

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: P1428195

Luminaire Tested: SQ2W-PR1-K-025U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428195  
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-025U-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 250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

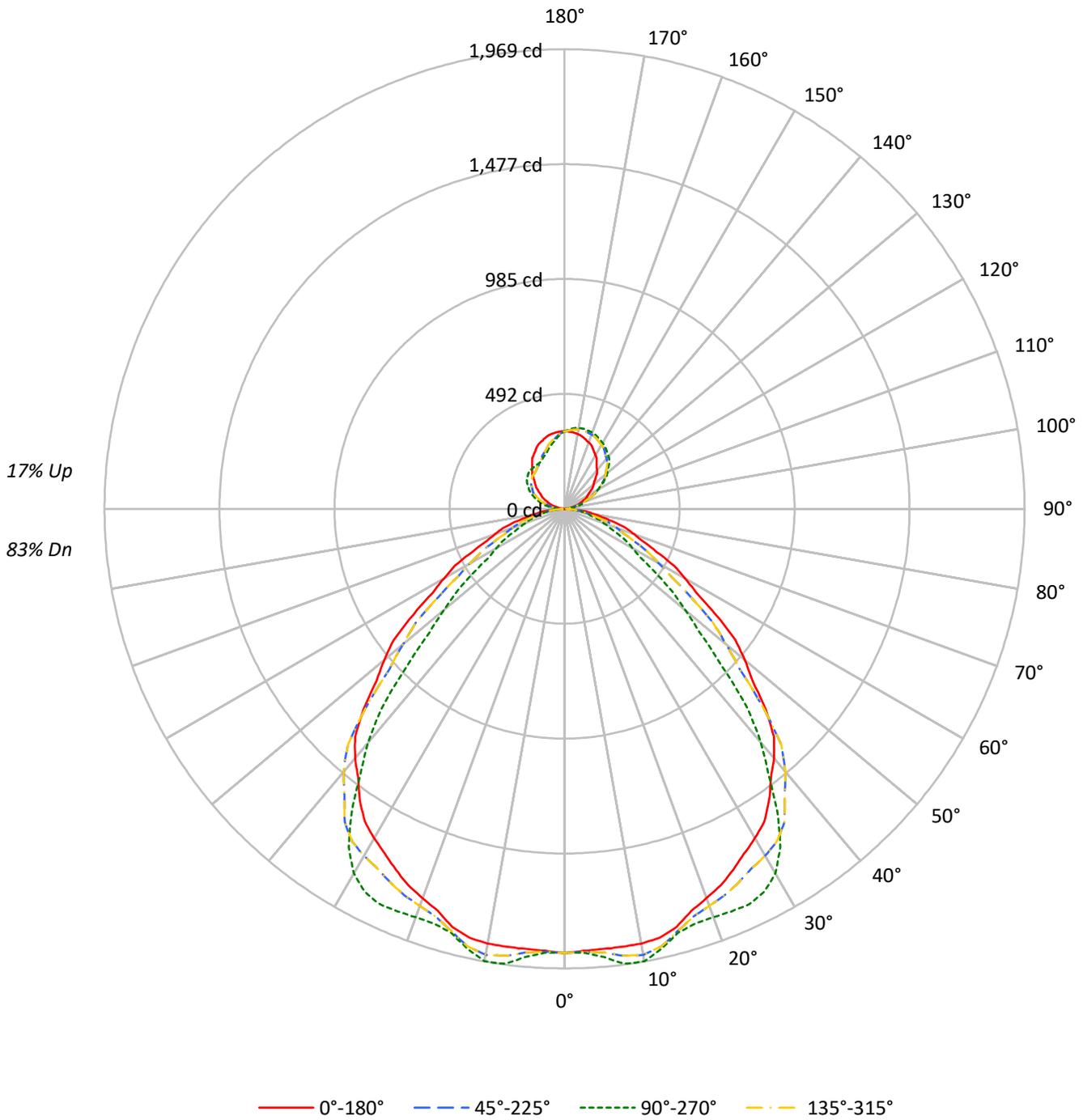
Lumens per Lamp: N/A  
Luminaire Lumens: 5546.9 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 45.1  
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-025U-100D-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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	83				
1	106	102	98	95	102	98	95	92	91	88	86	84	82	80	78	76	75	72				
2	98	90	84	79	93	87	82	77	81	76	73	75	72	69	70	67	65	62				
3	90	80	73	67	86	77	71	66	72	67	62	67	63	59	63	59	56	53				
4	83	72	64	58	79	69	62	57	65	59	54	60	56	52	57	52	49	47				
5	76	65	56	50	73	62	55	49	58	52	47	55	49	45	51	47	43	41				
6	71	58	50	44	68	57	49	44	53	47	42	50	44	40	47	42	38	36				
7	66	53	45	39	63	52	44	39	48	42	37	46	40	36	43	38	34	32				
8	61	49	41	35	59	47	40	35	44	38	33	42	36	32	40	35	31	29				
9	57	45	37	32	55	43	36	31	41	35	30	39	33	29	37	32	28	26				
10	53	41	34	29	51	40	33	28	38	32	27	36	30	27	34	29	26	24				

**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	3.3
10°-20°	531.9	9.6
20°-30°	822.3	14.8
30°-40°	988.9	17.8
40°-50°	888.0	16.0
50°-60°	595.0	10.7
60°-70°	346.1	6.2
70°-80°	177.8	3.2
80°-90°	45.2	0.8
90°-100°	26.4	0.5
100°-110°	76.9	1.4
110°-120°	125.6	2.3
120°-130°	159.3	2.9
130°-140°	170.5	3.1
140°-150°	159.2	2.9
150°-160°	131.0	2.4
160°-170°	87.9	1.6
170°-180°	31.2	0.6
0°-30°	1538.0	27.7
0°-40°	2526.8	45.6
0°-60°	4009.8	72.3
0°-90°	4578.9	82.5
90°-120°	228.9	4.1
90°-150°	717.9	12.9
90°-180°	968.0	17.5
0°-180°	5546.9	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°	1	7	1	14	1	3
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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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°	12.6	12.9	13.2	10.9	7.7	6.0	6.0	6.1	6.1	6.1	6.1
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5

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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°	6.1	6.0	6.0	7.7	10.9	13.2	12.9	12.6	12.9	13.1	11.0
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1428195

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428195

CATALOG NUMBER: SQ2W-PR1-K-025U-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°	7.9	6.7	7.1	7.4	7.7	7.5	7.7	7.4	7.1	6.7	7.9
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1428195

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428195

CATALOG NUMBER: SQ2W-PR1-K-025U-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°	11.0	13.1	12.9	12.6
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1428195

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5

TEST NUMBER: P1428195  
 CATALOG NUMBER: SQ2W-PR1-K-025U-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	21.22	22.40	21.85	23.03	23.75	17.59	18.77	18.22	19.40	20.11
	3H	22.46	23.50	23.09	24.14	24.90	18.78	19.83	19.42	20.47	21.22
	4H	22.95	23.94	23.61	24.59	25.36	19.26	20.24	19.92	20.89	21.66
	6H	23.27	24.17	23.94	24.84	25.62	19.61	20.52	20.29	21.19	21.97
	8H	23.38	24.24	24.06	24.93	25.71	19.76	20.62	20.44	21.31	22.09
	12H	23.43	24.25	24.12	24.93	25.74	19.80	20.62	20.49	21.30	22.11
4H	2H	21.37	22.35	22.03	23.00	23.77	18.34	19.33	19.00	19.98	20.75
	3H	22.86	23.67	23.53	24.36	25.15	19.73	20.54	20.40	21.23	22.02
	4H	23.50	24.23	24.19	24.93	25.75	20.28	21.02	20.98	21.72	22.53
	6H	23.94	24.58	24.65	25.30	26.13	20.73	21.37	21.44	22.09	22.92
	8H	24.11	24.70	24.82	25.42	26.26	20.92	21.52	21.64	22.23	23.07
	12H	24.19	24.72	24.92	25.46	26.31	20.98	21.51	21.72	22.26	23.10
8H	4H	23.54	24.14	24.26	24.85	25.69	20.63	21.23	21.35	21.94	22.78
	6H	24.08	24.57	24.83	25.34	26.18	21.18	21.67	21.93	22.44	23.28
	8H	24.32	24.76	25.08	25.52	26.38	21.45	21.88	22.20	22.65	23.51
	12H	24.45	24.84	25.21	25.59	26.51	21.55	21.94	22.31	22.69	23.61
12H	4H	23.51	24.05	24.25	24.79	25.63	20.67	21.20	21.40	21.94	22.78
	6H	24.07	24.51	24.83	25.28	26.13	21.25	21.69	22.01	22.46	23.32
	8H	24.34	24.72	25.10	25.48	26.40	21.56	21.94	22.32	22.70	23.62