

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: P1428225

Luminaire Tested: SQ2W-PR1-K-050U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428225  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PR1-K-050U-125D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

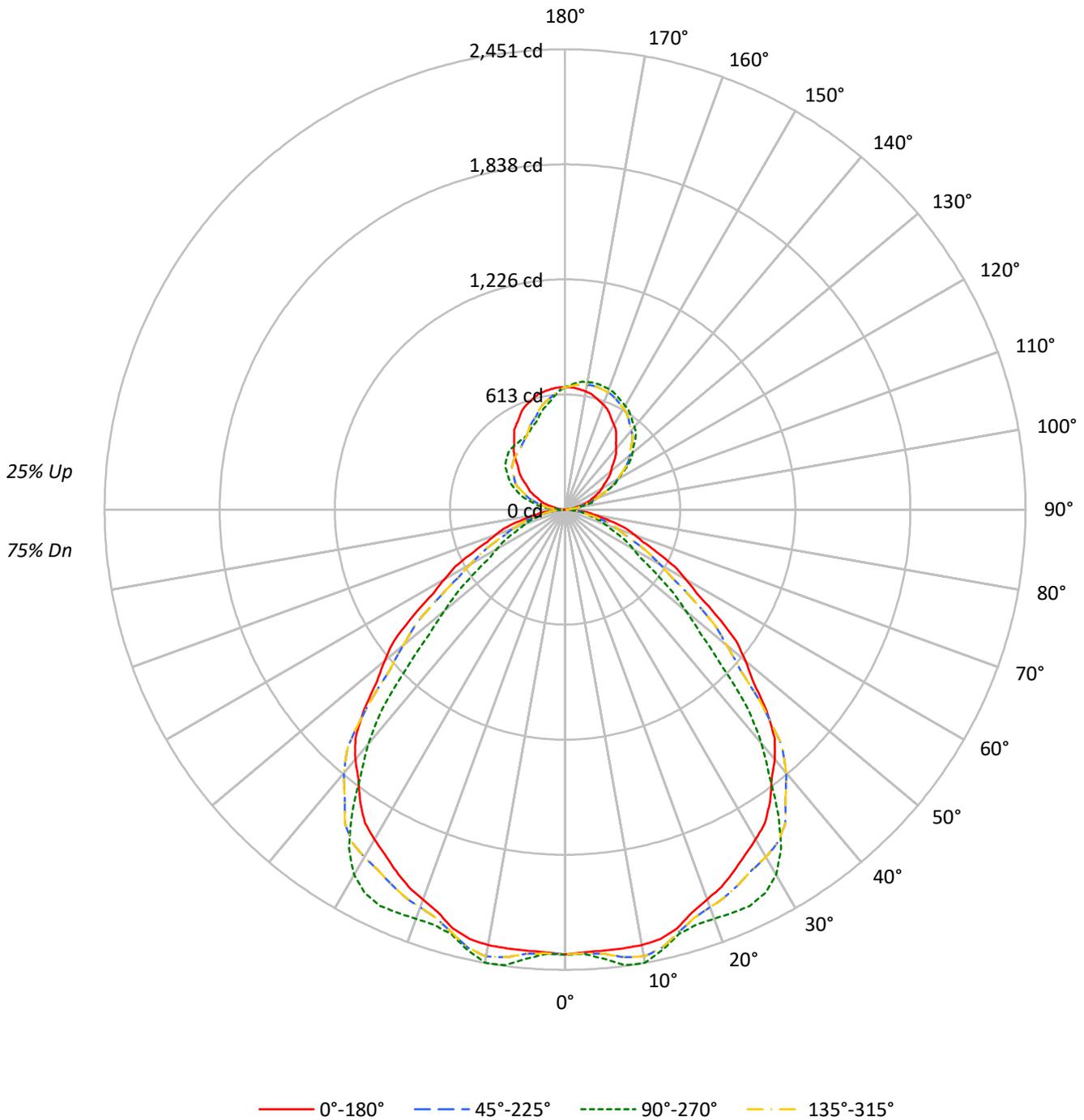
Lumens per Lamp: N/A  
Luminaire Lumens: 7603.1 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 64.1  
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-PR1-K-050U-125D-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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	104	100	97	93	99	96	92	89	87	84	82	79	77	75	71	70	69	65
2	96	89	83	78	91	85	79	75	77	73	69	70	67	64	64	61	59	56
3	88	79	72	66	84	75	69	64	69	64	59	63	59	55	57	54	51	48
4	81	70	63	57	77	67	60	55	62	56	51	57	52	48	52	48	45	42
5	75	63	55	49	71	61	53	48	56	50	45	51	46	42	47	43	40	37
6	69	57	49	43	66	55	47	42	51	44	40	47	41	38	43	39	35	33
7	64	52	44	38	61	50	43	37	46	40	35	43	37	33	39	35	32	29
8	60	47	40	34	57	46	38	33	42	36	32	39	34	30	36	32	28	26
9	56	43	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24
10	52	40	33	28	50	39	32	27	36	30	26	34	28	25	31	27	24	22

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

	0°	90°	180°	270°
0°	38252	38252	38252	38252
5°	38202	38907	38202	38907
10°	38604	40188	38604	40188
15°	38592	39117	38592	39117
20°	37968	39836	37968	39836
25°	37860	41474	37860	41474
30°	37820	41873	37820	41873
35°	37461	38985	37461	38985
40°	36597	34306	36597	34306
45°	34631	27130	34631	27130
50°	31483	21049	31483	21049
55°	27668	16383	27668	16383
60°	23941	13491	23941	13491
65°	20668	11809	20668	11809
70°	18585	10489	18585	10489
75°	17024	9644	17024	9644
80°	14821	9428	14821	9428
85°	10744	4483	10744	4483

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 37179 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.8	3.0
10°-20°	662.3	8.7
20°-30°	1023.8	13.5
30°-40°	1231.3	16.2
40°-50°	1105.7	14.5
50°-60°	740.9	9.7
60°-70°	431.0	5.7
70°-80°	221.4	2.9
80°-90°	57.3	0.8
90°-100°	51.8	0.7
100°-110°	151.1	2.0
110°-120°	246.5	3.2
120°-130°	312.9	4.1
130°-140°	334.8	4.4
140°-150°	312.6	4.1
150°-160°	257.2	3.4
160°-170°	172.5	2.3
170°-180°	61.3	0.8
0°-30°	1915.0	25.2
0°-40°	3146.3	41.4
0°-60°	4992.8	65.7
0°-90°	5702.5	75.0
90°-120°	449.4	5.9
90°-150°	1409.7	18.5
90°-180°	1901.0	25.0
0°-180°	7603.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2369	2369	2369	2369	2369	
5°	2357	2401	2357	2401	2357	225
15°	2309	2340	2309	2340	2309	648
25°	2125	2328	2125	2328	2125	980
35°	1901	1978	1901	1978	1901	1185
45°	1517	1188	1517	1188	1517	1160
55°	983	582	983	582	983	883
65°	541	309	541	309	541	547
75°	273	155	273	155	273	290
85°	58	24	58	24	58	72
90°	2	14	2	28	2	4
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°	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2
2.5°	2359.5	2372.4	2385.3	2379.5	2367.5	2361.9	2362.7	2364.0	2366.6	2369.2	2366.6
5°	2357.1	2375.3	2393.6	2389.3	2377.5	2372.7	2374.8	2379.1	2389.8	2400.6	2389.8
7.5°	2356.6	2382.6	2408.6	2410.5	2404.5	2404.6	2410.9	2419.1	2433.3	2447.4	2433.3
10°	2354.7	2385.8	2416.9	2421.5	2417.2	2415.6	2416.7	2421.2	2436.3	2451.3	2436.3
12.5°	2343.1	2379.4	2415.6	2411.8	2394.7	2385.3	2383.8	2384.7	2392.9	2401.0	2392.9
15°	2308.8	2351.7	2394.7	2377.2	2339.7	2322.5	2325.7	2329.5	2334.8	2340.2	2334.8
17.5°	2248.4	2293.3	2338.2	2322.5	2286.6	2274.5	2286.1	2297.4	2307.9	2318.5	2307.9
20°	2209.8	2253.8	2297.8	2287.1	2258.1	2251.1	2266.1	2282.0	2300.2	2318.5	2300.2
22.5°	2175.0	2219.0	2263.0	2256.1	2232.3	2230.9	2252.0	2274.0	2299.1	2324.3	2299.1
25°	2125.2	2163.9	2202.5	2203.3	2191.5	2203.3	2238.8	2272.3	2300.2	2328.1	2300.2
27.5°	2073.1	2095.8	2118.6	2133.6	2146.1	2176.2	2224.1	2264.9	2284.4	2304.0	2284.4
30°	2028.6	2043.7	2058.7	2086.6	2118.8	2155.8	2197.7	2231.0	2238.5	2246.0	2238.5
32.5°	1980.3	1989.4	1998.4	2037.7	2087.0	2122.8	2144.9	2159.1	2149.4	2139.7	2149.4
35°	1900.6	1908.2	1915.7	1965.9	2030.3	2053.9	2036.7	2018.7	1998.3	1977.9	1998.3
37.5°	1806.0	1821.4	1836.9	1877.8	1927.2	1926.7	1876.5	1833.0	1809.6	1786.2	1809.6
40°	1736.4	1762.2	1787.9	1815.3	1843.2	1819.6	1744.5	1681.4	1654.6	1627.7	1654.6
42.5°	1651.4	1692.6	1733.8	1740.0	1734.4	1683.7	1588.0	1508.0	1475.1	1442.3	1475.1
45°	1516.7	1572.5	1628.3	1596.4	1535.2	1452.5	1348.4	1261.2	1224.7	1188.2	1224.7
47.5°	1357.7	1415.1	1472.4	1412.2	1312.8	1216.6	1123.6	1045.4	1011.3	977.1	1011.3
50°	1253.4	1299.6	1345.7	1277.6	1171.3	1074.7	987.8	913.2	875.6	838.0	875.6
52.5°	1147.2	1180.4	1213.7	1146.2	1045.1	951.0	864.1	790.4	756.2	722.1	756.2
55°	982.9	1000.1	1017.3	954.8	865.7	779.8	697.1	629.3	605.6	582.0	605.6
57.5°	832.2	843.2	854.1	794.9	712.2	635.8	565.6	508.6	491.2	473.8	491.2
60°	741.4	748.9	756.4	696.3	613.7	545.0	490.3	445.7	431.8	417.8	431.8
62.5°	658.3	664.1	669.9	612.0	532.8	471.4	427.8	392.5	382.0	371.4	382.0
65°	541.0	546.3	551.7	502.3	434.7	384.3	351.0	324.2	316.6	309.1	316.6
67.5°	447.8	450.5	453.3	412.7	357.5	316.8	290.6	269.2	262.1	255.0	262.1
70°	393.7	394.7	395.8	359.8	311.5	275.6	252.0	232.9	227.6	222.2	227.6
72.5°	345.4	343.9	342.3	310.3	268.0	237.2	217.8	202.4	198.8	195.1	198.8
75°	272.9	269.7	266.5	239.9	205.5	181.9	169.1	158.9	156.7	154.6	156.7
77.5°	203.8	200.4	197.0	174.9	146.5	130.2	125.9	122.7	122.7	122.7	122.7
80°	159.4	155.1	150.8	133.6	112.2	101.4	101.4	101.4	101.4	101.4	101.4
82.5°	118.8	112.8	106.8	96.3	84.3	78.2	78.2	78.0	77.2	76.3	77.2
85°	58.0	52.6	47.2	45.9	45.9	42.7	36.2	30.6	27.4	24.2	27.4
87.5°	15.9	16.4	17.0	14.3	10.4	8.4	8.4	8.6	8.7	8.7	8.7
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°	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2
2.5°	2364.0	2362.7	2361.9	2367.5	2379.5	2385.3	2372.4	2359.5	2372.4	2385.3	2379.5
5°	2379.1	2374.8	2372.7	2377.5	2389.3	2393.6	2375.3	2357.1	2375.3	2393.6	2389.3
7.5°	2419.1	2410.9	2404.6	2404.5	2410.5	2408.6	2382.6	2356.6	2382.6	2408.6	2410.5
10°	2421.2	2416.7	2415.6	2417.2	2421.5	2416.9	2385.8	2354.7	2385.8	2416.9	2421.5
12.5°	2384.7	2383.8	2385.3	2394.7	2411.8	2415.6	2379.4	2343.1	2379.4	2415.6	2411.8
15°	2329.5	2325.7	2322.5	2339.7	2377.2	2394.7	2351.7	2308.8	2351.7	2394.7	2377.2
17.5°	2297.4	2286.1	2274.5	2286.6	2322.5	2338.2	2293.3	2248.4	2293.3	2338.2	2322.5
20°	2282.0	2266.1	2251.1	2258.1	2287.1	2297.8	2253.8	2209.8	2253.8	2297.8	2287.1
22.5°	2274.0	2252.0	2230.9	2232.3	2256.1	2263.0	2219.0	2175.0	2219.0	2263.0	2256.1
25°	2272.3	2238.8	2203.3	2191.5	2203.3	2202.5	2163.9	2125.2	2163.9	2202.5	2203.3
27.5°	2264.9	2224.1	2176.2	2146.1	2133.6	2118.6	2095.8	2073.1	2095.8	2118.6	2133.6
30°	2231.0	2197.7	2155.8	2118.8	2086.6	2058.7	2043.7	2028.6	2043.7	2058.7	2086.6
32.5°	2159.1	2144.9	2122.8	2087.0	2037.7	1998.4	1989.4	1980.3	1989.4	1998.4	2037.7
35°	2018.7	2036.7	2053.9	2030.3	1965.9	1915.7	1908.2	1900.6	1908.2	1915.7	1965.9
37.5°	1833.0	1876.5	1926.7	1927.2	1877.8	1836.9	1821.4	1806.0	1821.4	1836.9	1877.8
40°	1681.4	1744.5	1819.6	1843.2	1815.3	1787.9	1762.2	1736.4	1762.2	1787.9	1815.3
42.5°	1508.0	1588.0	1683.7	1734.4	1740.0	1733.8	1692.6	1651.4	1692.6	1733.8	1740.0
45°	1261.2	1348.4	1452.5	1535.2	1596.4	1628.3	1572.5	1516.7	1572.5	1628.3	1596.4
47.5°	1045.4	1123.6	1216.6	1312.8	1412.2	1472.4	1415.1	1357.7	1415.1	1472.4	1412.2
50°	913.2	987.8	1074.7	1171.3	1277.6	1345.7	1299.6	1253.4	1299.6	1345.7	1277.6
52.5°	790.4	864.1	951.0	1045.1	1146.2	1213.7	1180.4	1147.2	1180.4	1213.7	1146.2
55°	629.3	697.1	779.8	865.7	954.8	1017.3	1000.1	982.9	1000.1	1017.3	954.8
57.5°	508.6	565.6	635.8	712.2	794.9	854.1	843.2	832.2	843.2	854.1	794.9
60°	445.7	490.3	545.0	613.7	696.3	756.4	748.9	741.4	748.9	756.4	696.3
62.5°	392.5	427.8	471.4	532.8	612.0	669.9	664.1	658.3	664.1	669.9	612.0
65°	324.2	351.0	384.3	434.7	502.3	551.7	546.3	541.0	546.3	551.7	502.3
67.5°	269.2	290.6	316.8	357.5	412.7	453.3	450.5	447.8	450.5	453.3	412.7
70°	232.9	252.0	275.6	311.5	359.8	395.8	394.7	393.7	394.7	395.8	359.8
72.5°	202.4	217.8	237.2	268.0	310.3	342.3	343.9	345.4	343.9	342.3	310.3
75°	158.9	169.1	181.9	205.5	239.9	266.5	269.7	272.9	269.7	266.5	239.9
77.5°	122.7	125.9	130.2	146.5	174.9	197.0	200.4	203.8	200.4	197.0	174.9
80°	101.4	101.4	101.4	112.2	133.6	150.8	155.1	159.4	155.1	150.8	133.6
82.5°	78.0	78.2	78.2	84.3	96.3	106.8	112.8	118.8	112.8	106.8	96.3
85°	30.6	36.2	42.7	45.9	45.9	47.2	52.6	58.0	52.6	47.2	45.9
87.5°	8.6	8.4	8.4	10.4	14.3	17.0	16.4	15.9	16.4	16.9	14.6
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: P1428225

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-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: P1428225

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2	2369.2
2.5°	2367.5	2361.9	2362.7	2364.0	2366.6	2369.2	2366.6	2364.0	2362.7	2361.9	2367.5
5°	2377.5	2372.7	2374.8	2379.1	2389.8	2400.6	2389.8	2379.1	2374.8	2372.7	2377.5
7.5°	2404.5	2404.6	2410.9	2419.1	2433.3	2447.4	2433.3	2419.1	2410.9	2404.6	2404.5
10°	2417.2	2415.6	2416.7	2421.2	2436.3	2451.3	2436.3	2421.2	2416.7	2415.6	2417.2
12.5°	2394.7	2385.3	2383.8	2384.7	2392.9	2401.0	2392.9	2384.7	2383.8	2385.3	2394.7
15°	2339.7	2322.5	2325.7	2329.5	2334.8	2340.2	2334.8	2329.5	2325.7	2322.5	2339.7
17.5°	2286.6	2274.5	2286.1	2297.4	2307.9	2318.5	2307.9	2297.4	2286.1	2274.5	2286.6
20°	2258.1	2251.1	2266.1	2282.0	2300.2	2318.5	2300.2	2282.0	2266.1	2251.1	2258.1
22.5°	2232.3	2230.9	2252.0	2274.0	2299.1	2324.3	2299.1	2274.0	2252.0	2230.9	2232.3
25°	2191.5	2203.3	2238.8	2272.3	2300.2	2328.1	2300.2	2272.3	2238.8	2203.3	2191.5
27.5°	2146.1	2176.2	2224.1	2264.9	2284.4	2304.0	2284.4	2264.9	2224.1	2176.2	2146.1
30°	2118.8	2155.8	2197.7	2231.0	2238.5	2246.0	2238.5	2231.0	2197.7	2155.8	2118.8
32.5°	2087.0	2122.8	2144.9	2159.1	2149.4	2139.7	2149.4	2159.1	2144.9	2122.8	2087.0
35°	2030.3	2053.9	2036.7	2018.7	1998.3	1977.9	1998.3	2018.7	2036.7	2053.9	2030.3
37.5°	1927.2	1926.7	1876.5	1833.0	1809.6	1786.2	1809.6	1833.0	1876.5	1926.7	1927.2
40°	1843.2	1819.6	1744.5	1681.4	1654.6	1627.7	1654.6	1681.4	1744.5	1819.6	1843.2
42.5°	1734.4	1683.7	1588.0	1508.0	1475.1	1442.3	1475.1	1508.0	1588.0	1683.7	1734.4
45°	1535.2	1452.5	1348.4	1261.2	1224.7	1188.2	1224.7	1261.2	1348.4	1452.5	1535.2
47.5°	1312.8	1216.6	1123.6	1045.4	1011.3	977.1	1011.3	1045.4	1123.6	1216.6	1312.8
50°	1171.3	1074.7	987.8	913.2	875.6	838.0	875.6	913.2	987.8	1074.7	1171.3
52.5°	1045.1	951.0	864.1	790.4	756.2	722.1	756.2	790.4	864.1	951.0	1045.1
55°	865.7	779.8	697.1	629.3	605.6	582.0	605.6	629.3	697.1	779.8	865.7
57.5°	712.2	635.8	565.6	508.6	491.2	473.8	491.2	508.6	565.6	635.8	712.2
60°	613.7	545.0	490.3	445.7	431.8	417.8	431.8	445.7	490.3	545.0	613.7
62.5°	532.8	471.4	427.8	392.5	382.0	371.4	382.0	392.5	427.8	471.4	532.8
65°	434.7	384.3	351.0	324.2	316.6	309.1	316.6	324.2	351.0	384.3	434.7
67.5°	357.5	316.8	290.6	269.2	262.1	255.0	262.1	269.2	290.6	316.8	357.5
70°	311.5	275.6	252.0	232.9	227.6	222.2	227.6	232.9	252.0	275.6	311.5
72.5°	268.0	237.2	217.8	202.4	198.8	195.1	198.8	202.4	217.8	237.2	268.0
75°	205.5	181.9	169.1	158.9	156.7	154.6	156.7	158.9	169.1	181.9	205.5
77.5°	146.5	130.2	125.9	122.7	122.7	122.7	122.7	122.7	125.9	130.2	146.5
80°	112.2	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	112.2
82.5°	84.3	78.2	78.2	78.0	77.2	76.3	77.2	78.0	78.2	78.2	84.3
85°	45.9	42.7	36.2	30.6	27.4	24.2	27.4	30.6	36.2	42.7	45.9
87.5°	11.0	9.7	10.7	11.2	11.7	11.5	11.7	11.2	10.7	9.7	11.0
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: P1428225

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-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	401.1	384.0	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: P1428225

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2369.2	2369.2	2369.2	2369.2
2.5°	2379.5	2385.3	2372.4	2359.5
5°	2389.3	2393.6	2375.3	2357.1
7.5°	2410.5	2408.6	2382.6	2356.6
10°	2421.5	2416.9	2385.8	2354.7
12.5°	2411.8	2415.6	2379.4	2343.1
15°	2377.2	2394.7	2351.7	2308.8
17.5°	2322.5	2338.2	2293.3	2248.4
20°	2287.1	2297.8	2253.8	2209.8
22.5°	2256.1	2263.0	2219.0	2175.0
25°	2203.3	2202.5	2163.9	2125.2
27.5°	2133.6	2118.6	2095.8	2073.1
30°	2086.6	2058.7	2043.7	2028.6
32.5°	2037.7	1998.4	1989.4	1980.3
35°	1965.9	1915.7	1908.2	1900.6
37.5°	1877.8	1836.9	1821.4	1806.0
40°	1815.3	1787.9	1762.2	1736.4
42.5°	1740.0	1733.8	1692.6	1651.4
45°	1596.4	1628.3	1572.5	1516.7
47.5°	1412.2	1472.4	1415.1	1357.7
50°	1277.6	1345.7	1299.6	1253.4
52.5°	1146.2	1213.7	1180.4	1147.2
55°	954.8	1017.3	1000.1	982.9
57.5°	794.9	854.1	843.2	832.2
60°	696.3	756.4	748.9	741.4
62.5°	612.0	669.9	664.1	658.3
65°	502.3	551.7	546.3	541.0
67.5°	412.7	453.3	450.5	447.8
70°	359.8	395.8	394.7	393.7
72.5°	310.3	342.3	343.9	345.4
75°	239.9	266.5	269.7	272.9
77.5°	174.9	197.0	200.4	203.8
80°	133.6	150.8	155.1	159.4
82.5°	96.3	106.8	112.8	118.8
85°	45.9	47.2	52.6	58.0
87.5°	14.6	16.9	16.4	15.9
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: P1428225

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-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: P1428225

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-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	21.42	22.49	22.14	23.22	24.09	17.79	18.86	18.51	19.59	20.46
	3H	22.64	23.60	23.37	24.34	25.24	18.97	19.92	19.70	20.66	21.56
	4H	23.14	24.04	23.89	24.79	25.70	19.44	20.34	20.19	21.09	22.00
	6H	23.45	24.27	24.21	25.03	25.96	19.79	20.62	20.56	21.38	22.31
	8H	23.55	24.34	24.33	25.12	26.05	19.94	20.72	20.71	21.50	22.43
	12H	23.60	24.35	24.38	25.12	26.08	19.97	20.72	20.75	21.50	22.45
4H	2H	21.55	22.45	22.30	23.20	24.11	18.53	19.42	19.28	20.18	21.09
	3H	23.03	23.77	23.79	24.56	25.49	19.90	20.64	20.67	21.43	22.36
	4H	23.67	24.34	24.45	25.13	26.08	20.45	21.13	21.23	21.91	22.87
	6H	24.11	24.69	24.91	25.50	26.47	20.90	21.48	21.70	22.29	23.26
	8H	24.27	24.81	25.07	25.62	26.60	21.08	21.63	21.89	22.43	23.41
	12H	24.35	24.83	25.17	25.66	26.64	21.14	21.63	21.96	22.46	23.44
8H	4H	23.71	24.25	24.51	25.06	26.03	20.80	21.34	21.60	22.15	23.12
	6H	24.24	24.69	25.07	25.54	26.52	21.34	21.79	22.17	22.64	23.62
	8H	24.48	24.88	25.32	25.73	26.72	21.60	22.00	22.45	22.85	23.85
	12H	24.61	24.96	25.45	25.80	26.85	21.71	22.06	22.55	22.90	23.95
12H	4H	23.67	24.16	24.49	24.99	25.97	20.82	21.31	21.65	22.14	23.12
	6H	24.23	24.63	25.08	25.48	26.47	21.41	21.81	22.26	22.66	23.66
	8H	24.49	24.85	25.34	25.68	26.73	21.71	22.06	22.56	22.90	23.95