

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435892

Luminaire Tested: SQ2W-FB-0U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435892
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-0U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

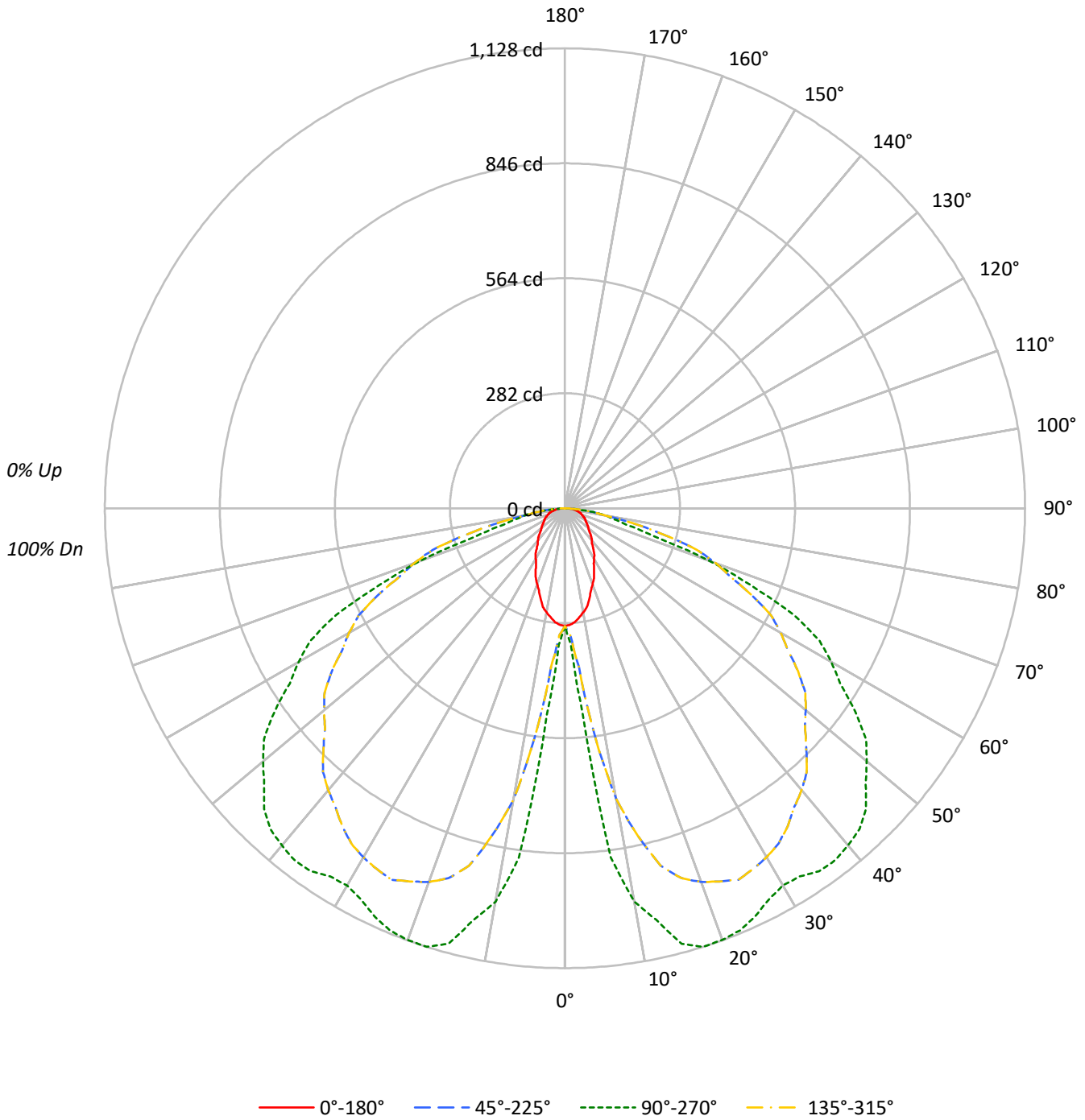
Lumens per Lamp: N/A
Luminaire Lumens: 2850.3 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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

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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	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	23	49	37	29	23	36	28	23	35	28	23	34	28	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4660	4660	4660	4660
5°	4543	8253	4543	8253
10°	4254	16060	4254	16060
15°	3849	18484	3849	18484
20°	3409	19357	3409	19357
25°	3016	19674	3016	19674
30°	2664	19918	2664	19918
35°	2379	21413	2379	21413
40°	2165	22752	2165	22752
45°	1996	23824	1996	23824
50°	1881	24256	1881	24256
55°	1835	24450	1835	24450
60°	1883	24328	1883	24328
65°	1960	23640	1960	23640
70°	2030	17882	2030	17882
75°	2252	9869	2252	9869
80°	2324	9158	2324	9158
85°	2316	3853	2316	3853

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 24671 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	1.7
10°-20°	220.6	7.7
20°-30°	388.2	13.6
30°-40°	502.5	17.6
40°-50°	554.2	19.4
50°-60°	517.3	18.1
60°-70°	399.6	14.0
70°-80°	184.2	6.5
80°-90°	35.2	1.2
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°	657.2	23.1
0°-40°	1159.7	40.7
0°-60°	2231.2	78.3
0°-90°	2850.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2850.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	289	289	289	289	289	
5°	280	509	280	509	280	26
15°	230	1106	230	1106	230	64
25°	169	1104	169	1104	169	78
35°	121	1086	121	1086	121	76
45°	87	1043	87	1043	87	68
55°	65	869	65	869	65	59
65°	51	619	51	619	51	50
75°	36	158	36	158	36	37
85°	12	21	12	21	12	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	286.4	291.8	297.2	303.0	308.9	315.4	322.3	328.2	331.1	334.1	331.1
5°	280.3	298.8	317.3	344.1	373.7	407.3	444.9	477.1	493.2	509.2	493.2
7.5°	269.4	307.1	344.7	424.4	518.1	615.4	716.3	800.0	832.0	864.1	832.0
10°	259.5	311.9	364.3	499.5	662.3	787.5	875.0	945.0	962.3	979.6	962.3
12.5°	248.4	319.5	390.7	557.6	756.4	886.5	947.9	998.4	1016.2	1033.9	1016.2
15°	230.3	332.1	433.8	622.5	840.2	974.0	1024.0	1066.3	1086.1	1105.8	1086.1
17.5°	211.7	347.1	482.6	675.1	886.6	1017.0	1066.5	1106.3	1117.0	1127.7	1117.0
20°	198.4	357.5	516.6	709.5	913.6	1036.9	1079.5	1113.1	1119.8	1126.6	1119.8
22.5°	186.2	364.0	541.9	735.0	933.2	1048.4	1080.6	1106.5	1113.8	1121.1	1113.8
25°	169.3	369.7	570.1	762.6	952.6	1057.7	1078.1	1094.6	1099.5	1104.4	1099.5
27.5°	152.9	364.7	576.4	766.5	949.4	1047.5	1060.9	1072.1	1076.9	1081.7	1076.9
30°	142.9	358.1	573.3	761.7	941.2	1035.8	1045.7	1054.8	1061.6	1068.4	1061.6
32.5°	134.0	350.2	566.4	752.5	928.5	1021.1	1030.5	1041.2	1055.9	1070.6	1055.9
35°	120.7	333.5	546.2	730.3	904.8	999.4	1014.2	1032.1	1059.3	1086.4	1059.3
37.5°	109.3	312.0	514.6	696.8	872.2	975.3	1006.3	1036.0	1062.2	1088.3	1062.2
40°	102.7	296.9	491.2	672.0	848.4	957.2	998.5	1035.1	1057.3	1079.5	1057.3
42.5°	96.0	279.9	463.8	643.1	821.0	934.0	982.2	1024.0	1046.2	1068.4	1046.2
45°	87.4	252.7	417.9	595.7	777.6	896.9	953.7	1001.4	1022.4	1043.4	1022.4
47.5°	79.4	222.9	366.5	545.0	735.2	860.4	920.5	969.5	984.8	1000.1	984.8
50°	74.9	203.2	331.5	510.6	706.7	834.3	893.5	941.0	953.3	965.7	953.3
52.5°	70.5	183.9	297.4	476.9	678.4	807.1	862.8	907.5	918.8	930.2	918.8
55°	65.2	157.7	250.2	427.8	633.8	761.1	809.8	848.8	858.7	868.6	858.7
57.5°	60.5	135.1	209.7	381.7	586.2	709.2	750.8	784.0	792.0	800.0	792.0
60°	58.3	123.0	187.8	352.9	551.4	669.5	707.1	737.4	745.4	753.4	745.4
62.5°	54.9	111.3	167.7	324.0	513.7	625.9	660.5	688.4	695.9	703.4	695.9
65°	51.3	97.0	142.6	283.5	456.2	557.0	586.0	608.9	613.9	618.8	613.9
67.5°	46.3	85.1	123.8	246.4	397.0	481.3	499.3	510.5	501.2	492.0	501.2
70°	43.0	78.8	114.5	223.8	357.7	427.6	433.8	431.8	405.3	378.8	405.3
72.5°	40.8	72.6	104.4	199.1	314.6	365.6	352.0	329.3	279.1	228.9	279.1
75°	36.1	62.0	87.9	159.1	245.4	259.0	199.8	155.7	156.9	158.2	156.9
77.5°	29.4	48.8	68.1	111.9	163.8	174.1	142.8	119.6	120.7	121.8	120.7
80°	25.0	40.4	55.8	73.1	91.0	99.3	98.0	97.3	97.9	98.5	97.9
82.5°	20.5	32.0	43.5	53.8	63.8	69.4	70.7	71.4	70.5	69.7	70.5
85°	12.5	19.3	26.1	30.1	33.1	32.2	27.3	23.3	22.0	20.8	22.0
87.5°	4.4	6.9	9.4	8.5	6.5	5.5	5.5	5.5	5.5	5.5	5.5
90°	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):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	328.2	322.3	315.4	308.9	303.0	297.2	291.8	286.4	291.8	297.2	303.0
5°	477.1	444.9	407.3	373.7	344.1	317.3	298.8	280.3	298.8	317.3	344.1
7.5°	800.0	716.3	615.4	518.1	424.4	344.7	307.1	269.4	307.1	344.7	424.4
10°	945.0	875.0	787.5	662.3	499.5	364.3	311.9	259.5	311.9	364.3	499.5
12.5°	998.4	947.9	886.5	756.4	557.6	390.7	319.5	248.4	319.5	390.7	557.6
15°	1066.3	1024.0	974.0	840.2	622.5	433.8	332.1	230.3	332.1	433.8	622.5
17.5°	1106.3	1066.5	1017.0	886.6	675.1	482.6	347.1	211.7	347.1	482.6	675.1
20°	1113.1	1079.5	1036.9	913.6	709.5	516.6	357.5	198.4	357.5	516.6	709.5
22.5°	1106.5	1080.6	1048.4	933.2	735.0	541.9	364.0	186.2	364.0	541.9	735.0
25°	1094.6	1078.1	1057.7	952.6	762.6	570.1	369.7	169.3	369.7	570.1	762.6
27.5°	1072.1	1060.9	1047.5	949.4	766.5	576.4	364.7	152.9	364.7	576.4	766.5
30°	1054.8	1045.7	1035.8	941.2	761.7	573.3	358.1	142.9	358.1	573.3	761.7
32.5°	1041.2	1030.5	1021.1	928.5	752.5	566.4	350.2	134.0	350.2	566.4	752.5
35°	1032.1	1014.2	999.4	904.8	730.3	546.2	333.5	120.7	333.5	546.2	730.3
37.5°	1036.0	1006.3	975.3	872.2	696.8	514.6	312.0	109.3	312.0	514.6	696.8
40°	1035.1	998.5	957.2	848.4	672.0	491.2	296.9	102.7	296.9	491.2	672.0
42.5°	1024.0	982.2	934.0	821.0	643.1	463.8	279.9	96.0	279.9	463.8	643.1
45°	1001.4	953.7	896.9	777.6	595.7	417.9	252.7	87.4	252.7	417.9	595.7
47.5°	969.5	920.5	860.4	735.2	545.0	366.5	222.9	79.4	222.9	366.5	545.0
50°	941.0	893.5	834.3	706.7	510.6	331.5	203.2	74.9	203.2	331.5	510.6
52.5°	907.5	862.8	807.1	678.4	476.9	297.4	183.9	70.5	183.9	297.4	476.9
55°	848.8	809.8	761.1	633.8	427.8	250.2	157.7	65.2	157.7	250.2	427.8
57.5°	784.0	750.8	709.2	586.2	381.7	209.7	135.1	60.5	135.1	209.7	381.7
60°	737.4	707.1	669.5	551.4	352.9	187.8	123.0	58.3	123.0	187.8	352.9
62.5°	688.4	660.5	625.9	513.7	324.0	167.7	111.3	54.9	111.3	167.7	324.0
65°	608.9	586.0	557.0	456.2	283.5	142.6	97.0	51.3	97.0	142.6	283.5
67.5°	510.5	499.3	481.3	397.0	246.4	123.8	85.1	46.3	85.1	123.8	246.4
70°	431.8	433.8	427.6	357.7	223.8	114.5	78.8	43.0	78.8	114.5	223.8
72.5°	329.3	352.0	365.6	314.6	199.1	104.4	72.6	40.8	72.6	104.4	199.1
75°	155.7	199.8	259.0	245.4	159.1	87.9	62.0	36.1	62.0	87.9	159.1
77.5°	119.6	142.8	174.1	163.8	111.9	68.1	48.8	29.4	48.8	68.1	111.9
80°	97.3	98.0	99.3	91.0	73.1	55.8	40.4	25.0	40.4	55.8	73.1
82.5°	71.4	70.7	69.4	63.8	53.8	43.5	32.0	20.5	32.0	43.5	53.8
85°	23.3	27.3	32.2	33.1	30.1	26.1	19.3	12.5	19.3	26.1	30.1
87.5°	5.5	5.5	5.5	6.5	8.5	9.4	6.9	4.4	6.9	9.4	8.5
90°	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):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	308.9	315.4	322.3	328.2	331.1	334.1	331.1	328.2	322.3	315.4	308.9
5°	373.7	407.3	444.9	477.1	493.2	509.2	493.2	477.1	444.9	407.3	373.7
7.5°	518.1	615.4	716.3	800.0	832.0	864.1	832.0	800.0	716.3	615.4	518.1
10°	662.3	787.5	875.0	945.0	962.3	979.6	962.3	945.0	875.0	787.5	662.3
12.5°	756.4	886.5	947.9	998.4	1016.2	1033.9	1016.2	998.4	947.9	886.5	756.4
15°	840.2	974.0	1024.0	1066.3	1086.1	1105.8	1086.1	1066.3	1024.0	974.0	840.2
17.5°	886.6	1017.0	1066.5	1106.3	1117.0	1127.7	1117.0	1106.3	1066.5	1017.0	886.6
20°	913.6	1036.9	1079.5	1113.1	1119.8	1126.6	1119.8	1113.1	1079.5	1036.9	913.6
22.5°	933.2	1048.4	1080.6	1106.5	1113.8	1121.1	1113.8	1106.5	1080.6	1048.4	933.2
25°	952.6	1057.7	1078.1	1094.6	1099.5	1104.4	1099.5	1094.6	1078.1	1057.7	952.6
27.5°	949.4	1047.5	1060.9	1072.1	1076.9	1081.7	1076.9	1072.1	1060.9	1047.5	949.4
30°	941.2	1035.8	1045.7	1054.8	1061.6	1068.4	1061.6	1054.8	1045.7	1035.8	941.2
32.5°	928.5	1021.1	1030.5	1041.2	1055.9	1070.6	1055.9	1041.2	1030.5	1021.1	928.5
35°	904.8	999.4	1014.2	1032.1	1059.3	1086.4	1059.3	1032.1	1014.2	999.4	904.8
37.5°	872.2	975.3	1006.3	1036.0	1062.2	1088.3	1062.2	1036.0	1006.3	975.3	872.2
40°	848.4	957.2	998.5	1035.1	1057.3	1079.5	1057.3	1035.1	998.5	957.2	848.4
42.5°	821.0	934.0	982.2	1024.0	1046.2	1068.4	1046.2	1024.0	982.2	934.0	821.0
45°	777.6	896.9	953.7	1001.4	1022.4	1043.4	1022.4	1001.4	953.7	896.9	777.6
47.5°	735.2	860.4	920.5	969.5	984.8	1000.1	984.8	969.5	920.5	860.4	735.2
50°	706.7	834.3	893.5	941.0	953.3	965.7	953.3	941.0	893.5	834.3	706.7
52.5°	678.4	807.1	862.8	907.5	918.8	930.2	918.8	907.5	862.8	807.1	678.4
55°	633.8	761.1	809.8	848.8	858.7	868.6	858.7	848.8	809.8	761.1	633.8
57.5°	586.2	709.2	750.8	784.0	792.0	800.0	792.0	784.0	750.8	709.2	586.2
60°	551.4	669.5	707.1	737.4	745.4	753.4	745.4	737.4	707.1	669.5	551.4
62.5°	513.7	625.9	660.5	688.4	695.9	703.4	695.9	688.4	660.5	625.9	513.7
65°	456.2	557.0	586.0	608.9	613.9	618.8	613.9	608.9	586.0	557.0	456.2
67.5°	397.0	481.3	499.3	510.5	501.2	492.0	501.2	510.5	499.3	481.3	397.0
70°	357.7	427.6	433.8	431.8	405.3	378.8	405.3	431.8	433.8	427.6	357.7
72.5°	314.6	365.6	352.0	329.3	279.1	228.9	279.1	329.3	352.0	365.6	314.6
75°	245.4	259.0	199.8	155.7	156.9	158.2	156.9	155.7	199.8	259.0	245.4
77.5°	163.8	174.1	142.8	119.6	120.7	121.8	120.7	119.6	142.8	174.1	163.8
80°	91.0	99.3	98.0	97.3	97.9	98.5	97.9	97.3	98.0	99.3	91.0
82.5°	63.8	69.4	70.7	71.4	70.5	69.7	70.5	71.4	70.7	69.4	63.8
85°	33.1	32.2	27.3	23.3	22.0	20.8	22.0	23.3	27.3	32.2	33.1
87.5°	6.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.5
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: P1435892

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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	288.6	288.6	288.6	288.6
2.5°	303.0	297.2	291.8	286.4
5°	344.1	317.3	298.8	280.3
7.5°	424.4	344.7	307.1	269.4
10°	499.5	364.3	311.9	259.5
12.5°	557.6	390.7	319.5	248.4
15°	622.5	433.8	332.1	230.3
17.5°	675.1	482.6	347.1	211.7
20°	709.5	516.6	357.5	198.4
22.5°	735.0	541.9	364.0	186.2
25°	762.6	570.1	369.7	169.3
27.5°	766.5	576.4	364.7	152.9
30°	761.7	573.3	358.1	142.9
32.5°	752.5	566.4	350.2	134.0
35°	730.3	546.2	333.5	120.7
37.5°	696.8	514.6	312.0	109.3
40°	672.0	491.2	296.9	102.7
42.5°	643.1	463.8	279.9	96.0
45°	595.7	417.9	252.7	87.4
47.5°	545.0	366.5	222.9	79.4
50°	510.6	331.5	203.2	74.9
52.5°	476.9	297.4	183.9	70.5
55°	427.8	250.2	157.7	65.2
57.5°	381.7	209.7	135.1	60.5
60°	352.9	187.8	123.0	58.3
62.5°	324.0	167.7	111.3	54.9
65°	283.5	142.6	97.0	51.3
67.5°	246.4	123.8	85.1	46.3
70°	223.8	114.5	78.8	43.0
72.5°	199.1	104.4	72.6	40.8
75°	159.1	87.9	62.0	36.1
77.5°	111.9	68.1	48.8	29.4
80°	73.1	55.8	40.4	25.0
82.5°	53.8	43.5	32.0	20.5
85°	30.1	26.1	19.3	12.5
87.5°	8.5	9.4	6.9	4.4
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1435892

CATALOG NUMBER: SQ2W-FB-0U-075D-L930-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	15.28	16.97	15.65	17.28	17.60	24.88	26.57	25.25	26.88	27.19
	3H	16.28	17.81	16.66	18.13	18.49	26.55	28.07	26.92	28.40	28.76
	4H	16.72	18.15	17.11	18.50	18.87	26.76	28.19	27.16	28.54	28.92
	6H	17.01	18.34	17.42	18.71	19.10	26.88	28.21	27.29	28.57	28.96
	8H	17.13	18.40	17.55	18.79	19.19	26.92	28.19	27.34	28.58	28.98
	12H	17.21	18.42	17.63	18.80	19.23	26.92	28.14	27.35	28.52	28.95
4H	2H	20.10	21.54	20.50	21.88	22.26	25.34	26.78	25.74	27.13	27.50
	3H	21.30	22.51	21.71	22.90	23.30	27.31	28.51	27.71	28.90	29.30
	4H	21.62	22.71	22.05	23.12	23.55	27.56	28.65	27.99	29.06	29.49
	6H	21.81	22.75	22.26	23.19	23.65	27.74	28.69	28.20	29.13	29.58
	8H	21.87	22.75	22.32	23.19	23.66	27.81	28.69	28.27	29.14	29.60
	12H	21.91	22.70	22.39	23.18	23.65	27.83	28.63	28.31	29.10	29.57
8H	4H	22.88	23.77	23.34	24.21	24.67	27.72	28.61	28.18	29.05	29.51
	6H	23.18	23.91	23.67	24.40	24.87	27.96	28.69	28.45	29.18	29.65
	8H	23.29	23.94	23.80	24.45	24.94	28.06	28.72	28.57	29.22	29.71
	12H	23.37	23.95	23.88	24.44	25.00	28.10	28.68	28.61	29.17	29.73
12H	4H	22.95	23.74	23.43	24.22	24.69	27.72	28.51	28.19	28.98	29.45
	6H	23.30	23.95	23.80	24.46	24.94	27.95	28.61	28.46	29.11	29.60
	8H	23.47	24.05	23.98	24.54	25.10	28.09	28.67	28.60	29.16	29.72