

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: LUMIERE

Report Number: P246995

Luminaire Tested: **203-FL-8LED2710-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246995
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-13)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED2710-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
FLUSH HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-10D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 282.9 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.95 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

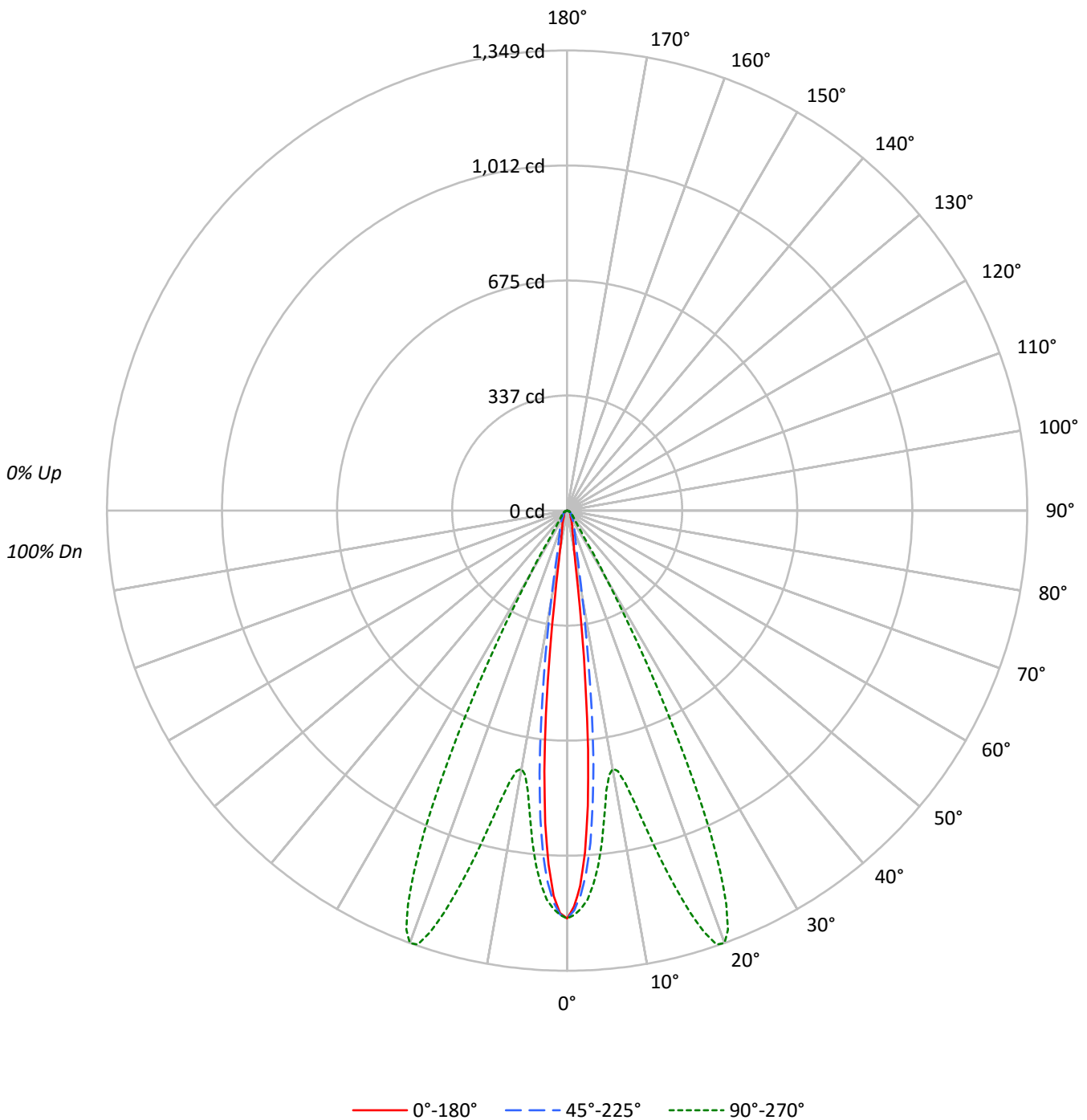
Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

Luminous Intensity Polar Plot





TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94					94			
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88					88			
3	103	97	92	89	101	96	91	88	93	90	87	91	88	85	89	86	84	82					82			
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	85	82	79	78					78			
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74					74			
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70					70			
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67					67			
8	84	75	70	66	82	75	69	66	73	69	66	72	68	65	72	68	65	64					64			
9	81	72	67	63	79	71	66	63	71	66	63	70	66	63	69	65	62	61					61			
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59					59			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	590033	590033	590033
5°	348121	517700	379769
10°	58065	385061	60820
15°	30800	539490	29370
20°	21579	708389	20634
25°	15406	481072	13936
30°	11964	123797	11451
35°	10420	32464	10420
40°	9983	21190	9403
45°	9559	16537	8931
50°	9134	14737	8443
55°	8602	13333	7828
60°	7203	11742	6315
65°	6421	9573	6421
70°	5337	7934	5337
75°	3431	7053	3431
80°	2557	5114	2557
85°	0	0	5095



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	23.0
10°-20°	85.8	30.3
20°-30°	77.9	27.5
30°-40°	20.0	7.1
40°-50°	13.3	4.7
50°-60°	10.5	3.7
60°-70°	6.8	2.4
70°-80°	3.0	1.1
80°-90°	0.6	0.2
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°-30°	228.7	80.8
0°-40°	248.6	87.9
0°-60°	272.5	96.3
0°-90°	282.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1196	1196	1196	1196	1196	
5°	703	859	1045	904	767	44
15°	60	98	1056	97	58	18
25°	28	46	884	45	26	13
35°	17	25	54	24	17	11
45°	14	16	24	16	13	11
55°	10	12	16	12	9	8
65°	6	7	8	7	6	5
75°	2	3	4	3	2	2
85°	0	1	0	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9
1°	1161.2	1168.5	1165.8	1168.5	1166.7	1171.2	1168.5	1168.5	1171.2	1173.1	1172.1
2°	1100.9	1114.6	1109.2	1115.5	1111.0	1119.2	1116.5	1118.3	1123.8	1127.4	1128.3
3°	1003.3	1027.0	1018.8	1028.8	1024.3	1036.1	1033.4	1039.8	1051.6	1063.5	1065.3
4°	867.2	880.0	889.2	903.8	898.3	915.6	915.6	926.6	947.6	967.7	976.8
5°	702.9	718.4	728.5	747.7	745.8	766.8	769.6	786.9	817.0	846.2	859.0
6°	518.5	536.8	548.6	572.4	573.3	596.1	604.3	625.3	662.8	700.2	737.6
7°	348.7	366.1	375.2	396.2	399.8	421.8	431.8	455.5	496.6	523.1	587.9
8°	224.6	238.3	245.6	260.2	266.6	282.1	291.2	312.2	349.6	382.5	447.3
9°	152.5	159.8	164.3	173.4	179.8	189.0	196.3	211.8	243.7	274.8	335.0
10°	115.9	119.6	122.3	128.7	132.4	137.8	143.3	154.3	175.3	200.8	251.0
11°	100.4	98.6	100.4	105.0	107.7	111.4	114.1	121.4	136.0	154.3	191.7
12°	85.8	84.9	85.8	89.5	92.2	94.0	95.9	103.2	112.3	126.0	152.5
13°	74.9	74.9	75.8	78.5	80.3	83.1	84.0	89.5	97.7	106.8	126.0
14°	65.7	65.7	67.6	70.3	72.1	73.9	75.8	80.3	86.7	94.9	108.6
15°	60.3	59.3	61.2	63.0	64.8	66.6	68.5	72.1	77.6	84.9	97.7
16°	53.9	53.9	55.7	57.5	59.3	61.2	63.0	65.7	71.2	77.6	88.5
17°	50.2	50.2	51.1	52.9	54.8	56.6	57.5	60.3	64.8	72.1	80.3
18°	46.6	46.6	47.5	49.3	51.1	52.0	53.9	56.6	60.3	66.6	73.9
19°	43.8	43.8	44.7	46.6	47.5	49.3	50.2	52.9	56.6	61.2	69.4
20°	41.1	41.1	42.0	43.8	45.6	46.6	47.5	50.2	52.9	57.5	63.9
21°	38.3	38.3	39.3	41.1	42.9	43.8	44.7	47.5	50.2	53.9	59.3
22°	35.6	35.6	36.5	38.3	40.2	41.1	42.0	44.7	47.5	50.2	55.7
23°	32.9	32.9	33.8	34.7	36.5	38.3	39.3	42.0	44.7	47.5	52.0
24°	30.1	30.1	31.0	32.0	33.8	35.6	36.5	39.3	42.0	44.7	48.4
25°	28.3	27.4	28.3	29.2	31.0	32.9	33.8	37.4	40.2	42.9	45.6
26°	25.6	25.6	26.5	27.4	29.2	30.1	31.0	34.7	37.4	40.2	43.8
27°	23.7	23.7	24.6	25.6	26.5	27.4	29.2	32.0	34.7	38.3	41.1
28°	22.8	22.8	22.8	23.7	24.6	25.6	26.5	29.2	32.9	35.6	39.3
29°	21.9	21.0	21.9	22.8	23.7	23.7	24.6	27.4	30.1	33.8	36.5
30°	21.0	20.1	21.0	21.0	21.9	22.8	23.7	25.6	28.3	31.0	34.7
32.5°	19.2	19.2	19.2	20.1	20.1	21.0	21.0	21.9	23.7	26.5	30.1
35°	17.3	17.3	18.3	18.3	19.2	19.2	19.2	20.1	21.0	22.8	24.6
37.5°	16.4	16.4	16.4	17.3	18.3	18.3	18.3	19.2	19.2	20.1	21.9
40°	15.5	15.5	16.4	16.4	17.3	17.3	17.3	18.3	18.3	18.3	19.2
42.5°	14.6	14.6	15.5	15.5	16.4	16.4	16.4	16.4	17.3	17.3	17.3
45°	13.7	13.7	13.7	14.6	15.5	15.5	15.5	15.5	16.4	16.4	16.4
47.5°	12.8	12.8	12.8	13.7	14.6	14.6	14.6	14.6	15.5	15.5	15.5
50°	11.9	11.9	11.9	12.8	12.8	13.7	13.7	13.7	14.6	13.7	14.6
52.5°	10.0	11.0	11.0	11.0	11.9	12.8	12.8	12.8	12.8	12.8	13.7
55°	10.0	9.1	10.0	10.0	11.0	11.0	11.9	11.9	11.9	11.9	11.9
57.5°	8.2	8.2	8.2	9.1	10.0	10.0	10.0	11.0	11.0	11.0	11.0
60°	7.3	7.3	7.3	7.3	9.1	9.1	9.1	9.1	9.1	10.0	10.0
62.5°	6.4	6.4	6.4	6.4	7.3	8.2	8.2	8.2	8.2	8.2	8.2
65°	5.5	5.5	5.5	5.5	6.4	6.4	7.3	7.3	7.3	7.3	7.3



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
67.5°	4.6	4.6	4.6	4.6	5.5	5.5	5.5	6.4	6.4	6.4	6.4
70°	3.7	3.7	3.7	3.7	4.6	4.6	4.6	5.5	5.5	5.5	5.5
72.5°	2.7	2.7	2.7	2.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
75°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9
1°	1178.5	1177.6	1178.5	1178.5	1179.4	1184.0	1182.2	1182.2	1184.0	1185.8	1186.8
2°	1140.2	1142.9	1147.5	1151.1	1153.0	1156.6	1158.5	1162.1	1164.8	1167.6	1168.5
3°	1086.3	1092.7	1102.8	1112.8	1116.5	1121.9	1128.3	1132.9	1137.5	1142.0	1142.9
4°	1012.4	1024.3	1039.8	1052.6	1059.9	1069.9	1080.9	1089.1	1096.4	1099.1	1096.4
5°	907.4	928.4	953.1	975.9	985.0	999.6	1016.0	1028.8	1039.8	1045.3	1042.5
6°	782.3	813.4	849.0	882.8	894.6	914.7	939.4	954.9	970.4	975.9	973.1
7°	643.6	683.8	730.3	775.0	791.5	817.9	849.0	870.9	890.1	896.5	893.7
8°	511.2	561.4	607.1	674.6	697.4	717.5	766.8	796.9	818.9	828.0	823.4
9°	388.9	461.0	519.4	596.1	625.3	660.0	704.7	748.6	774.1	785.1	780.5
10°	304.9	379.8	449.1	535.9	571.5	611.6	670.1	722.1	754.0	768.6	762.3
11°	240.1	313.1	389.8	486.6	529.5	576.0	651.8	717.5	757.7	777.8	768.6
12°	190.8	257.4	335.9	443.7	493.9	548.6	648.1	733.0	786.9	814.3	799.7
13°	156.1	210.9	288.5	405.3	464.7	530.4	658.2	770.5	840.8	878.2	857.2
14°	132.4	176.2	248.3	369.7	440.9	519.4	682.8	826.2	916.5	963.1	938.4
15°	115.0	150.6	213.6	339.6	420.8	513.0	715.7	892.8	1006.0	1056.2	1027.9
16°	105.0	132.4	187.1	311.3	402.6	509.4	749.5	958.5	1092.7	1146.6	1113.7
17°	94.9	118.7	168.9	284.8	381.6	502.1	772.3	1018.8	1174.9	1231.5	1193.1
18°	87.6	108.6	149.7	258.3	357.9	487.5	789.6	1065.3	1238.8	1299.9	1258.0
19°	81.2	99.5	135.1	232.8	329.6	464.7	794.2	1095.5	1281.7	1345.6	1297.2
20°	74.9	91.3	122.3	205.4	297.6	430.9	776.9	1095.5	1286.3	1349.2	1305.4
21°	69.4	84.9	110.5	179.8	261.1	387.1	734.0	1062.6	1255.2	1315.5	1276.2
22°	63.9	77.6	100.4	155.2	222.7	335.9	667.3	995.0	1183.1	1245.2	1210.5
23°	59.3	71.2	91.3	134.2	185.3	281.2	578.8	897.4	1085.4	1148.4	1100.9
24°	54.8	65.7	82.2	115.0	153.4	227.3	479.3	765.9	964.9	1027.9	982.3
25°	51.1	60.3	74.9	100.4	126.9	180.8	380.7	634.5	821.6	883.7	838.0
26°	47.5	54.8	66.6	87.6	105.9	143.3	291.2	503.9	670.1	728.5	687.4
27°	44.7	51.1	61.2	77.6	90.4	115.0	214.5	383.4	521.3	574.2	535.9
28°	42.0	47.5	55.7	69.4	78.5	95.9	157.9	278.4	388.9	435.4	417.2
29°	39.3	43.8	51.1	62.1	68.5	80.3	116.8	191.7	276.6	315.9	299.4
30°	37.4	41.1	46.6	54.8	60.3	69.4	89.5	132.4	187.1	217.3	204.5
32.5°	32.9	35.6	38.3	42.9	46.6	51.1	58.4	70.3	80.3	89.5	84.0
35°	27.4	30.1	32.9	35.6	38.3	40.2	42.9	48.4	52.0	53.9	52.9
37.5°	22.8	25.6	27.4	30.1	31.0	32.9	34.7	37.4	40.2	41.1	40.2
40°	20.1	21.0	22.8	24.6	25.6	26.5	28.3	29.2	32.0	32.9	32.0
42.5°	18.3	19.2	20.1	21.0	21.9	21.9	23.7	24.6	25.6	27.4	26.5
45°	16.4	17.3	17.3	18.3	18.3	19.2	20.1	21.0	22.8	23.7	23.7
47.5°	15.5	15.5	16.4	16.4	16.4	17.3	17.3	18.3	20.1	21.0	21.0
50°	14.6	14.6	14.6	15.5	15.5	15.5	15.5	16.4	18.3	19.2	18.3
52.5°	13.7	13.7	13.7	13.7	13.7	13.7	14.6	14.6	16.4	16.4	16.4
55°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13.7	14.6	15.5	14.6
57.5°	11.0	11.0	11.0	11.0	11.9	11.9	11.9	11.9	12.8	13.7	12.8
60°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.9	11.0
62.5°	9.1	9.1	9.1	8.2	8.2	8.2	9.1	9.1	9.1	10.0	10.0
65°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	8.2	8.2	8.2	8.2



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.3	7.3	7.3
70°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
72.5°	3.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	2.7	2.7	2.7	2.7	3.7	2.7	2.7	3.7	3.7	3.7	3.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.7	1.8	2.7	2.7	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9
1°	1184.9	1184.9	1187.7	1185.8	1186.8	1187.7	1188.6	1185.8	1184.0	1185.8	1185.8
2°	1166.7	1166.7	1166.7	1162.1	1163.0	1159.4	1159.4	1152.1	1148.4	1148.4	1146.6
3°	1138.4	1137.5	1135.6	1128.3	1128.3	1121.9	1117.4	1102.8	1091.8	1088.2	1079.9
4°	1094.5	1092.7	1089.1	1075.4	1076.3	1065.3	1047.1	1030.6	1010.6	1000.5	985.9
5°	1038.9	1032.5	1023.3	1004.2	1004.2	984.1	969.5	934.8	903.8	891.0	866.3
6°	965.8	957.6	943.9	917.4	916.5	887.3	863.6	817.9	774.1	757.7	726.7
7°	883.7	870.0	849.0	817.0	811.6	772.3	739.4	684.7	628.1	602.5	564.2
8°	809.7	787.8	757.7	722.1	709.3	659.1	615.3	550.5	488.4	454.6	407.1
9°	761.3	730.3	688.3	650.0	630.8	566.9	508.5	438.2	367.9	314.9	281.2
10°	736.7	694.7	634.5	598.9	570.6	494.8	426.3	348.7	275.7	225.5	195.4
11°	734.0	677.4	603.4	561.4	524.0	435.4	356.9	274.8	206.3	167.1	145.1
12°	754.0	676.4	580.6	529.5	484.7	383.4	294.9	216.4	160.7	131.5	115.9
13°	794.2	692.0	569.6	505.7	449.1	334.1	241.0	171.6	129.6	109.5	98.6
14°	854.5	721.2	565.1	487.5	418.1	288.5	197.2	140.6	109.5	94.9	86.7
15°	924.8	759.5	567.8	473.8	389.8	246.5	165.2	120.5	96.8	84.9	77.6
16°	994.1	798.8	571.5	460.1	362.4	214.5	141.5	105.9	87.6	76.7	70.3
17°	1057.1	833.5	570.6	441.8	333.2	185.3	124.2	95.9	79.4	71.2	64.8
18°	1102.8	857.2	562.3	418.1	304.0	163.4	111.4	86.7	73.0	65.7	59.3
19°	1135.6	864.5	541.3	390.7	272.0	144.2	101.3	80.3	67.6	61.2	55.7
20°	1138.4	853.5	506.7	350.5	239.2	128.7	92.2	73.9	63.0	56.6	52.0
21°	1106.4	822.5	459.2	308.6	206.3	115.0	84.9	68.5	58.4	52.9	49.3
22°	1040.7	763.2	398.9	259.3	174.4	103.2	77.6	63.9	54.8	49.3	45.6
23°	947.6	679.2	334.1	214.5	147.0	93.1	71.2	59.3	51.1	46.6	42.9
24°	831.6	574.2	269.3	173.4	124.2	83.1	65.7	54.8	47.5	43.8	41.1
25°	698.4	462.8	210.0	140.6	106.8	75.8	60.3	51.1	44.7	42.0	38.3
26°	545.9	357.9	163.4	116.8	93.1	68.5	56.6	47.5	42.9	39.3	35.6
27°	419.0	267.5	128.7	97.7	81.2	62.1	51.1	44.7	40.2	37.4	32.9
28°	307.6	178.0	103.2	84.0	71.2	56.6	47.5	42.0	38.3	34.7	31.0
29°	213.6	133.3	84.9	72.1	63.9	52.0	44.7	39.3	35.6	32.0	29.2
30°	146.1	98.6	71.2	63.0	56.6	47.5	41.1	37.4	33.8	30.1	26.5
32.5°	73.0	60.3	51.1	47.5	43.8	38.3	34.7	32.0	28.3	25.6	22.8
35°	49.3	43.8	39.3	37.4	35.6	32.0	29.2	26.5	23.7	21.9	20.1
37.5°	37.4	34.7	32.0	31.0	29.2	26.5	24.6	21.9	21.0	19.2	19.2
40°	30.1	28.3	26.5	25.6	24.6	22.8	21.0	19.2	19.2	18.3	17.3
42.5°	24.6	23.7	21.9	21.0	21.0	19.2	18.3	17.3	17.3	16.4	16.4
45°	21.9	20.1	19.2	18.3	18.3	17.3	17.3	16.4	16.4	15.5	15.5
47.5°	19.2	18.3	17.3	16.4	16.4	15.5	15.5	15.5	14.6	14.6	14.6
50°	17.3	16.4	15.5	15.5	14.6	14.6	14.6	13.7	13.7	13.7	13.7
52.5°	15.5	14.6	13.7	13.7	13.7	12.8	12.8	12.8	12.8	11.9	11.9
55°	13.7	12.8	12.8	12.8	11.9	11.9	11.9	11.9	11.9	11.0	11.0
57.5°	12.8	11.9	11.0	11.0	11.0	11.0	11.0	11.0	10.0	10.0	10.0
60°	11.0	10.0	10.0	10.0	10.0	9.1	9.1	9.1	9.1	9.1	9.1
62.5°	9.1	9.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
65°	8.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	6.4	6.4



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5	5.5
70°	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
72.5°	4.6	4.6	4.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
75°	3.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	0.9	1.8	1.8	1.8	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9	1195.9
1°	1184.9	1184.0	1183.1	1184.9	1186.8	1182.2	1180.4	1180.4
2°	1142.9	1142.0	1136.5	1140.2	1142.9	1132.9	1131.1	1130.2
3°	1070.8	1064.4	1054.4	1060.8	1064.4	1047.1	1043.4	1038.9
4°	969.5	957.6	942.1	950.3	952.1	929.3	923.8	918.4
5°	839.9	805.2	801.5	808.8	811.6	781.4	776.0	766.8
6°	692.0	648.1	663.7	651.8	649.1	615.3	608.0	597.0
7°	525.8	476.5	467.4	476.5	471.0	432.7	426.3	411.7
8°	364.2	321.3	328.6	316.8	293.0	280.3	275.7	264.7
9°	243.7	210.0	201.7	205.4	188.1	179.8	177.1	169.8
10°	168.0	147.0	141.5	143.3	132.4	127.8	126.0	121.4
11°	127.8	115.0	114.1	110.5	104.1	101.3	100.4	97.7
12°	104.1	95.9	94.9	91.3	88.5	85.8	84.9	82.2
13°	90.4	84.0	82.2	81.2	76.7	73.9	73.0	72.1
14°	79.4	73.9	73.0	71.2	68.5	65.7	64.8	63.0
15°	71.2	66.6	65.7	63.9	61.2	59.3	58.4	57.5
16°	64.8	60.3	59.3	58.4	55.7	53.9	52.9	52.0
17°	59.3	56.6	54.8	53.9	51.1	50.2	48.4	47.5
18°	55.7	52.9	51.1	49.3	47.5	46.6	45.6	44.7
19°	52.0	49.3	47.5	46.6	44.7	42.9	42.0	42.0
20°	48.4	46.6	44.7	43.8	42.0	40.2	39.3	39.3
21°	45.6	43.8	42.0	41.1	39.3	37.4	36.5	36.5
22°	42.9	40.2	38.3	37.4	35.6	34.7	32.9	32.9
23°	40.2	37.4	35.6	34.7	32.9	31.0	30.1	30.1
24°	37.4	33.8	32.9	32.0	30.1	29.2	28.3	27.4
25°	34.7	31.0	30.1	29.2	27.4	26.5	25.6	25.6
26°	32.0	29.2	28.3	27.4	25.6	24.6	23.7	23.7
27°	29.2	27.4	25.6	25.6	23.7	22.8	22.8	22.8
28°	27.4	25.6	24.6	23.7	22.8	21.9	21.0	21.9
29°	25.6	23.7	22.8	22.8	21.9	21.0	20.1	20.1
30°	23.7	22.8	21.9	21.9	21.0	20.1	19.2	20.1
32.5°	21.9	21.0	20.1	20.1	19.2	18.3	18.3	18.3
35°	20.1	19.2	19.2	19.2	18.3	17.3	17.3	17.3
37.5°	18.3	18.3	17.3	17.3	17.3	16.4	15.5	15.5
40°	17.3	16.4	16.4	16.4	16.4	15.5	14.6	14.6
42.5°	16.4	16.4	15.5	15.5	14.6	14.6	13.7	13.7
45°	15.5	14.6	14.6	14.6	13.7	13.7	12.8	12.8
47.5°	13.7	13.7	13.7	13.7	12.8	12.8	11.9	11.9
50°	12.8	12.8	12.8	12.8	11.9	11.0	11.0	11.0
52.5°	11.9	11.9	11.9	11.0	11.0	10.0	10.0	10.0
55°	11.0	11.0	11.0	10.0	10.0	9.1	9.1	9.1
57.5°	10.0	10.0	9.1	9.1	8.2	8.2	8.2	8.2
60°	8.2	8.2	8.2	8.2	7.3	6.4	6.4	6.4
62.5°	7.3	7.3	7.3	6.4	6.4	5.5	5.5	5.5
65°	6.4	6.4	6.4	5.5	5.5	5.5	4.6	5.5



TEST NUMBER: P246995

CATALOG NUMBER: 203-FL-8LED2710-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
67.5°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6
70°	4.6	4.6	3.7	3.7	3.7	3.7	3.7	3.7
72.5°	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.0	0.0	0.0	0.9	0.9	0.0	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)