

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: P1435884

Luminaire Tested: SQ2W-FB-0U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435884
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-050D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

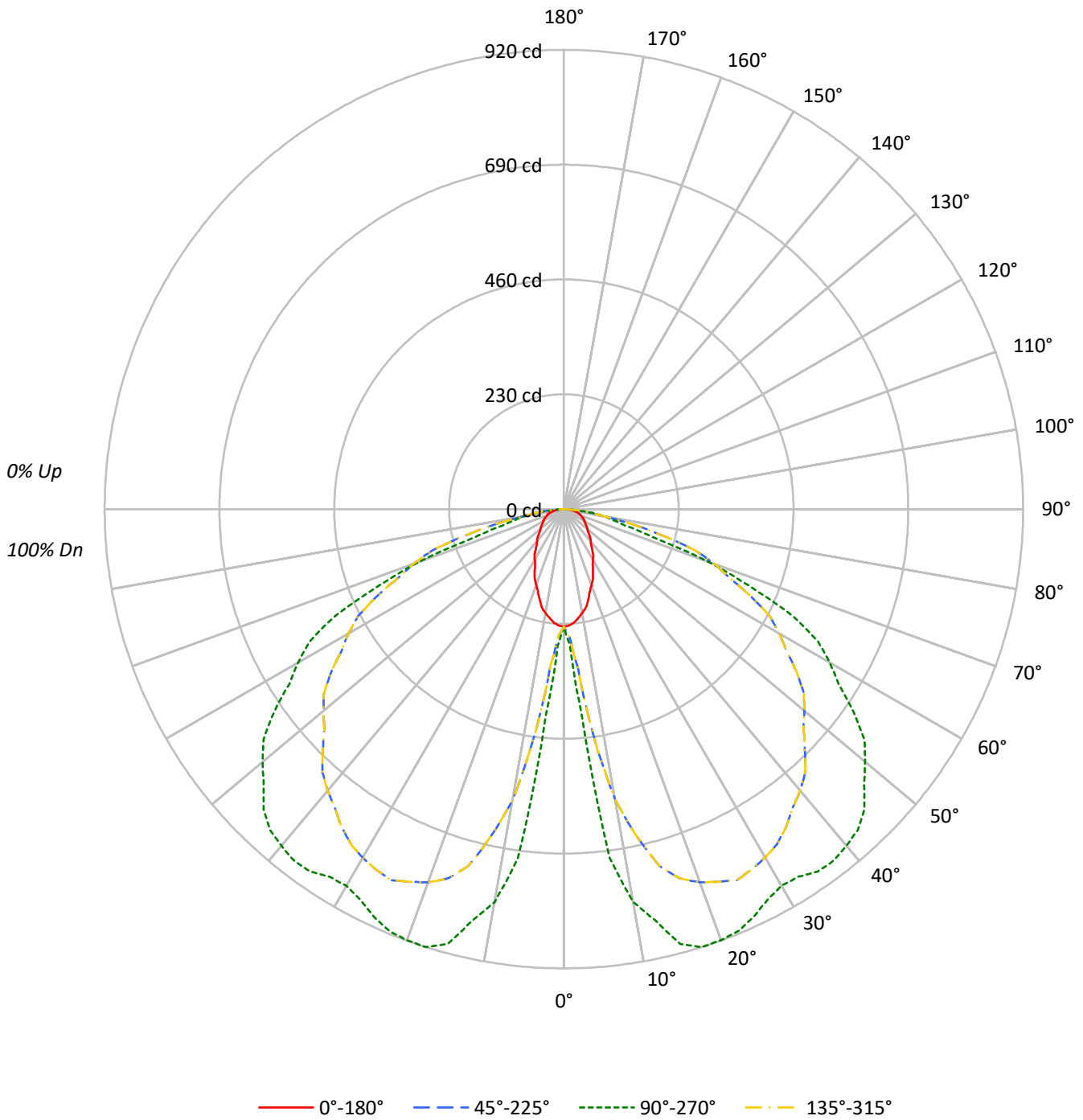
Lumens per Lamp: N/A
Luminaire Lumens: 2324.8 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	3801	3801	3801	3801
5°	3705	6731	3705	6731
10°	3469	13099	3469	13099
15°	3141	15075	3141	15075
20°	2780	15788	2780	15788
25°	2460	16047	2460	16047
30°	2174	16246	2174	16246
35°	1941	17465	1941	17465
40°	1764	18556	1764	18556
45°	1628	19431	1628	19431
50°	1535	19783	1535	19783
55°	1498	19941	1498	19941
60°	1534	19843	1534	19843
65°	1601	19281	1601	19281
70°	1657	14582	1657	14582
75°	1834	8047	1834	8047
80°	1897	7466	1897	7466
85°	1890	3149	1890	3149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 20122 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	1.7
10°-20°	179.9	7.7
20°-30°	316.6	13.6
30°-40°	409.9	17.6
40°-50°	452.0	19.4
50°-60°	421.9	18.1
60°-70°	326.0	14.0
70°-80°	150.3	6.5
80°-90°	28.7	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°	536.0	23.1
0°-40°	945.9	40.7
0°-60°	1819.9	78.3
0°-90°	2324.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	235	235	235	235	235	
5°	229	415	229	415	229	21
15°	188	902	188	902	188	52
25°	138	901	138	901	138	63
35°	98	886	98	886	98	62
45°	71	851	71	851	71	55
55°	53	708	53	708	53	48
65°	42	505	42	505	42	41
75°	29	129	29	129	29	30
85°	10	17	10	17	10	11
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°	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4
2.5°	233.6	238.0	242.4	247.2	252.0	257.2	262.8	267.7	270.1	272.5	270.1
5°	228.6	243.7	258.8	280.7	304.8	332.2	362.9	389.2	402.2	415.3	402.2
7.5°	219.8	250.5	281.1	346.1	422.6	502.0	584.2	652.5	678.7	704.8	678.7
10°	211.6	254.4	297.1	407.4	540.2	642.3	713.7	770.8	784.9	799.0	784.9
12.5°	202.6	260.6	318.7	454.8	616.9	723.1	773.2	814.4	828.8	843.3	828.8
15°	187.9	270.8	353.8	507.7	685.3	794.4	835.2	869.8	885.8	901.9	885.8
17.5°	172.7	283.1	393.6	550.6	723.1	829.5	869.9	902.3	911.1	919.8	911.1
20°	161.8	291.6	421.4	578.7	745.1	845.7	880.4	907.9	913.4	918.9	913.4
22.5°	151.9	296.9	442.0	599.5	761.1	855.1	881.3	902.5	908.5	914.4	908.5
25°	138.1	301.5	465.0	622.0	777.0	862.7	879.3	892.8	896.8	900.8	896.8
27.5°	124.7	297.4	470.1	625.2	774.4	854.4	865.3	874.4	878.3	882.3	878.3
30°	116.6	292.1	467.6	621.3	767.7	844.9	852.9	860.3	865.9	871.4	865.9
32.5°	109.3	285.7	462.0	613.7	757.3	832.9	840.5	849.3	861.2	873.2	861.2
35°	98.5	272.0	445.5	595.6	738.0	815.2	827.3	841.8	864.0	886.1	864.0
37.5°	89.2	254.5	419.7	568.3	711.4	795.5	820.8	845.0	866.4	887.7	866.4
40°	83.7	242.2	400.6	548.1	692.0	780.7	814.4	844.2	862.3	880.4	862.3
42.5°	78.3	228.3	378.3	524.6	669.6	761.8	801.1	835.2	853.3	871.4	853.3
45°	71.3	206.1	340.9	485.9	634.2	731.6	777.8	816.8	833.9	851.0	833.9
47.5°	64.7	181.8	298.9	444.5	599.6	701.7	750.8	790.8	803.2	815.7	803.2
50°	61.1	165.7	270.3	416.5	576.4	680.5	728.8	767.5	777.6	787.6	777.6
52.5°	57.5	150.0	242.6	389.0	553.4	658.3	703.7	740.2	749.4	758.7	749.4
55°	53.2	128.6	204.1	348.9	516.9	620.8	660.5	692.3	700.4	708.4	700.4
57.5°	49.3	110.2	171.1	311.4	478.1	578.5	612.4	639.4	646.0	652.5	646.0
60°	47.5	100.3	153.2	287.8	449.8	546.1	576.8	601.4	608.0	614.5	608.0
62.5°	44.8	90.8	136.8	264.3	419.0	510.5	538.8	561.5	567.6	573.8	567.6
65°	41.9	79.1	116.3	231.2	372.1	454.3	477.9	496.7	500.7	504.7	500.7
67.5°	37.8	69.4	101.0	201.0	323.8	392.6	407.3	416.4	408.8	401.3	408.8
70°	35.1	64.3	93.4	182.6	291.7	348.8	353.8	352.2	330.6	308.9	330.6
72.5°	33.3	59.2	85.2	162.4	256.6	298.2	287.1	268.6	227.7	186.7	227.7
75°	29.4	50.5	71.7	129.8	200.2	211.2	163.0	127.0	128.0	129.0	128.0
77.5°	24.0	39.8	55.6	91.3	133.6	142.0	116.5	97.6	98.5	99.4	98.5
80°	20.4	32.9	45.5	59.6	74.2	81.0	80.0	79.3	79.8	80.3	79.8
82.5°	16.7	26.1	35.5	43.9	52.1	56.6	57.6	58.2	57.5	56.8	57.5
85°	10.2	15.7	21.3	24.5	27.0	26.3	22.3	19.0	18.0	17.0	18.0
87.5°	3.6	5.6	7.6	6.9	5.3	4.5	4.5	4.5	4.5	4.5	4.5
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°	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4
2.5°	267.7	262.8	257.2	252.0	247.2	242.4	238.0	233.6	238.0	242.4	247.2
5°	389.2	362.9	332.2	304.8	280.7	258.8	243.7	228.6	243.7	258.8	280.7
7.5°	652.5	584.2	502.0	422.6	346.1	281.1	250.5	219.8	250.5	281.1	346.1
10°	770.8	713.7	642.3	540.2	407.4	297.1	254.4	211.6	254.4	297.1	407.4
12.5°	814.4	773.2	723.1	616.9	454.8	318.7	260.6	202.6	260.6	318.7	454.8
15°	869.8	835.2	794.4	685.3	507.7	353.8	270.8	187.9	270.8	353.8	507.7
17.5°	902.3	869.9	829.5	723.1	550.6	393.6	283.1	172.7	283.1	393.6	550.6
20°	907.9	880.4	845.7	745.1	578.7	421.4	291.6	161.8	291.6	421.4	578.7
22.5°	902.5	881.3	855.1	761.1	599.5	442.0	296.9	151.9	296.9	442.0	599.5
25°	892.8	879.3	862.7	777.0	622.0	465.0	301.5	138.1	301.5	465.0	622.0
27.5°	874.4	865.3	854.4	774.4	625.2	470.1	297.4	124.7	297.4	470.1	625.2
30°	860.3	852.9	844.9	767.7	621.3	467.6	292.1	116.6	292.1	467.6	621.3
32.5°	849.3	840.5	832.9	757.3	613.7	462.0	285.7	109.3	285.7	462.0	613.7
35°	841.8	827.3	815.2	738.0	595.6	445.5	272.0	98.5	272.0	445.5	595.6
37.5°	845.0	820.8	795.5	711.4	568.3	419.7	254.5	89.2	254.5	419.7	568.3
40°	844.2	814.4	780.7	692.0	548.1	400.6	242.2	83.7	242.2	400.6	548.1
42.5°	835.2	801.1	761.8	669.6	524.6	378.3	228.3	78.3	228.3	378.3	524.6
45°	816.8	777.8	731.6	634.2	485.9	340.9	206.1	71.3	206.1	340.9	485.9
47.5°	790.8	750.8	701.7	599.6	444.5	298.9	181.8	64.7	181.8	298.9	444.5
50°	767.5	728.8	680.5	576.4	416.5	270.3	165.7	61.1	165.7	270.3	416.5
52.5°	740.2	703.7	658.3	553.4	389.0	242.6	150.0	57.5	150.0	242.6	389.0
55°	692.3	660.5	620.8	516.9	348.9	204.1	128.6	53.2	128.6	204.1	348.9
57.5°	639.4	612.4	578.5	478.1	311.4	171.1	110.2	49.3	110.2	171.1	311.4
60°	601.4	576.8	546.1	449.8	287.8	153.2	100.3	47.5	100.3	153.2	287.8
62.5°	561.5	538.8	510.5	419.0	264.3	136.8	90.8	44.8	90.8	136.8	264.3
65°	496.7	477.9	454.3	372.1	231.2	116.3	79.1	41.9	79.1	116.3	231.2
67.5°	416.4	407.3	392.6	323.8	201.0	101.0	69.4	37.8	69.4	101.0	201.0
70°	352.2	353.8	348.8	291.7	182.6	93.4	64.3	35.1	64.3	93.4	182.6
72.5°	268.6	287.1	298.2	256.6	162.4	85.2	59.2	33.3	59.2	85.2	162.4
75°	127.0	163.0	211.2	200.2	129.8	71.7	50.5	29.4	50.5	71.7	129.8
77.5°	97.6	116.5	142.0	133.6	91.3	55.6	39.8	24.0	39.8	55.6	91.3
80°	79.3	80.0	81.0	74.2	59.6	45.5	32.9	20.4	32.9	45.5	59.6
82.5°	58.2	57.6	56.6	52.1	43.9	35.5	26.1	16.7	26.1	35.5	43.9
85°	19.0	22.3	26.3	27.0	24.5	21.3	15.7	10.2	15.7	21.3	24.5
87.5°	4.5	4.5	4.5	5.3	6.9	7.6	5.6	3.6	5.6	7.6	6.9
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°	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4
2.5°	252.0	257.2	262.8	267.7	270.1	272.5	270.1	267.7	262.8	257.2	252.0
5°	304.8	332.2	362.9	389.2	402.2	415.3	402.2	389.2	362.9	332.2	304.8
7.5°	422.6	502.0	584.2	652.5	678.7	704.8	678.7	652.5	584.2	502.0	422.6
10°	540.2	642.3	713.7	770.8	784.9	799.0	784.9	770.8	713.7	642.3	540.2
12.5°	616.9	723.1	773.2	814.4	828.8	843.3	828.8	814.4	773.2	723.1	616.9
15°	685.3	794.4	835.2	869.8	885.8	901.9	885.8	869.8	835.2	794.4	685.3
17.5°	723.1	829.5	869.9	902.3	911.1	919.8	911.1	902.3	869.9	829.5	723.1
20°	745.1	845.7	880.4	907.9	913.4	918.9	913.4	907.9	880.4	845.7	745.1
22.5°	761.1	855.1	881.3	902.5	908.5	914.4	908.5	902.5	881.3	855.1	761.1
25°	777.0	862.7	879.3	892.8	896.8	900.8	896.8	892.8	879.3	862.7	777.0
27.5°	774.4	854.4	865.3	874.4	878.3	882.3	878.3	874.4	865.3	854.4	774.4
30°	767.7	844.9	852.9	860.3	865.9	871.4	865.9	860.3	852.9	844.9	767.7
32.5°	757.3	832.9	840.5	849.3	861.2	873.2	861.2	849.3	840.5	832.9	757.3
35°	738.0	815.2	827.3	841.8	864.0	886.1	864.0	841.8	827.3	815.2	738.0
37.5°	711.4	795.5	820.8	845.0	866.4	887.7	866.4	845.0	820.8	795.5	711.4
40°	692.0	780.7	814.4	844.2	862.3	880.4	862.3	844.2	814.4	780.7	692.0
42.5°	669.6	761.8	801.1	835.2	853.3	871.4	853.3	835.2	801.1	761.8	669.6
45°	634.2	731.6	777.8	816.8	833.9	851.0	833.9	816.8	777.8	731.6	634.2
47.5°	599.6	701.7	750.8	790.8	803.2	815.7	803.2	790.8	750.8	701.7	599.6
50°	576.4	680.5	728.8	767.5	777.6	787.6	777.6	767.5	728.8	680.5	576.4
52.5°	553.4	658.3	703.7	740.2	749.4	758.7	749.4	740.2	703.7	658.3	553.4
55°	516.9	620.8	660.5	692.3	700.4	708.4	700.4	692.3	660.5	620.8	516.9
57.5°	478.1	578.5	612.4	639.4	646.0	652.5	646.0	639.4	612.4	578.5	478.1
60°	449.8	546.1	576.8	601.4	608.0	614.5	608.0	601.4	576.8	546.1	449.8
62.5°	419.0	510.5	538.8	561.5	567.6	573.8	567.6	561.5	538.8	510.5	419.0
65°	372.1	454.3	477.9	496.7	500.7	504.7	500.7	496.7	477.9	454.3	372.1
67.5°	323.8	392.6	407.3	416.4	408.8	401.3	408.8	416.4	407.3	392.6	323.8
70°	291.7	348.8	353.8	352.2	330.6	308.9	330.6	352.2	353.8	348.8	291.7
72.5°	256.6	298.2	287.1	268.6	227.7	186.7	227.7	268.6	287.1	298.2	256.6
75°	200.2	211.2	163.0	127.0	128.0	129.0	128.0	127.0	163.0	211.2	200.2
77.5°	133.6	142.0	116.5	97.6	98.5	99.4	98.5	97.6	116.5	142.0	133.6
80°	74.2	81.0	80.0	79.3	79.8	80.3	79.8	79.3	80.0	81.0	74.2
82.5°	52.1	56.6	57.6	58.2	57.5	56.8	57.5	58.2	57.6	56.6	52.1
85°	27.0	26.3	22.3	19.0	18.0	17.0	18.0	19.0	22.3	26.3	27.0
87.5°	5.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.3
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: P1435884

CATALOG NUMBER: SQ2W-FB-0U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	235.4	235.4	235.4	235.4
2.5°	247.2	242.4	238.0	233.6
5°	280.7	258.8	243.7	228.6
7.5°	346.1	281.1	250.5	219.8
10°	407.4	297.1	254.4	211.6
12.5°	454.8	318.7	260.6	202.6
15°	507.7	353.8	270.8	187.9
17.5°	550.6	393.6	283.1	172.7
20°	578.7	421.4	291.6	161.8
22.5°	599.5	442.0	296.9	151.9
25°	622.0	465.0	301.5	138.1
27.5°	625.2	470.1	297.4	124.7
30°	621.3	467.6	292.1	116.6
32.5°	613.7	462.0	285.7	109.3
35°	595.6	445.5	272.0	98.5
37.5°	568.3	419.7	254.5	89.2
40°	548.1	400.6	242.2	83.7
42.5°	524.6	378.3	228.3	78.3
45°	485.9	340.9	206.1	71.3
47.5°	444.5	298.9	181.8	64.7
50°	416.5	270.3	165.7	61.1
52.5°	389.0	242.6	150.0	57.5
55°	348.9	204.1	128.6	53.2
57.5°	311.4	171.1	110.2	49.3
60°	287.8	153.2	100.3	47.5
62.5°	264.3	136.8	90.8	44.8
65°	231.2	116.3	79.1	41.9
67.5°	201.0	101.0	69.4	37.8
70°	182.6	93.4	64.3	35.1
72.5°	162.4	85.2	59.2	33.3
75°	129.8	71.7	50.5	29.4
77.5°	91.3	55.6	39.8	24.0
80°	59.6	45.5	32.9	20.4
82.5°	43.9	35.5	26.1	16.7
85°	24.5	21.3	15.7	10.2
87.5°	6.9	7.6	5.6	3.6
90°	0.0	0.0	0.0	0.0



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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	14.58	16.26	14.94	16.58	16.89	24.17	25.86	24.54	26.17	26.49
	3H	15.58	17.10	15.95	17.43	17.79	25.84	27.36	26.21	27.69	28.05
	4H	16.01	17.45	16.41	17.79	18.17	26.05	27.49	26.45	27.83	28.21
	6H	16.31	17.64	16.72	18.00	18.39	26.17	27.50	26.58	27.86	28.25
	8H	16.42	17.69	16.84	18.08	18.48	26.21	27.48	26.63	27.87	28.27
	12H	16.50	17.72	16.93	18.10	18.53	26.22	27.43	26.64	27.81	28.24
4H	2H	19.39	20.83	19.79	21.17	21.55	24.63	26.07	25.03	26.42	26.79
	3H	20.60	21.80	21.01	22.19	22.59	26.60	27.80	27.01	28.19	28.59
	4H	20.91	22.00	21.34	22.41	22.85	26.85	27.94	27.29	28.35	28.79
	6H	21.10	22.04	21.55	22.48	22.94	27.03	27.98	27.49	28.42	28.88
	8H	21.16	22.04	21.62	22.48	22.95	27.10	27.99	27.56	28.43	28.89
	12H	21.20	21.99	21.68	22.47	22.94	27.12	27.92	27.60	28.39	28.86
8H	4H	22.18	23.06	22.64	23.50	23.97	27.02	27.90	27.47	28.34	28.81
	6H	22.47	23.21	22.96	23.69	24.17	27.25	27.98	27.74	28.47	28.94
	8H	22.58	23.24	23.09	23.74	24.23	27.35	28.01	27.86	28.51	29.00
	12H	22.66	23.24	23.17	23.73	24.29	27.40	27.97	27.90	28.46	29.02
12H	4H	22.24	23.04	22.72	23.51	23.98	27.01	27.80	27.49	28.28	28.74
	6H	22.59	23.25	23.10	23.75	24.24	27.24	27.90	27.75	28.41	28.89
	8H	22.77	23.35	23.27	23.84	24.39	27.38	27.96	27.89	28.45	29.01