

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: P1427661

Luminaire Tested: SQ2W-F-0U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427661  
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-L935-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

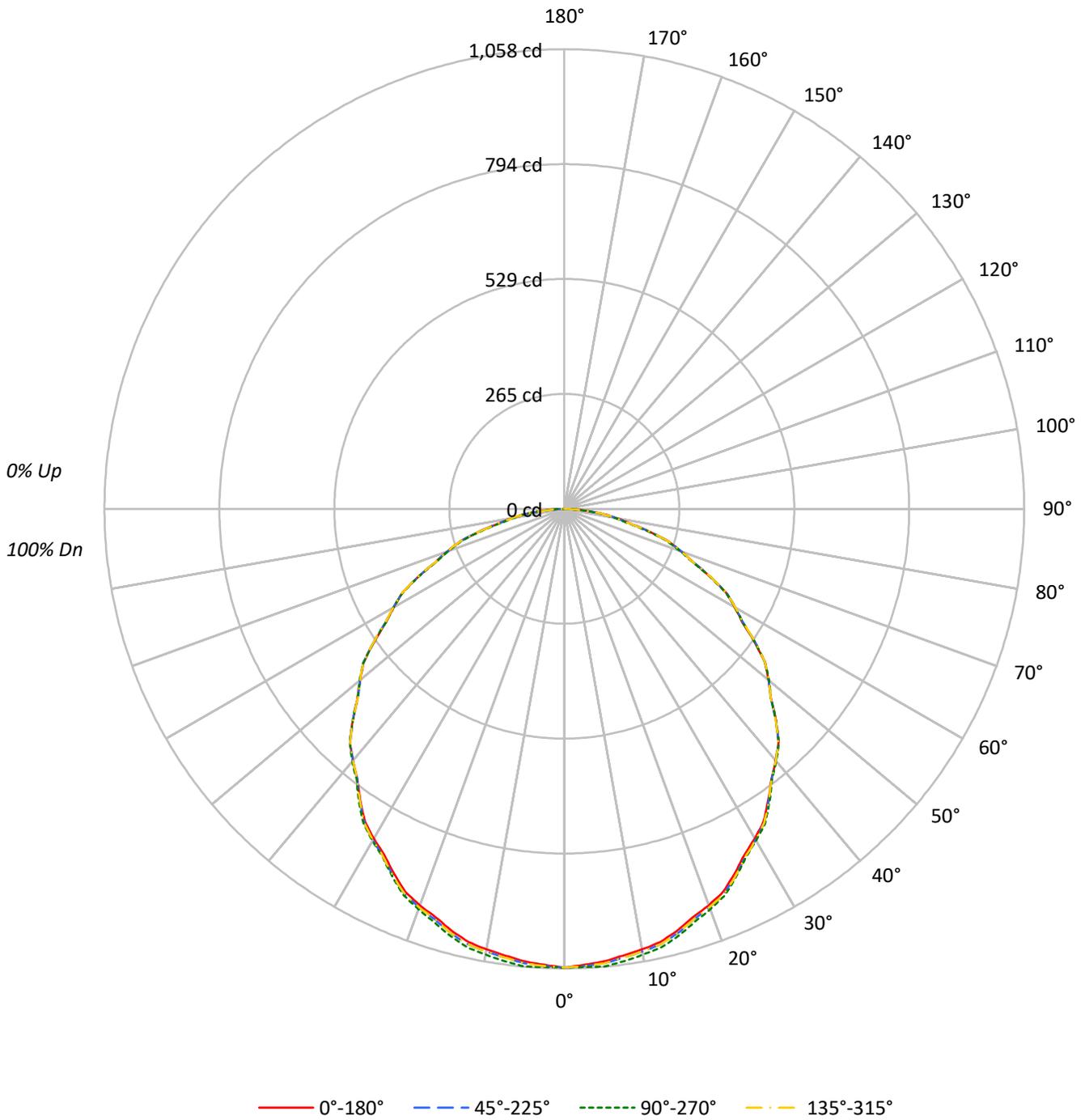
Lumens per Lamp: N/A  
Luminaire Lumens: 2972.4 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: SQ2W-F-0U-075D-L935-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°	17051	17051	17051	17051
5°	16948	17141	16948	17141
10°	16888	17083	16888	17083
15°	16795	17008	16795	17008
20°	16690	16855	16690	16855
25°	16509	16655	16509	16655
30°	16335	16445	16335	16445
35°	16125	16227	16125	16227
40°	15942	15989	15942	15989
45°	15709	15709	15709	15709
50°	15395	15430	15395	15430
55°	15032	15054	15032	15054
60°	14628	14628	14628	14628
65°	14151	14093	14151	14093
70°	13482	13341	13482	13341
75°	12576	12295	12576	12295
80°	11204	10646	11204	10646
85°	8948	7577	8948	7577

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 15814 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	3.4
10°-20°	285.5	9.6
20°-30°	429.8	14.5
30°-40°	514.0	17.3
40°-50°	530.7	17.9
50°-60°	478.7	16.1
60°-70°	366.7	12.3
70°-80°	211.9	7.1
80°-90°	55.0	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°	815.3	27.4
0°-40°	1329.3	44.7
0°-60°	2338.7	78.7
0°-90°	2972.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2972.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1056	1056	1056	1056	1056	
5°	1046	1058	1046	1058	1046	99
15°	1005	1018	1005	1018	1005	283
25°	927	935	927	935	927	427
35°	818	823	818	823	818	512
45°	688	688	688	688	688	530
55°	534	535	534	535	534	477
65°	370	369	370	369	370	366
75°	202	197	202	197	202	213
85°	48	41	48	41	48	58
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°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1050.8	1055.8	1060.8	1058.7	1054.2	1052.5	1053.6	1054.5	1055.0	1055.6	1055.0
5°	1045.7	1052.3	1059.0	1056.6	1051.4	1049.0	1049.7	1051.0	1054.3	1057.6	1054.3
7.5°	1037.3	1043.9	1050.5	1048.4	1043.3	1041.2	1042.0	1043.5	1046.9	1050.3	1046.9
10°	1030.1	1036.7	1043.3	1041.0	1035.7	1033.8	1035.1	1036.7	1039.4	1042.0	1039.4
12.5°	1021.2	1027.8	1034.4	1032.5	1027.7	1025.8	1026.5	1027.9	1030.8	1033.7	1030.8
15°	1004.8	1011.4	1018.0	1016.2	1011.6	1009.8	1010.8	1012.2	1014.8	1017.5	1014.8
17.5°	985.0	991.3	997.5	995.8	991.5	989.9	991.0	992.5	994.8	997.1	994.8
20°	971.4	977.3	983.3	981.5	977.2	975.2	975.6	976.4	978.7	981.0	978.7
22.5°	954.7	960.6	966.6	965.1	961.0	958.6	957.9	958.1	960.9	963.8	960.9
25°	926.7	932.7	938.6	937.4	933.8	931.4	930.5	930.3	932.6	934.9	932.6
27.5°	897.6	902.5	907.5	906.5	903.4	901.6	900.9	900.8	902.5	904.1	902.5
30°	876.2	881.1	886.1	884.8	881.5	879.5	878.9	878.8	880.5	882.1	880.5
32.5°	853.5	858.2	862.9	861.2	857.4	855.4	855.3	855.7	857.6	859.5	857.6
35°	818.1	822.1	826.1	824.3	820.7	819.1	819.4	820.0	821.7	823.3	821.7
37.5°	782.6	785.6	788.7	786.9	783.5	781.8	781.7	782.0	783.4	784.8	783.4
40°	756.4	759.7	763.0	761.1	757.5	755.5	755.2	755.3	757.0	758.6	757.0
42.5°	729.6	732.1	734.7	733.0	729.8	728.4	728.6	729.0	729.8	730.7	729.8
45°	688.0	690.3	692.6	691.0	688.0	686.5	686.5	686.7	687.3	688.0	687.3
47.5°	644.4	646.2	648.0	646.7	644.4	643.0	642.6	642.6	643.6	644.7	643.6
50°	612.9	615.2	617.5	616.3	614.0	612.5	611.9	611.7	613.0	614.3	613.0
52.5°	581.9	584.5	587.1	586.0	583.7	582.1	581.1	580.7	581.8	582.8	581.8
55°	534.0	537.0	540.0	539.2	537.2	535.6	534.3	533.4	534.1	534.8	534.1
57.5°	485.1	488.0	490.9	490.3	488.6	487.0	485.4	484.4	485.3	486.3	485.3
60°	453.0	455.6	458.2	457.4	455.4	453.8	452.5	451.6	452.3	453.0	452.3
62.5°	420.2	422.9	425.5	424.5	422.2	420.5	419.1	418.3	419.0	419.6	419.0
65°	370.4	372.7	375.0	374.1	372.1	370.5	369.2	368.2	368.6	368.9	368.6
67.5°	320.1	322.1	324.1	323.1	321.2	319.3	317.4	316.1	316.6	317.1	316.6
70°	285.6	287.6	289.6	288.8	287.2	285.5	283.9	282.6	282.6	282.6	282.6
72.5°	252.3	254.0	255.7	254.7	252.8	251.1	249.8	248.7	248.7	248.7	248.7
75°	201.6	202.6	203.5	203.0	202.1	200.7	199.1	197.8	197.4	197.1	197.4
77.5°	152.6	152.6	152.6	151.7	150.4	149.2	147.9	146.9	146.5	146.1	146.5
80°	120.5	120.5	120.5	119.7	118.8	117.8	116.8	115.9	115.2	114.5	115.2
82.5°	90.7	90.2	89.7	88.8	87.8	86.6	85.0	84.1	84.7	85.4	84.7
85°	48.3	47.7	47.0	46.1	45.1	44.0	42.6	41.6	41.2	40.9	41.2
87.5°	14.9	14.3	13.8	13.1	12.3	11.4	10.3	9.5	9.2	8.9	9.2
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°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1054.5	1053.6	1052.5	1054.2	1058.7	1060.8	1055.8	1050.8	1055.8	1060.8	1058.7
5°	1051.0	1049.7	1049.0	1051.4	1056.6	1059.0	1052.3	1045.7	1052.3	1059.0	1056.6
7.5°	1043.5	1042.0	1041.2	1043.3	1048.4	1050.5	1043.9	1037.3	1043.9	1050.5	1048.4
10°	1036.7	1035.1	1033.8	1035.7	1041.0	1043.3	1036.7	1030.1	1036.7	1043.3	1041.0
12.5°	1027.9	1026.5	1025.8	1027.7	1032.5	1034.4	1027.8	1021.2	1027.8	1034.4	1032.5
15°	1012.2	1010.8	1009.8	1011.6	1016.2	1018.0	1011.4	1004.8	1011.4	1018.0	1016.2
17.5°	992.5	991.0	989.9	991.5	995.8	997.5	991.3	985.0	991.3	997.5	995.8
20°	976.4	975.6	975.2	977.2	981.5	983.3	977.3	971.4	977.3	983.3	981.5
22.5°	958.1	957.9	958.6	961.0	965.1	966.6	960.6	954.7	960.6	966.6	965.1
25°	930.3	930.5	931.4	933.8	937.4	938.6	932.7	926.7	932.7	938.6	937.4
27.5°	900.8	900.9	901.6	903.4	906.5	907.5	902.5	897.6	902.5	907.5	906.5
30°	878.8	878.9	879.5	881.5	884.8	886.1	881.1	876.2	881.1	886.1	884.8
32.5°	855.7	855.3	855.4	857.4	861.2	862.9	858.2	853.5	858.2	862.9	861.2
35°	820.0	819.4	819.1	820.7	824.3	826.1	822.1	818.1	822.1	826.1	824.3
37.5°	782.0	781.7	781.8	783.5	786.9	788.7	785.6	782.6	785.6	788.7	786.9
40°	755.3	755.2	755.5	757.5	761.1	763.0	759.7	756.4	759.7	763.0	761.1
42.5°	729.0	728.6	728.4	729.8	733.0	734.7	732.1	729.6	732.1	734.7	733.0
45°	686.7	686.5	686.5	688.0	691.0	692.6	690.3	688.0	690.3	692.6	691.0
47.5°	642.6	642.6	643.0	644.4	646.7	648.0	646.2	644.4	646.2	648.0	646.7
50°	611.7	611.9	612.5	614.0	616.3	617.5	615.2	612.9	615.2	617.5	616.3
52.5°	580.7	581.1	582.1	583.7	586.0	587.1	584.5	581.9	584.5	587.1	586.0
55°	533.4	534.3	535.6	537.2	539.2	540.0	537.0	534.0	537.0	540.0	539.2
57.5°	484.4	485.4	487.0	488.6	490.3	490.9	488.0	485.1	488.0	490.9	490.3
60°	451.6	452.5	453.8	455.4	457.4	458.2	455.6	453.0	455.6	458.2	457.4
62.5°	418.3	419.1	420.5	422.2	424.5	425.5	422.9	420.2	422.9	425.5	424.5
65°	368.2	369.2	370.5	372.1	374.1	375.0	372.7	370.4	372.7	375.0	374.1
67.5°	316.1	317.4	319.3	321.2	323.1	324.1	322.1	320.1	322.1	324.1	323.1
70°	282.6	283.9	285.5	287.2	288.8	289.6	287.6	285.6	287.6	289.6	288.8
72.5°	248.7	249.8	251.1	252.8	254.7	255.7	254.0	252.3	254.0	255.7	254.7
75°	197.8	199.1	200.7	202.1	203.0	203.5	202.6	201.6	202.6	203.5	203.0
77.5°	146.9	147.9	149.2	150.4	151.7	152.6	152.6	152.6	152.6	152.6	151.7
80°	115.9	116.8	117.8	118.8	119.7	120.5	120.5	120.5	120.5	120.5	119.7
82.5°	84.1	85.0	86.6	87.8	88.8	89.7	90.2	90.7	90.2	89.7	88.8
85°	41.6	42.6	44.0	45.1	46.1	47.0	47.7	48.3	47.7	47.0	46.1
87.5°	9.5	10.3	11.4	12.3	13.1	13.8	14.3	14.9	14.3	13.8	13.1
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°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1054.2	1052.5	1053.6	1054.5	1055.0	1055.6	1055.0	1054.5	1053.6	1052.5	1054.2
5°	1051.4	1049.0	1049.7	1051.0	1054.3	1057.6	1054.3	1051.0	1049.7	1049.0	1051.4
7.5°	1043.3	1041.2	1042.0	1043.5	1046.9	1050.3	1046.9	1043.5	1042.0	1041.2	1043.3
10°	1035.7	1033.8	1035.1	1036.7	1039.4	1042.0	1039.4	1036.7	1035.1	1033.8	1035.7
12.5°	1027.7	1025.8	1026.5	1027.9	1030.8	1033.7	1030.8	1027.9	1026.5	1025.8	1027.7
15°	1011.6	1009.8	1010.8	1012.2	1014.8	1017.5	1014.8	1012.2	1010.8	1009.8	1011.6
17.5°	991.5	989.9	991.0	992.5	994.8	997.1	994.8	992.5	991.0	989.9	991.5
20°	977.2	975.2	975.6	976.4	978.7	981.0	978.7	976.4	975.6	975.2	977.2
22.5°	961.0	958.6	957.9	958.1	960.9	963.8	960.9	958.1	957.9	958.6	961.0
25°	933.8	931.4	930.5	930.3	932.6	934.9	932.6	930.3	930.5	931.4	933.8
27.5°	903.4	901.6	900.9	900.8	902.5	904.1	902.5	900.8	900.9	901.6	903.4
30°	881.5	879.5	878.9	878.8	880.5	882.1	880.5	878.8	878.9	879.5	881.5
32.5°	857.4	855.4	855.3	855.7	857.6	859.5	857.6	855.7	855.3	855.4	857.4
35°	820.7	819.1	819.4	820.0	821.7	823.3	821.7	820.0	819.4	819.1	820.7
37.5°	783.5	781.8	781.7	782.0	783.4	784.8	783.4	782.0	781.7	781.8	783.5
40°	757.5	755.5	755.2	755.3	757.0	758.6	757.0	755.3	755.2	755.5	757.5
42.5°	729.8	728.4	728.6	729.0	729.8	730.7	729.8	729.0	728.6	728.4	729.8
45°	688.0	686.5	686.5	686.7	687.3	688.0	687.3	686.7	686.5	686.5	688.0
47.5°	644.4	643.0	642.6	642.6	643.6	644.7	643.6	642.6	642.6	643.0	644.4
50°	614.0	612.5	611.9	611.7	613.0	614.3	613.0	611.7	611.9	612.5	614.0
52.5°	583.7	582.1	581.1	580.7	581.8	582.8	581.8	580.7	581.1	582.1	583.7
55°	537.2	535.6	534.3	533.4	534.1	534.8	534.1	533.4	534.3	535.6	537.2
57.5°	488.6	487.0	485.4	484.4	485.3	486.3	485.3	484.4	485.4	487.0	488.6
60°	455.4	453.8	452.5	451.6	452.3	453.0	452.3	451.6	452.5	453.8	455.4
62.5°	422.2	420.5	419.1	418.3	419.0	419.6	419.0	418.3	419.1	420.5	422.2
65°	372.1	370.5	369.2	368.2	368.6	368.9	368.6	368.2	369.2	370.5	372.1
67.5°	321.2	319.3	317.4	316.1	316.6	317.1	316.6	316.1	317.4	319.3	321.2
70°	287.2	285.5	283.9	282.6	282.6	282.6	282.6	282.6	283.9	285.5	287.2
72.5°	252.8	251.1	249.8	248.7	248.7	248.7	248.7	248.7	249.8	251.1	252.8
75°	202.1	200.7	199.1	197.8	197.4	197.1	197.4	197.8	199.1	200.7	202.1
77.5°	150.4	149.2	147.9	146.9	146.5	146.1	146.5	146.9	147.9	149.2	150.4
80°	118.8	117.8	116.8	115.9	115.2	114.5	115.2	115.9	116.8	117.8	118.8
82.5°	87.8	86.6	85.0	84.1	84.7	85.4	84.7	84.1	85.0	86.6	87.8
85°	45.1	44.0	42.6	41.6	41.2	40.9	41.2	41.6	42.6	44.0	45.1
87.5°	12.3	11.4	10.3	9.5	9.2	8.9	9.2	9.5	10.3	11.4	12.3
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: P1427661

CATALOG NUMBER: SQ2W-F-0U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1056.1	1056.1	1056.1	1056.1
2.5°	1058.7	1060.8	1055.8	1050.8
5°	1056.6	1059.0	1052.3	1045.7
7.5°	1048.4	1050.5	1043.9	1037.3
10°	1041.0	1043.3	1036.7	1030.1
12.5°	1032.5	1034.4	1027.8	1021.2
15°	1016.2	1018.0	1011.4	1004.8
17.5°	995.8	997.5	991.3	985.0
20°	981.5	983.3	977.3	971.4
22.5°	965.1	966.6	960.6	954.7
25°	937.4	938.6	932.7	926.7
27.5°	906.5	907.5	902.5	897.6
30°	884.8	886.1	881.1	876.2
32.5°	861.2	862.9	858.2	853.5
35°	824.3	826.1	822.1	818.1
37.5°	786.9	788.7	785.6	782.6
40°	761.1	763.0	759.7	756.4
42.5°	733.0	734.7	732.1	729.6
45°	691.0	692.6	690.3	688.0
47.5°	646.7	648.0	646.2	644.4
50°	616.3	617.5	615.2	612.9
52.5°	586.0	587.1	584.5	581.9
55°	539.2	540.0	537.0	534.0
57.5°	490.3	490.9	488.0	485.1
60°	457.4	458.2	455.6	453.0
62.5°	424.5	425.5	422.9	420.2
65°	374.1	375.0	372.7	370.4
67.5°	323.1	324.1	322.1	320.1
70°	288.8	289.6	287.6	285.6
72.5°	254.7	255.7	254.0	252.3
75°	203.0	203.5	202.6	201.6
77.5°	151.7	152.6	152.6	152.6
80°	119.7	120.5	120.5	120.5
82.5°	88.8	89.7	90.2	90.7
85°	46.1	47.0	47.7	48.3
87.5°	13.1	13.8	14.3	14.9
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427661  
 CATALOG NUMBER: SQ2W-F-0U-075D-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	21.52	23.16	21.88	23.47	23.79	21.43	23.07	21.80	23.39	23.70
	3H	23.36	24.85	23.74	25.17	25.53	23.26	24.74	23.63	25.07	25.43
	4H	24.09	25.49	24.49	25.84	26.21	23.97	25.37	24.37	25.72	26.10
	6H	24.56	25.86	24.97	26.23	26.62	24.42	25.72	24.83	26.08	26.47
	8H	24.74	25.99	25.17	26.37	26.77	24.59	25.83	25.01	26.22	26.62
	12H	24.85	26.04	25.28	26.42	26.85	24.68	25.87	25.11	26.25	26.68
4H	2H	22.18	23.58	22.58	23.93	24.30	22.12	23.52	22.51	23.86	24.24
	3H	24.27	25.45	24.68	25.84	26.24	24.18	25.35	24.59	25.75	26.15
	4H	25.11	26.18	25.55	26.59	27.03	25.00	26.07	25.43	26.48	26.92
	6H	25.71	26.64	26.16	27.08	27.54	25.57	26.50	26.02	26.94	27.40
	8H	25.94	26.81	26.40	27.26	27.72	25.78	26.65	26.24	27.10	27.56
	12H	26.09	26.88	26.57	27.35	27.82	25.91	26.69	26.39	27.17	27.64
8H	4H	25.42	26.29	25.88	26.73	27.20	25.32	26.19	25.78	26.64	27.10
	6H	26.14	26.87	26.64	27.36	27.83	26.01	26.74	26.51	27.22	27.70
	8H	26.46	27.11	26.97	27.61	28.10	26.30	26.95	26.81	27.46	27.94
	12H	26.68	27.25	27.18	27.74	28.30	26.49	27.06	26.99	27.55	28.11
12H	4H	25.45	26.24	25.93	26.71	27.18	25.36	26.14	25.84	26.62	27.09
	6H	26.20	26.85	26.71	27.36	27.84	26.08	26.73	26.58	27.23	27.72
	8H	26.57	27.15	27.08	27.64	28.20	26.42	27.00	26.93	27.49	28.05