

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: P1427708

Luminaire Tested: SQ2W-F-K-050U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427708  
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-K-050U-075D-L930-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 500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

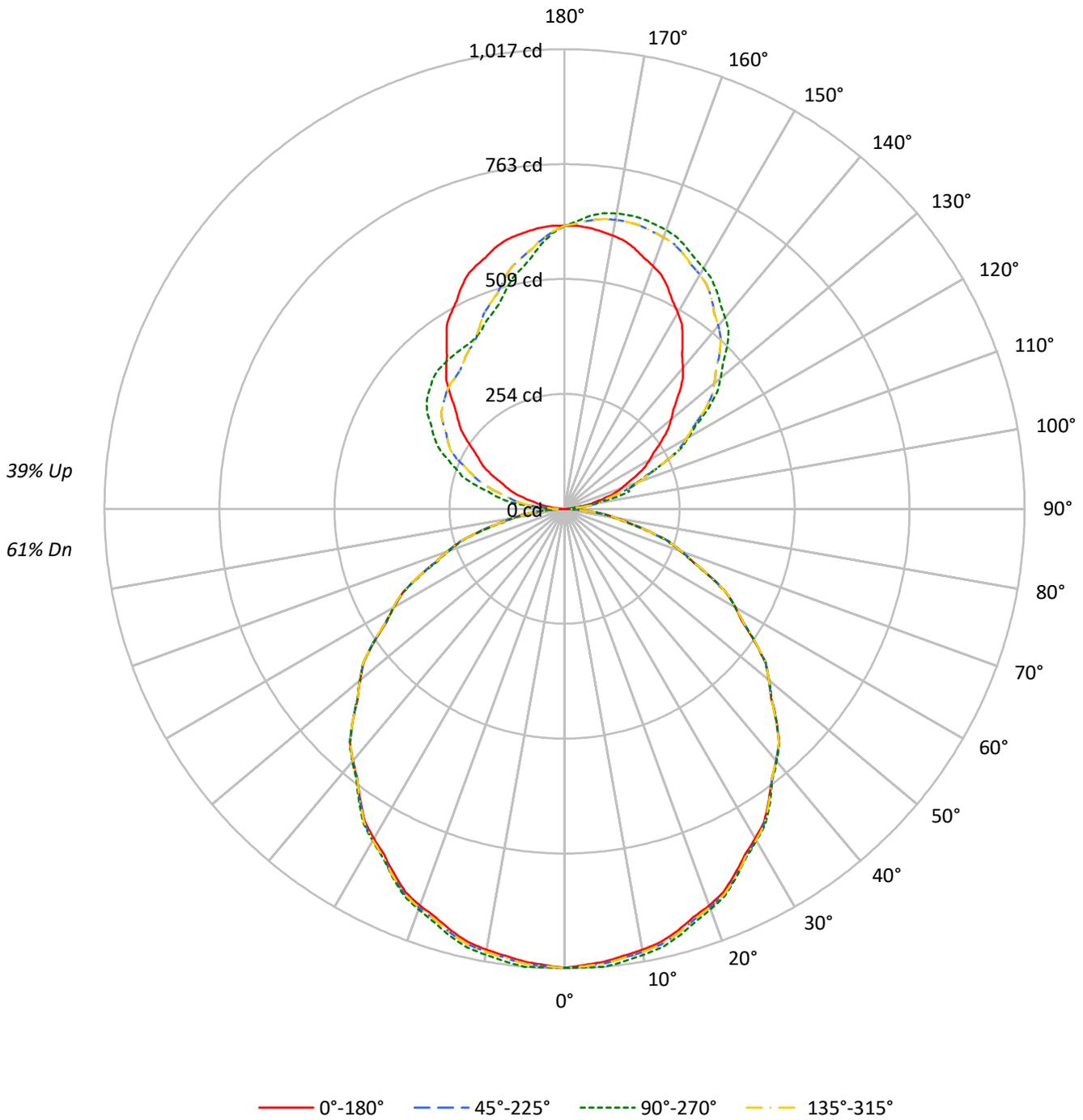
Lumens per Lamp: N/A  
Luminaire Lumens: 4689.5 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 41.6  
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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### 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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	93	90	86	83	78	76	73	68	66	64	58	57	56	51
2	91	83	77	71	85	78	72	68	68	64	60	59	56	53	51	49	46	42
3	83	73	65	59	77	69	62	56	60	55	50	52	48	45	45	42	39	36
4	76	65	56	50	70	61	53	48	53	47	43	46	42	38	40	37	34	30
5	69	57	49	43	65	54	47	41	48	42	37	42	37	33	36	32	29	26
6	64	52	43	37	60	49	41	35	43	37	32	38	33	29	33	29	26	23
7	59	47	38	33	55	44	36	31	39	33	28	34	29	26	30	26	23	20
8	55	42	34	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18
9	51	39	31	26	48	37	29	25	33	27	23	29	24	20	25	21	18	16
10	48	35	28	23	45	34	27	22	30	24	20	27	22	18	23	19	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	16401	16401	16401	16401
5°	16301	16486	16301	16486
10°	16244	16431	16244	16431
15°	16153	16357	16153	16357
20°	16051	16211	16051	16211
25°	15878	16019	15878	16019
30°	15711	15817	15711	15817
35°	15510	15608	15510	15608
40°	15333	15380	15333	15380
45°	15109	15109	15109	15109
50°	14805	14842	14805	14842
55°	14457	14477	14457	14477
60°	14066	14066	14066	14066
65°	13608	13555	13608	13555
70°	12968	12831	12968	12831
75°	12096	11828	12096	11828
80°	10776	10246	10776	10246
85°	8614	7280	8614	7280

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 15212 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.1	2.0
10°-20°	274.6	5.9
20°-30°	413.4	8.8
30°-40°	494.3	10.5
40°-50°	510.5	10.9
50°-60°	460.4	9.8
60°-70°	352.7	7.5
70°-80°	203.8	4.3
80°-90°	55.5	1.2
90°-100°	49.8	1.1
100°-110°	145.3	3.1
110°-120°	237.1	5.1
120°-130°	300.9	6.4
130°-140°	322.0	6.9
140°-150°	300.7	6.4
150°-160°	247.4	5.3
160°-170°	165.9	3.5
170°-180°	58.9	1.3
0°-30°	784.1	16.7
0°-40°	1278.5	27.3
0°-60°	2249.4	48.0
0°-90°	2861.4	61.0
90°-120°	432.3	9.2
90°-150°	1355.8	28.9
90°-180°	1828.0	39.0
0°-180°	4689.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1016	1016	1016	1016	1016	
5°	1006	1017	1006	1017	1006	95
15°	966	979	966	979	966	273
25°	891	899	891	899	891	411
35°	787	792	787	792	787	493
45°	662	662	662	662	662	510
55°	514	514	514	514	514	459
65°	356	355	356	355	356	352
75°	194	190	194	190	194	205
85°	46	39	46	39	46	54
90°	2	14	2	27	2	3
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1010.6	1015.5	1020.3	1018.3	1014.0	1012.3	1013.3	1014.2	1014.7	1015.2	1014.7
5°	1005.8	1012.1	1018.5	1016.3	1011.2	1009.0	1009.6	1010.9	1014.1	1017.2	1014.1
7.5°	997.6	1004.0	1010.3	1008.3	1003.5	1001.4	1002.2	1003.6	1006.9	1010.2	1006.9
10°	990.8	997.1	1003.5	1001.3	996.2	994.3	995.5	997.1	999.7	1002.2	999.7
12.5°	982.2	988.5	994.9	993.1	988.5	986.6	987.3	988.6	991.4	994.2	991.4
15°	966.4	972.8	979.2	977.4	973.0	971.2	972.2	973.5	976.1	978.6	976.1
17.5°	947.4	953.4	959.4	957.8	953.6	952.1	953.2	954.5	956.8	959.0	956.8
20°	934.2	940.0	945.7	944.0	939.9	938.0	938.3	939.1	941.3	943.5	941.3
22.5°	918.2	923.9	929.7	928.2	924.3	922.0	921.3	921.5	924.2	927.0	924.2
25°	891.3	897.1	902.8	901.6	898.1	895.9	894.9	894.7	897.0	899.2	897.0
27.5°	863.3	868.1	872.8	871.8	868.9	867.1	866.5	866.4	868.0	869.6	868.0
30°	842.7	847.5	852.2	851.0	847.9	845.9	845.3	845.2	846.8	848.4	846.8
32.5°	820.9	825.5	830.0	828.3	824.6	822.7	822.6	823.0	824.8	826.7	824.8
35°	786.9	790.7	794.5	792.8	789.4	787.8	788.1	788.7	790.3	791.9	790.3
37.5°	752.7	755.6	758.5	756.8	753.6	751.9	751.9	752.2	753.5	754.8	753.5
40°	727.5	730.7	733.9	732.0	728.5	726.6	726.3	726.5	728.1	729.7	728.1
42.5°	701.8	704.2	706.6	705.0	702.0	700.6	700.8	701.1	701.9	702.8	701.9
45°	661.7	663.9	666.2	664.6	661.7	660.3	660.3	660.4	661.1	661.7	661.1
47.5°	619.8	621.5	623.2	622.0	619.7	618.4	618.1	618.0	619.0	620.1	619.0
50°	589.4	591.7	593.9	592.8	590.6	589.1	588.5	588.3	589.6	590.9	589.6
52.5°	559.7	562.2	564.7	563.6	561.4	559.8	558.9	558.5	559.5	560.5	559.5
55°	513.6	516.5	519.3	518.6	516.7	515.1	513.9	513.1	513.7	514.3	513.7
57.5°	466.6	469.4	472.1	471.6	470.0	468.4	466.8	465.9	466.8	467.7	466.8
60°	435.6	438.2	440.7	439.9	438.0	436.4	435.2	434.4	435.0	435.6	435.0
62.5°	404.2	406.7	409.3	408.3	406.1	404.4	403.1	402.3	403.0	403.6	403.0
65°	356.2	358.5	360.7	359.8	357.9	356.3	355.1	354.2	354.5	354.8	354.5
67.5°	307.9	309.8	311.7	310.8	309.0	307.1	305.3	304.0	304.5	305.0	304.5
70°	274.7	276.6	278.5	277.8	276.2	274.6	273.0	271.8	271.8	271.8	271.8
72.5°	242.6	244.3	246.0	245.0	243.1	241.6	240.2	239.2	239.2	239.2	239.2
75°	193.9	194.8	195.8	195.3	194.3	193.1	191.5	190.2	189.9	189.6	189.9
77.5°	146.8	146.8	146.8	145.9	144.7	143.5	142.3	141.3	140.9	140.5	140.9
80°	115.9	115.9	115.9	115.2	114.2	113.3	112.3	111.4	110.8	110.2	110.8
82.5°	87.3	86.8	86.3	85.4	84.5	83.3	81.8	80.9	81.5	82.1	81.5
85°	46.5	45.9	45.2	44.4	43.4	42.3	41.0	40.0	39.7	39.3	39.7
87.5°	14.7	14.7	14.8	14.6	14.2	13.5	12.4	11.7	11.6	11.4	11.6
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1014.2	1013.3	1012.3	1014.0	1018.3	1020.3	1015.5	1010.6	1015.5	1020.3	1018.3
5°	1010.9	1009.6	1009.0	1011.2	1016.3	1018.5	1012.1	1005.8	1012.1	1018.5	1016.3
7.5°	1003.6	1002.2	1001.4	1003.5	1008.3	1010.3	1004.0	997.6	1004.0	1010.3	1008.3
10°	997.1	995.5	994.3	996.2	1001.3	1003.5	997.1	990.8	997.1	1003.5	1001.3
12.5°	988.6	987.3	986.6	988.5	993.1	994.9	988.5	982.2	988.5	994.9	993.1
15°	973.5	972.2	971.2	973.0	977.4	979.2	972.8	966.4	972.8	979.2	977.4
17.5°	954.5	953.2	952.1	953.6	957.8	959.4	953.4	947.4	953.4	959.4	957.8
20°	939.1	938.3	938.0	939.9	944.0	945.7	940.0	934.2	940.0	945.7	944.0
22.5°	921.5	921.3	922.0	924.3	928.2	929.7	923.9	918.2	923.9	929.7	928.2
25°	894.7	894.9	895.9	898.1	901.6	902.8	897.1	891.3	897.1	902.8	901.6
27.5°	866.4	866.5	867.1	868.9	871.8	872.8	868.1	863.3	868.1	872.8	871.8
30°	845.2	845.3	845.9	847.9	851.0	852.2	847.5	842.7	847.5	852.2	851.0
32.5°	823.0	822.6	822.7	824.6	828.3	830.0	825.5	820.9	825.5	830.0	828.3
35°	788.7	788.1	787.8	789.4	792.8	794.5	790.7	786.9	790.7	794.5	792.8
37.5°	752.2	751.9	751.9	753.6	756.8	758.5	755.6	752.7	755.6	758.5	756.8
40°	726.5	726.3	726.6	728.5	732.0	733.9	730.7	727.5	730.7	733.9	732.0
42.5°	701.1	700.8	700.6	702.0	705.0	706.6	704.2	701.8	704.2	706.6	705.0
45°	660.4	660.3	660.3	661.7	664.6	666.2	663.9	661.7	663.9	666.2	664.6
47.5°	618.0	618.1	618.4	619.7	622.0	623.2	621.5	619.8	621.5	623.2	622.0
50°	588.3	588.5	589.1	590.6	592.8	593.9	591.7	589.4	591.7	593.9	592.8
52.5°	558.5	558.9	559.8	561.4	563.6	564.7	562.2	559.7	562.2	564.7	563.6
55°	513.1	513.9	515.1	516.7	518.6	519.3	516.5	513.6	516.5	519.3	518.6
57.5°	465.9	466.8	468.4	470.0	471.6	472.1	469.4	466.6	469.4	472.1	471.6
60°	434.4	435.2	436.4	438.0	439.9	440.7	438.2	435.6	438.2	440.7	439.9
62.5°	402.3	403.1	404.4	406.1	408.3	409.3	406.7	404.2	406.7	409.3	408.3
65°	354.2	355.1	356.3	357.9	359.8	360.7	358.5	356.2	358.5	360.7	359.8
67.5°	304.0	305.3	307.1	309.0	310.8	311.7	309.8	307.9	309.8	311.7	310.8
70°	271.8	273.0	274.6	276.2	277.8	278.5	276.6	274.7	276.6	278.5	277.8
72.5°	239.2	240.2	241.6	243.1	245.0	246.0	244.3	242.6	244.3	246.0	245.0
75°	190.2	191.5	193.1	194.3	195.3	195.8	194.8	193.9	194.8	195.8	195.3
77.5°	141.3	142.3	143.5	144.7	145.9	146.8	146.8	146.8	146.8	146.8	145.9
80°	111.4	112.3	113.3	114.2	115.2	115.9	115.9	115.9	115.9	115.9	115.2
82.5°	80.9	81.8	83.3	84.5	85.4	86.3	86.8	87.3	86.8	86.3	85.4
85°	40.0	41.0	42.3	43.4	44.4	45.2	45.9	46.5	45.9	45.2	44.4
87.5°	11.7	12.4	13.5	14.2	14.6	14.8	14.7	14.7	14.7	14.7	14.9
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427708

CATALOG NUMBER: SQ2W-F-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427708

CATALOG NUMBER: SQ2W-F-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1014.0	1012.3	1013.3	1014.2	1014.7	1015.2	1014.7	1014.2	1013.3	1012.3	1014.0
5°	1011.2	1009.0	1009.6	1010.9	1014.1	1017.2	1014.1	1010.9	1009.6	1009.0	1011.2
7.5°	1003.5	1001.4	1002.2	1003.6	1006.9	1010.2	1006.9	1003.6	1002.2	1001.4	1003.5
10°	996.2	994.3	995.5	997.1	999.7	1002.2	999.7	997.1	995.5	994.3	996.2
12.5°	988.5	986.6	987.3	988.6	991.4	994.2	991.4	988.6	987.3	986.6	988.5
15°	973.0	971.2	972.2	973.5	976.1	978.6	976.1	973.5	972.2	971.2	973.0
17.5°	953.6	952.1	953.2	954.5	956.8	959.0	956.8	954.5	953.2	952.1	953.6
20°	939.9	938.0	938.3	939.1	941.3	943.5	941.3	939.1	938.3	938.0	939.9
22.5°	924.3	922.0	921.3	921.5	924.2	927.0	924.2	921.5	921.3	922.0	924.3
25°	898.1	895.9	894.9	894.7	897.0	899.2	897.0	894.7	894.9	895.9	898.1
27.5°	868.9	867.1	866.5	866.4	868.0	869.6	868.0	866.4	866.5	867.1	868.9
30°	847.9	845.9	845.3	845.2	846.8	848.4	846.8	845.2	845.3	845.9	847.9
32.5°	824.6	822.7	822.6	823.0	824.8	826.7	824.8	823.0	822.6	822.7	824.6
35°	789.4	787.8	788.1	788.7	790.3	791.9	790.3	788.7	788.1	787.8	789.4
37.5°	753.6	751.9	751.9	752.2	753.5	754.8	753.5	752.2	751.9	751.9	753.6
40°	728.5	726.6	726.3	726.5	728.1	729.7	728.1	726.5	726.3	726.6	728.5
42.5°	702.0	700.6	700.8	701.1	701.9	702.8	701.9	701.1	700.8	700.6	702.0
45°	661.7	660.3	660.3	660.4	661.1	661.7	661.1	660.4	660.3	660.3	661.7
47.5°	619.7	618.4	618.1	618.0	619.0	620.1	619.0	618.0	618.1	618.4	619.7
50°	590.6	589.1	588.5	588.3	589.6	590.9	589.6	588.3	588.5	589.1	590.6
52.5°	561.4	559.8	558.9	558.5	559.5	560.5	559.5	558.5	558.9	559.8	561.4
55°	516.7	515.1	513.9	513.1	513.7	514.3	513.7	513.1	513.9	515.1	516.7
57.5°	470.0	468.4	466.8	465.9	466.8	467.7	466.8	465.9	466.8	468.4	470.0
60°	438.0	436.4	435.2	434.4	435.0	435.6	435.0	434.4	435.2	436.4	438.0
62.5°	406.1	404.4	403.1	402.3	403.0	403.6	403.0	402.3	403.1	404.4	406.1
65°	357.9	356.3	355.1	354.2	354.5	354.8	354.5	354.2	355.1	356.3	357.9
67.5°	309.0	307.1	305.3	304.0	304.5	305.0	304.5	304.0	305.3	307.1	309.0
70°	276.2	274.6	273.0	271.8	271.8	271.8	271.8	271.8	273.0	274.6	276.2
72.5°	243.1	241.6	240.2	239.2	239.2	239.2	239.2	239.2	240.2	241.6	243.1
75°	194.3	193.1	191.5	190.2	189.9	189.6	189.9	190.2	191.5	193.1	194.3
77.5°	144.7	143.5	142.3	141.3	140.9	140.5	140.9	141.3	142.3	143.5	144.7
80°	114.2	113.3	112.3	111.4	110.8	110.2	110.8	111.4	112.3	113.3	114.2
82.5°	84.5	83.3	81.8	80.9	81.5	82.1	81.5	80.9	81.8	83.3	84.5
85°	43.4	42.3	41.0	40.0	39.7	39.3	39.7	40.0	41.0	42.3	43.4
87.5°	14.7	14.7	14.6	14.3	14.5	14.0	14.5	14.3	14.6	14.7	14.7
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427708

CATALOG NUMBER: SQ2W-F-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427708

CATALOG NUMBER: SQ2W-F-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1015.8	1015.8	1015.8	1015.8
2.5°	1018.3	1020.3	1015.5	1010.6
5°	1016.3	1018.5	1012.1	1005.8
7.5°	1008.3	1010.3	1004.0	997.6
10°	1001.3	1003.5	997.1	990.8
12.5°	993.1	994.9	988.5	982.2
15°	977.4	979.2	972.8	966.4
17.5°	957.8	959.4	953.4	947.4
20°	944.0	945.7	940.0	934.2
22.5°	928.2	929.7	923.9	918.2
25°	901.6	902.8	897.1	891.3
27.5°	871.8	872.8	868.1	863.3
30°	851.0	852.2	847.5	842.7
32.5°	828.3	830.0	825.5	820.9
35°	792.8	794.5	790.7	786.9
37.5°	756.8	758.5	755.6	752.7
40°	732.0	733.9	730.7	727.5
42.5°	705.0	706.6	704.2	701.8
45°	664.6	666.2	663.9	661.7
47.5°	622.0	623.2	621.5	619.8
50°	592.8	593.9	591.7	589.4
52.5°	563.6	564.7	562.2	559.7
55°	518.6	519.3	516.5	513.6
57.5°	471.6	472.1	469.4	466.6
60°	439.9	440.7	438.2	435.6
62.5°	408.3	409.3	406.7	404.2
65°	359.8	360.7	358.5	356.2
67.5°	310.8	311.7	309.8	307.9
70°	277.8	278.5	276.6	274.7
72.5°	245.0	246.0	244.3	242.6
75°	195.3	195.8	194.8	193.9
77.5°	145.9	146.8	146.8	146.8
80°	115.2	115.9	115.9	115.9
82.5°	85.4	86.3	86.8	87.3
85°	44.4	45.2	45.9	46.5
87.5°	14.9	14.7	14.7	14.7
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1427708

CATALOG NUMBER: SQ2W-F-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1427708  
 CATALOG NUMBER: SQ2W-F-K-050U-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	18.54	19.52	19.39	20.40	21.50	18.45	19.44	19.30	20.31	21.42
	3H	20.33	21.22	21.20	22.11	23.24	20.23	21.12	21.10	22.00	23.13
	4H	21.04	21.87	21.92	22.77	23.91	20.92	21.76	21.80	22.65	23.79
	6H	21.48	22.25	22.37	23.15	24.31	21.34	22.11	22.23	23.01	24.16
	8H	21.64	22.38	22.55	23.30	24.45	21.49	22.22	22.39	23.14	24.29
	12H	21.73	22.43	22.64	23.35	24.52	21.56	22.26	22.46	23.17	24.35
4H	2H	19.13	19.97	20.02	20.86	22.00	19.06	19.90	19.95	20.79	21.93
	3H	21.16	21.86	22.06	22.79	23.94	21.07	21.77	21.97	22.69	23.85
	4H	21.98	22.62	22.89	23.54	24.72	21.87	22.51	22.78	23.43	24.61
	6H	22.54	23.09	23.47	24.04	25.22	22.40	22.95	23.32	23.90	25.08
	8H	22.76	23.28	23.69	24.21	25.41	22.60	23.12	23.53	24.05	25.25
	12H	22.88	23.35	23.83	24.30	25.50	22.69	23.16	23.64	24.12	25.32
8H	4H	22.24	22.75	23.16	23.69	24.89	22.14	22.66	23.07	23.59	24.79
	6H	22.93	23.36	23.88	24.34	25.53	22.80	23.23	23.75	24.21	25.40
	8H	23.24	23.62	24.20	24.59	25.80	23.08	23.46	24.04	24.43	25.64
	12H	23.43	23.76	24.39	24.72	25.99	23.24	23.57	24.20	24.53	25.79
12H	4H	22.24	22.70	23.18	23.66	24.86	22.14	22.61	23.09	23.57	24.77
	6H	22.98	23.36	23.95	24.33	25.54	22.86	23.24	23.82	24.21	25.42
	8H	23.32	23.66	24.29	24.62	25.88	23.17	23.51	24.14	24.47	25.73