

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: P1428219

Luminaire Tested: SQ2W-PR1-K-050U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428219
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-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

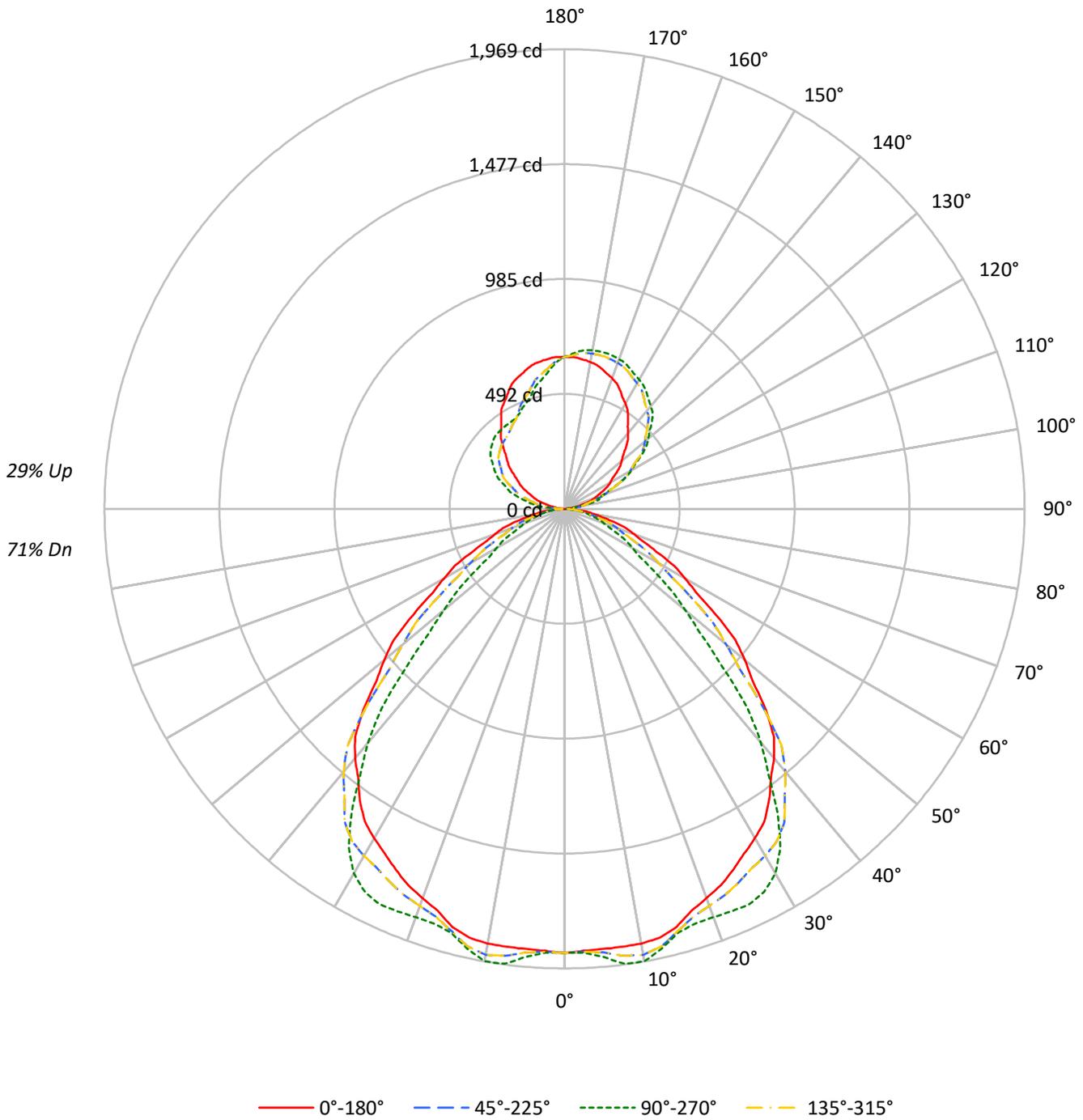
Lumens per Lamp: N/A
Luminaire Lumens: 6480.9 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71				
1	103	99	96	92	98	94	91	88	85	82	80	76	74	72	68	66	65	61				
2	95	88	82	77	90	83	78	74	75	71	68	68	65	62	61	58	56	53				
3	87	78	71	65	82	74	68	63	67	62	58	61	57	53	55	51	49	46				
4	80	69	62	56	76	66	59	54	60	55	50	55	50	46	49	46	43	40				
5	74	62	54	48	70	60	52	47	54	48	44	49	44	41	45	41	38	35				
6	68	56	48	42	65	54	46	41	49	43	39	45	40	36	41	37	33	31				
7	63	51	43	38	60	49	42	36	45	39	34	41	36	32	37	33	30	28				
8	59	47	39	34	56	45	38	33	41	35	31	38	33	29	34	30	27	25				
9	55	43	35	30	52	41	34	29	38	32	28	35	30	26	32	28	24	23				
10	52	39	32	27	49	38	31	27	35	29	25	32	27	24	30	25	22	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30720	30720	30720	30720
5°	30680	31246	30680	31246
10°	31004	32276	31004	32276
15°	30993	31414	30993	31414
20°	30492	31992	30492	31992
25°	30406	33308	30406	33308
30°	30374	33629	30374	33629
35°	30085	31309	30085	31309
40°	29391	27553	29391	27553
45°	27811	21790	27811	21790
50°	25284	16904	25284	16904
55°	22221	13157	22221	13157
60°	19226	10834	19226	10834
65°	16599	9486	16599	9486
70°	14922	8422	14922	8422
75°	13674	7742	13674	7742
80°	11901	7578	11901	7578
85°	8614	3594	8614	3594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 29859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	2.8
10°-20°	531.9	8.2
20°-30°	822.3	12.7
30°-40°	988.9	15.3
40°-50°	888.0	13.7
50°-60°	595.0	9.2
60°-70°	346.1	5.3
70°-80°	177.8	2.7
80°-90°	46.6	0.7
90°-100°	51.8	0.8
100°-110°	151.1	2.3
110°-120°	246.5	3.8
120°-130°	312.9	4.8
130°-140°	334.8	5.2
140°-150°	312.6	4.8
150°-160°	257.2	4.0
160°-170°	172.5	2.7
170°-180°	61.3	0.9
0°-30°	1538.0	23.7
0°-40°	2526.8	39.0
0°-60°	4009.8	61.9
0°-90°	4580.3	70.7
90°-120°	449.4	6.9
90°-150°	1409.7	21.8
90°-180°	1901.0	29.3
0°-180°	6480.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1903	1903	1903	1903	1903	
5°	1893	1928	1893	1928	1893	181
15°	1854	1879	1854	1879	1854	521
25°	1707	1870	1707	1870	1707	787
35°	1526	1588	1526	1588	1526	952
45°	1218	954	1218	954	1218	932
55°	789	467	789	467	789	709
65°	434	248	434	248	434	439
75°	219	124	219	124	219	233
85°	46	19	46	19	46	58
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°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1895.0	1905.3	1915.6	1911.0	1901.3	1896.9	1897.5	1898.6	1900.6	1902.7	1900.6
5°	1893.0	1907.7	1922.3	1918.9	1909.4	1905.5	1907.2	1910.7	1919.3	1927.9	1919.3
7.5°	1892.6	1913.5	1934.4	1935.9	1931.1	1931.2	1936.2	1942.8	1954.2	1965.6	1954.2
10°	1891.1	1916.1	1941.1	1944.7	1941.3	1940.0	1940.9	1944.5	1956.6	1968.7	1956.6
12.5°	1881.8	1910.9	1940.0	1937.0	1923.2	1915.7	1914.5	1915.2	1921.8	1928.3	1921.8
15°	1854.2	1888.7	1923.2	1909.2	1879.0	1865.2	1867.8	1870.8	1875.1	1879.4	1875.1
17.5°	1805.7	1841.8	1877.8	1865.2	1836.4	1826.7	1836.0	1845.1	1853.5	1862.0	1853.5
20°	1774.7	1810.0	1845.4	1836.8	1813.5	1807.9	1820.0	1832.7	1847.3	1862.0	1847.3
22.5°	1746.8	1782.1	1817.5	1811.9	1792.8	1791.7	1808.6	1826.3	1846.5	1866.6	1846.5
25°	1706.8	1737.9	1768.9	1769.5	1760.0	1769.5	1798.0	1824.9	1847.3	1869.7	1847.3
27.5°	1664.9	1683.2	1701.5	1713.5	1723.5	1747.8	1786.2	1819.0	1834.7	1850.3	1834.7
30°	1629.2	1641.3	1653.4	1675.8	1701.6	1731.4	1765.0	1791.7	1797.8	1803.8	1797.8
32.5°	1590.4	1597.7	1604.9	1636.5	1676.1	1704.8	1722.6	1734.0	1726.2	1718.5	1726.2
35°	1526.4	1532.5	1538.5	1578.8	1630.5	1649.5	1635.7	1621.3	1604.9	1588.5	1604.9
37.5°	1450.4	1462.8	1475.2	1508.1	1547.7	1547.4	1507.0	1472.1	1453.3	1434.5	1453.3
40°	1394.5	1415.2	1435.9	1457.9	1480.3	1461.4	1401.0	1350.4	1328.8	1307.3	1328.8
42.5°	1326.3	1359.4	1392.5	1397.4	1392.9	1352.2	1275.3	1211.1	1184.7	1158.3	1184.7
45°	1218.0	1262.9	1307.7	1282.1	1232.9	1166.5	1082.9	1012.9	983.6	954.3	983.6
47.5°	1090.4	1136.5	1182.5	1134.1	1054.3	977.1	902.4	839.6	812.2	784.7	812.2
50°	1006.6	1043.7	1080.8	1026.0	940.7	863.1	793.3	733.4	703.2	673.0	703.2
52.5°	921.3	948.0	974.7	920.5	839.3	763.8	694.0	634.8	607.3	579.9	607.3
55°	789.4	803.2	817.0	766.8	695.2	626.3	559.9	505.4	486.4	467.4	486.4
57.5°	668.4	677.2	686.0	638.4	572.0	510.6	454.2	408.5	394.5	380.5	394.5
60°	595.4	601.5	607.5	559.2	492.9	437.7	393.7	358.0	346.8	335.5	346.8
62.5°	528.7	533.4	538.0	491.5	427.9	378.6	343.6	315.2	306.8	298.3	306.8
65°	434.5	438.8	443.1	403.4	349.1	308.6	281.9	260.3	254.3	248.3	254.3
67.5°	359.6	361.8	364.1	331.4	287.1	254.4	233.4	216.2	210.5	204.8	210.5
70°	316.1	317.0	317.9	289.0	250.2	221.3	202.4	187.1	182.8	178.4	182.8
72.5°	277.4	276.2	274.9	249.2	215.2	190.5	174.9	162.6	159.6	156.7	159.6
75°	219.2	216.6	214.0	192.7	165.1	146.1	135.8	127.6	125.9	124.1	125.9
77.5°	163.7	160.9	158.2	140.4	117.7	104.6	101.1	98.5	98.5	98.5	98.5
80°	128.0	124.6	121.1	107.3	90.1	81.5	81.5	81.5	81.5	81.5	81.5
82.5°	95.4	90.6	85.8	77.3	67.7	62.8	62.8	62.7	62.0	61.3	62.0
85°	46.5	42.2	37.9	36.9	36.9	34.3	29.1	24.6	22.0	19.4	22.0
87.5°	12.8	13.3	14.0	11.9	8.9	7.3	7.3	7.4	7.5	7.5	7.5
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°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1898.6	1897.5	1896.9	1901.3	1911.0	1915.6	1905.3	1895.0	1905.3	1915.6	1911.0
5°	1910.7	1907.2	1905.5	1909.4	1918.9	1922.3	1907.7	1893.0	1907.7	1922.3	1918.9
7.5°	1942.8	1936.2	1931.2	1931.1	1935.9	1934.4	1913.5	1892.6	1913.5	1934.4	1935.9
10°	1944.5	1940.9	1940.0	1941.3	1944.7	1941.1	1916.1	1891.1	1916.1	1941.1	1944.7
12.5°	1915.2	1914.5	1915.7	1923.2	1937.0	1940.0	1910.9	1881.8	1910.9	1940.0	1937.0
15°	1870.8	1867.8	1865.2	1879.0	1909.2	1923.2	1888.7	1854.2	1888.7	1923.2	1909.2
17.5°	1845.1	1836.0	1826.7	1836.4	1865.2	1877.8	1841.8	1805.7	1841.8	1877.8	1865.2
20°	1832.7	1820.0	1807.9	1813.5	1836.8	1845.4	1810.0	1774.7	1810.0	1845.4	1836.8
22.5°	1826.3	1808.6	1791.7	1792.8	1811.9	1817.5	1782.1	1746.8	1782.1	1817.5	1811.9
25°	1824.9	1798.0	1769.5	1760.0	1769.5	1768.9	1737.9	1706.8	1737.9	1768.9	1769.5
27.5°	1819.0	1786.2	1747.8	1723.5	1713.5	1701.5	1683.2	1664.9	1683.2	1701.5	1713.5
30°	1791.7	1765.0	1731.4	1701.6	1675.8	1653.4	1641.3	1629.2	1641.3	1653.4	1675.8
32.5°	1734.0	1722.6	1704.8	1676.1	1636.5	1604.9	1597.7	1590.4	1597.7	1604.9	1636.5
35°	1621.3	1635.7	1649.5	1630.5	1578.8	1538.5	1532.5	1526.4	1532.5	1538.5	1578.8
37.5°	1472.1	1507.0	1547.4	1547.7	1508.1	1475.2	1462.8	1450.4	1462.8	1475.2	1508.1
40°	1350.4	1401.0	1461.4	1480.3	1457.9	1435.9	1415.2	1394.5	1415.2	1435.9	1457.9
42.5°	1211.1	1275.3	1352.2	1392.9	1397.4	1392.5	1359.4	1326.3	1359.4	1392.5	1397.4
45°	1012.9	1082.9	1166.5	1232.9	1282.1	1307.7	1262.9	1218.0	1262.9	1307.7	1282.1
47.5°	839.6	902.4	977.1	1054.3	1134.1	1182.5	1136.5	1090.4	1136.5	1182.5	1134.1
50°	733.4	793.3	863.1	940.7	1026.0	1080.8	1043.7	1006.6	1043.7	1080.8	1026.0
52.5°	634.8	694.0	763.8	839.3	920.5	974.7	948.0	921.3	948.0	974.7	920.5
55°	505.4	559.9	626.3	695.2	766.8	817.0	803.2	789.4	803.2	817.0	766.8
57.5°	408.5	454.2	510.6	572.0	638.4	686.0	677.2	668.4	677.2	686.0	638.4
60°	358.0	393.7	437.7	492.9	559.2	607.5	601.5	595.4	601.5	607.5	559.2
62.5°	315.2	343.6	378.6	427.9	491.5	538.0	533.4	528.7	533.4	538.0	491.5
65°	260.3	281.9	308.6	349.1	403.4	443.1	438.8	434.5	438.8	443.1	403.4
67.5°	216.2	233.4	254.4	287.1	331.4	364.1	361.8	359.6	361.8	364.1	331.4
70°	187.1	202.4	221.3	250.2	289.0	317.9	317.0	316.1	317.0	317.9	289.0
72.5°	162.6	174.9	190.5	215.2	249.2	274.9	276.2	277.4	276.2	274.9	249.2
75°	127.6	135.8	146.1	165.1	192.7	214.0	216.6	219.2	216.6	214.0	192.7
77.5°	98.5	101.1	104.6	117.7	140.4	158.2	160.9	163.7	160.9	158.2	140.4
80°	81.5	81.5	81.5	90.1	107.3	121.1	124.6	128.0	124.6	121.1	107.3
82.5°	62.7	62.8	62.8	67.7	77.3	85.8	90.6	95.4	90.6	85.8	77.3
85°	24.6	29.1	34.3	36.9	36.9	37.9	42.2	46.5	42.2	37.9	36.9
87.5°	7.4	7.3	7.3	8.9	11.9	14.0	13.3	12.8	13.3	13.9	12.2
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: P1428219

CATALOG NUMBER: SQ2W-PR1-K-050U-100D-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: P1428219

CATALOG NUMBER: SQ2W-PR1-K-050U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1901.3	1896.9	1897.5	1898.6	1900.6	1902.7	1900.6	1898.6	1897.5	1896.9	1901.3
5°	1909.4	1905.5	1907.2	1910.7	1919.3	1927.9	1919.3	1910.7	1907.2	1905.5	1909.4
7.5°	1931.1	1931.2	1936.2	1942.8	1954.2	1965.6	1954.2	1942.8	1936.2	1931.2	1931.1
10°	1941.3	1940.0	1940.9	1944.5	1956.6	1968.7	1956.6	1944.5	1940.9	1940.0	1941.3
12.5°	1923.2	1915.7	1914.5	1915.2	1921.8	1928.3	1921.8	1915.2	1914.5	1915.7	1923.2
15°	1879.0	1865.2	1867.8	1870.8	1875.1	1879.4	1875.1	1870.8	1867.8	1865.2	1879.0
17.5°	1836.4	1826.7	1836.0	1845.1	1853.5	1862.0	1853.5	1845.1	1836.0	1826.7	1836.4
20°	1813.5	1807.9	1820.0	1832.7	1847.3	1862.0	1847.3	1832.7	1820.0	1807.9	1813.5
22.5°	1792.8	1791.7	1808.6	1826.3	1846.5	1866.6	1846.5	1826.3	1808.6	1791.7	1792.8
25°	1760.0	1769.5	1798.0	1824.9	1847.3	1869.7	1847.3	1824.9	1798.0	1769.5	1760.0
27.5°	1723.5	1747.8	1786.2	1819.0	1834.7	1850.3	1834.7	1819.0	1786.2	1747.8	1723.5
30°	1701.6	1731.4	1765.0	1791.7	1797.8	1803.8	1797.8	1791.7	1765.0	1731.4	1701.6
32.5°	1676.1	1704.8	1722.6	1734.0	1726.2	1718.5	1726.2	1734.0	1722.6	1704.8	1676.1
35°	1630.5	1649.5	1635.7	1621.3	1604.9	1588.5	1604.9	1621.3	1635.7	1649.5	1630.5
37.5°	1547.7	1547.4	1507.0	1472.1	1453.3	1434.5	1453.3	1472.1	1507.0	1547.4	1547.7
40°	1480.3	1461.4	1401.0	1350.4	1328.8	1307.3	1328.8	1350.4	1401.0	1461.4	1480.3
42.5°	1392.9	1352.2	1275.3	1211.1	1184.7	1158.3	1184.7	1211.1	1275.3	1352.2	1392.9
45°	1232.9	1166.5	1082.9	1012.9	983.6	954.3	983.6	1012.9	1082.9	1166.5	1232.9
47.5°	1054.3	977.1	902.4	839.6	812.2	784.7	812.2	902.4	977.1	1054.3	
50°	940.7	863.1	793.3	733.4	703.2	673.0	703.2	793.3	863.1	940.7	
52.5°	839.3	763.8	694.0	634.8	607.3	579.9	607.3	694.0	763.8	839.3	
55°	695.2	626.3	559.9	505.4	486.4	467.4	486.4	559.9	626.3	695.2	
57.5°	572.0	510.6	454.2	408.5	394.5	380.5	394.5	454.2	510.6	572.0	
60°	492.9	437.7	393.7	358.0	346.8	335.5	346.8	393.7	437.7	492.9	
62.5°	427.9	378.6	343.6	315.2	306.8	298.3	306.8	343.6	378.6	427.9	
65°	349.1	308.6	281.9	260.3	254.3	248.3	254.3	281.9	308.6	349.1	
67.5°	287.1	254.4	233.4	216.2	210.5	204.8	210.5	233.4	254.4	287.1	
70°	250.2	221.3	202.4	187.1	182.8	178.4	182.8	202.4	221.3	250.2	
72.5°	215.2	190.5	174.9	162.6	159.6	156.7	159.6	174.9	190.5	215.2	
75°	165.1	146.1	135.8	127.6	125.9	124.1	125.9	135.8	146.1	165.1	
77.5°	117.7	104.6	101.1	98.5	98.5	98.5	98.5	101.1	104.6	117.7	
80°	90.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	90.1
82.5°	67.7	62.8	62.8	62.7	62.0	61.3	62.0	62.7	62.8	62.8	67.7
85°	36.9	34.3	29.1	24.6	22.0	19.4	22.0	24.6	29.1	34.3	36.9
87.5°	9.4	8.6	9.5	10.0	10.6	10.3	10.6	10.0	9.5	8.6	9.4
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	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: P1428219

CATALOG NUMBER: SQ2W-PR1-K-050U-100D-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: P1428219

CATALOG NUMBER: SQ2W-PR1-K-050U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1902.7	1902.7	1902.7	1902.7
2.5°	1911.0	1915.6	1905.3	1895.0
5°	1918.9	1922.3	1907.7	1893.0
7.5°	1935.9	1934.4	1913.5	1892.6
10°	1944.7	1941.1	1916.1	1891.1
12.5°	1937.0	1940.0	1910.9	1881.8
15°	1909.2	1923.2	1888.7	1854.2
17.5°	1865.2	1877.8	1841.8	1805.7
20°	1836.8	1845.4	1810.0	1774.7
22.5°	1811.9	1817.5	1782.1	1746.8
25°	1769.5	1768.9	1737.9	1706.8
27.5°	1713.5	1701.5	1683.2	1664.9
30°	1675.8	1653.4	1641.3	1629.2
32.5°	1636.5	1604.9	1597.7	1590.4
35°	1578.8	1538.5	1532.5	1526.4
37.5°	1508.1	1475.2	1462.8	1450.4
40°	1457.9	1435.9	1415.2	1394.5
42.5°	1397.4	1392.5	1359.4	1326.3
45°	1282.1	1307.7	1262.9	1218.0
47.5°	1134.1	1182.5	1136.5	1090.4
50°	1026.0	1080.8	1043.7	1006.6
52.5°	920.5	974.7	948.0	921.3
55°	766.8	817.0	803.2	789.4
57.5°	638.4	686.0	677.2	668.4
60°	559.2	607.5	601.5	595.4
62.5°	491.5	538.0	533.4	528.7
65°	403.4	443.1	438.8	434.5
67.5°	331.4	364.1	361.8	359.6
70°	289.0	317.9	317.0	316.1
72.5°	249.2	274.9	276.2	277.4
75°	192.7	214.0	216.6	219.2
77.5°	140.4	158.2	160.9	163.7
80°	107.3	121.1	124.6	128.0
82.5°	77.3	85.8	90.6	95.4
85°	36.9	37.9	42.2	46.5
87.5°	12.2	13.9	13.3	12.8
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: P1428219

CATALOG NUMBER: SQ2W-PR1-K-050U-100D-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: P1428219
 CATALOG NUMBER: SQ2W-PR1-K-050U-100D-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	20.32	21.34	21.09	22.12	23.07	16.69	17.71	17.46	18.49	19.44
	3H	21.54	22.45	22.32	23.24	24.22	17.87	18.78	18.65	19.57	20.55
	4H	22.04	22.89	22.83	23.69	24.68	18.34	19.19	19.14	19.99	20.98
	6H	22.34	23.13	23.15	23.94	24.94	18.69	19.48	19.50	20.29	21.29
	8H	22.45	23.20	23.27	24.02	25.03	18.83	19.58	19.65	20.41	21.41
	12H	22.49	23.21	23.32	24.03	25.05	18.87	19.58	19.69	20.40	21.43
4H	2H	20.45	21.30	21.25	22.10	23.09	17.42	18.28	18.23	19.08	20.07
	3H	21.92	22.63	22.74	23.47	24.47	18.79	19.50	19.61	20.34	21.34
	4H	22.56	23.20	23.38	24.03	25.07	19.35	19.99	20.17	20.82	21.85
	6H	23.00	23.55	23.84	24.41	25.45	19.79	20.34	20.63	21.20	22.24
	8H	23.16	23.67	24.01	24.53	25.58	19.97	20.49	20.82	21.34	22.39
	12H	23.23	23.69	24.10	24.57	25.62	20.03	20.49	20.89	21.37	22.42
8H	4H	22.59	23.11	23.44	23.96	25.01	19.68	20.20	20.53	21.05	22.10
	6H	23.13	23.56	24.01	24.45	25.50	20.23	20.66	21.10	21.55	22.60
	8H	23.36	23.74	24.25	24.63	25.70	20.49	20.87	21.38	21.76	22.83
	12H	23.49	23.83	24.38	24.71	25.83	20.59	20.93	21.48	21.81	22.93
12H	4H	22.56	23.02	23.42	23.90	24.95	19.71	20.17	20.58	21.05	22.10
	6H	23.12	23.50	24.01	24.39	25.46	20.30	20.68	21.19	21.57	22.64
	8H	23.38	23.71	24.26	24.59	25.71	20.60	20.93	21.48	21.81	22.93