

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: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-95SL-LW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33520)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WIDE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

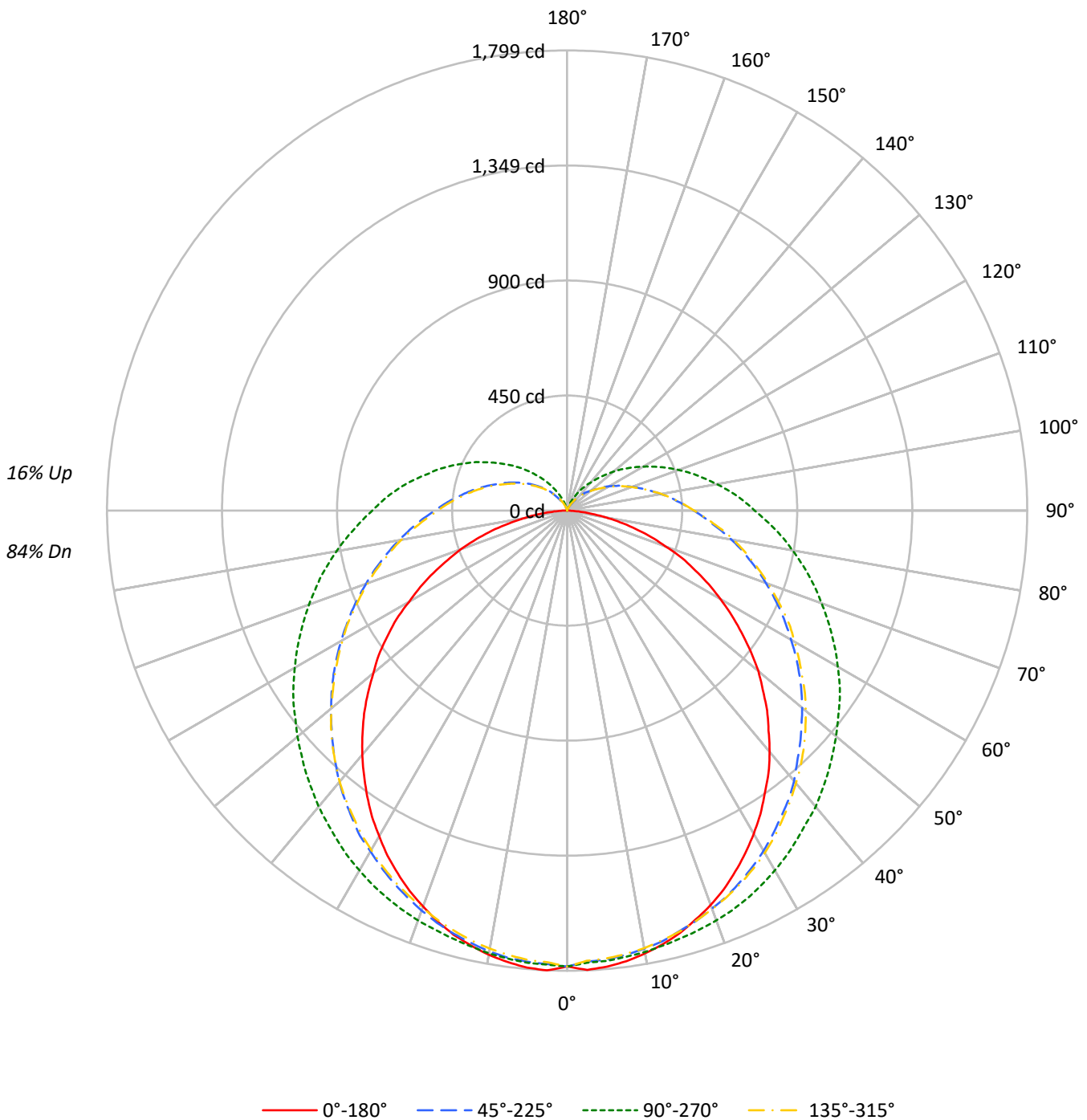
Lumens per Lamp: N/A  
Luminaire Lumens: 7743.0 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 82  
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



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

### Luminous Intensity Polar Plot







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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.8	2.2
10°-20°	485.2	6.3
20°-30°	743.9	9.6
30°-40°	917.8	11.9
40°-50°	995.7	12.9
50°-60°	981.4	12.7
60°-70°	887.3	11.5
70°-80°	739.2	9.5
80°-90°	572.5	7.4
90°-100°	434.2	5.6
100°-110°	321.3	4.2
110°-120°	223.5	2.9
120°-130°	142.6	1.8
130°-140°	80.0	1.0
140°-150°	36.5	0.5
150°-160°	11.3	0.1
160°-170°	1.4	0.0
170°-180°	0.0	0.0
0°-30°	1398.0	18.1
0°-40°	2315.8	29.9
0°-60°	4292.9	55.4
0°-90°	6492.0	83.8
90°-120°	979.1	12.6
90°-150°	1238.3	16.0
90°-180°	1251.0	16.2
0°-180°	7743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1782	1782	1782	1782	1782	
5°	1790	1767	1794	1775	1790	170
15°	1709	1730	1716	1732	1709	482
25°	1557	1671	1566	1669	1557	717
35°	1348	1568	1363	1570	1348	844
45°	1105	1444	1122	1446	1105	852
55°	833	1301	859	1307	833	745
65°	553	1141	577	1152	553	548
75°	278	978	305	996	278	295
85°	53	814	66	837	53	64
90°	2	733	4	761	2	3
95°	2	666	2	698	2	2
105°	2	528	2	560	2	2
115°	2	402	2	438	2	2
125°	2	290	2	322	2	2
135°	2	188	2	222	2	1
145°	2	109	2	134	2	1
155°	2	45	2	62	2	1
165°	2	8	2	11	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1797.3	1797.3	1795.4	1791.6	1793.5	1799.1	1795.4	1786.0	1780.3	1765.3	1769.1
5°	1789.7	1789.7	1787.9	1784.1	1786.0	1793.5	1789.7	1782.2	1774.7	1761.5	1767.2
7.5°	1776.6	1776.6	1774.7	1770.9	1774.7	1782.2	1778.5	1770.9	1765.3	1752.1	1757.8
10°	1757.8	1759.7	1757.8	1752.1	1759.7	1767.2	1765.3	1755.9	1750.3	1739.0	1744.6
12.5°	1735.2	1737.1	1735.2	1733.3	1737.1	1748.4	1744.6	1737.1	1733.3	1723.9	1729.6
15°	1708.9	1710.8	1707.0	1707.0	1710.8	1722.1	1722.1	1714.5	1710.8	1701.4	1712.7
17.5°	1675.1	1676.9	1675.1	1675.1	1678.8	1690.1	1692.0	1688.2	1684.5	1680.7	1692.0
20°	1641.2	1639.3	1639.3	1637.5	1645.0	1661.9	1660.0	1660.0	1656.3	1656.3	1669.4
22.5°	1601.7	1601.7	1599.9	1599.9	1609.3	1624.3	1624.3	1628.1	1624.3	1631.8	1643.1
25°	1556.6	1558.5	1556.6	1560.4	1567.9	1584.8	1586.7	1592.3	1594.2	1601.7	1614.9
27.5°	1509.6	1511.5	1509.6	1513.4	1526.5	1539.7	1549.1	1556.6	1558.5	1569.8	1586.7
30°	1458.9	1458.9	1460.7	1464.5	1479.5	1500.2	1507.7	1517.1	1517.1	1535.9	1552.9
32.5°	1406.2	1406.2	1406.2	1413.7	1430.7	1455.1	1464.5	1475.8	1479.5	1498.3	1517.1
35°	1347.9	1349.8	1349.8	1355.5	1378.0	1402.5	1415.6	1428.8	1436.3	1458.9	1477.7
37.5°	1293.4	1297.2	1291.5	1299.1	1331.0	1351.7	1366.7	1379.9	1393.1	1423.1	1438.2
40°	1231.4	1235.1	1233.3	1248.3	1274.6	1300.9	1317.9	1331.0	1349.8	1379.9	1396.8
42.5°	1165.6	1169.3	1173.1	1190.0	1218.2	1244.5	1265.2	1282.1	1304.7	1331.0	1359.2
45°	1105.4	1105.4	1111.1	1131.7	1161.8	1190.0	1214.5	1233.3	1259.6	1287.8	1316.0
47.5°	1037.7	1039.6	1047.1	1071.6	1103.5	1137.4	1159.9	1184.4	1212.6	1242.7	1274.6
50°	975.7	975.7	987.0	1013.3	1043.4	1081.0	1105.4	1133.6	1163.7	1199.4	1231.4
52.5°	904.3	908.0	924.9	949.4	988.9	1022.7	1050.9	1081.0	1116.7	1154.3	1190.0
55°	832.8	840.3	853.5	887.3	928.7	960.7	994.5	1032.1	1065.9	1107.3	1148.7
57.5°	763.3	768.9	789.6	823.4	866.7	906.1	941.9	977.6	1018.9	1060.3	1103.5
60°	691.8	699.3	723.8	757.6	804.6	846.0	887.3	924.9	968.2	1011.4	1056.5
62.5°	624.1	629.8	658.0	697.5	744.5	789.6	830.9	876.1	923.1	964.4	1009.5
65°	552.7	562.1	594.1	629.8	684.3	729.4	776.4	825.3	874.2	919.3	962.5
67.5°	486.9	492.6	526.4	567.8	622.3	673.0	721.9	774.5	825.3	872.3	915.5
70°	409.8	428.6	462.5	505.7	564.0	616.6	669.3	723.8	778.3	827.2	868.5
72.5°	345.9	361.0	398.6	445.6	502.0	564.0	618.5	676.8	731.3	782.1	825.3
75°	278.2	293.3	336.5	389.2	447.4	513.2	569.6	629.8	686.2	736.9	782.1
77.5°	212.4	231.2	278.2	332.8	396.7	464.4	522.6	582.8	641.1	695.6	740.7
80°	152.3	173.0	223.7	285.8	347.8	415.5	479.4	539.6	597.8	652.3	699.3
82.5°	97.8	120.3	174.8	236.9	302.7	370.4	436.2	496.3	554.6	609.1	658.0
85°	52.6	77.1	133.5	195.5	261.3	329.0	394.8	458.7	515.1	565.9	618.5
87.5°	15.0	45.1	99.6	161.7	229.4	291.4	355.3	419.2	475.6	530.2	577.2
90°	1.9	26.3	75.2	133.5	199.3	259.4	323.4	383.5	439.9	494.4	541.4
92.5°	1.9	16.9	58.3	110.9	171.1	233.1	297.0	355.3	408.0	462.5	509.5
95°	1.9	13.2	47.0	94.0	150.4	208.7	268.8	325.2	379.8	430.5	477.5
97.5°	1.9	9.4	37.6	80.8	131.6	186.1	244.4	300.8	353.4	402.3	445.6
100°	1.9	7.5	30.1	69.6	114.7	167.3	220.0	274.5	325.2	372.2	417.4
102.5°	1.9	5.6	26.3	58.3	101.5	148.5	199.3	250.0	298.9	344.0	389.2
105°	1.9	5.6	22.6	50.8	90.2	133.5	180.5	229.4	274.5	317.7	359.1
107.5°	1.9	3.8	18.8	43.2	79.0	120.3	163.6	210.6	251.9	293.3	332.8
110°	1.9	3.8	15.0	39.5	69.6	107.2	148.5	191.8	231.2	270.7	308.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.9	3.8	13.2	33.8	60.2	95.9	133.5	173.0	210.6	250.0	283.9
115°	1.9	3.8	11.3	30.1	56.4	82.7	120.3	156.0	193.6	229.4	261.3
117.5°	1.9	3.8	9.4	24.4	48.9	75.2	105.3	141.0	174.8	208.7	238.8
120°	1.9	3.8	7.5	22.6	43.2	67.7	94.0	126.0	157.9	189.9	221.8
122.5°	1.9	1.9	7.5	18.8	37.6	60.2	86.5	110.9	141.0	171.1	199.3
125°	1.9	1.9	7.5	16.9	32.0	54.5	77.1	99.6	126.0	152.3	176.7
127.5°	1.9	1.9	5.6	13.2	28.2	47.0	67.7	92.1	110.9	135.4	159.8
130°	1.9	1.9	5.6	11.3	24.4	39.5	60.2	80.8	103.4	120.3	141.0
132.5°	1.9	1.9	5.6	9.4	18.8	32.0	50.8	69.6	90.2	109.0	126.0
135°	1.9	1.9	3.8	7.5	15.0	26.3	41.4	58.3	79.0	97.8	114.7
137.5°	1.9	1.9	3.8	7.5	11.3	22.6	32.0	47.0	65.8	82.7	99.6
140°	1.9	1.9	3.8	5.6	9.4	16.9	26.3	37.6	52.6	67.7	86.5
142.5°	1.9	1.9	1.9	5.6	7.5	13.2	20.7	30.1	41.4	54.5	69.6
145°	1.9	1.9	1.9	5.6	7.5	9.4	16.9	24.4	32.0	41.4	54.5
147.5°	1.9	1.9	1.9	3.8	5.6	7.5	13.2	18.8	24.4	32.0	39.5
150°	1.9	1.9	1.9	3.8	5.6	7.5	9.4	13.2	18.8	26.3	32.0
152.5°	1.9	1.9	1.9	3.8	3.8	5.6	7.5	9.4	13.2	18.8	22.6
155°	1.9	1.9	1.9	1.9	3.8	5.6	7.5	7.5	9.4	13.2	16.9
157.5°	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6	7.5	7.5	11.3
160°	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6	5.6	5.6
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	5.6	5.6
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1769.1	1770.9	1776.6	1776.6	1772.8	1772.8	1770.9	1769.1	1770.9	1774.7	1774.7
5°	1765.3	1767.2	1772.8	1774.7	1770.9	1769.1	1769.1	1767.2	1769.1	1772.8	1772.8
7.5°	1757.8	1759.7	1765.3	1767.2	1763.4	1763.4	1761.5	1759.7	1763.4	1765.3	1765.3
10°	1746.5	1748.4	1755.9	1757.8	1755.9	1754.0	1754.0	1752.1	1754.0	1757.8	1757.8
12.5°	1731.5	1735.2	1744.6	1744.6	1744.6	1742.7	1742.7	1740.9	1742.7	1746.5	1744.6
15°	1714.5	1722.1	1729.6	1733.3	1733.3	1733.3	1731.5	1729.6	1733.3	1735.2	1733.3
17.5°	1695.7	1705.1	1716.4	1720.2	1720.2	1722.1	1720.2	1718.3	1722.1	1722.1	1720.2
20°	1676.9	1686.3	1697.6	1701.4	1705.1	1707.0	1707.0	1705.1	1707.0	1708.9	1707.0
22.5°	1652.5	1663.8	1676.9	1682.6	1686.3	1690.1	1690.1	1690.1	1692.0	1693.9	1690.1
25°	1626.2	1639.3	1654.4	1660.0	1667.5	1669.4	1671.3	1671.3	1673.2	1675.1	1669.4
27.5°	1598.0	1613.0	1628.1	1637.5	1643.1	1646.9	1646.9	1648.7	1650.6	1652.5	1646.9
30°	1564.1	1586.7	1599.9	1607.4	1614.9	1620.5	1622.4	1624.3	1626.2	1628.1	1622.4
32.5°	1534.1	1552.9	1569.8	1579.2	1588.6	1596.1	1598.0	1598.0	1601.7	1601.7	1596.1
35°	1498.3	1520.9	1537.8	1547.2	1558.5	1564.1	1567.9	1567.9	1571.7	1571.7	1566.0
37.5°	1462.6	1485.2	1504.0	1515.3	1528.4	1535.9	1537.8	1537.8	1541.6	1541.6	1534.1
40°	1425.0	1449.5	1470.1	1483.3	1494.6	1504.0	1505.9	1511.5	1511.5	1509.6	1502.1
42.5°	1387.4	1410.0	1432.5	1447.6	1462.6	1472.0	1475.8	1477.7	1477.7	1475.8	1470.1
45°	1346.1	1372.4	1393.1	1411.9	1426.9	1436.3	1441.9	1443.8	1443.8	1440.1	1434.4
47.5°	1306.6	1332.9	1353.6	1374.3	1389.3	1400.6	1406.2	1408.1	1406.2	1404.3	1398.7
50°	1265.2	1295.3	1316.0	1336.7	1351.7	1361.1	1370.5	1372.4	1370.5	1368.6	1357.3
52.5°	1222.0	1253.9	1276.5	1297.2	1314.1	1325.4	1332.9	1334.8	1334.8	1331.0	1323.5
55°	1178.7	1206.9	1235.1	1257.7	1276.5	1287.8	1297.2	1300.9	1297.2	1293.4	1284.0
57.5°	1139.3	1165.6	1193.8	1218.2	1237.0	1252.1	1259.6	1263.3	1259.6	1253.9	1244.5
60°	1092.3	1120.5	1152.4	1175.0	1195.7	1210.7	1214.5	1222.0	1218.2	1212.6	1203.2
62.5°	1047.1	1081.0	1109.2	1137.4	1154.3	1171.2	1178.7	1182.5	1178.7	1173.1	1163.7
65°	1000.1	1037.7	1065.9	1094.1	1112.9	1129.9	1139.3	1141.1	1137.4	1131.7	1122.3
67.5°	956.9	992.6	1022.7	1052.8	1069.7	1086.6	1096.0	1099.8	1096.0	1088.5	1079.1
70°	913.7	949.4	985.1	1007.7	1028.3	1047.1	1052.8	1058.4	1054.7	1047.1	1035.9
72.5°	870.4	908.0	943.7	966.3	988.9	1005.8	1013.3	1018.9	1015.2	1007.7	994.5
75°	825.3	864.8	900.5	924.9	947.5	964.4	971.9	977.6	973.8	966.3	951.3
77.5°	783.9	823.4	857.3	883.6	906.1	921.2	934.3	936.2	932.5	924.9	909.9
80°	740.7	780.2	815.9	842.2	864.8	879.8	889.2	894.9	891.1	883.6	868.5
82.5°	703.1	738.8	774.5	800.9	823.4	842.2	849.7	855.4	853.5	842.2	830.9
85°	661.7	703.1	731.3	759.5	782.1	800.9	806.5	814.0	812.1	802.7	787.7
87.5°	620.4	661.7	695.6	723.8	744.5	759.5	768.9	772.7	770.8	761.4	744.5
90°	586.6	624.1	658.0	688.1	705.0	721.9	731.3	733.2	733.2	721.9	708.7
92.5°	554.6	590.3	624.1	652.3	673.0	688.1	695.6	699.3	697.5	688.1	673.0
95°	518.9	558.4	590.3	618.5	639.2	654.2	661.7	665.5	663.6	654.2	639.2
97.5°	488.8	524.5	556.5	582.8	603.5	618.5	626.0	629.8	629.8	620.4	605.4
100°	458.7	494.4	524.5	550.8	569.6	584.7	592.2	594.1	592.2	584.7	569.6
102.5°	428.6	462.5	492.6	517.0	537.7	550.8	558.4	560.2	560.2	550.8	535.8
105°	398.6	432.4	460.6	486.9	503.8	517.0	522.6	528.3	526.4	518.9	503.8
107.5°	370.4	404.2	430.5	455.0	471.9	485.0	490.7	496.3	494.4	486.9	471.9
110°	344.0	376.0	400.4	424.9	439.9	453.1	462.5	464.4	460.6	453.1	439.9





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	319.6	347.8	372.2	394.8	411.7	421.1	428.6	432.4	428.6	421.1	411.7
115°	293.3	321.5	345.9	366.6	381.6	392.9	398.6	402.3	398.6	391.0	381.6
117.5°	268.8	295.2	319.6	340.3	353.4	362.8	368.5	372.2	368.5	362.8	353.4
120°	248.2	270.7	293.3	312.1	327.1	334.6	340.3	344.0	342.2	334.6	325.2
122.5°	223.7	248.2	268.8	287.6	300.8	308.3	312.1	315.8	314.0	308.3	298.9
125°	203.0	223.7	244.4	261.3	274.5	282.0	285.8	289.5	287.6	282.0	270.7
127.5°	180.5	203.0	220.0	236.9	246.3	257.6	259.4	263.2	261.3	255.7	246.3
130°	163.6	180.5	197.4	212.4	223.7	231.2	235.0	236.9	233.1	229.4	220.0
132.5°	142.9	161.7	176.7	189.9	197.4	204.9	208.7	210.6	210.6	204.9	197.4
135°	127.8	141.0	154.2	167.3	174.8	182.4	186.1	188.0	186.1	182.4	174.8
137.5°	114.7	126.0	135.4	146.6	156.0	159.8	163.6	163.6	161.7	159.8	154.2
140°	99.6	112.8	122.2	129.7	137.2	139.1	142.9	142.9	141.0	139.1	135.4
142.5°	84.6	95.9	105.3	114.7	120.3	124.1	126.0	127.8	126.0	124.1	118.4
145°	67.7	80.8	90.2	95.9	103.4	105.3	107.2	109.0	107.2	105.3	99.6
147.5°	52.6	63.9	73.3	80.8	86.5	88.4	90.2	92.1	90.2	86.5	84.6
150°	37.6	47.0	58.3	65.8	69.6	73.3	73.3	73.3	75.2	71.4	67.7
152.5°	30.1	33.8	41.4	48.9	54.5	56.4	58.3	58.3	56.4	56.4	52.6
155°	20.7	24.4	30.1	35.7	41.4	43.2	45.1	45.1	43.2	43.2	41.4
157.5°	13.2	16.9	20.7	24.4	30.1	32.0	33.8	33.8	33.8	32.0	30.1
160°	7.5	9.4	11.3	15.0	18.8	20.7	22.6	22.6	22.6	22.6	20.7
162.5°	5.6	5.6	5.6	7.5	9.4	11.3	13.2	13.2	13.2	13.2	11.3
165°	3.8	3.8	3.8	3.8	3.8	5.6	7.5	7.5	7.5	7.5	7.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1772.8	1772.8	1774.7	1770.9	1759.7	1761.5	1761.5	1769.1	1772.8	1774.7	1784.1
5°	1769.1	1769.1	1772.8	1767.2	1757.8	1757.8	1757.8	1765.3	1767.2	1770.9	1778.5
7.5°	1763.4	1763.4	1765.3	1759.7	1748.4	1748.4	1746.5	1754.0	1757.8	1759.7	1767.2
10°	1754.0	1754.0	1755.9	1750.3	1737.1	1737.1	1735.2	1740.9	1742.7	1746.5	1752.1
12.5°	1740.9	1740.9	1740.9	1735.2	1722.1	1720.2	1718.3	1723.9	1723.9	1725.8	1731.5
15°	1729.6	1725.8	1725.8	1720.2	1707.0	1703.3	1699.5	1701.4	1705.1	1703.3	1707.0
17.5°	1716.4	1712.7	1708.9	1703.3	1686.3	1680.7	1676.9	1678.8	1676.9	1675.1	1678.8
20°	1701.4	1695.7	1693.9	1684.5	1667.5	1658.1	1650.6	1646.9	1648.7	1643.1	1645.0
22.5°	1684.5	1676.9	1673.2	1661.9	1645.0	1633.7	1624.3	1616.8	1614.9	1607.4	1609.3
25°	1663.8	1654.4	1648.7	1639.3	1620.5	1607.4	1596.1	1584.8	1579.2	1569.8	1567.9
27.5°	1639.3	1629.9	1622.4	1613.0	1594.2	1577.3	1564.1	1549.1	1541.6	1530.3	1524.7
30°	1614.9	1603.6	1592.3	1584.8	1564.1	1545.3	1524.7	1511.5	1500.2	1487.1	1477.7
32.5°	1584.8	1573.5	1562.3	1551.0	1532.2	1509.6	1492.7	1472.0	1458.9	1443.8	1432.5
35°	1554.7	1539.7	1528.4	1513.4	1496.5	1470.1	1449.5	1428.8	1411.9	1394.9	1381.8
37.5°	1520.9	1509.6	1492.7	1479.5	1458.9	1432.5	1410.0	1383.7	1368.6	1346.1	1329.1
40°	1488.9	1475.8	1458.9	1441.9	1421.3	1391.2	1366.7	1336.7	1319.7	1293.4	1276.5
42.5°	1457.0	1438.2	1421.3	1402.5	1379.9	1351.7	1321.6	1291.5	1269.0	1244.5	1220.1
45°	1421.3	1400.6	1379.9	1359.2	1336.7	1308.5	1276.5	1244.5	1216.3	1193.8	1163.7
47.5°	1383.7	1363.0	1338.5	1316.0	1291.5	1263.3	1229.5	1195.7	1165.6	1139.3	1107.3
50°	1346.1	1325.4	1299.1	1274.6	1246.4	1218.2	1182.5	1143.0	1111.1	1077.2	1049.0
52.5°	1306.6	1285.9	1261.5	1229.5	1199.4	1171.2	1133.6	1092.3	1056.5	1028.3	992.6
55°	1267.1	1246.4	1218.2	1186.3	1156.2	1120.5	1084.7	1043.4	1003.9	970.1	934.3
57.5°	1225.7	1206.9	1175.0	1148.7	1111.1	1073.5	1035.9	996.4	953.1	913.7	872.3
60°	1184.4	1163.7	1133.6	1101.7	1064.1	1026.5	987.0	943.7	898.6	855.4	817.8
62.5°	1146.8	1120.5	1092.3	1058.4	1018.9	983.2	938.1	891.1	846.0	800.9	755.7
65°	1103.5	1075.3	1049.0	1015.2	973.8	932.5	887.3	840.3	791.5	742.6	697.5
67.5°	1060.3	1032.1	1003.9	970.1	926.8	883.6	836.6	789.6	735.1	688.1	635.4
70°	1017.1	994.5	958.8	923.1	883.6	836.6	789.6	738.8	682.4	631.7	577.2
72.5°	973.8	951.3	915.5	877.9	840.3	791.5	740.7	689.9	637.3	579.0	520.8
75°	932.5	904.3	872.3	836.6	797.1	746.3	695.6	642.9	580.9	526.4	466.2
77.5°	893.0	866.7	834.7	795.2	752.0	703.1	650.5	596.0	533.9	475.6	409.8
80°	849.7	823.4	791.5	752.0	708.7	661.7	605.4	549.0	488.8	424.9	357.2
82.5°	808.4	783.9	748.2	712.5	665.5	618.5	562.1	505.7	441.8	379.8	314.0
85°	765.1	740.7	706.9	669.3	624.1	573.4	520.8	464.4	400.4	336.5	270.7
87.5°	727.5	699.3	665.5	627.9	582.8	533.9	483.2	423.0	361.0	298.9	231.2
90°	688.1	661.7	627.9	590.3	545.2	496.3	443.7	387.3	327.1	263.2	199.3
92.5°	654.2	626.0	594.1	556.5	511.4	464.4	411.7	355.3	297.0	235.0	173.0
95°	620.4	592.2	562.1	524.5	479.4	432.4	379.8	325.2	268.8	208.7	150.4
97.5°	582.8	558.4	528.3	492.6	447.4	402.3	351.6	298.9	244.4	186.1	131.6
100°	552.7	524.5	496.3	458.7	417.4	374.1	323.4	272.6	220.0	165.4	114.7
102.5°	518.9	492.6	464.4	428.6	387.3	344.0	297.0	248.2	199.3	148.5	99.6
105°	486.9	462.5	432.4	398.6	359.1	317.7	272.6	227.5	180.5	131.6	88.4
107.5°	455.0	430.5	402.3	370.4	332.8	291.4	250.0	204.9	161.7	118.4	79.0
110°	423.0	400.4	374.1	342.2	306.4	268.8	229.4	188.0	144.8	105.3	69.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	394.8	372.2	345.9	315.8	282.0	246.3	208.7	169.2	129.7	94.0	60.2
115°	366.6	345.9	319.6	293.3	259.4	225.6	189.9	152.3	116.6	84.6	52.6
117.5°	338.4	317.7	293.3	267.0	236.9	204.9	171.1	135.4	105.3	75.2	47.0
120°	310.2	291.4	268.8	244.4	218.1	186.1	152.3	122.2	94.0	65.8	41.4
122.5°	283.9	267.0	246.3	223.7	195.5	165.4	137.2	110.9	84.6	58.3	33.8
125°	259.4	242.5	223.7	201.2	174.8	148.5	124.1	99.6	73.3	50.8	28.2
127.5°	235.0	218.1	199.3	178.6	157.9	133.5	110.9	88.4	65.8	45.1	24.4
130°	210.6	195.5	178.6	161.7	141.0	118.4	99.6	77.1	56.4	35.7	20.7
132.5°	186.1	174.8	159.8	142.9	124.1	107.2	86.5	67.7	48.9	32.0	18.8
135°	165.4	154.2	141.0	126.0	110.9	94.0	75.2	58.3	41.4	26.3	15.0
137.5°	146.6	137.2	124.1	110.9	97.8	80.8	65.8	48.9	33.8	22.6	11.3
140°	129.7	120.3	109.0	95.9	84.6	69.6	54.5	39.5	30.1	18.8	9.4
142.5°	112.8	103.4	94.0	82.7	71.4	58.3	45.1	33.8	24.4	15.0	9.4
145°	95.9	88.4	79.0	69.6	58.3	47.0	37.6	28.2	18.8	11.3	7.5
147.5°	79.0	73.3	63.9	56.4	47.0	37.6	30.1	22.6	15.0	9.4	5.6
150°	63.9	58.3	50.8	43.2	37.6	30.1	24.4	16.9	11.3	9.4	5.6
152.5°	48.9	45.1	39.5	35.7	30.1	22.6	16.9	13.2	9.4	7.5	3.8
155°	39.5	35.7	32.0	26.3	22.6	16.9	13.2	9.4	7.5	5.6	3.8
157.5°	28.2	26.3	22.6	18.8	15.0	11.3	9.4	9.4	5.6	3.8	1.9
160°	18.8	16.9	15.0	11.3	9.4	9.4	7.5	5.6	3.8	3.8	1.9
162.5°	11.3	9.4	9.4	9.4	7.5	7.5	5.6	3.8	3.8	1.9	1.9
165°	7.5	7.5	7.5	5.6	5.6	5.6	3.8	1.9	1.9	1.9	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1784.1	1778.5	1786.0	1799.1	1801.0	1799.1	1795.4	1801.0	1808.5	1806.7	1793.5
5°	1780.3	1772.8	1780.3	1793.5	1793.5	1791.6	1789.7	1795.4	1802.9	1801.0	1789.7
7.5°	1769.1	1761.5	1769.1	1780.3	1782.2	1778.5	1778.5	1784.1	1791.6	1789.7	1780.3
10°	1754.0	1746.5	1750.3	1763.4	1767.2	1763.4	1763.4	1769.1	1778.5	1776.6	1765.3
12.5°	1731.5	1725.8	1729.6	1740.9	1744.6	1742.7	1740.9	1748.4	1757.8	1757.8	1746.5
15°	1707.0	1699.5	1703.3	1716.4	1718.3	1714.5	1716.4	1722.1	1733.3	1733.3	1723.9
17.5°	1678.8	1669.4	1675.1	1684.5	1686.3	1686.3	1686.3	1693.9	1707.0	1705.1	1697.6
20°	1646.9	1633.7	1637.5	1646.9	1650.6	1650.6	1650.6	1663.8	1673.2	1673.2	1665.7
22.5°	1609.3	1599.9	1599.9	1609.3	1614.9	1613.0	1613.0	1624.3	1637.5	1635.6	1635.6
25°	1566.0	1558.5	1554.7	1566.0	1567.9	1569.8	1573.5	1584.8	1599.9	1599.9	1601.7
27.5°	1520.9	1513.4	1511.5	1520.9	1522.8	1524.7	1528.4	1541.6	1556.6	1558.5	1562.3
30°	1477.7	1466.4	1462.6	1470.1	1473.9	1475.8	1475.8	1496.5	1509.6	1515.3	1522.8
32.5°	1426.9	1415.6	1406.2	1419.4	1421.3	1425.0	1426.9	1447.6	1462.6	1472.0	1483.3
35°	1376.1	1357.3	1353.6	1363.0	1366.7	1368.6	1372.4	1394.9	1415.6	1423.1	1438.2
37.5°	1319.7	1306.6	1295.3	1304.7	1308.5	1310.3	1321.6	1342.3	1363.0	1374.3	1389.3
40°	1267.1	1250.2	1240.8	1246.4	1250.2	1252.1	1265.2	1287.8	1312.2	1325.4	1344.2
42.5°	1208.8	1186.3	1178.7	1184.4	1186.3	1191.9	1203.2	1233.3	1257.7	1276.5	1291.5
45°	1150.5	1133.6	1116.7	1122.3	1124.2	1128.0	1144.9	1176.9	1203.2	1225.7	1242.7
47.5°	1090.4	1069.7	1052.8	1056.5	1064.1	1065.9	1084.7	1122.3	1146.8	1171.2	1193.8
50°	1030.2	1002.0	988.9	988.9	992.6	1002.0	1026.5	1064.1	1090.4	1118.6	1143.0
52.5°	968.2	941.9	926.8	928.7	932.5	943.7	966.3	1003.9	1034.0	1064.1	1094.1
55°	906.1	877.9	862.9	859.1	862.9	877.9	904.3	943.7	973.8	1009.5	1041.5
57.5°	844.1	810.3	797.1	791.5	795.2	814.0	840.3	881.7	919.3	953.1	990.7
60°	776.4	750.1	727.5	714.4	723.8	748.2	776.4	819.7	859.1	896.7	938.1
62.5°	718.1	684.3	659.9	646.7	656.1	676.8	716.3	757.6	800.9	844.1	885.5
65°	652.3	618.5	590.3	577.2	586.6	611.0	650.5	695.6	742.6	785.8	834.7
67.5°	588.4	552.7	518.9	505.7	517.0	543.3	586.6	637.3	688.1	733.2	785.8
70°	526.4	486.9	451.2	441.8	449.3	485.0	526.4	577.2	629.8	682.4	736.9
72.5°	470.0	421.1	383.5	372.2	381.6	421.1	468.1	520.8	577.2	633.5	691.8
75°	404.2	359.1	317.7	304.6	315.8	351.6	409.8	466.2	526.4	586.6	641.1
77.5°	351.6	298.9	255.7	235.0	253.8	298.9	355.3	415.5	477.5	539.6	601.6
80°	297.0	242.5	195.5	173.0	193.6	242.5	298.9	364.7	434.3	496.3	552.7
82.5°	248.2	189.9	141.0	116.6	139.1	193.6	255.7	321.5	389.2	451.2	517.0
85°	203.0	142.9	92.1	65.8	97.8	146.6	212.4	280.1	349.7	413.6	477.5
87.5°	165.4	107.2	56.4	28.2	60.2	114.7	176.7	244.4	314.0	377.9	438.0
90°	135.4	77.1	30.1	3.8	35.7	86.5	146.6	212.4	278.2	344.0	404.2
92.5°	110.9	58.3	16.9	1.9	22.6	69.6	126.0	188.0	251.9	315.8	374.1
95°	92.1	45.1	11.3	1.9	16.9	54.5	107.2	167.3	227.5	289.5	347.8
97.5°	79.0	37.6	9.4	1.9	13.2	47.0	92.1	148.5	206.8	265.1	321.5
100°	67.7	30.1	7.5	1.9	11.3	39.5	80.8	131.6	186.1	242.5	297.0
102.5°	58.3	24.4	5.6	1.9	9.4	33.8	71.4	118.4	167.3	221.8	274.5
105°	50.8	20.7	5.6	1.9	7.5	30.1	63.9	105.3	154.2	203.0	253.8
107.5°	43.2	16.9	3.8	1.9	5.6	24.4	56.4	95.9	139.1	186.1	233.1
110°	37.6	15.0	3.8	1.9	5.6	22.6	48.9	86.5	126.0	169.2	214.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	32.0	11.3	3.8	1.9	3.8	18.8	43.2	77.1	114.7	154.2	197.4
115°	28.2	9.4	1.9	1.9	3.8	16.9	39.5	69.6	103.4	141.0	180.5
117.5°	22.6	7.5	1.9	1.9	1.9	13.2	33.8	62.0	94.0	129.7	165.4
120°	18.8	7.5	1.9	1.9	1.9	11.3	30.1	54.5	84.6	116.6	150.4
122.5°	16.9	5.6	1.9	1.9	1.9	9.4	26.3	48.9	75.2	105.3	137.2
125°	15.0	5.6	1.9	1.9	1.9	7.5	22.6	43.2	67.7	94.0	124.1
127.5°	11.3	5.6	1.9	1.9	1.9	5.6	20.7	37.6	60.2	84.6	110.9
130°	9.4	3.8	1.9	1.9	1.9	5.6	16.9	33.8	52.6	75.2	99.6
132.5°	7.5	3.8	1.9	1.9	1.9	3.8	13.2	26.3	45.1	65.8	88.4
135°	7.5	3.8	1.9	1.9	1.9	3.8	9.4	22.6	37.6	56.4	75.2
137.5°	7.5	1.9	1.9	1.9	1.9	3.8	7.5	16.9	30.1	45.1	62.0
140°	5.6	1.9	1.9	1.9	1.9	1.9	5.6	13.2	24.4	37.6	52.6
142.5°	5.6	1.9	1.9	1.9	1.9	1.9	5.6	9.4	18.8	30.1	41.4
145°	3.8	1.9	1.9	1.9	1.9	1.9	3.8	7.5	15.0	22.6	33.8
147.5°	3.8	1.9	1.9	1.9	1.9	1.9	3.8	5.6	11.3	18.8	26.3
150°	3.8	1.9	1.9	1.9	1.9	1.9	3.8	5.6	7.5	13.2	20.7
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	9.4	13.2
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.6	7.5	9.4
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	7.5
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1787.9	1774.7	1778.5	1776.6	1780.3	1786.0	1786.0	1784.1	1784.1	1780.3	1776.6
5°	1784.1	1770.9	1776.6	1774.7	1778.5	1784.1	1784.1	1782.2	1782.2	1776.6	1774.7
7.5°	1772.8	1763.4	1767.2	1767.2	1770.9	1776.6	1776.6	1774.7	1774.7	1769.1	1767.2
10°	1761.5	1750.3	1755.9	1755.9	1759.7	1767.2	1767.2	1765.3	1765.3	1759.7	1757.8
12.5°	1742.7	1731.5	1740.9	1742.7	1746.5	1754.0	1752.1	1752.1	1752.1	1746.5	1744.6
15°	1720.2	1712.7	1722.1	1723.9	1729.6	1739.0	1739.0	1739.0	1739.0	1733.3	1731.5
17.5°	1695.7	1690.1	1699.5	1703.3	1710.8	1720.2	1720.2	1722.1	1723.9	1720.2	1718.3
20°	1667.5	1663.8	1673.2	1680.7	1692.0	1701.4	1705.1	1707.0	1710.8	1707.0	1705.1
22.5°	1635.6	1635.6	1648.7	1656.3	1669.4	1678.8	1684.5	1690.1	1693.9	1690.1	1688.2
25°	1599.9	1605.5	1618.7	1631.8	1646.9	1656.3	1661.9	1669.4	1673.2	1671.3	1669.4
27.5°	1566.0	1573.5	1590.5	1603.6	1616.8	1631.8	1637.5	1646.9	1650.6	1650.6	1648.7
30°	1526.5	1537.8	1556.6	1571.7	1588.6	1603.6	1611.1	1620.5	1626.2	1622.4	1624.3
32.5°	1488.9	1507.7	1522.8	1539.7	1558.5	1573.5	1582.9	1594.2	1599.9	1598.0	1599.9
35°	1447.6	1466.4	1487.1	1504.0	1526.5	1541.6	1554.7	1564.1	1571.7	1569.8	1569.8
37.5°	1402.5	1426.9	1447.6	1470.1	1490.8	1507.7	1520.9	1532.2	1539.7	1539.7	1539.7
40°	1359.2	1385.5	1406.2	1432.5	1458.9	1473.9	1488.9	1500.2	1507.7	1509.6	1511.5
42.5°	1312.2	1340.4	1364.9	1393.1	1419.4	1438.2	1455.1	1468.3	1475.8	1479.5	1477.7
45°	1269.0	1295.3	1323.5	1355.5	1379.9	1398.7	1419.4	1434.4	1441.9	1443.8	1445.7
47.5°	1220.1	1250.2	1282.1	1314.1	1338.5	1363.0	1381.8	1396.8	1404.3	1410.0	1410.0
50°	1173.1	1205.1	1240.8	1274.6	1300.9	1325.4	1344.2	1361.1	1370.5	1374.3	1376.1
52.5°	1129.9	1159.9	1197.5	1231.4	1257.7	1282.1	1306.6	1325.4	1334.8	1338.5	1338.5
55°	1077.2	1114.8	1156.2	1188.1	1216.3	1244.5	1269.0	1287.8	1297.2	1302.8	1306.6
57.5°	1028.3	1067.8	1111.1	1144.9	1178.7	1205.1	1227.6	1252.1	1259.6	1267.1	1269.0
60°	981.3	1020.8	1062.2	1099.8	1133.6	1161.8	1188.1	1208.8	1222.0	1225.7	1229.5
62.5°	932.5	973.8	1017.1	1054.7	1090.4	1124.2	1148.7	1167.5	1182.5	1188.1	1191.9
65°	885.5	928.7	971.9	1011.4	1049.0	1082.9	1107.3	1126.1	1141.1	1150.5	1152.4
67.5°	834.7	881.7	926.8	968.2	1005.8	1041.5	1065.9	1084.7	1099.8	1111.1	1112.9
70°	787.7	836.6	881.7	926.8	964.4	1000.1	1026.5	1045.3	1062.2	1069.7	1073.5
72.5°	742.6	793.3	840.3	885.5	923.1	958.8	987.0	1005.8	1022.7	1032.1	1034.0
75°	699.3	750.1	800.9	844.1	883.6	919.3	947.5	968.2	983.2	992.6	996.4
77.5°	656.1	708.7	759.5	802.7	844.1	879.8	904.3	928.7	943.7	955.0	955.0
80°	612.9	667.4	720.0	763.3	804.6	836.6	864.8	889.2	904.3	915.5	915.5
82.5°	575.3	627.9	678.7	721.9	763.3	799.0	827.2	849.7	866.7	874.2	876.1
85°	532.0	590.3	637.3	684.3	723.8	757.6	785.8	810.3	825.3	832.8	836.6
87.5°	496.3	552.7	603.5	644.8	684.3	718.1	750.1	770.8	785.8	795.2	799.0
90°	462.5	517.0	567.8	609.1	650.5	682.4	712.5	733.2	750.1	757.6	761.4
92.5°	432.4	486.9	535.8	577.2	616.6	652.3	680.5	701.2	716.3	723.8	729.4
95°	404.2	456.8	503.8	549.0	586.6	618.5	648.6	669.3	686.2	691.8	697.5
97.5°	376.0	426.8	473.8	517.0	556.5	586.6	614.8	635.4	648.6	658.0	663.6
100°	351.6	400.4	445.6	486.9	524.5	552.7	582.8	601.6	614.8	622.3	629.8
102.5°	325.2	374.1	417.4	456.8	496.3	522.6	550.8	569.6	580.9	594.1	594.1
105°	302.7	347.8	391.0	428.6	462.5	494.4	518.9	537.7	550.8	560.2	560.2
107.5°	278.2	323.4	364.7	404.2	436.2	466.2	488.8	505.7	520.8	526.4	532.0
110°	259.4	298.9	340.3	377.9	408.0	436.2	458.7	477.5	490.7	496.3	500.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	236.9	278.2	315.8	351.6	381.6	408.0	430.5	445.6	458.7	466.2	468.1
115°	218.1	257.6	291.4	325.2	357.2	379.8	400.4	415.5	428.6	434.3	438.0
117.5°	201.2	236.9	270.7	298.9	329.0	353.4	374.1	387.3	398.6	406.1	409.8
120°	184.2	218.1	248.2	276.4	304.6	327.1	345.9	359.1	372.2	377.9	377.9
122.5°	167.3	199.3	227.5	253.8	280.1	300.8	321.5	332.8	344.0	349.7	349.7
125°	152.3	182.4	208.7	233.1	257.6	276.4	293.3	306.4	317.7	321.5	321.5
127.5°	137.2	165.4	189.9	212.4	233.1	251.9	268.8	282.0	291.4	295.2	295.2
130°	124.1	148.5	171.1	193.6	214.3	229.4	246.3	257.6	263.2	268.8	270.7
132.5°	110.9	133.5	154.2	173.0	193.6	208.7	221.8	233.1	238.8	244.4	246.3
135°	97.8	118.4	137.2	156.0	173.0	188.0	199.3	208.7	216.2	220.0	221.8
137.5°	82.7	105.3	122.2	137.2	156.0	167.3	180.5	186.1	193.6	197.4	197.4
140°	69.6	86.5	105.3	120.3	135.4	146.6	157.9	167.3	173.0	174.8	174.8
142.5°	56.4	71.4	86.5	105.3	118.4	127.8	139.1	146.6	150.4	152.3	154.2
145°	45.1	56.4	69.6	86.5	101.5	112.8	118.4	126.0	129.7	131.6	133.5
147.5°	33.8	45.1	56.4	67.7	82.7	94.0	99.6	107.2	110.9	112.8	112.8
150°	26.3	33.8	41.4	52.6	63.9	77.1	84.6	90.2	92.1	94.0	94.0
152.5°	18.8	26.3	32.0	39.5	47.0	58.3	69.6	73.3	75.2	77.1	77.1
155°	13.2	18.8	22.6	28.2	33.8	43.2	52.6	58.3	60.2	62.0	62.0
157.5°	9.4	13.2	15.0	20.7	24.4	28.2	35.7	45.1	47.0	47.0	47.0
160°	5.6	7.5	9.4	13.2	15.0	18.8	22.6	28.2	33.8	33.8	33.8
162.5°	3.8	5.6	5.6	7.5	7.5	11.3	13.2	15.0	20.7	22.6	22.6
165°	1.9	3.8	3.8	3.8	3.8	3.8	5.6	5.6	9.4	11.3	11.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1778.5	1782.2	1780.3	1780.3	1780.3	1784.1	1780.3	1763.4	1767.2	1770.9	1774.7
5°	1776.6	1778.5	1778.5	1776.6	1776.6	1780.3	1776.6	1759.7	1763.4	1767.2	1769.1
7.5°	1769.1	1770.9	1770.9	1770.9	1769.1	1772.8	1767.2	1752.1	1752.1	1755.9	1757.8
10°	1759.7	1763.4	1761.5	1759.7	1759.7	1759.7	1755.9	1739.0	1739.0	1740.9	1742.7
12.5°	1748.4	1748.4	1748.4	1746.5	1744.6	1744.6	1740.9	1723.9	1722.1	1725.8	1723.9
15°	1733.3	1737.1	1733.3	1731.5	1727.7	1727.7	1722.1	1705.1	1701.4	1703.3	1701.4
17.5°	1720.2	1722.1	1718.3	1714.5	1710.8	1708.9	1703.3	1684.5	1678.8	1680.7	1676.9
20°	1707.0	1707.0	1703.3	1699.5	1693.9	1688.2	1680.7	1661.9	1652.5	1652.5	1645.0
22.5°	1690.1	1690.1	1686.3	1680.7	1675.1	1667.5	1660.0	1641.2	1626.2	1622.4	1616.8
25°	1671.3	1669.4	1667.5	1661.9	1650.6	1643.1	1635.6	1614.9	1598.0	1590.5	1581.1
27.5°	1648.7	1648.7	1643.1	1637.5	1626.2	1616.8	1607.4	1588.6	1566.0	1556.6	1543.5
30°	1624.3	1624.3	1618.7	1611.1	1599.9	1588.6	1577.3	1554.7	1532.2	1519.0	1504.0
32.5°	1599.9	1598.0	1592.3	1584.8	1573.5	1556.6	1547.2	1524.7	1498.3	1483.3	1462.6
35°	1569.8	1567.9	1562.3	1552.9	1537.8	1524.7	1509.6	1488.9	1458.9	1440.1	1417.5
37.5°	1539.7	1537.8	1534.1	1520.9	1505.9	1490.8	1472.0	1451.3	1423.1	1398.7	1376.1
40°	1509.6	1507.7	1500.2	1490.8	1472.0	1453.2	1434.4	1413.7	1383.7	1355.5	1331.0
42.5°	1477.7	1475.8	1466.4	1455.1	1434.4	1415.6	1393.1	1370.5	1340.4	1306.6	1282.1
45°	1445.7	1441.9	1432.5	1419.4	1396.8	1376.1	1353.6	1327.3	1297.2	1265.2	1233.3
47.5°	1411.9	1406.2	1396.8	1378.0	1359.2	1336.7	1310.3	1282.1	1252.1	1216.3	1182.5
50°	1374.3	1370.5	1359.2	1342.3	1319.7	1297.2	1267.1	1238.9	1203.2	1169.3	1128.0
52.5°	1338.5	1331.0	1321.6	1302.8	1280.3	1255.8	1223.9	1190.0	1154.3	1122.3	1079.1
55°	1300.9	1297.2	1284.0	1269.0	1240.8	1212.6	1182.5	1146.8	1107.3	1069.7	1028.3
57.5°	1265.2	1257.7	1246.4	1225.7	1201.3	1173.1	1141.1	1103.5	1060.3	1020.8	975.7
60°	1229.5	1218.2	1205.1	1186.3	1159.9	1129.9	1096.0	1056.5	1013.3	970.1	923.1
62.5°	1190.0	1180.6	1165.6	1146.8	1120.5	1088.5	1052.8	1011.4	970.1	924.9	874.2
65°	1150.5	1141.1	1126.1	1107.3	1081.0	1045.3	1007.7	966.3	919.3	876.1	821.5
67.5°	1111.1	1101.7	1084.7	1064.1	1037.7	1003.9	964.4	921.2	874.2	827.2	770.8
70°	1071.6	1060.3	1045.3	1022.7	996.4	960.7	921.2	876.1	829.1	778.3	721.9
72.5°	1032.1	1022.7	1003.9	983.2	955.0	919.3	879.8	834.7	785.8	733.2	676.8
75°	992.6	981.3	968.2	943.7	913.7	879.8	838.5	793.3	740.7	689.9	631.7
77.5°	953.1	943.7	926.8	902.4	874.2	838.5	797.1	752.0	699.3	646.7	584.7
80°	913.7	902.4	889.2	866.7	834.7	799.0	755.7	710.6	658.0	603.5	541.4
82.5°	874.2	862.9	847.9	825.3	795.2	759.5	718.1	669.3	616.6	560.2	502.0
85°	834.7	825.3	808.4	785.8	753.9	718.1	676.8	633.5	577.2	520.8	462.5
87.5°	795.2	785.8	768.9	746.3	716.3	680.5	639.2	594.1	539.6	486.9	423.0
90°	757.6	750.1	733.2	710.6	680.5	644.8	607.2	558.4	505.7	453.1	392.9
92.5°	723.8	716.3	701.2	678.7	652.3	612.9	575.3	528.3	475.6	421.1	362.8
95°	693.7	684.3	669.3	648.6	616.6	582.8	545.2	498.2	447.4	392.9	336.5
97.5°	659.9	650.5	635.4	612.9	586.6	550.8	513.2	468.1	417.4	366.6	310.2
100°	626.0	616.6	599.7	580.9	554.6	518.9	483.2	438.0	391.0	342.2	287.6
102.5°	592.2	582.8	567.8	549.0	522.6	490.7	455.0	411.7	364.7	315.8	265.1
105°	560.2	550.8	535.8	517.0	492.6	460.6	423.0	385.4	340.3	293.3	244.4
107.5°	528.3	518.9	505.7	486.9	462.5	432.4	396.7	357.2	315.8	270.7	223.7
110°	496.3	488.8	473.8	456.8	432.4	402.3	370.4	332.8	291.4	250.0	204.9





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	466.2	458.7	443.7	424.9	404.2	376.0	344.0	308.3	268.8	229.4	186.1
115°	436.2	426.8	413.6	396.7	376.0	349.7	319.6	287.6	248.2	210.6	171.1
117.5°	406.1	398.6	385.4	368.5	349.7	323.4	295.2	265.1	227.5	191.8	156.0
120°	376.0	370.4	357.2	342.2	323.4	298.9	272.6	242.5	208.7	174.8	141.0
122.5°	347.8	342.2	329.0	315.8	297.0	274.5	250.0	221.8	191.8	159.8	129.7
125°	321.5	314.0	302.7	289.5	272.6	251.9	227.5	201.2	173.0	144.8	116.6
127.5°	293.3	287.6	280.1	265.1	248.2	229.4	206.8	184.2	157.9	131.6	105.3
130°	270.7	263.2	253.8	242.5	227.5	208.7	188.0	165.4	142.9	118.4	92.1
132.5°	244.4	236.9	229.4	218.1	204.9	188.0	169.2	148.5	127.8	105.3	82.7
135°	220.0	214.3	206.8	195.5	182.4	169.2	150.4	131.6	112.8	92.1	73.3
137.5°	197.4	191.8	184.2	176.7	163.6	150.4	133.5	116.6	99.6	80.8	63.9
140°	174.8	171.1	163.6	156.0	144.8	131.6	116.6	101.5	86.5	69.6	54.5
142.5°	152.3	148.5	142.9	135.4	126.0	114.7	101.5	88.4	73.3	60.2	47.0
145°	131.6	129.7	124.1	116.6	109.0	97.8	86.5	75.2	62.0	50.8	37.6
147.5°	110.9	109.0	105.3	99.6	92.1	82.7	73.3	62.0	52.6	41.4	30.1
150°	92.1	90.2	88.4	80.8	77.1	67.7	60.2	50.8	43.2	32.0	24.4
152.5°	75.2	75.2	71.4	65.8	62.0	54.5	48.9	41.4	33.8	26.3	18.8
155°	60.2	58.3	56.4	52.6	48.9	43.2	37.6	32.0	26.3	18.8	13.2
157.5°	47.0	45.1	43.2	39.5	35.7	33.8	28.2	22.6	16.9	13.2	9.4
160°	33.8	32.0	30.1	28.2	26.3	22.6	18.8	15.0	11.3	7.5	5.6
162.5°	22.6	20.7	20.7	18.8	16.9	13.2	11.3	9.4	7.5	5.6	3.8
165°	11.3	11.3	9.4	9.4	7.5	5.6	5.6	5.6	3.8	3.8	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1772.8	1772.8	1780.3	1778.5	1772.8	1784.1	1797.3
5°	1767.2	1767.2	1772.8	1772.8	1767.2	1778.5	1789.7
7.5°	1757.8	1755.9	1761.5	1761.5	1754.0	1763.4	1776.6
10°	1740.9	1739.0	1744.6	1744.6	1737.1	1746.5	1757.8
12.5°	1722.1	1718.3	1723.9	1722.1	1714.5	1723.9	1735.2
15°	1697.6	1695.7	1699.5	1695.7	1688.2	1697.6	1708.9
17.5°	1673.2	1667.5	1669.4	1669.4	1656.3	1665.7	1675.1
20°	1641.2	1633.7	1635.6	1633.7	1624.3	1629.9	1641.2
22.5°	1609.3	1598.0	1598.0	1596.1	1584.8	1592.3	1601.7
25°	1569.8	1556.6	1556.6	1554.7	1541.6	1547.2	1556.6
27.5°	1530.3	1517.1	1511.5	1509.6	1496.5	1496.5	1509.6
30°	1488.9	1470.1	1466.4	1460.7	1447.6	1447.6	1458.9
32.5°	1449.5	1423.1	1415.6	1408.1	1394.9	1393.1	1406.2
35°	1396.8	1376.1	1363.0	1355.5	1340.4	1336.7	1347.9
37.5°	1353.6	1327.3	1308.5	1299.1	1284.0	1278.4	1293.4
40°	1306.6	1278.4	1253.9	1248.3	1225.7	1218.2	1231.4
42.5°	1253.9	1223.9	1199.4	1188.1	1171.2	1163.7	1165.6
45°	1201.3	1169.3	1143.0	1128.0	1111.1	1097.9	1105.4
47.5°	1146.8	1118.6	1086.6	1064.1	1043.4	1034.0	1037.7
50°	1092.3	1058.4	1028.3	1003.9	979.5	968.2	975.7
52.5°	1037.7	1002.0	968.2	941.9	913.7	902.4	904.3
55°	985.1	947.5	908.0	879.8	853.5	836.6	832.8
57.5°	932.5	891.1	849.7	817.8	783.9	768.9	763.3
60°	876.1	832.8	789.6	752.0	716.3	699.3	691.8
62.5°	823.4	776.4	727.5	688.1	652.3	629.8	624.1
65°	772.7	718.1	669.3	624.1	584.7	560.2	552.7
67.5°	718.1	661.7	609.1	560.2	522.6	490.7	486.9
70°	667.4	607.2	549.0	498.2	456.8	424.9	409.8
72.5°	616.6	554.6	494.4	439.9	387.3	357.2	345.9
75°	567.8	503.8	439.9	383.5	325.2	289.5	278.2
77.5°	522.6	456.8	389.2	327.1	272.6	227.5	212.4
80°	479.4	411.7	340.3	276.4	218.1	169.2	152.3
82.5°	434.3	370.4	297.0	229.4	169.2	118.4	97.8
85°	394.8	330.9	257.6	189.9	129.7	75.2	52.6
87.5°	362.8	293.3	227.5	159.8	97.8	43.2	15.0
90°	330.9	263.2	197.4	131.6	73.3	24.4	1.9
92.5°	302.7	238.8	173.0	112.8	56.4	16.9	1.9
95°	276.4	214.3	152.3	94.0	45.1	11.3	1.9
97.5°	251.9	193.6	135.4	80.8	37.6	9.4	1.9
100°	231.2	174.8	120.3	71.4	32.0	7.5	1.9
102.5°	210.6	157.9	107.2	62.0	28.2	5.6	1.9
105°	193.6	142.9	95.9	56.4	24.4	5.6	1.9
107.5°	176.7	129.7	86.5	48.9	20.7	3.8	1.9
110°	159.8	118.4	77.1	43.2	18.8	3.8	1.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	146.6	107.2	69.6	39.5	15.0	3.8	1.9
115°	133.5	95.9	62.0	33.8	13.2	1.9	1.9
117.5°	120.3	86.5	54.5	30.1	11.3	1.9	1.9
120°	109.0	77.1	48.9	26.3	9.4	1.9	1.9
122.5°	97.8	69.6	43.2	22.6	7.5	1.9	1.9
125°	88.4	62.0	37.6	18.8	5.6	1.9	1.9
127.5°	79.0	54.5	33.8	16.9	5.6	1.9	1.9
130°	69.6	48.9	28.2	13.2	3.8	1.9	1.9
132.5°	62.0	41.4	24.4	11.3	3.8	1.9	1.9
135°	54.5	35.7	20.7	7.5	3.8	1.9	1.9
137.5°	47.0	30.1	16.9	5.6	1.9	1.9	1.9
140°	39.5	26.3	13.2	5.6	1.9	1.9	1.9
142.5°	33.8	20.7	9.4	3.8	1.9	1.9	1.9
145°	26.3	16.9	7.5	3.8	1.9	1.9	1.9
147.5°	20.7	13.2	5.6	3.8	1.9	1.9	1.9
150°	15.0	9.4	5.6	1.9	1.9	1.9	1.9
152.5°	11.3	7.5	3.8	1.9	1.9	1.9	1.9
155°	7.5	5.6	3.8	1.9	1.9	1.9	1.9
157.5°	5.6	3.8	1.9	1.9	1.9	1.9	1.9
160°	3.8	1.9	1.9	1.9	1.9	1.9	1.9
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)