

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427662

Luminaire Tested: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427662
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

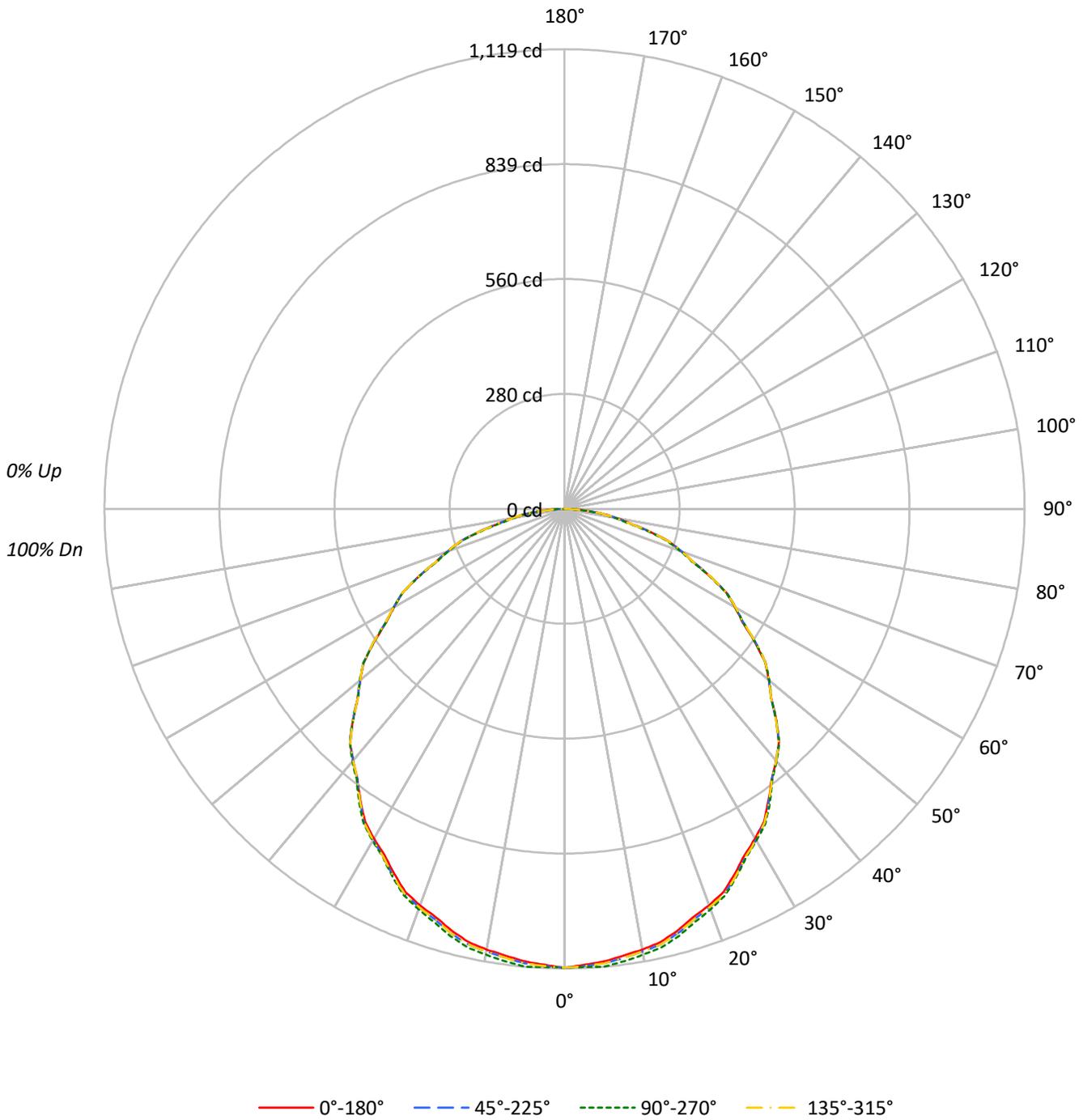
Lumens per Lamp: N/A
Luminaire Lumens: 3144.1 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.7
Input Voltage (V): 120
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: 24 FT

TEST NUMBER: P1427662

CATALOG NUMBER: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18038	18038	18038	18038
5°	17927	18131	17927	18131
10°	17864	18070	17864	18070
15°	17766	17989	17766	17989
20°	17654	17829	17654	17829
25°	17464	17617	17464	17617
30°	17279	17396	17279	17396
35°	17057	17166	17057	17166
40°	16863	16914	16863	16914
45°	16616	16616	16616	16616
50°	16284	16322	16284	16322
55°	15901	15924	15901	15924
60°	15471	15471	15471	15471
65°	14968	14907	14968	14907
70°	14261	14115	14261	14115
75°	13300	13007	13300	13007
80°	11855	11269	11855	11269
85°	9466	8021	9466	8021

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 16728 cd/sqm



TEST NUMBER: P1427662

CATALOG NUMBER: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	3.4
10°-20°	302.0	9.6
20°-30°	454.6	14.5
30°-40°	543.7	17.3
40°-50°	561.4	17.9
50°-60°	506.4	16.1
60°-70°	387.9	12.3
70°-80°	224.2	7.1
80°-90°	58.2	1.9
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°	862.4	27.4
0°-40°	1406.0	44.7
0°-60°	2473.8	78.7
0°-90°	3144.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3144.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1117	1117	1117	1117	1117	
5°	1106	1119	1106	1119	1106	105
15°	1063	1076	1063	1076	1063	300
25°	980	989	980	989	980	452
35°	865	871	865	871	865	542
45°	728	728	728	728	728	561
55°	565	566	565	566	565	505
65°	392	390	392	390	392	387
75°	213	208	213	208	213	226
85°	51	43	51	43	51	62
90°	0	0	0	0	0	



TEST NUMBER: P1427662

CATALOG NUMBER: SQ2W-F-OU-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1111.5	1116.8	1122.1	1119.9	1115.1	1113.3	1114.4	1115.4	1116.0	1116.5	1116.0
5°	1106.1	1113.1	1120.1	1117.7	1112.1	1109.6	1110.3	1111.7	1115.2	1118.7	1115.2
7.5°	1097.2	1104.2	1111.2	1108.9	1103.6	1101.4	1102.2	1103.7	1107.4	1111.0	1107.4
10°	1089.6	1096.6	1103.6	1101.2	1095.6	1093.5	1094.9	1096.6	1099.4	1102.2	1099.4
12.5°	1080.2	1087.2	1094.2	1092.1	1087.1	1085.0	1085.8	1087.2	1090.3	1093.4	1090.3
15°	1062.9	1069.9	1076.9	1074.9	1070.0	1068.1	1069.2	1070.7	1073.4	1076.2	1073.4
17.5°	1041.9	1048.5	1055.1	1053.3	1048.8	1047.1	1048.3	1049.8	1052.2	1054.7	1052.2
20°	1027.5	1033.8	1040.1	1038.2	1033.7	1031.6	1031.9	1032.8	1035.2	1037.7	1035.2
22.5°	1009.8	1016.1	1022.4	1020.8	1016.5	1014.0	1013.3	1013.4	1016.4	1019.4	1016.4
25°	980.3	986.6	992.9	991.5	987.7	985.2	984.2	984.0	986.5	988.9	986.5
27.5°	949.4	954.7	959.9	958.8	955.6	953.6	952.9	952.9	954.6	956.3	954.6
30°	926.8	932.0	937.3	935.9	932.4	930.4	929.7	929.6	931.3	933.1	931.3
32.5°	902.9	907.8	912.8	911.0	906.9	904.8	904.7	905.1	907.1	909.1	907.1
35°	865.4	869.6	873.8	872.0	868.1	866.4	866.7	867.4	869.2	870.9	869.2
37.5°	827.8	831.0	834.2	832.4	828.8	827.0	826.9	827.2	828.7	830.2	828.7
40°	800.1	803.6	807.1	805.1	801.2	799.1	798.8	799.0	800.7	802.5	800.7
42.5°	771.8	774.4	777.1	775.3	772.0	770.5	770.7	771.1	772.0	772.9	772.0
45°	727.7	730.2	732.6	730.9	727.7	726.2	726.2	726.3	727.0	727.7	727.0
47.5°	681.6	683.5	685.4	684.0	681.6	680.2	679.7	679.7	680.8	681.9	680.8
50°	648.3	650.7	653.2	651.9	649.5	647.9	647.2	647.0	648.4	649.8	648.4
52.5°	615.5	618.3	621.0	619.8	617.4	615.7	614.7	614.2	615.4	616.5	615.4
55°	564.9	568.0	571.2	570.4	568.3	566.5	565.1	564.3	565.0	565.7	565.0
57.5°	513.1	516.2	519.3	518.7	516.8	515.1	513.4	512.4	513.4	514.4	513.4
60°	479.1	481.9	484.7	483.8	481.7	480.0	478.6	477.7	478.4	479.1	478.4
62.5°	444.5	447.3	450.1	449.0	446.6	444.7	443.3	442.5	443.2	443.9	443.2
65°	391.8	394.2	396.7	395.7	393.6	391.9	390.5	389.5	389.9	390.2	389.9
67.5°	338.6	340.7	342.8	341.8	339.8	337.8	335.7	334.3	334.9	335.5	334.9
70°	302.1	304.2	306.3	305.5	303.8	302.0	300.3	299.0	299.0	299.0	299.0
72.5°	266.9	268.7	270.5	269.4	267.4	265.7	264.2	263.1	263.1	263.1	263.1
75°	213.2	214.3	215.3	214.8	213.7	212.3	210.6	209.2	208.8	208.5	208.8
77.5°	161.4	161.4	161.4	160.4	159.1	157.8	156.5	155.4	154.9	154.5	154.9
80°	127.5	127.5	127.5	126.7	125.6	124.6	123.5	122.6	121.9	121.2	121.9
82.5°	96.0	95.4	94.9	93.9	92.9	91.6	89.9	88.9	89.6	90.3	89.6
85°	51.1	50.4	49.7	48.8	47.7	46.5	45.1	44.0	43.6	43.3	43.6
87.5°	15.7	15.2	14.6	13.8	13.0	12.0	10.9	10.0	9.7	9.4	9.7
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: P1427662

CATALOG NUMBER: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1115.4	1114.4	1113.3	1115.1	1119.9	1122.1	1116.8	1111.5	1116.8	1122.1	1119.9
5°	1111.7	1110.3	1109.6	1112.1	1117.7	1120.1	1113.1	1106.1	1113.1	1120.1	1117.7
7.5°	1103.7	1102.2	1101.4	1103.6	1108.9	1111.2	1104.2	1097.2	1104.2	1111.2	1108.9
10°	1096.6	1094.9	1093.5	1095.6	1101.2	1103.6	1096.6	1089.6	1096.6	1103.6	1101.2
12.5°	1087.2	1085.8	1085.0	1087.1	1092.1	1094.2	1087.2	1080.2	1087.2	1094.2	1092.1
15°	1070.7	1069.2	1068.1	1070.0	1074.9	1076.9	1069.9	1062.9	1069.9	1076.9	1074.9
17.5°	1049.8	1048.3	1047.1	1048.8	1053.3	1055.1	1048.5	1041.9	1048.5	1055.1	1053.3
20°	1032.8	1031.9	1031.6	1033.7	1038.2	1040.1	1033.8	1027.5	1033.8	1040.1	1038.2
22.5°	1013.4	1013.3	1014.0	1016.5	1020.8	1022.4	1016.1	1009.8	1016.1	1022.4	1020.8
25°	984.0	984.2	985.2	987.7	991.5	992.9	986.6	980.3	986.6	992.9	991.5
27.5°	952.9	952.9	953.6	955.6	958.8	959.9	954.7	949.4	954.7	959.9	958.8
30°	929.6	929.7	930.4	932.4	935.9	937.3	932.0	926.8	932.0	937.3	935.9
32.5°	905.1	904.7	904.8	906.9	911.0	912.8	907.8	902.9	907.8	912.8	911.0
35°	867.4	866.7	866.4	868.1	872.0	873.8	869.6	865.4	869.6	873.8	872.0
37.5°	827.2	826.9	827.0	828.8	832.4	834.2	831.0	827.8	831.0	834.2	832.4
40°	799.0	798.8	799.1	801.2	805.1	807.1	803.6	800.1	803.6	807.1	805.1
42.5°	771.1	770.7	770.5	772.0	775.3	777.1	774.4	771.8	774.4	777.1	775.3
45°	726.3	726.2	726.2	727.7	730.9	732.6	730.2	727.7	730.2	732.6	730.9
47.5°	679.7	679.7	680.2	681.6	684.0	685.4	683.5	681.6	683.5	685.4	684.0
50°	647.0	647.2	647.9	649.5	651.9	653.2	650.7	648.3	650.7	653.2	651.9
52.5°	614.2	614.7	615.7	617.4	619.8	621.0	618.3	615.5	618.3	621.0	619.8
55°	564.3	565.1	566.5	568.3	570.4	571.2	568.0	564.9	568.0	571.2	570.4
57.5°	512.4	513.4	515.1	516.8	518.7	519.3	516.2	513.1	516.2	519.3	518.7
60°	477.7	478.6	480.0	481.7	483.8	484.7	481.9	479.1	481.9	484.7	483.8
62.5°	442.5	443.3	444.7	446.6	449.0	450.1	447.3	444.5	447.3	450.1	449.0
65°	389.5	390.5	391.9	393.6	395.7	396.7	394.2	391.8	394.2	396.7	395.7
67.5°	334.3	335.7	337.8	339.8	341.8	342.8	340.7	338.6	340.7	342.8	341.8
70°	299.0	300.3	302.0	303.8	305.5	306.3	304.2	302.1	304.2	306.3	305.5
72.5°	263.1	264.2	265.7	267.4	269.4	270.5	268.7	266.9	268.7	270.5	269.4
75°	209.2	210.6	212.3	213.7	214.8	215.3	214.3	213.2	214.3	215.3	214.8
77.5°	155.4	156.5	157.8	159.1	160.4	161.4	161.4	161.4	161.4	161.4	160.4
80°	122.6	123.5	124.6	125.6	126.7	127.5	127.5	127.5	127.5	127.5	126.7
82.5°	88.9	89.9	91.6	92.9	93.9	94.9	95.4	96.0	95.4	94.9	93.9
85°	44.0	45.1	46.5	47.7	48.8	49.7	50.4	51.1	50.4	49.7	48.8
87.5°	10.0	10.9	12.0	13.0	13.8	14.6	15.2	15.7	15.2	14.6	13.8
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: P1427662

CATALOG NUMBER: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1115.1	1113.3	1114.4	1115.4	1116.0	1116.5	1116.0	1115.4	1114.4	1113.3	1115.1
5°	1112.1	1109.6	1110.3	1111.7	1115.2	1118.7	1115.2	1111.7	1110.3	1109.6	1112.1
7.5°	1103.6	1101.4	1102.2	1103.7	1107.4	1111.0	1107.4	1103.7	1102.2	1101.4	1103.6
10°	1095.6	1093.5	1094.9	1096.6	1099.4	1102.2	1099.4	1096.6	1094.9	1093.5	1095.6
12.5°	1087.1	1085.0	1085.8	1087.2	1090.3	1093.4	1090.3	1087.2	1085.8	1085.0	1087.1
15°	1070.0	1068.1	1069.2	1070.7	1073.4	1076.2	1073.4	1070.7	1069.2	1068.1	1070.0
17.5°	1048.8	1047.1	1048.3	1049.8	1052.2	1054.7	1052.2	1049.8	1048.3	1047.1	1048.8
20°	1033.7	1031.6	1031.9	1032.8	1035.2	1037.7	1035.2	1032.8	1031.9	1031.6	1033.7
22.5°	1016.5	1014.0	1013.3	1013.4	1016.4	1019.4	1016.4	1013.4	1013.3	1014.0	1016.5
25°	987.7	985.2	984.2	984.0	986.5	988.9	986.5	984.0	984.2	985.2	987.7
27.5°	955.6	953.6	952.9	952.9	954.6	956.3	954.6	952.9	952.9	953.6	955.6
30°	932.4	930.4	929.7	929.6	931.3	933.1	931.3	929.6	929.7	930.4	932.4
32.5°	906.9	904.8	904.7	905.1	907.1	909.1	907.1	905.1	904.7	904.8	906.9
35°	868.1	866.4	866.7	867.4	869.2	870.9	869.2	867.4	866.7	866.4	868.1
37.5°	828.8	827.0	826.9	827.2	828.7	830.2	828.7	827.2	826.9	827.0	828.8
40°	801.2	799.1	798.8	799.0	800.7	802.5	800.7	799.0	798.8	799.1	801.2
42.5°	772.0	770.5	770.7	771.1	772.0	772.9	772.0	771.1	770.7	770.5	772.0
45°	727.7	726.2	726.2	726.3	727.0	727.7	727.0	726.3	726.2	726.2	727.7
47.5°	681.6	680.2	679.7	679.7	680.8	681.9	680.8	679.7	679.7	680.2	681.6
50°	649.5	647.9	647.2	647.0	648.4	649.8	648.4	647.0	647.2	647.9	649.5
52.5°	617.4	615.7	614.7	614.2	615.4	616.5	615.4	614.2	614.7	615.7	617.4
55°	568.3	566.5	565.1	564.3	565.0	565.7	565.0	564.3	565.1	566.5	568.3
57.5°	516.8	515.1	513.4	512.4	513.4	514.4	513.4	512.4	513.4	515.1	516.8
60°	481.7	480.0	478.6	477.7	478.4	479.1	478.4	477.7	478.6	480.0	481.7
62.5°	446.6	444.7	443.3	442.5	443.2	443.9	443.2	442.5	443.3	444.7	446.6
65°	393.6	391.9	390.5	389.5	389.9	390.2	389.9	389.5	390.5	391.9	393.6
67.5°	339.8	337.8	335.7	334.3	334.9	335.5	334.9	334.3	335.7	337.8	339.8
70°	303.8	302.0	300.3	299.0	299.0	299.0	299.0	299.0	300.3	302.0	303.8
72.5°	267.4	265.7	264.2	263.1	263.1	263.1	263.1	263.1	264.2	265.7	267.4
75°	213.7	212.3	210.6	209.2	208.8	208.5	208.8	209.2	210.6	212.3	213.7
77.5°	159.1	157.8	156.5	155.4	154.9	154.5	154.9	155.4	156.5	157.8	159.1
80°	125.6	124.6	123.5	122.6	121.9	121.2	121.9	122.6	123.5	124.6	125.6
82.5°	92.9	91.6	89.9	88.9	89.6	90.3	89.6	88.9	89.9	91.6	92.9
85°	47.7	46.5	45.1	44.0	43.6	43.3	43.6	44.0	45.1	46.5	47.7
87.5°	13.0	12.0	10.9	10.0	9.7	9.4	9.7	10.0	10.9	12.0	13.0
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: P1427662

CATALOG NUMBER: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1117.2	1117.2	1117.2	1117.2
2.5°	1119.9	1122.1	1116.8	1111.5
5°	1117.7	1120.1	1113.1	1106.1
7.5°	1108.9	1111.2	1104.2	1097.2
10°	1101.2	1103.6	1096.6	1089.6
12.5°	1092.1	1094.2	1087.2	1080.2
15°	1074.9	1076.9	1069.9	1062.9
17.5°	1053.3	1055.1	1048.5	1041.9
20°	1038.2	1040.1	1033.8	1027.5
22.5°	1020.8	1022.4	1016.1	1009.8
25°	991.5	992.9	986.6	980.3
27.5°	958.8	959.9	954.7	949.4
30°	935.9	937.3	932.0	926.8
32.5°	911.0	912.8	907.8	902.9
35°	872.0	873.8	869.6	865.4
37.5°	832.4	834.2	831.0	827.8
40°	805.1	807.1	803.6	800.1
42.5°	775.3	777.1	774.4	771.8
45°	730.9	732.6	730.2	727.7
47.5°	684.0	685.4	683.5	681.6
50°	651.9	653.2	650.7	648.3
52.5°	619.8	621.0	618.3	615.5
55°	570.4	571.2	568.0	564.9
57.5°	518.7	519.3	516.2	513.1
60°	483.8	484.7	481.9	479.1
62.5°	449.0	450.1	447.3	444.5
65°	395.7	396.7	394.2	391.8
67.5°	341.8	342.8	340.7	338.6
70°	305.5	306.3	304.2	302.1
72.5°	269.4	270.5	268.7	266.9
75°	214.8	215.3	214.3	213.2
77.5°	160.4	161.4	161.4	161.4
80°	126.7	127.5	127.5	127.5
82.5°	93.9	94.9	95.4	96.0
85°	48.8	49.7	50.4	51.1
87.5°	13.8	14.6	15.2	15.7
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427662
 CATALOG NUMBER: SQ2W-F-0U-075D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	21.71	23.35	22.08	23.67	23.98	21.63	23.27	21.99	23.58	23.90
	3H	23.55	25.04	23.93	25.37	25.73	23.45	24.94	23.83	25.26	25.62
	4H	24.28	25.68	24.68	26.03	26.41	24.17	25.57	24.57	25.92	26.29
	6H	24.76	26.06	25.17	26.42	26.81	24.62	25.92	25.03	26.28	26.67
	8H	24.94	26.18	25.36	26.57	26.97	24.78	26.02	25.21	26.41	26.81
	12H	25.05	26.24	25.48	26.62	27.05	24.87	26.06	25.30	26.44	26.87
4H	2H	22.38	23.78	22.78	24.13	24.50	22.31	23.71	22.71	24.06	24.43
	3H	24.46	25.64	24.87	26.04	26.44	24.37	25.55	24.78	25.94	26.34
	4H	25.31	26.37	25.74	26.79	27.22	25.20	26.26	25.63	26.68	27.11
	6H	25.91	26.84	26.36	27.28	27.73	25.77	26.70	26.22	27.14	27.59
	8H	26.14	27.01	26.60	27.45	27.92	25.98	26.85	26.44	27.29	27.76
	12H	26.29	27.07	26.77	27.55	28.02	26.10	26.89	26.58	27.36	27.83
8H	4H	25.62	26.49	26.08	26.93	27.39	25.52	26.39	25.98	26.83	27.30
	6H	26.34	27.06	26.83	27.55	28.03	26.21	26.93	26.70	27.42	27.89
	8H	26.65	27.30	27.16	27.81	28.29	26.50	27.15	27.01	27.65	28.14
	12H	26.87	27.45	27.38	27.94	28.50	26.68	27.26	27.19	27.75	28.31
12H	4H	25.65	26.43	26.13	26.91	27.37	25.56	26.34	26.03	26.81	27.28
	6H	26.40	27.05	26.90	27.55	28.04	26.27	26.92	26.78	27.43	27.91
	8H	26.77	27.34	27.27	27.83	28.39	26.62	27.19	27.12	27.68	28.24