

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: P1428159

Luminaire Tested: SQ2W-PR1-0U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428159
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-0U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

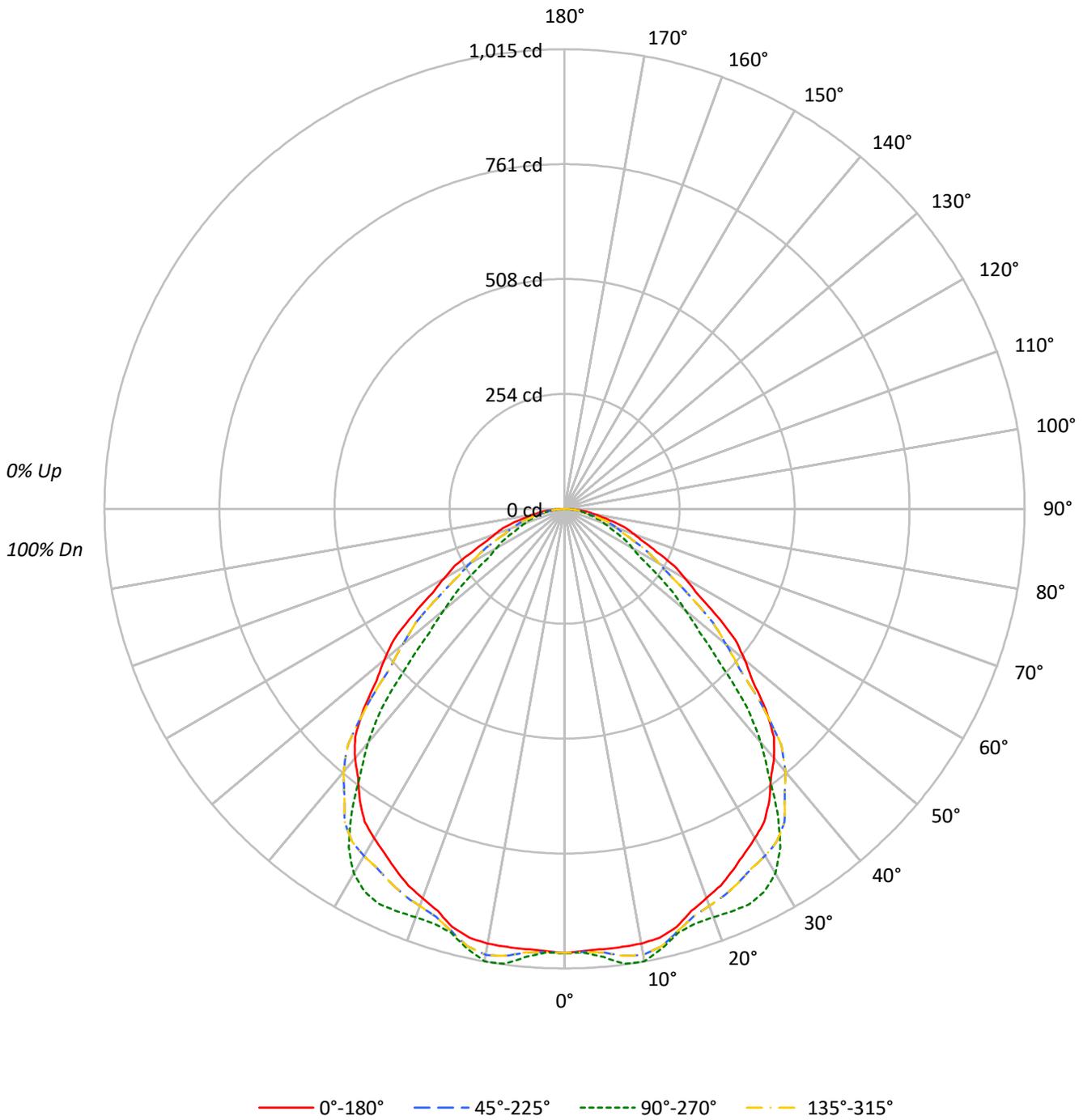
Lumens per Lamp: N/A
Luminaire Lumens: 2360.1 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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

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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	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	90	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	80	77	75
3	93	84	77	71	91	82	76	70	80	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	66	61	72	65	60	69	64	59	67	62	58	56
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15839	15839	15839	15839
5°	15818	16110	15818	16110
10°	15985	16641	15985	16641
15°	15980	16197	15980	16197
20°	15721	16494	15721	16494
25°	15677	17173	15677	17173
30°	15660	17338	15660	17338
35°	15512	16143	15512	16143
40°	15154	14206	15154	14206
45°	14339	11234	14339	11234
50°	13036	8716	13036	8716
55°	11457	6784	11457	6784
60°	9913	5586	9913	5586
65°	8558	4890	8558	4890
70°	7695	4343	7695	4343
75°	7049	3992	7049	3992
80°	6137	3905	6137	3905
85°	4446	1852	4446	1852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 15394 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	4.0
10°-20°	274.3	11.6
20°-30°	423.9	18.0
30°-40°	509.8	21.6
40°-50°	457.8	19.4
50°-60°	306.8	13.0
60°-70°	178.5	7.6
70°-80°	91.7	3.9
80°-90°	22.6	1.0
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°	792.9	33.6
0°-40°	1302.8	55.2
0°-60°	2067.4	87.6
0°-90°	2360.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2360.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	981	981	981	981	981	
5°	976	994	976	994	976	93
15°	956	969	956	969	956	268
25°	880	964	880	964	880	406
35°	787	819	787	819	787	491
45°	628	492	628	492	628	480
55°	407	241	407	241	407	366
65°	224	128	224	128	224	227
75°	113	64	113	64	113	120
85°	24	10	24	10	24	31
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°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	977.0	982.3	987.7	985.3	980.3	978.0	978.3	978.9	979.9	981.0	979.9
5°	976.0	983.6	991.1	989.3	984.5	982.5	983.3	985.1	989.6	994.0	989.6
7.5°	975.8	986.6	997.3	998.1	995.7	995.7	998.3	1001.7	1007.5	1013.4	1007.5
10°	975.0	987.9	1000.8	1002.7	1000.9	1000.2	1000.7	1002.6	1008.8	1015.0	1008.8
12.5°	970.2	985.2	1000.3	998.7	991.6	987.7	987.1	987.5	990.8	994.2	990.8
15°	956.0	973.8	991.6	984.3	968.8	961.7	963.0	964.6	966.8	969.0	966.8
17.5°	931.0	949.6	968.2	961.7	946.8	941.8	946.6	951.3	955.7	960.0	955.7
20°	915.0	933.2	951.5	947.0	935.0	932.1	938.3	944.9	952.5	960.0	952.5
22.5°	900.6	918.8	937.1	934.2	924.3	923.8	932.5	941.6	952.0	962.4	952.0
25°	880.0	896.0	912.0	912.3	907.5	912.3	927.0	940.9	952.5	964.0	952.5
27.5°	858.4	867.8	877.3	883.5	888.6	901.1	920.9	937.8	945.9	954.0	945.9
30°	840.0	846.2	852.5	864.0	877.3	892.7	910.0	923.8	926.9	930.0	926.9
32.5°	820.0	823.7	827.5	843.7	864.2	879.0	888.1	894.0	890.0	886.0	890.0
35°	787.0	790.1	793.2	814.0	840.7	850.5	843.3	835.9	827.5	819.0	827.5
37.5°	747.8	754.2	760.6	777.5	798.0	797.8	777.0	759.0	749.3	739.6	749.3
40°	719.0	729.7	740.3	751.7	763.2	753.5	722.3	696.2	685.1	674.0	685.1
42.5°	683.8	700.9	717.9	720.5	718.2	697.2	657.5	624.4	610.8	597.2	610.8
45°	628.0	651.1	674.2	661.0	635.7	601.4	558.3	522.2	507.1	492.0	507.1
47.5°	562.2	585.9	609.7	584.7	543.6	503.8	465.3	432.9	418.7	404.6	418.7
50°	519.0	538.1	557.2	529.0	485.0	445.0	409.0	378.1	362.6	347.0	362.6
52.5°	475.0	488.8	502.6	474.6	432.7	393.8	357.8	327.3	313.1	299.0	313.1
55°	407.0	414.1	421.2	395.3	358.4	322.9	288.7	260.6	250.8	241.0	250.8
57.5°	344.6	349.1	353.7	329.1	294.9	263.3	234.2	210.6	203.4	196.2	203.4
60°	307.0	310.1	313.2	288.3	254.1	225.7	203.0	184.6	178.8	173.0	178.8
62.5°	272.6	275.0	277.4	253.4	220.6	195.2	177.1	162.5	158.2	153.8	158.2
65°	224.0	226.2	228.4	208.0	180.0	159.1	145.3	134.2	131.1	128.0	131.1
67.5°	185.4	186.6	187.7	170.9	148.0	131.2	120.3	111.5	108.5	105.6	108.5
70°	163.0	163.4	163.9	149.0	129.0	114.1	104.3	96.4	94.2	92.0	94.2
72.5°	143.0	142.4	141.8	128.5	111.0	98.2	90.2	83.8	82.3	80.8	82.3
75°	113.0	111.7	110.3	99.3	85.1	75.3	70.0	65.8	64.9	64.0	64.9
77.5°	84.4	83.0	81.6	72.4	60.7	53.9	52.1	50.8	50.8	50.8	50.8
80°	66.0	64.2	62.4	55.3	46.4	42.0	42.0	42.0	42.0	42.0	42.0
82.5°	49.2	46.7	44.2	39.9	34.9	32.4	32.4	32.3	32.0	31.6	32.0
85°	24.0	21.8	19.6	19.0	19.0	17.7	15.0	12.7	11.3	10.0	11.3
87.5°	6.4	6.4	6.4	5.1	3.3	2.4	2.4	2.4	2.4	2.4	2.4
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°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	978.9	978.3	978.0	980.3	985.3	987.7	982.3	977.0	982.3	987.7	985.3
5°	985.1	983.3	982.5	984.5	989.3	991.1	983.6	976.0	983.6	991.1	989.3
7.5°	1001.7	998.3	995.7	995.7	998.1	997.3	986.6	975.8	986.6	997.3	998.1
10°	1002.6	1000.7	1000.2	1000.9	1002.7	1000.8	987.9	975.0	987.9	1000.8	1002.7
12.5°	987.5	987.1	987.7	991.6	998.7	1000.3	985.2	970.2	985.2	1000.3	998.7
15°	964.6	963.0	961.7	968.8	984.3	991.6	973.8	956.0	973.8	991.6	984.3
17.5°	951.3	946.6	941.8	946.8	961.7	968.2	949.6	931.0	949.6	968.2	961.7
20°	944.9	938.3	932.1	935.0	947.0	951.5	933.2	915.0	933.2	951.5	947.0
22.5°	941.6	932.5	923.8	924.3	934.2	937.1	918.8	900.6	918.8	937.1	934.2
25°	940.9	927.0	912.3	907.5	912.3	912.0	896.0	880.0	896.0	912.0	912.3
27.5°	937.8	920.9	901.1	888.6	883.5	877.3	867.8	858.4	867.8	877.3	883.5
30°	923.8	910.0	892.7	877.3	864.0	852.5	846.2	840.0	846.2	852.5	864.0
32.5°	894.0	888.1	879.0	864.2	843.7	827.5	823.7	820.0	823.7	827.5	843.7
35°	835.9	843.3	850.5	840.7	814.0	793.2	790.1	787.0	790.1	793.2	814.0
37.5°	759.0	777.0	797.8	798.0	777.5	760.6	754.2	747.8	754.2	760.6	777.5
40°	696.2	722.3	753.5	763.2	751.7	740.3	729.7	719.0	729.7	740.3	751.7
42.5°	624.4	657.5	697.2	718.2	720.5	717.9	700.9	683.8	700.9	717.9	720.5
45°	522.2	558.3	601.4	635.7	661.0	674.2	651.1	628.0	651.1	674.2	661.0
47.5°	432.9	465.3	503.8	543.6	584.7	609.7	585.9	562.2	585.9	609.7	584.7
50°	378.1	409.0	445.0	485.0	529.0	557.2	538.1	519.0	538.1	557.2	529.0
52.5°	327.3	357.8	393.8	432.7	474.6	502.6	488.8	475.0	488.8	502.6	474.6
55°	260.6	288.7	322.9	358.4	395.3	421.2	414.1	407.0	414.1	421.2	395.3
57.5°	210.6	234.2	263.3	294.9	329.1	353.7	349.1	344.6	349.1	353.7	329.1
60°	184.6	203.0	225.7	254.1	288.3	313.2	310.1	307.0	310.1	313.2	288.3
62.5°	162.5	177.1	195.2	220.6	253.4	277.4	275.0	272.6	275.0	277.4	253.4
65°	134.2	145.3	159.1	180.0	208.0	228.4	226.2	224.0	226.2	228.4	208.0
67.5°	111.5	120.3	131.2	148.0	170.9	187.7	186.6	185.4	186.6	187.7	170.9
70°	96.4	104.3	114.1	129.0	149.0	163.9	163.4	163.0	163.4	163.9	149.0
72.5°	83.8	90.2	98.2	111.0	128.5	141.8	142.4	143.0	142.4	141.8	128.5
75°	65.8	70.0	75.3	85.1	99.3	110.3	111.7	113.0	111.7	110.3	99.3
77.5°	50.8	52.1	53.9	60.7	72.4	81.6	83.0	84.4	83.0	81.6	72.4
80°	42.0	42.0	42.0	46.4	55.3	62.4	64.2	66.0	64.2	62.4	55.3
82.5°	32.3	32.4	32.4	34.9	39.9	44.2	46.7	49.2	46.7	44.2	39.9
85°	12.7	15.0	17.7	19.0	19.0	19.6	21.8	24.0	21.8	19.6	19.0
87.5°	2.4	2.4	2.4	3.3	5.1	6.4	6.4	6.4	6.4	6.4	5.1
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°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	980.3	978.0	978.3	978.9	979.9	981.0	979.9	978.9	978.3	978.0	980.3
5°	984.5	982.5	983.3	985.1	989.6	994.0	989.6	985.1	983.3	982.5	984.5
7.5°	995.7	995.7	998.3	1001.7	1007.5	1013.4	1007.5	1001.7	998.3	995.7	995.7
10°	1000.9	1000.2	1000.7	1002.6	1008.8	1015.0	1008.8	1002.6	1000.7	1000.2	1000.9
12.5°	991.6	987.7	987.1	987.5	990.8	994.2	990.8	987.5	987.1	987.7	991.6
15°	968.8	961.7	963.0	964.6	966.8	969.0	966.8	964.6	963.0	961.7	968.8
17.5°	946.8	941.8	946.6	951.3	955.7	960.0	955.7	951.3	946.6	941.8	946.8
20°	935.0	932.1	938.3	944.9	952.5	960.0	952.5	944.9	938.3	932.1	935.0
22.5°	924.3	923.8	932.5	941.6	952.0	962.4	952.0	941.6	932.5	923.8	924.3
25°	907.5	912.3	927.0	940.9	952.5	964.0	952.5	940.9	927.0	912.3	907.5
27.5°	888.6	901.1	920.9	937.8	945.9	954.0	945.9	937.8	920.9	901.1	888.6
30°	877.3	892.7	910.0	923.8	926.9	930.0	926.9	923.8	910.0	892.7	877.3
32.5°	864.2	879.0	888.1	894.0	890.0	886.0	890.0	894.0	888.1	879.0	864.2
35°	840.7	850.5	843.3	835.9	827.5	819.0	827.5	835.9	843.3	850.5	840.7
37.5°	798.0	797.8	777.0	759.0	749.3	739.6	749.3	759.0	777.0	797.8	798.0
40°	763.2	753.5	722.3	696.2	685.1	674.0	685.1	696.2	722.3	753.5	763.2
42.5°	718.2	697.2	657.5	624.4	610.8	597.2	610.8	624.4	657.5	697.2	718.2
45°	635.7	601.4	558.3	522.2	507.1	492.0	507.1	522.2	558.3	601.4	635.7
47.5°	543.6	503.8	465.3	432.9	418.7	404.6	418.7	432.9	465.3	503.8	543.6
50°	485.0	445.0	409.0	378.1	362.6	347.0	362.6	378.1	409.0	445.0	485.0
52.5°	432.7	393.8	357.8	327.3	313.1	299.0	313.1	327.3	357.8	393.8	432.7
55°	358.4	322.9	288.7	260.6	250.8	241.0	250.8	260.6	288.7	322.9	358.4
57.5°	294.9	263.3	234.2	210.6	203.4	196.2	203.4	210.6	234.2	263.3	294.9
60°	254.1	225.7	203.0	184.6	178.8	173.0	178.8	184.6	203.0	225.7	254.1
62.5°	220.6	195.2	177.1	162.5	158.2	153.8	158.2	162.5	177.1	195.2	220.6
65°	180.0	159.1	145.3	134.2	131.1	128.0	131.1	134.2	145.3	159.1	180.0
67.5°	148.0	131.2	120.3	111.5	108.5	105.6	108.5	111.5	120.3	131.2	148.0
70°	129.0	114.1	104.3	96.4	94.2	92.0	94.2	96.4	104.3	114.1	129.0
72.5°	111.0	98.2	90.2	83.8	82.3	80.8	82.3	83.8	90.2	98.2	111.0
75°	85.1	75.3	70.0	65.8	64.9	64.0	64.9	65.8	70.0	75.3	85.1
77.5°	60.7	53.9	52.1	50.8	50.8	50.8	50.8	50.8	52.1	53.9	60.7
80°	46.4	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	46.4
82.5°	34.9	32.4	32.4	32.3	32.0	31.6	32.0	32.3	32.4	32.4	34.9
85°	19.0	17.7	15.0	12.7	11.3	10.0	11.3	12.7	15.0	17.7	19.0
87.5°	3.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.3
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: P1428159

CATALOG NUMBER: SQ2W-PR1-0U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	981.0	981.0	981.0	981.0
2.5°	985.3	987.7	982.3	977.0
5°	989.3	991.1	983.6	976.0
7.5°	998.1	997.3	986.6	975.8
10°	1002.7	1000.8	987.9	975.0
12.5°	998.7	1000.3	985.2	970.2
15°	984.3	991.6	973.8	956.0
17.5°	961.7	968.2	949.6	931.0
20°	947.0	951.5	933.2	915.0
22.5°	934.2	937.1	918.8	900.6
25°	912.3	912.0	896.0	880.0
27.5°	883.5	877.3	867.8	858.4
30°	864.0	852.5	846.2	840.0
32.5°	843.7	827.5	823.7	820.0
35°	814.0	793.2	790.1	787.0
37.5°	777.5	760.6	754.2	747.8
40°	751.7	740.3	729.7	719.0
42.5°	720.5	717.9	700.9	683.8
45°	661.0	674.2	651.1	628.0
47.5°	584.7	609.7	585.9	562.2
50°	529.0	557.2	538.1	519.0
52.5°	474.6	502.6	488.8	475.0
55°	395.3	421.2	414.1	407.0
57.5°	329.1	353.7	349.1	344.6
60°	288.3	313.2	310.1	307.0
62.5°	253.4	277.4	275.0	272.6
65°	208.0	228.4	226.2	224.0
67.5°	170.9	187.7	186.6	185.4
70°	149.0	163.9	163.4	163.0
72.5°	128.5	141.8	142.4	143.0
75°	99.3	110.3	111.7	113.0
77.5°	72.4	81.6	83.0	84.4
80°	55.3	62.4	64.2	66.0
82.5°	39.9	44.2	46.7	49.2
85°	19.0	19.6	21.8	24.0
87.5°	5.1	6.4	6.4	6.4
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1428159
 CATALOG NUMBER: SQ2W-PR1-0U-050D-L935-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	20.20	21.69	20.56	22.01	22.32	16.56	18.06	16.93	18.37	18.69
	3H	21.45	22.79	21.83	23.12	23.48	17.77	19.11	18.15	19.44	19.80
	4H	21.96	23.22	22.36	23.56	23.94	18.27	19.52	18.67	19.87	20.25
	6H	22.29	23.45	22.70	23.81	24.21	18.64	19.79	19.05	20.16	20.55
	8H	22.41	23.51	22.84	23.90	24.30	18.79	19.89	19.22	20.28	20.68
	12H	22.47	23.52	22.90	23.90	24.33	18.84	19.89	19.27	20.28	20.70
4H	2H	20.37	21.63	20.78	21.98	22.36	17.35	18.60	17.75	18.95	19.33
	3H	21.89	22.93	22.30	23.33	23.73	18.76	19.80	19.17	20.20	20.60
	4H	22.54	23.47	22.98	23.89	24.33	19.33	20.26	19.76	20.68	21.12
	6H	23.01	23.81	23.46	24.26	24.72	19.80	20.60	20.25	21.04	21.51
	8H	23.18	23.93	23.64	24.37	24.84	19.99	20.74	20.45	21.19	21.66
	12H	23.27	23.94	23.75	24.42	24.89	20.06	20.74	20.55	21.22	21.69
8H	4H	22.61	23.36	23.08	23.81	24.28	19.70	20.45	20.16	20.90	21.37
	6H	23.16	23.78	23.66	24.28	24.75	20.26	20.88	20.76	21.38	21.85
	8H	23.40	23.96	23.91	24.47	24.96	20.52	21.08	21.04	21.59	22.08
	12H	23.54	24.04	24.05	24.53	25.10	20.64	21.14	21.15	21.63	22.20
12H	4H	22.60	23.27	23.08	23.75	24.22	19.75	20.42	20.23	20.90	21.37
	6H	23.15	23.71	23.67	24.22	24.71	20.33	20.89	20.85	21.40	21.89
	8H	23.43	23.92	23.94	24.42	24.98	20.65	21.14	21.16	21.64	22.20