

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: P1428039

Luminaire Tested: SQ2W-PP3-K-050U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428039  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-050U-050D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

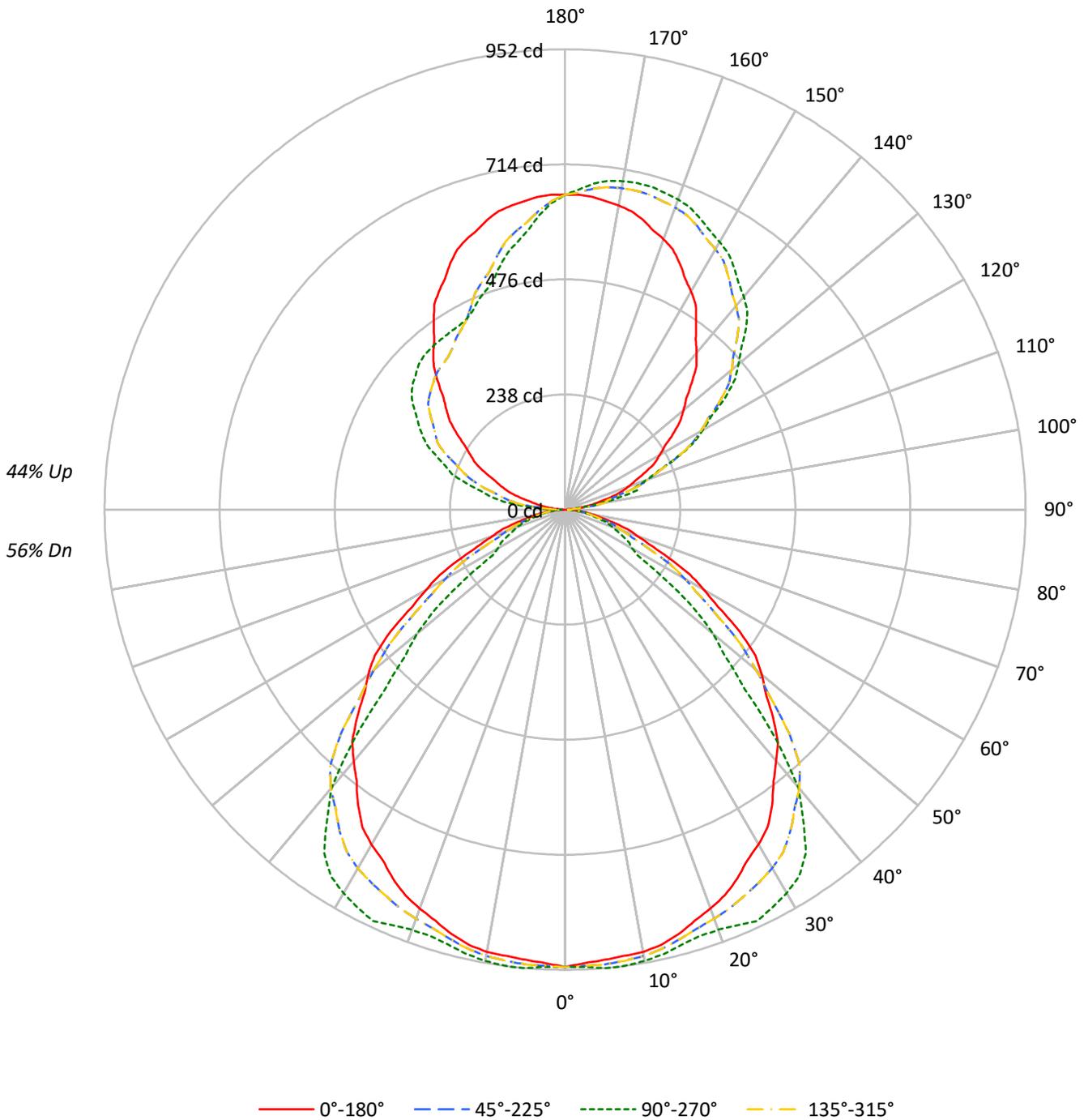
Lumens per Lamp: N/A  
Luminaire Lumens: 4285.8 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.7  
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

TEST NUMBER: P1428039

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-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	50	30	10	0	
RCR																						
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56				
1	100	96	92	89	93	89	86	83	77	74	72	66	64	62	55	54	53	48				
2	91	84	78	73	85	78	73	69	68	64	61	58	55	53	49	47	45	41				
3	84	74	67	62	77	69	63	58	60	56	52	52	48	45	44	41	39	35				
4	77	66	58	52	71	62	55	50	54	49	44	47	42	39	40	37	34	31				
5	70	59	51	45	65	55	48	43	48	43	39	42	38	34	36	33	30	27				
6	65	53	45	39	60	50	43	38	44	38	34	38	34	30	33	29	27	24				
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21				
8	56	44	36	31	52	41	34	29	36	31	27	32	27	24	27	24	21	19				
9	52	40	32	27	48	38	31	26	33	28	24	29	25	22	25	22	19	17				
10	49	37	29	25	45	35	28	24	31	25	22	27	23	19	23	20	17	16				

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

	0°	90°	180°	270°
0°	15274	15274	15274	15274
5°	15154	15429	15154	15429
10°	15231	15542	15231	15542
15°	15194	15578	15194	15578
20°	15086	15893	15086	15893
25°	15000	16728	15000	16728
30°	14915	17077	14915	17077
35°	14704	17108	14704	17108
40°	14311	15807	14311	15807
45°	13883	12033	13883	12033
50°	13338	10022	13338	10022
55°	12414	7206	12414	7206
60°	10688	5167	10688	5167
65°	9016	5081	9016	5081
70°	7506	4862	7506	4862
75°	6363	4554	6363	4554
80°	5393	4091	5393	4091
85°	4261	2223	4261	2223

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 15186 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	2.1
10°-20°	260.7	6.1
20°-30°	408.4	9.5
30°-40°	503.8	11.8
40°-50°	474.3	11.1
50°-60°	335.9	7.8
60°-70°	191.4	4.5
70°-80°	94.7	2.2
80°-90°	25.8	0.6
90°-100°	51.8	1.2
100°-110°	151.1	3.5
110°-120°	246.5	5.8
120°-130°	312.9	7.3
130°-140°	334.8	7.8
140°-150°	312.6	7.3
150°-160°	257.2	6.0
160°-170°	172.5	4.0
170°-180°	61.3	1.4
0°-30°	759.2	17.7
0°-40°	1263.0	29.5
0°-60°	2073.2	48.4
0°-90°	2385.2	55.7
90°-120°	449.4	10.5
90°-150°	1409.7	32.9
90°-180°	1901.0	44.4
0°-180°	4285.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	946	946	946	946	946	
5°	935	952	935	952	935	89
15°	909	932	909	932	909	256
25°	842	939	842	939	842	388
35°	746	868	746	868	746	465
45°	608	527	608	527	608	468
55°	441	256	441	256	441	389
65°	236	133	236	133	236	237
75°	102	73	102	73	102	111
85°	23	12	23	12	23	27
90°	2	14	2	28	2	3
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	938.8	944.9	950.9	949.5	945.6	944.0	944.7	945.4	946.1	946.8	946.1
5°	935.0	942.6	950.1	949.0	945.0	943.5	944.3	945.8	948.9	952.0	948.9
7.5°	931.4	939.1	946.9	945.9	942.0	940.8	942.3	944.4	948.2	952.0	948.2
10°	929.0	935.7	942.3	941.3	937.8	937.1	939.3	941.8	944.9	948.0	944.9
12.5°	921.8	928.1	934.4	933.6	930.4	930.3	933.2	936.1	938.9	941.6	938.9
15°	909.0	914.8	920.6	920.7	918.9	920.0	924.0	927.6	929.8	932.0	929.8
17.5°	891.6	898.6	905.7	907.3	907.1	909.9	915.5	920.4	922.7	925.0	922.7
20°	878.0	886.5	894.9	897.7	898.6	902.6	909.7	916.1	920.6	925.0	920.6
22.5°	863.6	873.5	883.3	887.0	888.6	894.7	905.4	915.3	923.0	930.6	923.0
25°	842.0	851.8	861.6	868.7	874.9	885.8	901.3	915.9	927.5	939.0	927.5
27.5°	816.8	826.5	836.2	848.4	861.5	876.8	894.3	909.7	918.9	928.0	918.9
30°	800.0	809.3	818.7	832.7	848.2	865.1	883.3	899.1	907.6	916.0	907.6
32.5°	779.2	788.9	798.6	813.5	830.1	848.2	867.9	884.5	892.3	900.0	892.3
35°	746.0	755.3	764.7	782.0	802.0	822.2	842.7	859.1	863.6	868.0	863.6
37.5°	707.8	718.4	729.0	748.4	770.8	787.7	799.2	807.9	808.1	808.4	808.1
40°	679.0	692.8	706.6	726.0	747.3	759.1	761.3	761.6	755.8	750.0	755.8
42.5°	651.0	668.7	686.4	702.0	716.9	720.0	711.2	698.2	672.5	646.8	672.5
45°	608.0	628.9	649.8	659.3	665.1	645.6	600.7	562.6	544.8	527.0	544.8
47.5°	562.2	582.8	603.4	600.8	590.4	560.8	512.0	472.3	460.1	447.8	460.1
50°	531.0	550.6	570.1	556.0	530.7	497.3	456.0	422.1	410.6	399.0	410.6
52.5°	495.8	513.2	530.6	509.3	475.1	440.0	404.0	372.6	355.0	337.4	355.0
55°	441.0	453.0	465.0	441.7	406.6	367.9	325.7	289.8	272.9	256.0	272.9
57.5°	375.0	383.4	391.9	373.5	346.2	307.8	258.2	216.3	197.3	178.4	197.3
60°	331.0	337.7	344.3	327.7	303.2	266.6	217.7	178.7	169.3	160.0	169.3
62.5°	291.0	297.0	302.9	285.5	260.4	227.6	187.3	156.2	152.9	149.6	152.9
65°	236.0	241.8	247.6	229.3	203.1	177.6	152.7	133.9	133.4	133.0	133.4
67.5°	187.8	194.1	200.4	183.3	158.3	139.4	126.6	116.9	116.3	115.8	116.3
70°	159.0	165.7	172.3	156.3	132.8	117.4	110.3	104.8	103.9	103.0	103.9
72.5°	135.0	141.3	147.6	133.7	113.0	100.3	95.7	92.1	91.5	91.0	91.5
75°	102.0	106.9	111.8	101.7	86.6	77.9	75.7	73.9	73.4	73.0	73.4
77.5°	74.0	77.1	80.2	73.6	63.7	58.2	57.1	56.1	55.6	55.2	55.6
80°	58.0	59.3	60.7	56.0	49.3	45.8	45.3	44.9	44.4	44.0	44.4
82.5°	43.6	43.2	42.7	40.0	36.5	34.6	34.1	33.6	32.8	32.0	32.8
85°	23.0	22.1	21.2	20.3	19.4	18.1	16.3	14.7	13.3	12.0	13.3
87.5°	7.6	8.1	8.8	8.0	6.6	5.7	5.3	5.2	5.3	5.3	5.3
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	945.4	944.7	944.0	945.6	949.5	950.9	944.9	938.8	944.9	950.9	949.5
5°	945.8	944.3	943.5	945.0	949.0	950.1	942.6	935.0	942.6	950.1	949.0
7.5°	944.4	942.3	940.8	942.0	945.9	946.9	939.1	931.4	939.1	946.9	945.9
10°	941.8	939.3	937.1	937.8	941.3	942.3	935.7	929.0	935.7	942.3	941.3
12.5°	936.1	933.2	930.3	930.4	933.6	934.4	928.1	921.8	928.1	934.4	933.6
15°	927.6	924.0	920.0	918.9	920.7	920.6	914.8	909.0	914.8	920.6	920.7
17.5°	920.4	915.5	909.9	907.1	907.3	905.7	898.6	891.6	898.6	905.7	907.3
20°	916.1	909.7	902.6	898.6	897.7	894.9	886.5	878.0	886.5	894.9	897.7
22.5°	915.3	905.4	894.7	888.6	887.0	883.3	873.5	863.6	873.5	883.3	887.0
25°	915.9	901.3	885.8	874.9	868.7	861.6	851.8	842.0	851.8	861.6	868.7
27.5°	909.7	894.3	876.8	861.5	848.4	836.2	826.5	816.8	826.5	836.2	848.4
30°	899.1	883.3	865.1	848.2	832.7	818.7	809.3	800.0	809.3	818.7	832.7
32.5°	884.5	867.9	848.2	830.1	813.5	798.6	788.9	779.2	788.9	798.6	813.5
35°	859.1	842.7	822.2	802.0	782.0	764.7	755.3	746.0	755.3	764.7	782.0
37.5°	807.9	799.2	787.7	770.8	748.4	729.0	718.4	707.8	718.4	729.0	748.4
40°	761.6	761.3	759.1	747.3	726.0	706.6	692.8	679.0	692.8	706.6	726.0
42.5°	698.2	711.2	720.0	716.9	702.0	686.4	668.7	651.0	668.7	686.4	702.0
45°	562.6	600.7	645.6	665.1	659.3	649.8	628.9	608.0	628.9	649.8	659.3
47.5°	472.3	512.0	560.8	590.4	600.8	603.4	582.8	562.2	582.8	603.4	600.8
50°	422.1	456.0	497.3	530.7	556.0	570.1	550.6	531.0	550.6	570.1	556.0
52.5°	372.6	404.0	440.0	475.1	509.3	530.6	513.2	495.8	513.2	530.6	509.3
55°	289.8	325.7	367.9	406.6	441.7	465.0	453.0	441.0	453.0	465.0	441.7
57.5°	216.3	258.2	307.8	346.2	373.5	391.9	383.4	375.0	383.4	391.9	373.5
60°	178.7	217.7	266.6	303.2	327.7	344.3	337.7	331.0	337.7	344.3	327.7
62.5°	156.2	187.3	227.6	260.4	285.5	302.9	297.0	291.0	297.0	302.9	285.5
65°	133.9	152.7	177.6	203.1	229.3	247.6	241.8	236.0	241.8	247.6	229.3
67.5°	116.9	126.6	139.4	158.3	183.3	200.4	194.1	187.8	194.1	200.4	183.3
70°	104.8	110.3	117.4	132.8	156.3	172.3	165.7	159.0	165.7	172.3	156.3
72.5°	92.1	95.7	100.3	113.0	133.7	147.6	141.3	135.0	141.3	147.6	133.7
75°	73.9	75.7	77.9	86.6	101.7	111.8	106.9	102.0	106.9	111.8	101.7
77.5°	56.1	57.1	58.2	63.7	73.6	80.2	77.1	74.0	77.1	80.2	73.6
80°	44.9	45.3	45.8	49.3	56.0	60.7	59.3	58.0	59.3	60.7	56.0
82.5°	33.6	34.1	34.6	36.5	40.0	42.7	43.2	43.6	43.2	42.7	40.0
85°	14.7	16.3	18.1	19.4	20.3	21.2	22.1	23.0	22.1	21.2	20.3
87.5°	5.2	5.3	5.7	6.6	8.0	8.8	8.1	7.6	8.1	8.6	8.2
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1428039

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428039

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	945.6	944.0	944.7	945.4	946.1	946.8	946.1	945.4	944.7	944.0	945.6
5°	945.0	943.5	944.3	945.8	948.9	952.0	948.9	945.8	944.3	943.5	945.0
7.5°	942.0	940.8	942.3	944.4	948.2	952.0	948.2	944.4	942.3	940.8	942.0
10°	937.8	937.1	939.3	941.8	944.9	948.0	944.9	941.8	939.3	937.1	937.8
12.5°	930.4	930.3	933.2	936.1	938.9	941.6	938.9	936.1	933.2	930.3	930.4
15°	918.9	920.0	924.0	927.6	929.8	932.0	929.8	927.6	924.0	920.0	918.9
17.5°	907.1	909.9	915.5	920.4	922.7	925.0	922.7	920.4	915.5	909.9	907.1
20°	898.6	902.6	909.7	916.1	920.6	925.0	920.6	916.1	909.7	902.6	898.6
22.5°	888.6	894.7	905.4	915.3	923.0	930.6	923.0	915.3	905.4	894.7	888.6
25°	874.9	885.8	901.3	915.9	927.5	939.0	927.5	915.9	901.3	885.8	874.9
27.5°	861.5	876.8	894.3	909.7	918.9	928.0	918.9	909.7	894.3	876.8	861.5
30°	848.2	865.1	883.3	899.1	907.6	916.0	907.6	899.1	883.3	865.1	848.2
32.5°	830.1	848.2	867.9	884.5	892.3	900.0	892.3	884.5	867.9	848.2	830.1
35°	802.0	822.2	842.7	859.1	863.6	868.0	863.6	859.1	842.7	822.2	802.0
37.5°	770.8	787.7	799.2	807.9	808.1	808.4	808.1	807.9	799.2	787.7	770.8
40°	747.3	759.1	761.3	761.6	755.8	750.0	755.8	761.6	761.3	759.1	747.3
42.5°	716.9	720.0	711.2	698.2	672.5	646.8	672.5	698.2	711.2	720.0	716.9
45°	665.1	645.6	600.7	562.6	544.8	527.0	544.8	562.6	600.7	645.6	665.1
47.5°	590.4	560.8	512.0	472.3	460.1	447.8	460.1	472.3	512.0	560.8	590.4
50°	530.7	497.3	456.0	422.1	410.6	399.0	410.6	422.1	456.0	497.3	530.7
52.5°	475.1	440.0	404.0	372.6	355.0	337.4	355.0	372.6	404.0	440.0	475.1
55°	406.6	367.9	325.7	289.8	272.9	256.0	272.9	289.8	325.7	367.9	406.6
57.5°	346.2	307.8	258.2	216.3	197.3	178.4	197.3	216.3	258.2	307.8	346.2
60°	303.2	266.6	217.7	178.7	169.3	160.0	169.3	178.7	217.7	266.6	303.2
62.5°	260.4	227.6	187.3	156.2	152.9	149.6	152.9	156.2	187.3	227.6	260.4
65°	203.1	177.6	152.7	133.9	133.4	133.0	133.4	133.9	152.7	177.6	203.1
67.5°	158.3	139.4	126.6	116.9	116.3	115.8	116.3	116.9	126.6	139.4	158.3
70°	132.8	117.4	110.3	104.8	103.9	103.0	103.9	104.8	110.3	117.4	132.8
72.5°	113.0	100.3	95.7	92.1	91.5	91.0	91.5	92.1	95.7	100.3	113.0
75°	86.6	77.9	75.7	73.9	73.4	73.0	73.4	73.9	75.7	77.9	86.6
77.5°	63.7	58.2	57.1	56.1	55.6	55.2	55.6	56.1	57.1	58.2	63.7
80°	49.3	45.8	45.3	44.9	44.4	44.0	44.4	44.9	45.3	45.8	49.3
82.5°	36.5	34.6	34.1	33.6	32.8	32.0	32.8	33.6	34.1	34.6	36.5
85°	19.4	18.1	16.3	14.7	13.3	12.0	13.3	14.7	16.3	18.1	19.4
87.5°	7.1	7.0	7.5	7.8	8.3	8.1	8.3	7.8	7.5	7.0	7.1
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1428039

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	417.5	401.1	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428039

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	946.0	946.0	946.0	946.0
2.5°	949.5	950.9	944.9	938.8
5°	949.0	950.1	942.6	935.0
7.5°	945.9	946.9	939.1	931.4
10°	941.3	942.3	935.7	929.0
12.5°	933.6	934.4	928.1	921.8
15°	920.7	920.6	914.8	909.0
17.5°	907.3	905.7	898.6	891.6
20°	897.7	894.9	886.5	878.0
22.5°	887.0	883.3	873.5	863.6
25°	868.7	861.6	851.8	842.0
27.5°	848.4	836.2	826.5	816.8
30°	832.7	818.7	809.3	800.0
32.5°	813.5	798.6	788.9	779.2
35°	782.0	764.7	755.3	746.0
37.5°	748.4	729.0	718.4	707.8
40°	726.0	706.6	692.8	679.0
42.5°	702.0	686.4	668.7	651.0
45°	659.3	649.8	628.9	608.0
47.5°	600.8	603.4	582.8	562.2
50°	556.0	570.1	550.6	531.0
52.5°	509.3	530.6	513.2	495.8
55°	441.7	465.0	453.0	441.0
57.5°	373.5	391.9	383.4	375.0
60°	327.7	344.3	337.7	331.0
62.5°	285.5	302.9	297.0	291.0
65°	229.3	247.6	241.8	236.0
67.5°	183.3	200.4	194.1	187.8
70°	156.3	172.3	165.7	159.0
72.5°	133.7	147.6	141.3	135.0
75°	101.7	111.8	106.9	102.0
77.5°	73.6	80.2	77.1	74.0
80°	56.0	60.7	59.3	58.0
82.5°	40.0	42.7	43.2	43.6
85°	20.3	21.2	22.1	23.0
87.5°	8.2	8.6	8.1	7.6
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1428039

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1428039  
 CATALOG NUMBER: SQ2W-PP3-K-050U-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	17.44	18.32	18.35	19.24	20.43	13.21	14.09	14.12	15.02	16.21
	3H	18.50	19.28	19.43	20.22	21.44	14.52	15.30	15.45	16.24	17.46
	4H	18.87	19.61	19.81	20.55	21.78	15.08	15.82	16.02	16.76	17.98
	6H	19.06	19.74	20.02	20.69	21.93	15.44	16.12	16.39	17.07	18.31
	8H	19.13	19.77	20.09	20.74	21.97	15.57	16.22	16.53	17.18	18.42
	12H	19.15	19.76	20.11	20.72	21.98	15.61	16.22	16.57	17.18	18.44
4H	2H	17.56	18.30	18.51	19.24	20.47	14.12	14.86	15.07	15.80	17.03
	3H	18.85	19.47	19.81	20.44	21.68	15.55	16.16	16.50	17.13	18.37
	4H	19.36	19.92	20.33	20.89	22.15	16.17	16.73	17.13	17.69	18.96
	6H	19.68	20.16	20.66	21.15	22.41	16.61	17.09	17.59	18.08	19.35
	8H	19.79	20.24	20.77	21.22	22.50	16.78	17.23	17.76	18.22	19.49
	12H	19.83	20.24	20.83	21.24	22.52	16.83	17.24	17.83	18.24	19.52
8H	4H	19.38	19.83	20.36	20.82	22.09	16.48	16.93	17.46	17.91	19.19
	6H	19.80	20.17	20.80	21.19	22.47	17.04	17.41	18.04	18.43	19.71
	8H	19.98	20.30	20.99	21.32	22.61	17.29	17.61	18.30	18.63	19.92
	12H	20.08	20.36	21.09	21.37	22.71	17.39	17.67	18.40	18.68	20.02
12H	4H	19.34	19.75	20.34	20.75	22.03	16.49	16.89	17.49	17.90	19.18
	6H	19.79	20.12	20.80	21.13	22.42	17.10	17.43	18.12	18.44	19.74
	8H	19.99	20.28	21.00	21.28	22.62	17.38	17.67	18.39	18.67	20.01