

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-LD5-200HL-LC-UNV-L935-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 (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

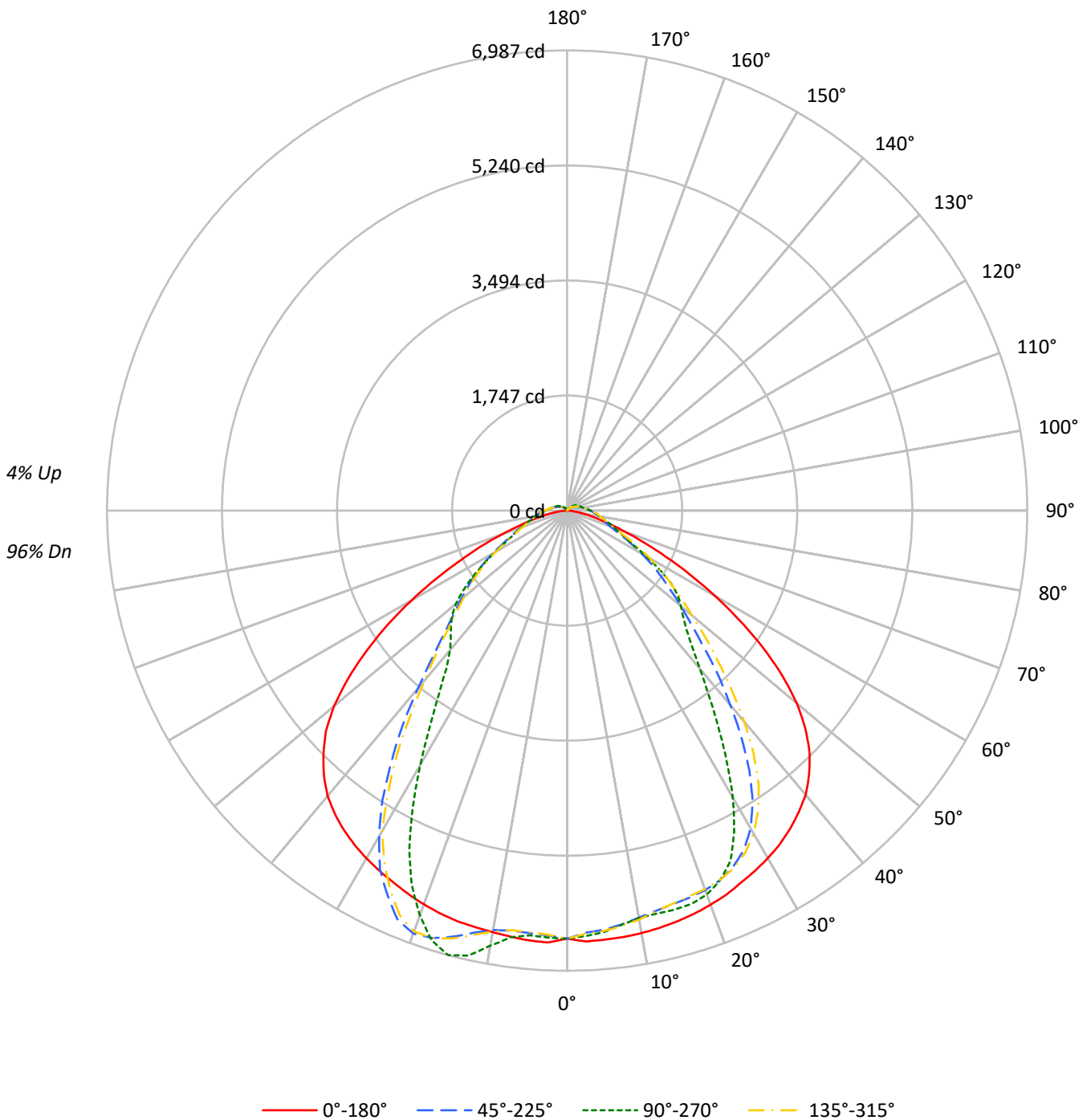
Lumens per Lamp: N/A
Luminaire Lumens: 15495.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 158
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-LD5-200HL-LC-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26262	26262	26262	26262
5°	26490	25221	26544	25419
10°	26649	24172	26594	25813
15°	26894	23849	26880	26554
20°	27230	23471	27201	24741
25°	27609	22266	27594	21514
30°	28176	19298	28191	17096
35°	28781	15605	28863	13205
40°	29330	12564	29452	11069
45°	29297	10642	29448	10364
50°	28114	9798	28508	9580
55°	25031	8807	25656	8006
60°	20392	6741	21476	6182
65°	15249	5157	16429	4891
70°	10459	4452	11790	4257
75°	6933	4016	8072	3799
80°	4593	3745	5382	3445
85°	2510	3736	3300	3412



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.4	4.0
10°-20°	1837.0	11.9
20°-30°	2792.7	18.0
30°-40°	2995.9	19.3
40°-50°	2600.2	16.8
50°-60°	1927.0	12.4
60°-70°	1104.1	7.1
70°-80°	611.4	3.9
80°-90°	372.3	2.4
90°-100°	242.1	1.6
100°-110°	162.1	1.0
110°-120°	109.5	0.7
120°-130°	67.2	0.4
130°-140°	35.3	0.2
140°-150°	16.1	0.1
150°-160°	4.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5247.1	33.9
0°-40°	8243.0	53.2
0°-60°	12770.1	82.4
0°-90°	14857.9	95.9
90°-120°	513.8	3.3
90°-150°	632.4	4.1
90°-180°	637.0	4.1
0°-180°	15495.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6500	6500	6500	6500	6500	
5°	6540	6422	6554	6473	6540	623
15°	6456	6275	6453	6987	6456	1827
25°	6238	5869	6234	5670	6238	2884
35°	5899	3995	5916	3381	5899	3692
45°	5207	2562	5234	2494	5207	3987
55°	3633	1920	3723	1746	3633	3221
65°	1648	974	1776	923	1648	1662
75°	470	618	547	584	470	537
85°	64	426	84	389	64	84
90°	0	356	7	329	0	3
95°	3	292	0	279	3	2
105°	3	218	3	208	3	4
115°	3	178	3	161	3	3
125°	3	134	3	111	3	3
135°	3	84	3	70	3	3
145°	3	50	7	40	3	2
155°	7	24	7	20	7	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8
2.5°	6546.8	6530.0	6523.3	6509.8	6519.9	6560.2	6533.3	6489.7	6493.0	6415.8	6456.1
5°	6540.0	6519.9	6509.8	6496.4	6503.1	6540.0	6513.2	6469.5	6466.2	6389.0	6425.9
7.5°	6530.0	6509.8	6493.0	6483.0	6486.3	6516.5	6483.0	6432.6	6422.5	6338.6	6372.2
10°	6513.2	6499.8	6476.3	6459.5	6456.1	6489.7	6436.0	6385.6	6362.1	6274.8	6308.4
12.5°	6489.7	6469.5	6446.0	6415.8	6412.5	6432.6	6389.0	6318.5	6295.0	6224.5	6261.4
15°	6456.1	6432.6	6405.8	6372.2	6355.4	6368.8	6315.1	6251.3	6248.0	6187.5	6237.9
17.5°	6419.2	6385.6	6355.4	6308.4	6284.9	6295.0	6251.3	6194.2	6201.0	6164.0	6221.1
20°	6368.8	6331.9	6284.9	6237.9	6204.3	6221.1	6190.9	6147.2	6157.3	6130.5	6180.8
22.5°	6311.7	6261.4	6204.3	6150.6	6123.7	6147.2	6123.7	6086.8	6090.2	6073.4	6103.6
25°	6237.9	6180.8	6113.7	6046.5	6033.1	6049.9	6036.5	6006.2	5992.8	5965.9	5979.4
27.5°	6170.7	6107.0	6023.0	5952.5	5929.0	5962.6	5932.4	5882.0	5845.1	5808.2	5781.3
30°	6093.5	6016.3	5922.3	5841.7	5821.6	5835.0	5791.4	5714.1	5616.8	5569.8	5495.9
32.5°	6009.6	5908.9	5791.4	5700.7	5687.3	5677.2	5596.6	5485.9	5334.8	5240.8	5126.6
35°	5898.8	5788.0	5647.0	5536.2	5516.1	5459.0	5328.1	5180.3	4985.6	4824.5	4629.7
37.5°	5774.6	5643.6	5495.9	5348.2	5291.1	5177.0	4992.3	4837.9	4542.4	4347.7	4112.7
40°	5633.6	5475.8	5294.5	5116.5	5022.5	4837.9	4626.4	4398.1	4112.7	3850.8	3652.8
42.5°	5438.8	5271.0	5056.1	4858.0	4696.9	4451.8	4203.4	3881.1	3619.2	3397.6	3196.2
45°	5207.2	5005.8	4757.3	4518.9	4314.1	4022.1	3730.0	3407.7	3189.4	2930.9	2793.3
47.5°	4908.4	4690.2	4424.9	4159.7	3891.1	3568.8	3263.3	2954.4	2736.2	2551.6	2450.8
50°	4555.9	4354.4	4062.3	3746.8	3451.3	3115.6	2810.1	2578.4	2366.9	2252.8	2175.5
52.5°	4119.4	3931.4	3632.6	3290.2	3004.8	2675.8	2397.1	2209.1	2058.0	1974.1	1947.2
55°	3632.6	3468.1	3172.7	2853.7	2561.6	2259.5	2048.0	1883.5	1786.1	1735.7	1739.1
57.5°	3112.2	2984.7	2706.0	2420.6	2145.3	1917.0	1725.7	1594.7	1520.9	1517.5	1527.6
60°	2591.8	2497.8	2256.1	2011.0	1769.3	1584.7	1443.6	1353.0	1306.0	1309.4	1306.0
62.5°	2095.0	2007.7	1833.1	1631.7	1440.3	1316.1	1188.5	1151.6	1111.3	1107.9	1107.9
65°	1648.4	1581.3	1440.3	1295.9	1151.6	1071.0	1007.2	963.5	933.3	926.6	930.0
67.5°	1238.8	1212.0	1114.6	1017.3	926.6	876.3	822.5	812.5	789.0	789.0	795.7
70°	923.3	903.1	849.4	792.3	755.4	721.8	695.0	695.0	691.6	688.2	705.0
72.5°	668.1	671.5	654.7	611.0	607.7	601.0	594.2	604.3	607.7	617.7	637.9
75°	470.0	480.1	480.1	473.4	486.8	503.6	513.7	530.5	550.6	564.0	587.5
77.5°	332.4	332.4	349.2	369.3	396.2	426.4	453.2	476.7	503.6	520.4	540.5
80°	214.9	224.9	251.8	288.7	325.7	365.9	402.9	433.1	460.0	486.8	500.2
82.5°	127.6	144.4	177.9	224.9	271.9	322.3	359.2	396.2	426.4	453.2	463.3
85°	63.8	87.3	127.6	177.9	228.3	282.0	329.0	362.6	396.2	419.7	433.1
87.5°	20.1	47.0	90.6	137.6	191.4	245.1	295.4	332.4	362.6	382.7	396.2
90°	0.0	23.5	63.8	114.1	164.5	218.2	265.2	305.5	335.7	352.5	362.6
92.5°	0.0	13.4	50.4	94.0	141.0	194.7	241.7	278.7	305.5	322.3	329.0
95°	3.4	10.1	36.9	77.2	124.2	174.6	218.2	251.8	278.7	295.4	298.8
97.5°	3.4	6.7	30.2	63.8	107.4	154.4	198.1	231.7	251.8	268.6	271.9
100°	3.4	6.7	23.5	57.1	94.0	137.6	177.9	208.2	231.7	245.1	248.4
102.5°	3.4	3.4	20.1	47.0	83.9	120.9	157.8	188.0	208.2	221.6	228.3
105°	3.4	3.4	16.8	40.3	73.9	107.4	141.0	171.2	188.0	201.4	208.2
107.5°	3.4	3.4	13.4	33.6	63.8	94.0	127.6	151.1	171.2	184.7	191.4
110°	3.4	3.4	10.1	30.2	53.7	83.9	110.8	134.3	154.4	167.9	174.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	3.4	3.4	10.1	26.9	47.0	73.9	97.4	120.9	137.6	151.1	161.2
115°	3.4	3.4	10.1	23.5	43.6	63.8	87.3	107.4	124.2	137.6	147.7
117.5°	3.4	3.4	10.1	20.1	36.9	57.1	77.2	97.4	110.8	124.2	134.3
120°	3.4	3.4	6.7	16.8	33.6	50.4	67.1	83.9	100.7	114.1	124.2
122.5°	3.4	3.4	6.7	16.8	26.9	43.6	60.4	73.9	90.6	100.7	110.8
125°	3.4	3.4	6.7	13.4	23.5	40.3	53.7	67.1	77.2	90.6	100.7
127.5°	3.4	3.4	6.7	13.4	20.1	33.6	47.0	60.4	70.5	80.6	87.3
130°	3.4	3.4	6.7	10.1	16.8	26.9	40.3	50.4	63.8	70.5	77.2
132.5°	3.4	3.4	3.4	10.1	13.4	20.1	30.2	43.6	53.7	63.8	67.1
135°	3.4	3.4	3.4	6.7	13.4	16.8	23.5	33.6	43.6	53.7	60.4
137.5°	3.4	3.4	3.4	6.7	10.1	16.8	20.1	26.9	36.9	43.6	53.7
140°	3.4	3.4	3.4	6.7	10.1	13.4	16.8	23.5	30.2	36.9	43.6
142.5°	3.4	3.4	3.4	6.7	6.7	10.1	13.4	20.1	23.5	30.2	36.9
145°	3.4	3.4	3.4	6.7	6.7	10.1	13.4	16.8	20.1	23.5	30.2
147.5°	3.4	3.4	3.4	6.7	6.7	6.7	10.1	13.4	16.8	20.1	23.5
150°	6.7	6.7	6.7	6.7	6.7	6.7	10.1	10.1	13.4	16.8	20.1
152.5°	6.7	6.7	6.7	6.7	6.7	6.7	10.1	10.1	10.1	13.4	16.8
155°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	10.1	10.1	13.4	13.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8
2.5°	6442.7	6449.4	6489.7	6486.3	6479.6	6472.9	6472.9	6466.2	6472.9	6489.7	6483.0
5°	6409.1	6419.2	6449.4	6446.0	6439.3	6436.0	6432.6	6422.5	6429.3	6452.8	6446.0
7.5°	6348.7	6358.8	6385.6	6372.2	6362.1	6368.8	6352.0	6342.0	6355.4	6378.9	6375.5
10°	6284.9	6291.6	6325.2	6318.5	6301.7	6305.0	6288.2	6281.5	6298.3	6311.7	6315.1
12.5°	6241.2	6264.7	6295.0	6291.6	6288.2	6291.6	6274.8	6268.1	6278.2	6291.6	6288.2
15°	6231.2	6261.4	6295.0	6295.0	6298.3	6301.7	6284.9	6274.8	6284.9	6295.0	6291.6
17.5°	6221.1	6258.0	6288.2	6284.9	6288.2	6295.0	6268.1	6261.4	6274.8	6288.2	6281.5
20°	6187.5	6221.1	6241.2	6234.5	6234.5	6237.9	6204.3	6204.3	6224.5	6234.5	6237.9
22.5°	6093.5	6133.8	6133.8	6117.0	6117.0	6103.6	6093.5	6073.4	6096.9	6113.7	6127.1
25°	5952.5	5969.3	5949.2	5912.2	5892.1	5875.3	5828.3	5868.6	5868.6	5918.9	5935.7
27.5°	5754.4	5717.5	5660.4	5583.2	5566.4	5512.7	5482.5	5492.6	5509.4	5579.9	5633.6
30°	5428.8	5318.0	5220.6	5187.0	5113.2	5059.5	5005.8	5032.6	5062.8	5103.1	5213.9
32.5°	4999.0	4891.6	4733.8	4676.7	4599.5	4532.4	4468.6	4508.9	4562.6	4589.4	4710.3
35°	4505.5	4377.9	4233.6	4136.2	4055.6	4018.7	3938.1	3995.2	4052.3	4072.4	4176.5
37.5°	3981.8	3850.8	3723.3	3639.3	3562.1	3538.6	3484.9	3525.2	3568.8	3599.0	3686.3
40°	3484.9	3364.0	3266.7	3209.6	3155.9	3135.7	3115.6	3132.4	3165.9	3189.4	3256.6
42.5°	3058.5	2961.2	2894.0	2860.4	2823.5	2796.6	2800.0	2806.7	2823.5	2873.9	2904.1
45°	2685.9	2628.8	2585.1	2578.4	2554.9	2551.6	2548.2	2561.6	2571.7	2601.9	2625.4
47.5°	2387.1	2363.5	2353.5	2366.9	2377.0	2363.5	2370.3	2387.1	2407.2	2407.2	2403.8
50°	2152.0	2158.8	2172.2	2202.4	2222.5	2229.3	2236.0	2256.1	2259.5	2266.2	2256.1
52.5°	1960.7	1967.4	2004.3	2051.3	2074.8	2084.9	2098.3	2118.5	2118.5	2125.2	2111.8
55°	1765.9	1776.0	1812.9	1860.0	1880.1	1893.5	1907.0	1920.4	1930.5	1943.9	1933.8
57.5°	1551.1	1581.3	1604.8	1618.2	1631.7	1641.7	1651.8	1655.2	1675.3	1678.7	1695.4
60°	1322.8	1329.5	1353.0	1349.6	1339.6	1366.4	1353.0	1376.5	1400.0	1430.2	1433.6
62.5°	1104.6	1107.9	1124.7	1118.0	1131.4	1128.1	1138.1	1138.1	1154.9	1168.3	1185.1
65°	933.3	936.7	950.1	950.1	946.8	956.8	966.9	973.6	973.6	983.7	997.1
67.5°	805.8	815.8	829.3	836.0	842.7	842.7	852.8	856.1	862.8	866.2	872.9
70°	718.5	731.9	745.3	752.0	755.4	762.1	765.5	765.5	772.2	775.5	782.3
72.5°	654.7	668.1	678.2	678.2	684.9	688.2	688.2	691.6	695.0	701.7	708.4
75°	601.0	611.0	617.7	614.4	614.4	614.4	617.7	617.7	624.5	631.2	637.9
77.5°	550.6	560.7	560.7	554.0	554.0	554.0	554.0	557.3	560.7	567.4	574.1
80°	513.7	513.7	510.3	510.3	503.6	500.2	500.2	503.6	503.6	510.3	520.4
82.5°	473.4	473.4	470.0	466.7	463.3	460.0	460.0	463.3	466.7	470.0	476.7
85°	436.5	436.5	429.7	429.7	426.4	426.4	426.4	426.4	429.7	433.1	439.8
87.5°	399.5	396.2	392.8	389.4	389.4	389.4	389.4	389.4	392.8	399.5	402.9
90°	362.6	359.2	355.9	355.9	352.5	352.5	355.9	355.9	359.2	362.6	365.9
92.5°	329.0	325.7	322.3	322.3	318.9	318.9	322.3	318.9	325.7	325.7	329.0
95°	298.8	295.4	292.1	292.1	292.1	292.1	292.1	292.1	295.4	295.4	298.8
97.5°	271.9	268.6	265.2	265.2	268.6	265.2	268.6	268.6	268.6	271.9	275.3
100°	248.4	245.1	245.1	248.4	245.1	245.1	248.4	248.4	248.4	248.4	251.8
102.5°	228.3	228.3	228.3	228.3	228.3	228.3	231.7	231.7	231.7	231.7	235.0
105°	208.2	211.5	211.5	211.5	214.9	214.9	214.9	218.2	218.2	218.2	218.2
107.5°	194.7	198.1	198.1	201.4	201.4	204.8	204.8	204.8	204.8	208.2	208.2
110°	181.3	184.7	188.0	191.4	191.4	194.7	194.7	194.7	194.7	194.7	194.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	167.9	171.2	174.6	181.3	184.7	184.7	184.7	184.7	188.0	188.0	184.7
115°	154.4	161.2	164.5	171.2	174.6	174.6	177.9	177.9	177.9	177.9	174.6
117.5°	141.0	151.1	154.4	161.2	164.5	164.5	167.9	167.9	167.9	167.9	164.5
120°	130.9	137.6	144.4	147.7	151.1	154.4	154.4	157.8	157.8	157.8	154.4
122.5°	120.9	127.6	134.3	137.6	141.0	144.4	144.4	144.4	144.4	144.4	144.4
125°	107.4	114.1	120.9	124.2	127.6	130.9	130.9	134.3	134.3	134.3	130.9
127.5°	97.4	104.1	107.4	114.1	117.5	117.5	120.9	120.9	120.9	120.9	117.5
130°	83.9	90.6	97.4	100.7	104.1	104.1	107.4	107.4	107.4	107.4	107.4
132.5°	73.9	80.6	83.9	90.6	90.6	94.0	94.0	97.4	97.4	97.4	94.0
135°	67.1	70.5	73.9	80.6	80.6	83.9	83.9	83.9	83.9	83.9	83.9
137.5°	60.4	63.8	67.1	70.5	70.5	73.9	73.9	73.9	73.9	77.2	73.9
140°	50.4	57.1	60.4	60.4	63.8	63.8	63.8	67.1	67.1	67.1	63.8
142.5°	43.6	47.0	50.4	53.7	57.1	57.1	57.1	57.1	60.4	57.1	57.1
145°	33.6	40.3	43.6	47.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4
147.5°	26.9	30.2	36.9	40.3	40.3	43.6	43.6	43.6	43.6	43.6	43.6
150°	23.5	23.5	30.2	33.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9
152.5°	16.8	20.1	23.5	26.9	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155°	16.8	16.8	20.1	20.1	23.5	23.5	23.5	23.5	26.9	23.5	23.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8
2.5°	6472.9	6469.5	6483.0	6469.5	6402.4	6429.3	6419.2	6456.1	6459.5	6469.5	6503.1
5°	6439.3	6439.3	6456.1	6442.7	6378.9	6405.8	6402.4	6439.3	6446.0	6452.8	6489.7
7.5°	6372.2	6375.5	6399.0	6389.0	6321.8	6362.1	6358.8	6402.4	6415.8	6429.3	6462.8
10°	6308.4	6305.0	6331.9	6321.8	6258.0	6305.0	6301.7	6345.3	6365.5	6389.0	6429.3
12.5°	6274.8	6264.7	6274.8	6264.7	6194.2	6231.2	6234.5	6284.9	6308.4	6338.6	6385.6
15°	6274.8	6258.0	6258.0	6237.9	6157.3	6180.8	6184.2	6217.7	6248.0	6278.2	6335.3
17.5°	6268.1	6251.3	6248.0	6231.2	6143.9	6143.9	6140.5	6164.0	6180.8	6211.0	6271.5
20°	6231.2	6224.5	6221.1	6211.0	6130.5	6117.0	6110.3	6110.3	6120.4	6130.5	6190.9
22.5°	6133.8	6140.5	6147.2	6154.0	6090.2	6066.7	6070.0	6063.3	6053.2	6053.2	6103.6
25°	5952.5	5986.1	6012.9	6043.2	6006.2	5989.4	6009.6	5999.5	5982.7	5969.3	6012.9
27.5°	5663.8	5734.3	5791.4	5865.2	5868.6	5855.2	5908.9	5902.2	5898.8	5878.7	5912.2
30°	5264.3	5375.1	5452.3	5559.7	5650.4	5663.8	5754.4	5767.9	5781.3	5771.2	5804.8
32.5°	4780.8	4931.9	5062.8	5230.7	5318.0	5395.2	5522.8	5576.5	5630.2	5647.0	5683.9
35°	4253.7	4424.9	4579.4	4764.0	4901.7	5069.5	5224.0	5304.6	5425.4	5472.4	5526.1
37.5°	3753.5	3914.6	4065.7	4250.4	4471.9	4646.5	4837.9	5019.2	5183.7	5250.8	5331.4
40°	3310.3	3441.2	3585.6	3746.8	3948.2	4176.5	4384.7	4636.5	4831.2	4965.5	5083.0
42.5°	2974.6	3038.4	3162.6	3307.0	3468.1	3699.8	3911.3	4193.3	4428.3	4619.7	4814.4
45°	2675.8	2706.0	2796.6	2873.9	3038.4	3243.2	3468.1	3743.4	3988.5	4233.6	4468.6
47.5°	2420.6	2457.6	2501.2	2548.2	2665.7	2836.9	3031.7	3280.1	3525.2	3810.6	4079.1
50°	2249.4	2259.5	2266.2	2286.3	2356.8	2474.3	2632.1	2843.6	3078.7	3384.2	3669.5
52.5°	2098.3	2098.3	2078.2	2068.1	2095.0	2168.8	2259.5	2410.6	2652.3	2934.3	3236.5
55°	1937.2	1907.0	1900.2	1866.7	1873.4	1907.0	1950.6	2068.1	2266.2	2507.9	2800.0
57.5°	1712.2	1698.8	1698.8	1685.4	1658.5	1675.3	1685.4	1769.3	1910.3	2118.5	2373.6
60°	1453.7	1447.0	1463.8	1467.1	1443.6	1453.7	1450.4	1500.7	1601.4	1769.3	1980.8
62.5°	1195.2	1225.4	1228.8	1242.2	1228.8	1225.4	1242.2	1285.9	1336.2	1463.8	1628.3
65°	1003.8	1020.6	1024.0	1040.8	1034.1	1034.1	1047.5	1081.1	1111.3	1198.6	1326.1
67.5°	879.6	872.9	876.3	886.3	876.3	872.9	883.0	903.1	926.6	980.3	1071.0
70°	782.3	775.5	775.5	775.5	762.1	752.0	755.4	762.1	772.2	802.4	859.5
72.5°	708.4	708.4	698.3	688.2	678.2	671.5	664.7	658.0	654.7	664.7	695.0
75°	641.2	644.6	641.2	631.2	617.7	604.3	590.9	577.5	560.7	554.0	557.3
77.5°	580.8	584.2	587.5	584.2	570.7	554.0	533.8	513.7	490.2	466.7	453.2
80°	527.1	533.8	537.2	533.8	523.7	510.3	486.8	463.3	429.7	399.5	365.9
82.5°	480.1	490.2	493.5	493.5	486.8	473.4	446.5	419.7	382.7	342.4	298.8
85°	443.2	449.9	456.6	456.6	453.2	439.8	412.9	382.7	345.8	298.8	251.8
87.5°	406.2	409.6	416.3	423.0	416.3	402.9	379.4	345.8	308.9	261.9	208.2
90°	369.3	372.7	379.4	386.1	382.7	369.3	349.2	318.9	278.7	228.3	174.6
92.5°	332.4	339.1	342.4	345.8	349.2	339.1	322.3	292.1	251.8	201.4	151.1
95°	305.5	305.5	312.2	315.6	318.9	308.9	295.4	265.2	228.3	181.3	130.9
97.5°	278.7	278.7	285.4	285.4	288.7	282.0	268.6	241.7	204.8	161.2	110.8
100°	251.8	255.2	258.5	261.9	261.9	258.5	245.1	218.2	184.7	144.4	97.4
102.5°	235.0	235.0	238.4	238.4	241.7	235.0	221.6	198.1	164.5	127.6	83.9
105°	218.2	218.2	221.6	221.6	218.2	211.5	198.1	177.9	147.7	110.8	73.9
107.5°	204.8	204.8	204.8	204.8	201.4	194.7	181.3	157.8	130.9	100.7	67.1
110°	194.7	191.4	191.4	188.0	184.7	174.6	161.2	141.0	117.5	87.3	57.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	184.7	181.3	177.9	174.6	167.9	157.8	144.4	127.6	104.1	77.2	50.4
115°	174.6	171.2	167.9	161.2	154.4	144.4	130.9	114.1	90.6	67.1	43.6
117.5°	164.5	161.2	154.4	147.7	141.0	130.9	117.5	100.7	80.6	60.4	40.3
120°	151.1	147.7	144.4	137.6	130.9	117.5	104.1	90.6	70.5	53.7	33.6
122.5°	141.0	137.6	130.9	127.6	117.5	107.4	94.0	80.6	63.8	47.0	30.2
125°	127.6	124.2	120.9	114.1	107.4	94.0	83.9	70.5	57.1	40.3	23.5
127.5°	117.5	114.1	107.4	100.7	94.0	83.9	73.9	63.8	50.4	33.6	23.5
130°	104.1	100.7	97.4	90.6	83.9	73.9	67.1	53.7	43.6	30.2	20.1
132.5°	90.6	90.6	87.3	80.6	73.9	67.1	57.1	47.0	36.9	26.9	16.8
135°	83.9	80.6	77.2	70.5	67.1	57.1	50.4	40.3	30.2	23.5	13.4
137.5°	73.9	70.5	67.1	63.8	57.1	50.4	43.6	33.6	26.9	20.1	13.4
140°	63.8	60.4	60.4	53.7	50.4	43.6	36.9	30.2	23.5	16.8	10.1
142.5°	57.1	53.7	50.4	47.0	43.6	36.9	30.2	23.5	20.1	13.4	10.1
145°	50.4	47.0	43.6	40.3	36.9	30.2	26.9	20.1	16.8	13.4	10.1
147.5°	40.3	40.3	36.9	33.6	30.2	26.9	23.5	20.1	13.4	10.1	6.7
150°	33.6	33.6	30.2	26.9	26.9	23.5	20.1	16.8	13.4	10.1	6.7
152.5°	30.2	26.9	26.9	23.5	23.5	20.1	16.8	13.4	10.1	10.1	6.7
155°	23.5	23.5	23.5	20.1	20.1	16.8	13.4	13.4	10.1	6.7	6.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8
2.5°	6509.8	6469.5	6503.1	6563.5	6556.8	6550.1	6543.4	6556.8	6600.5	6577.0	6540.0
5°	6499.8	6459.5	6496.4	6553.5	6550.1	6540.0	6533.3	6546.8	6590.4	6566.9	6526.6
7.5°	6479.6	6442.7	6469.5	6526.6	6526.6	6519.9	6513.2	6526.6	6566.9	6546.8	6506.5
10°	6446.0	6419.2	6446.0	6499.8	6503.1	6489.7	6483.0	6499.8	6540.0	6530.0	6496.4
12.5°	6419.2	6392.3	6422.5	6476.3	6479.6	6466.2	6456.1	6476.3	6530.0	6536.7	6526.6
15°	6382.3	6358.8	6395.7	6452.8	6452.8	6442.7	6442.7	6469.5	6543.4	6573.6	6590.4
17.5°	6328.5	6311.7	6355.4	6412.5	6415.8	6409.1	6412.5	6466.2	6563.5	6637.4	6684.4
20°	6261.4	6254.7	6301.7	6362.1	6372.2	6375.5	6392.3	6472.9	6607.2	6707.9	6754.9
22.5°	6180.8	6184.2	6237.9	6301.7	6315.1	6325.2	6358.8	6472.9	6640.8	6748.2	6768.3
25°	6090.2	6100.2	6157.3	6234.5	6251.3	6271.5	6328.5	6476.3	6650.8	6721.3	6687.8
27.5°	5992.8	6012.9	6086.8	6167.4	6187.5	6221.1	6295.0	6456.1	6603.8	6607.2	6483.0
30°	5892.1	5915.6	6002.9	6096.9	6130.5	6164.0	6254.7	6409.1	6489.7	6382.3	6164.0
32.5°	5777.9	5811.5	5898.8	6012.9	6053.2	6096.9	6187.5	6318.5	6288.2	6056.6	5744.4
35°	5633.6	5680.6	5781.3	5915.6	5952.5	6009.6	6073.4	6103.6	5969.3	5640.3	5287.8
37.5°	5455.6	5526.1	5643.6	5798.1	5838.4	5875.3	5892.1	5808.2	5539.6	5183.7	4817.7
40°	5250.8	5358.3	5485.9	5657.1	5697.4	5697.4	5636.9	5459.0	5119.9	4653.2	4247.0
42.5°	5002.4	5133.3	5294.5	5465.7	5506.0	5459.0	5314.6	5002.4	4616.3	4095.9	3666.2
45°	4700.2	4874.8	5056.1	5234.1	5254.2	5150.1	4891.6	4495.4	4018.7	3535.3	3125.7
47.5°	4341.0	4569.3	4767.4	4968.8	4942.0	4767.4	4421.6	3971.7	3468.1	3011.5	2682.5
50°	3938.1	4206.7	4428.3	4619.7	4562.6	4320.9	3914.6	3444.6	2944.4	2554.9	2283.0
52.5°	3508.4	3817.3	4038.8	4193.3	4116.1	3827.3	3380.8	2930.9	2521.3	2165.5	1984.2
55°	3061.9	3374.1	3602.4	3723.3	3622.5	3310.3	2870.5	2460.9	2074.8	1843.2	1735.7
57.5°	2628.8	2920.9	3135.7	3233.1	3105.5	2793.3	2387.1	2041.2	1762.6	1567.9	1514.1
60°	2212.5	2450.8	2655.6	2729.5	2591.8	2303.1	1954.0	1678.7	1473.9	1339.6	1312.7
62.5°	1826.4	2021.1	2182.3	2239.3	2105.0	1880.1	1577.9	1373.1	1228.8	1161.6	1128.1
65°	1507.4	1621.6	1786.1	1776.0	1695.4	1487.3	1265.7	1121.3	1027.3	983.7	963.5
67.5°	1185.1	1289.2	1393.3	1406.7	1306.0	1161.6	1017.3	913.2	862.8	839.3	829.3
70°	916.5	993.8	1057.6	1040.8	987.1	896.4	805.8	748.7	728.5	718.5	718.5
72.5°	711.8	752.0	782.3	762.1	728.5	681.5	637.9	614.4	617.7	624.5	631.2
75°	550.6	560.7	567.4	547.2	540.5	510.3	507.0	510.3	530.5	550.6	560.7
77.5°	423.0	409.6	399.5	379.4	382.7	379.4	396.2	423.0	453.2	483.5	510.3
80°	325.7	295.4	271.9	251.8	261.9	278.7	312.2	352.5	392.8	426.4	460.0
82.5°	251.8	208.2	174.6	154.4	174.6	201.4	245.1	295.4	342.4	379.4	416.3
85°	194.7	144.4	104.1	83.9	104.1	144.4	191.4	248.4	298.8	339.1	376.0
87.5°	151.1	104.1	57.1	33.6	57.1	100.7	154.4	208.2	258.5	305.5	342.4
90°	120.9	70.5	26.9	6.7	30.2	70.5	120.9	174.6	224.9	275.3	312.2
92.5°	97.4	50.4	13.4	0.0	16.8	53.7	100.7	151.1	201.4	248.4	285.4
95°	80.6	40.3	10.1	0.0	13.4	40.3	80.6	130.9	177.9	224.9	255.2
97.5°	67.1	30.2	6.7	0.0	6.7	33.6	67.1	110.8	157.8	201.4	231.7
100°	57.1	26.9	6.7	0.0	6.7	26.9	57.1	97.4	137.6	177.9	208.2
102.5°	47.0	20.1	3.4	3.4	3.4	20.1	50.4	83.9	120.9	157.8	188.0
105°	43.6	16.8	3.4	3.4	3.4	16.8	43.6	73.9	107.4	141.0	167.9
107.5°	36.9	13.4	3.4	3.4	3.4	13.4	36.9	63.8	97.4	127.6	151.1
110°	30.2	13.4	3.4	3.4	3.4	13.4	30.2	57.1	83.9	110.8	134.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	26.9	10.1	3.4	3.4	3.4	10.1	26.9	50.4	73.9	100.7	120.9
115°	23.5	10.1	3.4	3.4	3.4	10.1	23.5	43.6	63.8	87.3	107.4
117.5°	20.1	10.1	3.4	3.4	3.4	6.7	20.1	36.9	57.1	77.2	97.4
120°	16.8	6.7	3.4	3.4	3.4	6.7	16.8	33.6	50.4	67.1	83.9
122.5°	16.8	6.7	3.4	3.4	3.4	6.7	13.4	26.9	43.6	57.1	73.9
125°	13.4	6.7	3.4	3.4	3.4	3.4	13.4	23.5	36.9	50.4	63.8
127.5°	13.4	6.7	3.4	3.4	3.4	3.4	10.1	20.1	30.2	43.6	57.1
130°	10.1	6.7	3.4	3.4	3.4	3.4	6.7	16.8	26.9	36.9	47.0
132.5°	10.1	6.7	3.4	3.4	3.4	3.4	6.7	13.4	20.1	30.2	40.3
135°	10.1	3.4	3.4	3.4	3.4	3.4	3.4	10.1	16.8	23.5	30.2
137.5°	6.7	3.4	3.4	3.4	3.4	3.4	3.4	6.7	13.4	16.8	26.9
140°	6.7	3.4	3.4	3.4	3.4	3.4	3.4	6.7	10.1	13.4	20.1
142.5°	6.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.7	10.1	16.8
145°	6.7	3.4	3.4	6.7	6.7	3.4	3.4	6.7	6.7	10.1	13.4
147.5°	6.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.7	6.7	10.1
150°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	10.1
152.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
155°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8
2.5°	6533.3	6456.1	6496.4	6483.0	6496.4	6530.0	6526.6	6516.5	6523.3	6506.5	6489.7
5°	6519.9	6442.7	6483.0	6466.2	6483.0	6516.5	6509.8	6499.8	6509.8	6489.7	6472.9
7.5°	6503.1	6432.6	6479.6	6476.3	6506.5	6550.1	6553.5	6553.5	6577.0	6546.8	6533.3
10°	6503.1	6466.2	6530.0	6553.5	6630.7	6687.8	6694.5	6707.9	6748.2	6741.5	6707.9
12.5°	6573.6	6566.9	6660.9	6718.0	6788.5	6869.1	6912.7	6926.1	6953.0	6932.9	6919.4
15°	6664.3	6697.8	6801.9	6865.7	6942.9	7003.4	7013.4	7020.1	7040.3	7010.1	6986.6
17.5°	6785.1	6805.3	6889.2	6916.1	6966.4	6976.5	6963.1	6929.5	6929.5	6862.3	6842.2
20°	6842.2	6832.1	6865.7	6822.1	6801.9	6741.5	6684.4	6620.6	6617.3	6546.8	6540.0
22.5°	6791.8	6724.7	6654.2	6546.8	6499.8	6412.5	6335.3	6298.3	6274.8	6184.2	6160.7
25°	6613.9	6449.4	6345.3	6217.7	6103.6	6002.9	5929.0	5851.8	5777.9	5704.1	5670.5
27.5°	6305.0	6150.6	5982.7	5804.8	5647.0	5492.6	5368.3	5291.1	5220.6	5123.3	5072.9
30°	5925.7	5710.8	5526.1	5354.9	5096.4	4908.4	4804.3	4649.9	4596.2	4552.5	4458.5
32.5°	5479.1	5220.6	4968.8	4737.2	4471.9	4297.4	4159.7	4045.6	4012.0	3897.8	3871.0
35°	4985.6	4646.5	4361.2	4132.9	3941.5	3730.0	3615.8	3538.6	3471.5	3394.2	3380.8
37.5°	4404.8	4099.3	3777.0	3575.5	3424.5	3243.2	3155.9	3102.2	3071.9	3014.9	3004.8
40°	3820.6	3515.1	3293.5	3092.1	2998.1	2900.7	2836.9	2813.4	2800.0	2779.9	2759.7
42.5°	3290.2	3021.6	2863.8	2729.5	2689.2	2642.2	2625.4	2638.8	2625.4	2618.7	2615.3
45°	2840.3	2635.5	2524.7	2484.4	2474.3	2460.9	2474.3	2497.8	2501.2	2494.5	2494.5
47.5°	2430.7	2333.3	2286.3	2293.0	2309.8	2319.9	2343.4	2373.6	2380.3	2363.5	2370.3
50°	2162.1	2105.0	2095.0	2121.8	2158.8	2172.2	2199.0	2222.5	2219.2	2212.5	2205.8
52.5°	1910.3	1893.5	1920.4	1947.2	1987.5	1994.2	2004.3	2014.4	2011.0	1997.6	1990.9
55°	1698.8	1712.2	1735.7	1745.8	1776.0	1772.7	1776.0	1776.0	1762.6	1755.9	1745.8
57.5°	1507.4	1510.8	1524.2	1527.6	1544.4	1537.6	1534.3	1527.6	1507.4	1504.1	1494.0
60°	1312.7	1306.0	1336.2	1312.7	1326.1	1312.7	1309.4	1292.6	1272.4	1269.1	1262.3
62.5°	1128.1	1114.6	1134.8	1124.7	1131.4	1118.0	1111.3	1091.1	1074.3	1071.0	1067.6
65°	963.5	956.8	977.0	973.6	980.3	963.5	956.8	943.4	930.0	926.6	923.3
67.5°	825.9	842.7	852.8	852.8	859.5	856.1	839.3	836.0	832.6	819.2	819.2
70°	725.2	735.3	755.4	758.8	755.4	762.1	748.7	745.3	742.0	735.3	731.9
72.5°	644.6	658.0	678.2	681.5	678.2	678.2	671.5	668.1	668.1	658.0	658.0
75°	580.8	597.6	614.4	614.4	614.4	607.7	601.0	601.0	594.2	590.9	584.2
77.5°	527.1	547.2	560.7	557.3	554.0	547.2	547.2	537.2	527.1	527.1	520.4
80°	486.8	500.2	510.3	507.0	503.6	493.5	490.2	480.1	473.4	463.3	463.3
82.5°	443.2	460.0	466.7	463.3	456.6	446.5	443.2	436.5	429.7	426.4	419.7
85°	406.2	423.0	426.4	419.7	412.9	406.2	402.9	399.5	396.2	389.4	389.4
87.5°	369.3	386.1	386.1	382.7	376.0	372.7	369.3	365.9	362.6	359.2	355.9
90°	339.1	352.5	352.5	349.2	345.8	342.4	339.1	335.7	332.4	329.0	329.0
92.5°	308.9	322.3	322.3	318.9	315.6	312.2	312.2	308.9	305.5	302.2	298.8
95°	282.0	295.4	295.4	295.4	292.1	288.7	288.7	285.4	282.0	282.0	278.7
97.5°	255.2	268.6	268.6	268.6	265.2	261.9	261.9	258.5	258.5	258.5	255.2
100°	231.7	241.7	245.1	245.1	241.7	241.7	241.7	238.4	238.4	238.4	235.0
102.5°	208.2	218.2	224.9	224.9	224.9	221.6	221.6	221.6	221.6	221.6	218.2
105°	188.0	198.1	204.8	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2
107.5°	171.2	181.3	188.0	191.4	194.7	194.7	198.1	198.1	198.1	198.1	198.1
110°	154.4	164.5	174.6	177.9	181.3	184.7	184.7	188.0	184.7	184.7	184.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	137.6	151.1	157.8	164.5	167.9	171.2	174.6	174.6	174.6	174.6	174.6
115°	124.2	137.6	144.4	151.1	157.8	161.2	161.2	164.5	164.5	164.5	161.2
117.5°	110.8	124.2	130.9	137.6	141.0	147.7	151.1	151.1	151.1	151.1	147.7
120°	100.7	110.8	117.5	124.2	130.9	134.3	137.6	137.6	137.6	137.6	137.6
122.5°	87.3	97.4	107.4	114.1	117.5	120.9	124.2	124.2	124.2	124.2	124.2
125°	77.2	87.3	94.0	100.7	104.1	110.8	110.8	110.8	110.8	110.8	110.8
127.5°	67.1	77.2	83.9	90.6	94.0	97.4	100.7	100.7	100.7	100.7	100.7
130°	57.1	67.1	73.9	80.6	83.9	87.3	87.3	90.6	90.6	90.6	90.6
132.5°	50.4	57.1	63.8	70.5	73.9	77.2	77.2	80.6	80.6	80.6	80.6
135°	40.3	50.4	53.7	60.4	63.8	67.1	67.1	70.5	70.5	70.5	70.5
137.5°	33.6	40.3	47.0	53.7	57.1	57.1	60.4	60.4	63.8	63.8	63.8
140°	26.9	30.2	40.3	43.6	47.0	50.4	53.7	53.7	53.7	53.7	53.7
142.5°	20.1	26.9	30.2	36.9	40.3	43.6	47.0	47.0	47.0	47.0	47.0
145°	16.8	20.1	23.5	30.2	33.6	36.9	40.3	40.3	40.3	40.3	40.3
147.5°	13.4	16.8	20.1	23.5	26.9	30.2	33.6	33.6	33.6	33.6	33.6
150°	10.1	13.4	16.8	16.8	20.1	23.5	26.9	30.2	30.2	30.2	30.2
152.5°	10.1	10.1	13.4	13.4	16.8	20.1	23.5	23.5	23.5	23.5	23.5
155°	6.7	10.1	10.1	10.1	13.4	13.4	16.8	20.1	20.1	20.1	20.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8
2.5°	6499.8	6513.2	6506.5	6496.4	6493.0	6509.8	6493.0	6415.8	6446.0	6449.4	6472.9
5°	6489.7	6499.8	6493.0	6486.3	6476.3	6496.4	6476.3	6395.7	6425.9	6429.3	6452.8
7.5°	6556.8	6560.2	6560.2	6543.4	6516.5	6526.6	6499.8	6409.1	6425.9	6425.9	6442.7
10°	6724.7	6731.4	6741.5	6697.8	6664.3	6637.4	6600.5	6489.7	6486.3	6459.5	6459.5
12.5°	6942.9	6926.1	6909.4	6889.2	6862.3	6828.8	6775.1	6644.1	6600.5	6556.8	6513.2
15°	7006.7	7000.0	6996.6	6986.6	6969.8	6959.7	6919.4	6788.5	6724.7	6671.0	6593.8
17.5°	6838.8	6852.3	6895.9	6899.3	6919.4	6959.7	6953.0	6862.3	6805.3	6781.8	6687.8
20°	6536.7	6540.0	6593.8	6617.3	6704.6	6771.7	6822.1	6812.0	6798.6	6825.4	6754.9
22.5°	6174.1	6197.6	6254.7	6291.6	6375.5	6452.8	6533.3	6577.0	6647.5	6758.3	6744.8
25°	5680.6	5710.8	5791.4	5851.8	5969.3	6086.8	6194.2	6271.5	6355.4	6566.9	6637.4
27.5°	5089.7	5136.7	5240.8	5301.2	5465.7	5586.6	5741.0	5892.1	6009.6	6251.3	6395.7
30°	4468.6	4508.9	4619.7	4703.6	4844.6	5009.1	5203.8	5418.7	5613.4	5858.5	6039.8
32.5°	3887.8	3931.4	4022.1	4095.9	4253.7	4391.4	4606.2	4871.5	5052.8	5391.8	5633.6
35°	3380.8	3421.1	3484.9	3548.7	3679.6	3820.6	4005.3	4263.8	4495.4	4848.0	5153.5
37.5°	3024.9	3031.7	3068.6	3105.5	3202.9	3310.3	3454.7	3683.0	3897.8	4277.2	4612.9
40°	2769.8	2769.8	2789.9	2800.0	2843.6	2907.4	2998.1	3176.0	3354.0	3642.7	4052.3
42.5°	2612.0	2605.3	2605.3	2608.6	2605.3	2635.5	2689.2	2773.1	2930.9	3169.3	3488.2
45°	2494.5	2481.1	2471.0	2447.5	2434.1	2434.1	2437.4	2467.6	2558.3	2712.7	2971.2
47.5°	2363.5	2360.2	2343.4	2316.5	2293.0	2276.3	2249.4	2239.3	2266.2	2353.5	2528.1
50°	2212.5	2195.7	2178.9	2158.8	2131.9	2115.1	2064.7	2068.1	2044.6	2084.9	2175.5
52.5°	1990.9	1977.5	1970.7	1954.0	1943.9	1937.2	1896.9	1856.6	1846.5	1853.2	1886.8
55°	1745.8	1752.5	1725.7	1739.1	1735.7	1705.5	1688.7	1658.5	1648.4	1645.1	1661.9
57.5°	1490.6	1497.4	1480.6	1494.0	1494.0	1477.2	1467.1	1467.1	1443.6	1423.5	1447.0
60°	1259.0	1245.6	1255.6	1272.4	1272.4	1262.3	1255.6	1255.6	1238.8	1232.1	1248.9
62.5°	1071.0	1057.6	1067.6	1084.4	1087.8	1081.1	1074.3	1074.3	1054.2	1054.2	1067.6
65°	926.6	930.0	926.6	940.0	940.0	943.4	936.7	930.0	906.5	916.5	913.2
67.5°	822.5	819.2	819.2	832.6	829.3	836.0	829.3	819.2	802.4	789.0	785.6
70°	735.3	731.9	731.9	738.6	742.0	742.0	738.6	731.9	708.4	695.0	684.9
72.5°	658.0	654.7	658.0	661.4	664.7	668.1	664.7	658.0	637.9	621.1	604.3
75°	587.5	584.2	594.2	594.2	597.6	597.6	601.0	597.6	580.8	560.7	540.5
77.5°	517.0	520.4	530.5	533.8	540.5	543.9	547.2	547.2	530.5	513.7	486.8
80°	460.0	466.7	473.4	476.7	483.5	493.5	496.9	500.2	486.8	470.0	439.8
82.5°	419.7	423.0	429.7	433.1	443.2	446.5	449.9	456.6	449.9	433.1	399.5
85°	386.1	389.4	396.2	396.2	402.9	409.6	412.9	416.3	412.9	396.2	362.6
87.5°	355.9	359.2	362.6	365.9	369.3	372.7	376.0	379.4	376.0	359.2	329.0
90°	329.0	329.0	332.4	332.4	335.7	339.1	345.8	345.8	342.4	329.0	298.8
92.5°	298.8	302.2	302.2	305.5	308.9	312.2	315.6	315.6	312.2	298.8	271.9
95°	278.7	278.7	282.0	282.0	285.4	285.4	288.7	288.7	285.4	271.9	245.1
97.5°	255.2	255.2	255.2	255.2	258.5	258.5	261.9	261.9	258.5	245.1	221.6
100°	235.0	235.0	235.0	235.0	235.0	238.4	238.4	238.4	235.0	221.6	198.1
102.5°	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	211.5	201.4	177.9
105°	208.2	208.2	208.2	204.8	204.8	204.8	201.4	201.4	191.4	181.3	161.2
107.5°	194.7	194.7	194.7	191.4	191.4	188.0	184.7	184.7	174.6	164.5	144.4
110°	184.7	184.7	184.7	181.3	177.9	174.6	171.2	167.9	157.8	144.4	127.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	174.6	174.6	171.2	171.2	167.9	164.5	157.8	154.4	144.4	130.9	114.1
115°	161.2	161.2	161.2	157.8	154.4	151.1	147.7	141.0	130.9	117.5	100.7
117.5°	147.7	147.7	147.7	144.4	141.0	137.6	134.3	127.6	117.5	104.1	90.6
120°	134.3	134.3	134.3	130.9	127.6	124.2	120.9	114.1	104.1	94.0	77.2
122.5°	124.2	124.2	120.9	117.5	114.1	110.8	107.4	100.7	94.0	80.6	67.1
125°	110.8	110.8	107.4	107.4	104.1	100.7	97.4	90.6	80.6	70.5	60.4
127.5°	100.7	97.4	97.4	97.4	94.0	90.6	83.9	80.6	70.5	60.4	50.4
130°	87.3	87.3	87.3	83.9	83.9	80.6	73.9	67.1	60.4	53.7	43.6
132.5°	77.2	77.2	77.2	77.2	73.9	70.5	63.8	60.4	53.7	43.6	36.9
135°	70.5	70.5	67.1	67.1	63.8	60.4	57.1	50.4	43.6	36.9	30.2
137.5°	60.4	60.4	60.4	57.1	57.1	53.7	47.0	43.6	40.3	33.6	26.9
140°	53.7	53.7	50.4	50.4	47.0	47.0	43.6	36.9	33.6	26.9	23.5
142.5°	47.0	47.0	43.6	43.6	40.3	40.3	36.9	33.6	26.9	23.5	16.8
145°	40.3	40.3	36.9	36.9	36.9	33.6	30.2	26.9	23.5	20.1	16.8
147.5°	33.6	33.6	33.6	30.2	30.2	26.9	26.9	23.5	20.1	16.8	13.4
150°	30.2	30.2	26.9	26.9	26.9	23.5	20.1	20.1	16.8	13.4	10.1
152.5°	23.5	23.5	23.5	23.5	20.1	20.1	16.8	16.8	13.4	10.1	10.1
155°	20.1	20.1	20.1	16.8	16.8	16.8	13.4	13.4	10.1	10.1	6.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8	6499.8
2.5°	6462.8	6459.5	6489.7	6486.3	6446.0	6506.5	6546.8
5°	6446.0	6442.7	6469.5	6476.3	6432.6	6496.4	6540.0
7.5°	6432.6	6429.3	6459.5	6469.5	6425.9	6483.0	6530.0
10°	6436.0	6419.2	6446.0	6452.8	6412.5	6472.9	6513.2
12.5°	6459.5	6419.2	6429.3	6429.3	6392.3	6446.0	6489.7
15°	6516.5	6432.6	6419.2	6409.1	6362.1	6412.5	6456.1
17.5°	6580.3	6466.2	6419.2	6385.6	6328.5	6372.2	6419.2
20°	6644.1	6503.1	6425.9	6372.2	6295.0	6335.3	6368.8
22.5°	6674.3	6536.7	6432.6	6352.0	6254.7	6274.8	6311.7
25°	6634.1	6523.3	6419.2	6321.8	6204.3	6207.7	6237.9
27.5°	6486.3	6456.1	6389.0	6291.6	6164.0	6147.2	6170.7
30°	6234.5	6318.5	6321.8	6251.3	6117.0	6083.5	6093.5
32.5°	5882.0	6070.0	6180.8	6167.4	6049.9	6002.9	6009.6
35°	5475.8	5710.8	5952.5	6033.1	5949.2	5912.2	5898.8
37.5°	4989.0	5304.6	5626.9	5824.9	5811.5	5788.0	5774.6
40°	4451.8	4831.2	5213.9	5529.5	5626.9	5626.9	5633.6
42.5°	3877.7	4320.9	4740.5	5140.0	5368.3	5418.7	5438.8
45°	3323.7	3770.3	4226.9	4686.8	4992.3	5150.1	5207.2
47.5°	2820.1	3270.0	3703.1	4206.7	4612.9	4817.7	4908.4
50°	2390.4	2726.1	3182.7	3683.0	4126.1	4377.9	4555.9
52.5°	2034.5	2296.4	2695.9	3162.6	3609.1	3954.9	4119.4
55°	1735.7	1913.7	2252.8	2655.6	3082.0	3441.2	3632.6
57.5°	1483.9	1624.9	1856.6	2192.3	2551.6	2907.4	3112.2
60°	1262.3	1359.7	1517.5	1782.7	2088.2	2393.8	2591.8
62.5°	1071.0	1134.8	1238.8	1433.6	1671.9	1910.3	2095.0
65°	923.3	950.1	1007.2	1128.1	1309.4	1490.6	1648.4
67.5°	778.9	795.7	839.3	913.2	1003.8	1134.8	1238.8
70°	671.5	671.5	674.8	718.5	765.5	849.4	923.3
72.5°	584.2	574.1	554.0	564.0	574.1	621.1	668.1
75°	513.7	490.2	456.6	443.2	436.5	443.2	470.0
77.5°	453.2	419.7	379.4	345.8	318.9	308.9	332.4
80°	402.9	362.6	315.6	271.9	228.3	204.8	214.9
82.5°	362.6	312.2	261.9	211.5	161.2	127.6	127.6
85°	318.9	271.9	218.2	164.5	114.1	70.5	63.8
87.5°	288.7	238.4	181.3	130.9	80.6	36.9	20.1
90°	258.5	208.2	154.4	104.1	57.1	16.8	0.0
92.5°	231.7	184.7	134.3	83.9	40.3	10.1	0.0
95°	208.2	164.5	114.1	70.5	33.6	6.7	3.4
97.5°	184.7	144.4	100.7	57.1	23.5	6.7	3.4
100°	167.9	127.6	87.3	47.0	20.1	3.4	3.4
102.5°	147.7	114.1	73.9	40.3	16.8	3.4	3.4
105°	130.9	100.7	63.8	33.6	13.4	3.4	3.4
107.5°	117.5	87.3	57.1	30.2	13.4	3.4	3.4
110°	104.1	77.2	50.4	26.9	10.1	3.4	3.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	94.0	67.1	43.6	23.5	6.7	3.4	3.4
115°	80.6	60.4	36.9	20.1	6.7	3.4	3.4
117.5°	70.5	50.4	33.6	16.8	6.7	3.4	3.4
120°	60.4	43.6	26.9	13.4	3.4	3.4	3.4
122.5°	53.7	36.9	23.5	13.4	3.4	3.4	3.4
125°	47.0	33.6	20.1	10.1	3.4	3.4	3.4
127.5°	40.3	26.9	16.8	6.7	3.4	3.4	3.4
130°	33.6	23.5	13.4	6.7	3.4	3.4	3.4
132.5°	26.9	20.1	13.4	6.7	3.4	3.4	3.4
135°	23.5	16.8	10.1	6.7	3.4	3.4	3.4
137.5°	20.1	13.4	6.7	6.7	6.7	3.4	3.4
140°	16.8	10.1	6.7	6.7	6.7	6.7	3.4
142.5°	13.4	10.1	6.7	6.7	6.7	6.7	3.4
145°	10.1	6.7	6.7	6.7	6.7	6.7	3.4
147.5°	10.1	6.7	6.7	6.7	6.7	6.7	3.4
150°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
152.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
155°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)