

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: P1435887

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

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435887  
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-L935-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, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

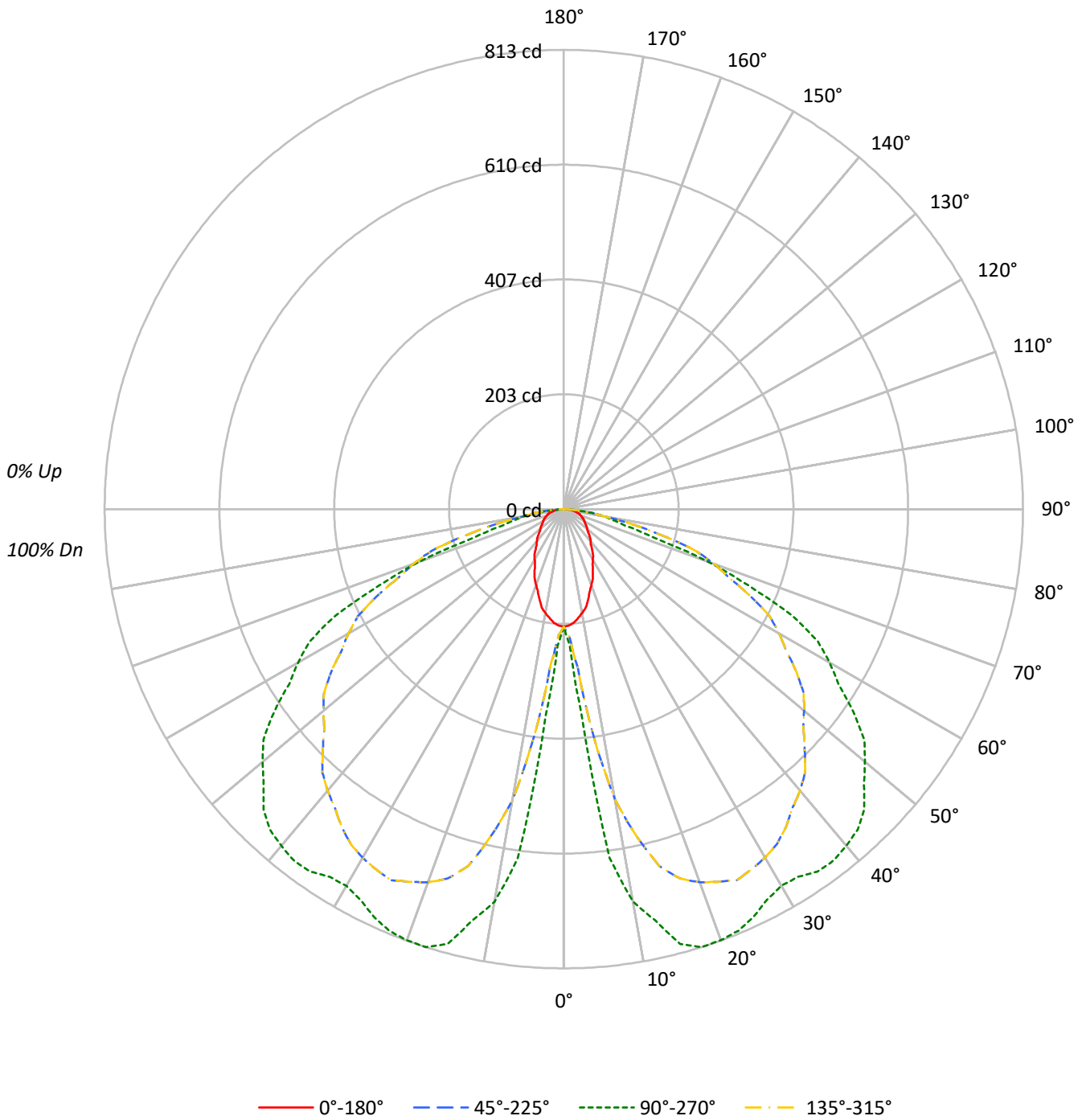
Lumens per Lamp: N/A  
Luminaire Lumens: 2054.3 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 17.8  
Input Voltage (V): 120  
Input Current (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

TEST NUMBER: P1435887

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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°	3358	3358	3358	3358
5°	3274	5948	3274	5948
10°	3066	11575	3066	11575
15°	2775	13322	2775	13322
20°	2457	13952	2457	13952
25°	2173	14180	2173	14180
30°	1920	14355	1920	14355
35°	1715	15433	1715	15433
40°	1560	16398	1560	16398
45°	1438	17171	1438	17171
50°	1356	17482	1356	17482
55°	1323	17621	1323	17621
60°	1356	17534	1356	17534
65°	1414	17039	1414	17039
70°	1463	12887	1463	12887
75°	1622	7112	1622	7112
80°	1674	6601	1674	6601
85°	1667	2779	1667	2779

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 17780 cd/sqm



TEST NUMBER: P1435887

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.8	1.7
10°-20°	159.0	7.7
20°-30°	279.8	13.6
30°-40°	362.2	17.6
40°-50°	399.5	19.4
50°-60°	372.8	18.1
60°-70°	288.0	14.0
70°-80°	132.8	6.5
80°-90°	25.4	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°	473.7	23.1
0°-40°	835.9	40.7
0°-60°	1608.1	78.3
0°-90°	2054.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2054.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	208	208	208	208	208	
5°	202	367	202	367	202	19
15°	166	797	166	797	166	46
25°	122	796	122	796	122	56
35°	87	783	87	783	87	55
45°	63	752	63	752	63	49
55°	47	626	47	626	47	42
65°	37	446	37	446	37	36
75°	26	114	26	114	26	27
85°	9	15	9	15	9	10
90°	0	0	0	0	0	



TEST NUMBER: P1435887

CATALOG NUMBER: SQ2W-FB-OU-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	206.4	210.3	214.2	218.4	222.7	227.3	232.3	236.5	238.7	240.8	238.7
5°	202.0	215.3	228.7	248.0	269.3	293.6	320.7	343.9	355.4	367.0	355.4
7.5°	194.2	221.3	248.4	305.9	373.4	443.6	516.3	576.6	599.7	622.8	599.7
10°	187.0	224.8	262.6	360.0	477.3	567.6	630.7	681.1	693.6	706.0	693.6
12.5°	179.0	230.3	281.6	401.9	545.2	638.9	683.2	719.6	732.4	745.2	732.4
15°	166.0	239.3	312.7	448.7	605.6	702.0	738.0	768.6	782.8	797.0	782.8
17.5°	152.6	250.2	347.8	486.5	639.0	733.0	768.7	797.3	805.1	812.8	805.1
20°	143.0	257.7	372.3	511.3	658.4	747.3	778.0	802.2	807.1	812.0	807.1
22.5°	134.2	262.4	390.6	529.7	672.6	755.6	778.8	797.5	802.8	808.0	802.8
25°	122.0	266.4	410.9	549.7	686.6	762.3	777.0	788.9	792.5	796.0	792.5
27.5°	110.2	262.8	415.4	552.5	684.3	755.0	764.6	772.7	776.1	779.6	776.1
30°	103.0	258.1	413.2	549.0	678.3	746.6	753.7	760.2	765.1	770.0	765.1
32.5°	96.6	252.4	408.2	542.3	669.2	736.0	742.7	750.5	761.0	771.6	761.0
35°	87.0	240.3	393.7	526.3	652.1	720.3	731.0	743.9	763.5	783.0	763.5
37.5°	78.8	224.8	370.9	502.2	628.6	703.0	725.3	746.7	765.6	784.4	765.6
40°	74.0	214.0	354.0	484.3	611.4	689.9	719.7	746.0	762.0	778.0	762.0
42.5°	69.2	201.7	334.3	463.5	591.7	673.2	707.9	738.0	754.0	770.0	754.0
45°	63.0	182.1	301.2	429.3	560.4	646.4	687.3	721.8	736.9	752.0	736.9
47.5°	57.2	160.7	264.1	392.8	529.9	620.1	663.5	698.8	709.8	720.8	709.8
50°	54.0	146.4	238.9	368.0	509.3	601.3	644.0	678.2	687.1	696.0	687.1
52.5°	50.8	132.6	214.4	343.7	489.0	581.7	621.9	654.0	662.2	670.4	662.2
55°	47.0	113.7	180.3	308.3	456.8	548.6	583.7	611.8	618.9	626.0	618.9
57.5°	43.6	97.4	151.2	275.1	422.5	511.2	541.1	565.0	570.8	576.6	570.8
60°	42.0	88.7	135.3	254.3	397.4	482.6	509.7	531.4	537.2	543.0	537.2
62.5°	39.6	80.2	120.8	233.5	370.2	451.1	476.1	496.2	501.6	507.0	501.6
65°	37.0	69.9	102.8	204.3	328.8	401.4	422.3	438.9	442.4	446.0	442.4
67.5°	33.4	61.3	89.2	177.6	286.1	346.9	359.9	367.9	361.3	354.6	361.3
70°	31.0	56.8	82.6	161.3	257.8	308.2	312.7	311.2	292.1	273.0	292.1
72.5°	29.4	52.3	75.3	143.5	226.8	263.5	253.7	237.4	201.2	165.0	201.2
75°	26.0	44.7	63.3	114.7	176.9	186.7	144.0	112.2	113.1	114.0	113.1
77.5°	21.2	35.2	49.1	80.7	118.1	125.5	102.9	86.2	87.0	87.8	87.0
80°	18.0	29.1	40.2	52.7	65.6	71.6	70.7	70.1	70.6	71.0	70.6
82.5°	14.8	23.1	31.3	38.8	46.0	50.0	50.9	51.4	50.8	50.2	50.8
85°	9.0	13.9	18.8	21.7	23.9	23.2	19.7	16.8	15.9	15.0	15.9
87.5°	3.2	5.0	6.8	6.1	4.7	4.0	4.0	4.0	4.0	4.0	4.0
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: P1435887

CATALOG NUMBER: SQ2W-FB-OU-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	236.5	232.3	227.3	222.7	218.4	214.2	210.3	206.4	210.3	214.2	218.4
5°	343.9	320.7	293.6	269.3	248.0	228.7	215.3	202.0	215.3	228.7	248.0
7.5°	576.6	516.3	443.6	373.4	305.9	248.4	221.3	194.2	221.3	248.4	305.9
10°	681.1	630.7	567.6	477.3	360.0	262.6	224.8	187.0	224.8	262.6	360.0
12.5°	719.6	683.2	638.9	545.2	401.9	281.6	230.3	179.0	230.3	281.6	401.9
15°	768.6	738.0	702.0	605.6	448.7	312.7	239.3	166.0	239.3	312.7	448.7
17.5°	797.3	768.7	733.0	639.0	486.5	347.8	250.2	152.6	250.2	347.8	486.5
20°	802.2	778.0	747.3	658.4	511.3	372.3	257.7	143.0	257.7	372.3	511.3
22.5°	797.5	778.8	755.6	672.6	529.7	390.6	262.4	134.2	262.4	390.6	529.7
25°	788.9	777.0	762.3	686.6	549.7	410.9	266.4	122.0	266.4	410.9	549.7
27.5°	772.7	764.6	755.0	684.3	552.5	415.4	262.8	110.2	262.8	415.4	552.5
30°	760.2	753.7	746.6	678.3	549.0	413.2	258.1	103.0	258.1	413.2	549.0
32.5°	750.5	742.7	736.0	669.2	542.3	408.2	252.4	96.6	252.4	408.2	542.3
35°	743.9	731.0	720.3	652.1	526.3	393.7	240.3	87.0	240.3	393.7	526.3
37.5°	746.7	725.3	703.0	628.6	502.2	370.9	224.8	78.8	224.8	370.9	502.2
40°	746.0	719.7	689.9	611.4	484.3	354.0	214.0	74.0	214.0	354.0	484.3
42.5°	738.0	707.9	673.2	591.7	463.5	334.3	201.7	69.2	201.7	334.3	463.5
45°	721.8	687.3	646.4	560.4	429.3	301.2	182.1	63.0	182.1	301.2	429.3
47.5°	698.8	663.5	620.1	529.9	392.8	264.1	160.7	57.2	160.7	264.1	392.8
50°	678.2	644.0	601.3	509.3	368.0	238.9	146.4	54.0	146.4	238.9	368.0
52.5°	654.0	621.9	581.7	489.0	343.7	214.4	132.6	50.8	132.6	214.4	343.7
55°	611.8	583.7	548.6	456.8	308.3	180.3	113.7	47.0	113.7	180.3	308.3
57.5°	565.0	541.1	511.2	422.5	275.1	151.2	97.4	43.6	97.4	151.2	275.1
60°	531.4	509.7	482.6	397.4	254.3	135.3	88.7	42.0	88.7	135.3	254.3
62.5°	496.2	476.1	451.1	370.2	233.5	120.8	80.2	39.6	80.2	120.8	233.5
65°	438.9	422.3	401.4	328.8	204.3	102.8	69.9	37.0	69.9	102.8	204.3
67.5°	367.9	359.9	346.9	286.1	177.6	89.2	61.3	33.4	61.3	89.2	177.6
70°	311.2	312.7	308.2	257.8	161.3	82.6	56.8	31.0	56.8	82.6	161.3
72.5°	237.4	253.7	263.5	226.8	143.5	75.3	52.3	29.4	52.3	75.3	143.5
75°	112.2	144.0	186.7	176.9	114.7	63.3	44.7	26.0	44.7	63.3	114.7
77.5°	86.2	102.9	125.5	118.1	80.7	49.1	35.2	21.2	35.2	49.1	80.7
80°	70.1	70.7	71.6	65.6	52.7	40.2	29.1	18.0	29.1	40.2	52.7
82.5°	51.4	50.9	50.0	46.0	38.8	31.3	23.1	14.8	23.1	31.3	38.8
85°	16.8	19.7	23.2	23.9	21.7	18.8	13.9	9.0	13.9	18.8	21.7
87.5°	4.0	4.0	4.0	4.7	6.1	6.8	5.0	3.2	5.0	6.8	6.1
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: P1435887

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	222.7	227.3	232.3	236.5	238.7	240.8	238.7	236.5	232.3	227.3	222.7
5°	269.3	293.6	320.7	343.9	355.4	367.0	355.4	343.9	320.7	293.6	269.3
7.5°	373.4	443.6	516.3	576.6	599.7	622.8	599.7	576.6	516.3	443.6	373.4
10°	477.3	567.6	630.7	681.1	693.6	706.0	693.6	681.1	630.7	567.6	477.3
12.5°	545.2	638.9	683.2	719.6	732.4	745.2	732.4	719.6	683.2	638.9	545.2
15°	605.6	702.0	738.0	768.6	782.8	797.0	782.8	768.6	738.0	702.0	605.6
17.5°	639.0	733.0	768.7	797.3	805.1	812.8	805.1	797.3	768.7	733.0	639.0
20°	658.4	747.3	778.0	802.2	807.1	812.0	807.1	802.2	778.0	747.3	658.4
22.5°	672.6	755.6	778.8	797.5	802.8	808.0	802.8	797.5	778.8	755.6	672.6
25°	686.6	762.3	777.0	788.9	792.5	796.0	792.5	788.9	777.0	762.3	686.6
27.5°	684.3	755.0	764.6	772.7	776.1	779.6	776.1	772.7	764.6	755.0	684.3
30°	678.3	746.6	753.7	760.2	765.1	770.0	765.1	760.2	753.7	746.6	678.3
32.5°	669.2	736.0	742.7	750.5	761.0	771.6	761.0	750.5	742.7	736.0	669.2
35°	652.1	720.3	731.0	743.9	763.5	783.0	763.5	743.9	731.0	720.3	652.1
37.5°	628.6	703.0	725.3	746.7	765.6	784.4	765.6	746.7	725.3	703.0	628.6
40°	611.4	689.9	719.7	746.0	762.0	778.0	762.0	746.0	719.7	689.9	611.4
42.5°	591.7	673.2	707.9	738.0	754.0	770.0	754.0	738.0	707.9	673.2	591.7
45°	560.4	646.4	687.3	721.8	736.9	752.0	736.9	721.8	687.3	646.4	560.4
47.5°	529.9	620.1	663.5	698.8	709.8	720.8	709.8	698.8	663.5	620.1	529.9
50°	509.3	601.3	644.0	678.2	687.1	696.0	687.1	678.2	644.0	601.3	509.3
52.5°	489.0	581.7	621.9	654.0	662.2	670.4	662.2	654.0	621.9	581.7	489.0
55°	456.8	548.6	583.7	611.8	618.9	626.0	618.9	611.8	583.7	548.6	456.8
57.5°	422.5	511.2	541.1	565.0	570.8	576.6	570.8	565.0	541.1	511.2	422.5
60°	397.4	482.6	509.7	531.4	537.2	543.0	537.2	531.4	509.7	482.6	397.4
62.5°	370.2	451.1	476.1	496.2	501.6	507.0	501.6	496.2	476.1	451.1	370.2
65°	328.8	401.4	422.3	438.9	442.4	446.0	442.4	438.9	422.3	401.4	328.8
67.5°	286.1	346.9	359.9	367.9	361.3	354.6	361.3	367.9	359.9	346.9	286.1
70°	257.8	308.2	312.7	311.2	292.1	273.0	292.1	311.2	312.7	308.2	257.8
72.5°	226.8	263.5	253.7	237.4	201.2	165.0	201.2	237.4	253.7	263.5	226.8
75°	176.9	186.7	144.0	112.2	113.1	114.0	113.1	112.2	144.0	186.7	176.9
77.5°	118.1	125.5	102.9	86.2	87.0	87.8	87.0	86.2	102.9	125.5	118.1
80°	65.6	71.6	70.7	70.1	70.6	71.0	70.6	70.1	70.7	71.6	65.6
82.5°	46.0	50.0	50.9	51.4	50.8	50.2	50.8	51.4	50.9	50.0	46.0
85°	23.9	23.2	19.7	16.8	15.9	15.0	15.9	16.8	19.7	23.2	23.9
87.5°	4.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.7
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: P1435887

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	208.0	208.0	208.0	208.0
2.5°	218.4	214.2	210.3	206.4
5°	248.0	228.7	215.3	202.0
7.5°	305.9	248.4	221.3	194.2
10°	360.0	262.6	224.8	187.0
12.5°	401.9	281.6	230.3	179.0
15°	448.7	312.7	239.3	166.0
17.5°	486.5	347.8	250.2	152.6
20°	511.3	372.3	257.7	143.0
22.5°	529.7	390.6	262.4	134.2
25°	549.7	410.9	266.4	122.0
27.5°	552.5	415.4	262.8	110.2
30°	549.0	413.2	258.1	103.0
32.5°	542.3	408.2	252.4	96.6
35°	526.3	393.7	240.3	87.0
37.5°	502.2	370.9	224.8	78.8
40°	484.3	354.0	214.0	74.0
42.5°	463.5	334.3	201.7	69.2
45°	429.3	301.2	182.1	63.0
47.5°	392.8	264.1	160.7	57.2
50°	368.0	238.9	146.4	54.0
52.5°	343.7	214.4	132.6	50.8
55°	308.3	180.3	113.7	47.0
57.5°	275.1	151.2	97.4	43.6
60°	254.3	135.3	88.7	42.0
62.5°	233.5	120.8	80.2	39.6
65°	204.3	102.8	69.9	37.0
67.5°	177.6	89.2	61.3	33.4
70°	161.3	82.6	56.8	31.0
72.5°	143.5	75.3	52.3	29.4
75°	114.7	63.3	44.7	26.0
77.5°	80.7	49.1	35.2	21.2
80°	52.7	40.2	29.1	18.0
82.5°	38.8	31.3	23.1	14.8
85°	21.7	18.8	13.9	9.0
87.5°	6.1	6.8	5.0	3.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1435887

CATALOG NUMBER: SQ2W-FB-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	14.15	15.83	14.51	16.15	16.46	23.74	25.43	24.11	25.74	26.06
	3H	15.15	16.67	15.52	17.00	17.36	25.41	26.93	25.78	27.26	27.62
	4H	15.58	17.02	15.98	17.36	17.74	25.62	27.06	26.02	27.40	27.78
	6H	15.88	17.21	16.29	17.57	17.96	25.74	27.07	26.15	27.43	27.82
	8H	15.99	17.26	16.42	17.65	18.05	25.78	27.05	26.20	27.44	27.84
	12H	16.07	17.29	16.50	17.67	18.10	25.79	27.00	26.21	27.38	27.81
4H	2H	18.96	20.40	19.36	20.74	21.12	24.20	25.64	24.60	25.99	26.36
	3H	20.17	21.37	20.58	21.76	22.16	26.17	27.37	26.58	27.76	28.16
	4H	20.48	21.57	20.91	21.98	22.42	26.43	27.51	26.86	27.92	28.36
	6H	20.67	21.61	21.12	22.05	22.51	26.61	27.55	27.06	27.99	28.45
	8H	20.73	21.61	21.19	22.05	22.52	26.67	27.56	27.13	28.00	28.46
	12H	20.77	21.57	21.25	22.04	22.51	26.69	27.49	27.17	27.96	28.43
8H	4H	21.75	22.63	22.21	23.07	23.54	26.59	27.47	27.04	27.91	28.38
	6H	22.04	22.78	22.54	23.26	23.74	26.82	27.55	27.31	28.04	28.51
	8H	22.15	22.81	22.66	23.31	23.80	26.92	27.58	27.43	28.08	28.57
	12H	22.23	22.81	22.74	23.30	23.86	26.97	27.54	27.47	28.03	28.59
12H	4H	21.81	22.61	22.29	23.08	23.55	26.58	27.37	27.06	27.85	28.32
	6H	22.16	22.82	22.67	23.32	23.81	26.81	27.47	27.32	27.98	28.46
	8H	22.34	22.92	22.84	23.41	23.97	26.95	27.53	27.46	28.02	28.58