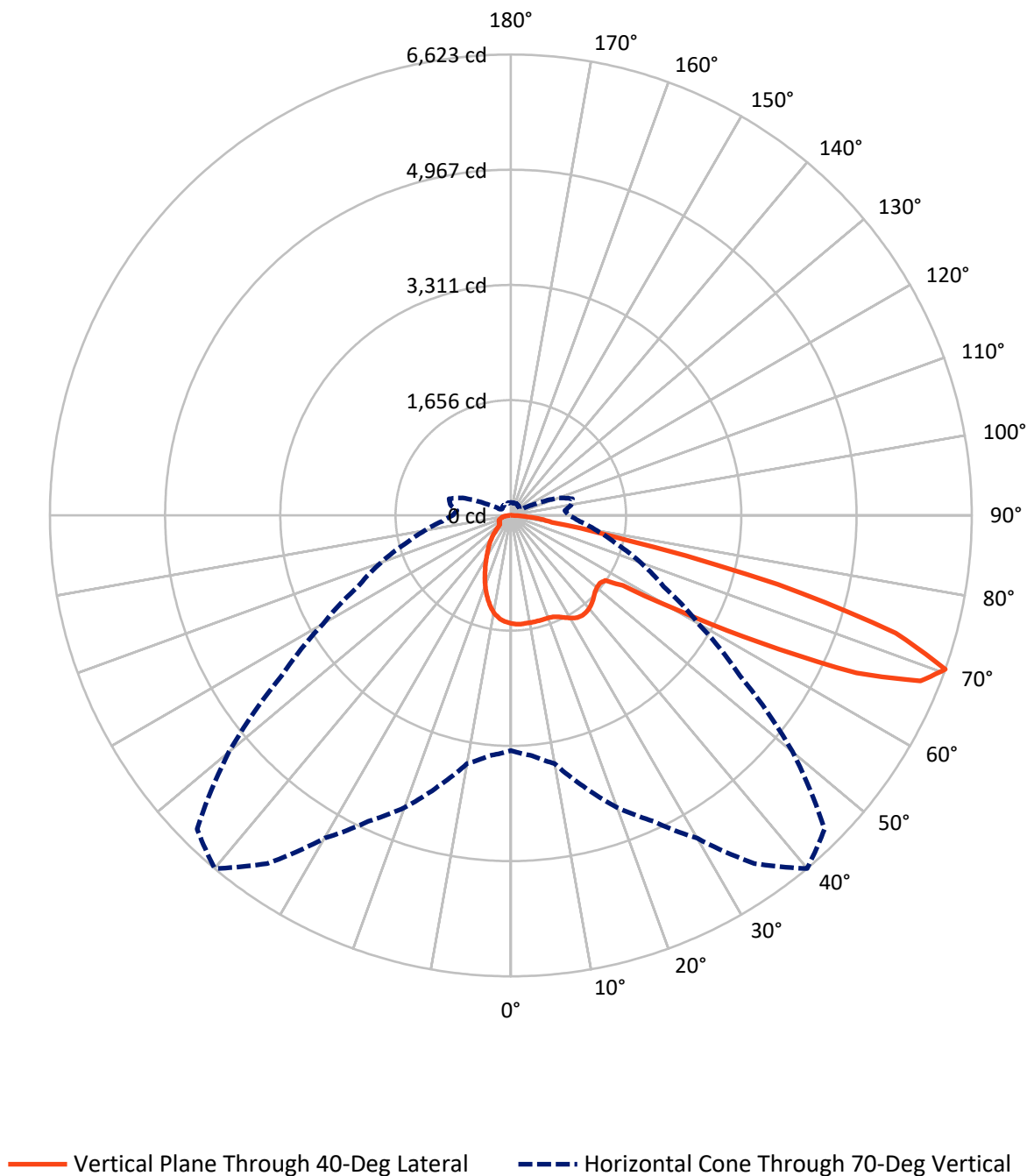


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P180937

CATALOG NUMBER: ICS-E03-LED-E1-SL4-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P180937

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1512.4	0.0	1512.4
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	5773.0	0.0	5773.0
	% Fixture	79.2	0.0	79.2
Total	Lumens	7285.4	0.0	7285.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	2.0
10°-20°	397.6	5.5
20°-30°	588.5	8.1
30°-40°	743.8	10.2
40°-50°	841.1	11.5
50°-60°	1197.0	16.4
60°-70°	2229.2	30.6
70°-80°	1021.7	14.0
80°-90°	121.3	1.7
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°	7285.4	100.0
0°-180°	7285.4	100.0

Coefficient of Utilization



REPORT NUMBER: P180937

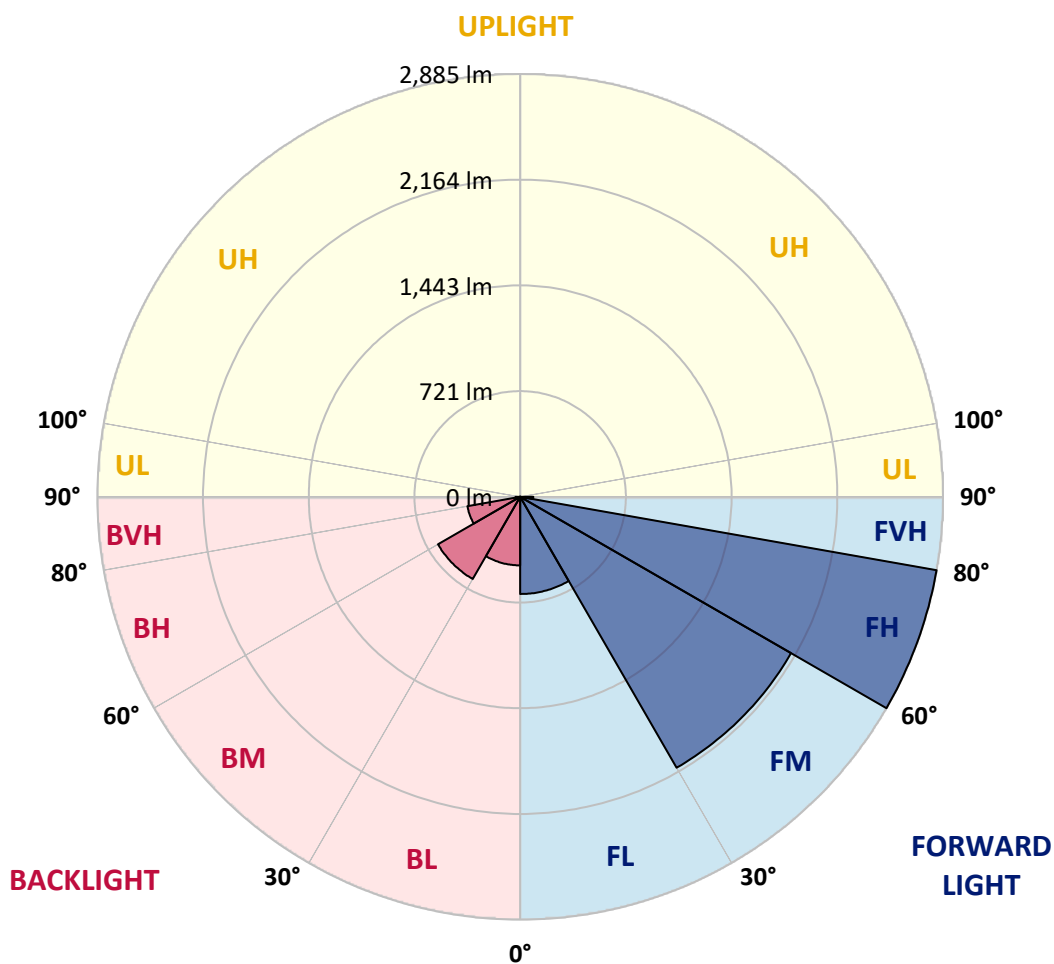
CATALOG NUMBER: ICS-E03-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	663.4	9.1			
FM	(30°-60°)	2134.4	29.3			
FH	(60°-80°)	2885.3	39.6			G2/5000
FVH	(80°-90°)	90.0	1.2			G1/100
BL	(0°-30°)	467.9	6.4	B1/500		
BM	(30°-60°)	647.5	8.9	B1/1000		
BH	(60°-80°)	365.6	5.0	B1/500		G1/500
BVH	(80°-90°)	31.3	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



REPORT NUMBER: P180937

CATALOG NUMBER: ICS-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5
2.5°	1578.4	1582.5	1577.5	1576.7	1576.7	1575.9	1571.0	1570.1	1563.6	1564.4	1566.0
5°	1589.9	1591.5	1588.2	1587.4	1585.8	1582.5	1578.4	1573.4	1568.5	1563.6	1559.4
7.5°	1601.4	1599.7	1597.3	1597.3	1594.8	1589.9	1581.6	1575.1	1564.4	1558.6	1551.2
10°	1617.8	1615.3	1612.1	1610.4	1606.3	1598.9	1587.4	1578.4	1565.2	1553.7	1541.4
12.5°	1633.4	1632.6	1627.7	1625.2	1618.6	1611.2	1597.3	1583.3	1566.0	1547.9	1531.5
15°	1661.4	1658.1	1653.2	1648.2	1637.5	1627.7	1606.3	1589.9	1565.2	1541.4	1515.9
17.5°	1709.9	1704.1	1699.2	1688.5	1675.4	1658.1	1626.9	1598.9	1565.2	1530.7	1501.9
20°	1798.7	1786.3	1779.8	1765.8	1742.8	1711.5	1663.0	1617.8	1567.7	1523.3	1484.6
22.5°	1899.0	1890.7	1881.7	1872.7	1836.5	1791.3	1725.5	1658.1	1582.5	1520.0	1470.7
25°	2011.6	2000.9	1996.0	1980.3	1946.6	1894.8	1805.2	1711.5	1616.2	1533.1	1470.7
27.5°	2111.9	2108.6	2107.8	2089.7	2057.6	1996.8	1890.7	1778.1	1662.2	1560.3	1483.0
30°	2203.1	2199.8	2198.2	2188.3	2151.3	2079.0	1963.9	1837.3	1712.4	1598.1	1506.0
32.5°	2300.1	2289.4	2284.5	2265.6	2223.7	2139.0	2007.5	1875.9	1751.8	1635.1	1531.5
35°	2379.0	2370.0	2360.1	2333.0	2273.8	2173.5	2026.4	1889.1	1767.4	1655.6	1544.7
37.5°	2436.6	2427.5	2413.6	2379.0	2305.9	2185.0	2025.6	1885.0	1761.7	1652.3	1547.1
40°	2462.1	2453.0	2438.2	2394.7	2311.6	2178.5	2009.9	1866.1	1744.4	1635.1	1537.3
42.5°	2452.2	2445.6	2426.7	2384.8	2293.5	2148.9	1978.7	1830.7	1711.5	1607.1	1515.1
45°	2414.4	2409.5	2391.4	2347.0	2252.4	2101.2	1932.7	1786.3	1672.1	1572.6	1485.5
47.5°	2357.7	2356.0	2337.9	2294.4	2200.7	2053.5	1885.0	1742.8	1632.6	1538.9	1460.8
50°	2295.2	2287.0	2277.9	2237.6	2152.2	2012.4	1850.5	1715.6	1610.4	1526.6	1450.1
52.5°	2255.7	2253.3	2245.0	2208.9	2126.7	1988.6	1834.8	1705.8	1608.8	1524.1	1444.4
55°	2605.9	2611.7	2536.1	2379.0	2240.9	2054.3	1881.7	1755.9	1649.1	1563.6	1505.2
57.5°	3854.6	3829.2	3699.3	3387.7	3035.9	2571.4	2236.8	2033.8	1901.4	1916.2	1945.8
60°	4490.9	4486.0	4462.1	4341.3	4107.0	3753.5	3361.4	2911.7	2768.7	2784.3	2795.8
62.5°	4775.3	4782.7	4800.8	4755.6	4694.0	4591.2	4395.6	4214.7	4023.2	3951.6	3760.1
65°	4906.9	4920.0	4961.1	4986.6	5010.5	5028.5	5105.8	5317.9	5457.7	5196.2	4587.9
67.5°	4634.8	4698.1	4833.7	4966.1	5084.4	5253.0	5514.4	6006.8	6349.6	6028.2	5146.1
70°	3378.7	3465.0	3620.4	4029.7	4467.1	4849.3	5355.7	6105.4	6622.5	6374.3	5284.2
72.5°	2118.4	2142.3	2211.3	2361.8	2686.5	3177.3	4062.6	5187.2	5784.0	5585.9	4466.3
75°	1344.1	1352.3	1349.8	1384.3	1439.4	1546.3	1896.5	3063.8	3962.3	3653.2	2489.2
77.5°	800.7	813.0	817.9	828.6	854.9	892.8	921.5	1042.4	1661.4	1612.9	903.4
80°	670.8	680.7	672.4	670.0	653.5	642.0	656.0	642.0	596.0	573.8	528.6
82.5°	355.1	354.3	351.8	375.7	424.2	462.0	490.8	484.2	438.2	373.2	316.5
85°	194.8	201.4	201.4	209.6	202.2	203.0	209.6	221.1	204.7	171.0	139.8
87.5°	16.4	25.5	20.6	25.5	34.5	24.7	23.8	23.8	20.6	14.8	13.2
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: P180937

CATALOG NUMBER: ICS-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5
2.5°	1561.9	1560.3	1557.0	1554.5	1554.5	1550.4	1547.9	1546.3	1545.5	1542.2	1542.2
5°	1557.0	1551.2	1545.5	1541.4	1538.9	1534.8	1528.2	1524.9	1520.8	1517.5	1515.9
7.5°	1546.3	1535.6	1526.6	1520.0	1511.8	1505.2	1497.0	1489.6	1482.2	1478.9	1477.2
10°	1529.9	1515.9	1501.9	1489.6	1478.1	1466.6	1455.9	1445.2	1436.1	1429.6	1423.0
12.5°	1514.2	1492.9	1474.8	1456.7	1438.6	1424.6	1409.8	1394.2	1381.1	1368.7	1365.4
15°	1492.9	1468.2	1445.2	1423.0	1400.8	1377.8	1359.7	1342.4	1321.1	1307.1	1296.4
17.5°	1473.1	1443.5	1415.6	1389.3	1362.2	1338.3	1311.2	1288.2	1266.8	1245.4	1229.8
20°	1451.8	1419.7	1390.1	1360.5	1330.9	1300.5	1269.3	1239.7	1213.4	1187.9	1162.4
22.5°	1432.9	1400.0	1371.2	1339.1	1306.3	1271.7	1235.6	1198.6	1168.1	1135.3	1105.7
25°	1421.3	1385.2	1355.6	1324.3	1288.2	1250.4	1209.3	1165.7	1128.7	1090.9	1055.5
27.5°	1421.3	1374.5	1344.1	1312.8	1275.8	1235.6	1190.3	1142.7	1100.7	1058.8	1015.2
30°	1433.7	1376.1	1335.0	1302.1	1264.3	1220.8	1170.6	1120.5	1074.4	1025.1	983.2
32.5°	1445.2	1379.4	1328.4	1286.5	1243.0	1200.2	1149.2	1095.8	1044.8	998.0	953.6
35°	1452.6	1379.4	1316.1	1262.7	1213.4	1171.4	1121.3	1067.9	1016.1	970.0	928.9
37.5°	1453.4	1372.8	1296.4	1235.6	1183.8	1140.2	1092.5	1042.4	993.0	950.3	915.8
40°	1445.2	1359.7	1276.7	1206.8	1152.5	1108.1	1064.6	1019.4	975.0	939.6	910.0
42.5°	1430.4	1345.7	1257.8	1183.8	1127.0	1081.0	1040.7	1002.1	963.5	933.0	908.4
45°	1408.2	1326.8	1240.5	1169.8	1113.9	1065.4	1025.9	993.9	961.0	935.5	910.8
47.5°	1388.5	1320.2	1246.2	1178.8	1120.5	1070.3	1030.0	1002.9	977.4	960.2	926.5
50°	1384.3	1316.9	1248.7	1186.2	1127.0	1076.1	1040.7	1026.8	1019.4	1008.7	956.9
52.5°	1372.8	1316.1	1266.8	1232.3	1194.5	1170.6	1133.6	1146.8	1138.6	1100.7	1007.0
55°	1493.7	1510.1	1556.2	1621.9	1682.8	1696.7	1692.6	1677.0	1594.0	1371.2	1127.9
57.5°	2053.5	2146.4	2233.5	2272.2	2267.2	2223.7	2192.4	2129.1	2009.1	1737.8	1366.3
60°	2831.2	2846.0	2799.9	2731.7	2616.6	2520.4	2417.7	2299.3	2125.0	1859.5	1512.6
62.5°	3547.2	3348.3	3143.6	2951.2	2776.1	2623.2	2480.2	2314.9	2088.0	1811.0	1493.7
65°	4052.8	3631.9	3308.8	3032.6	2785.1	2571.4	2393.0	2178.5	1922.8	1672.9	1384.3
67.5°	4313.3	3668.0	3172.3	2787.6	2436.6	2140.6	1903.1	1694.3	1504.4	1395.0	1211.7
70°	4022.3	3113.1	2422.6	1987.7	1567.7	1256.9	993.0	833.6	778.5	882.1	917.4
72.5°	2997.2	2026.4	1441.1	1114.7	854.1	680.7	522.0	410.2	333.8	350.2	454.6
75°	1417.2	874.7	618.2	470.2	374.0	309.9	253.2	231.8	194.0	161.1	151.3
77.5°	551.6	402.0	332.1	243.3	172.6	138.9	118.4	114.3	116.7	113.4	111.8
80°	420.1	284.4	178.4	130.7	112.6	99.5	88.0	84.7	86.3	90.4	94.5
82.5°	234.3	146.3	108.5	94.5	84.7	72.3	65.8	60.8	61.7	66.6	75.6
85°	90.4	70.7	64.9	62.5	58.4	46.9	40.3	41.1	46.9	55.9	55.9
87.5°	9.9	9.9	13.2	9.9	9.9	9.9	9.0	10.7	11.5	14.8	17.3
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: P180937

CATALOG NUMBER: ICS-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5
2.5°	1540.5	1540.5	1540.5	1538.9	1539.7	1536.4	1536.4	1534.0	1538.1	1535.6	1534.8
5°	1516.7	1515.9	1512.6	1512.6	1512.6	1512.6	1515.1	1508.5	1513.4	1513.4	1510.9
7.5°	1476.4	1476.4	1467.4	1472.3	1470.7	1473.1	1476.4	1473.1	1478.1	1481.4	1478.9
10°	1420.5	1420.5	1413.1	1418.9	1416.4	1422.2	1427.9	1424.6	1427.9	1432.9	1434.5
12.5°	1358.9	1355.6	1349.0	1351.5	1351.5	1354.8	1357.2	1361.3	1365.4	1372.0	1375.3
15°	1287.3	1282.4	1274.2	1274.2	1269.3	1270.9	1275.8	1277.5	1285.7	1294.7	1305.4
17.5°	1214.2	1201.9	1192.8	1182.1	1173.9	1180.5	1186.2	1190.3	1196.9	1210.9	1218.3
20°	1145.1	1120.5	1103.2	1089.2	1080.2	1084.3	1091.7	1096.6	1102.4	1105.7	1108.1
22.5°	1076.9	1048.9	1025.1	1007.8	993.0	997.2	993.9	991.4	995.5	984.8	984.0
25°	1017.7	984.8	952.8	932.2	914.1	908.4	891.1	887.0	875.5	866.5	859.9
27.5°	975.0	932.2	896.9	873.0	844.3	822.9	800.7	778.5	766.2	751.4	744.0
30°	941.3	896.0	854.1	813.8	776.0	743.1	713.5	684.8	665.0	643.7	629.7
32.5°	910.0	868.1	817.1	762.0	711.1	674.1	635.5	602.6	571.3	543.4	522.8
35°	888.6	841.8	776.8	709.4	651.9	608.3	567.2	520.4	482.5	446.4	424.2
37.5°	877.1	819.6	739.9	665.0	600.9	551.6	500.6	446.4	400.3	366.6	332.9
40°	868.1	797.4	707.0	625.6	558.2	499.0	439.8	375.7	324.7	289.4	263.1
42.5°	858.2	772.7	678.2	594.3	519.5	450.5	379.0	310.7	262.2	237.6	226.1
45°	847.5	751.4	651.1	564.8	481.7	397.9	315.7	252.4	223.6	215.4	215.4
47.5°	845.1	737.4	631.3	536.0	439.0	337.0	257.3	217.8	209.6	211.3	214.6
50°	854.9	733.3	614.1	502.3	382.3	272.9	217.8	204.7	206.3	211.3	216.2
52.5°	878.8	736.6	596.0	455.4	314.8	225.2	201.4	200.6	205.5	212.9	217.8
55°	919.1	736.6	561.5	385.5	251.6	202.2	195.7	198.9	205.5	212.1	216.2
57.5°	1005.4	729.2	500.6	308.3	210.4	194.0	194.0	198.1	203.9	210.4	213.7
60°	1108.1	719.3	415.1	238.4	189.9	187.4	193.2	198.1	203.0	208.8	212.1
62.5°	1114.7	693.8	328.8	197.3	179.2	183.3	192.4	198.9	200.6	204.7	208.8
65°	1024.3	605.0	261.4	176.7	174.3	180.9	189.9	194.8	195.7	197.3	201.4
67.5°	896.9	493.2	211.3	166.9	169.3	176.7	181.7	185.8	188.3	192.4	193.2
70°	736.6	396.2	180.9	157.0	159.5	167.7	171.8	175.9	180.9	185.8	183.3
72.5°	522.0	308.3	158.7	146.3	149.6	157.0	161.9	165.2	169.3	174.3	171.0
75°	222.0	215.4	137.3	132.4	137.3	142.2	147.1	152.1	156.2	158.7	158.7
77.5°	113.4	126.6	118.4	118.4	121.7	126.6	130.7	135.6	138.1	140.6	143.9
80°	96.2	97.8	99.5	102.8	106.0	111.0	115.1	119.2	120.0	120.8	122.5
82.5°	79.7	83.0	84.7	89.6	92.1	93.7	96.2	96.2	97.8	97.8	95.4
85°	57.5	61.7	64.1	64.9	64.1	64.9	65.8	67.4	71.5	71.5	68.2
87.5°	16.4	15.6	19.7	20.6	22.2	25.5	28.8	34.5	36.2	37.8	37.8
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: P180937

CATALOG NUMBER: ICS-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1554.5	1554.5	1554.5	1554.5
2.5°	1534.0	1535.6	1532.3	1533.1
5°	1510.9	1514.2	1510.1	1515.1
7.5°	1481.4	1486.3	1485.5	1484.6
10°	1438.6	1445.2	1445.2	1447.6
12.5°	1384.3	1388.5	1391.7	1393.4
15°	1311.2	1318.6	1322.7	1322.7
17.5°	1223.2	1228.2	1230.6	1227.3
20°	1111.4	1109.8	1110.6	1102.4
22.5°	982.4	984.8	977.4	979.1
25°	855.8	851.7	854.9	850.0
27.5°	733.3	734.1	725.1	729.2
30°	616.5	612.4	600.9	606.7
32.5°	503.9	493.2	480.9	473.5
35°	397.9	381.4	375.7	373.2
37.5°	312.4	294.3	288.5	282.0
40°	248.3	241.7	239.2	240.9
42.5°	222.8	222.8	224.4	225.2
45°	216.2	218.7	221.1	222.0
47.5°	217.0	219.5	222.8	223.6
50°	218.7	221.1	223.6	224.4
52.5°	219.5	219.5	221.1	222.0
55°	217.8	217.0	217.8	218.7
57.5°	214.6	212.9	213.7	216.2
60°	212.9	210.4	212.1	213.7
62.5°	208.8	208.0	209.6	210.4
65°	199.8	200.6	203.0	203.0
67.5°	191.5	192.4	193.2	194.0
70°	181.7	182.5	184.1	185.0
72.5°	170.2	173.5	175.9	179.2
75°	161.1	164.4	169.3	172.6
77.5°	145.5	148.0	153.7	157.8
80°	123.3	122.5	123.3	125.8
82.5°	94.5	94.5	93.7	92.9
85°	66.6	65.8	63.3	63.3
87.5°	36.2	35.3	34.5	32.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)