

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: P1428362

Luminaire Tested: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428362  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

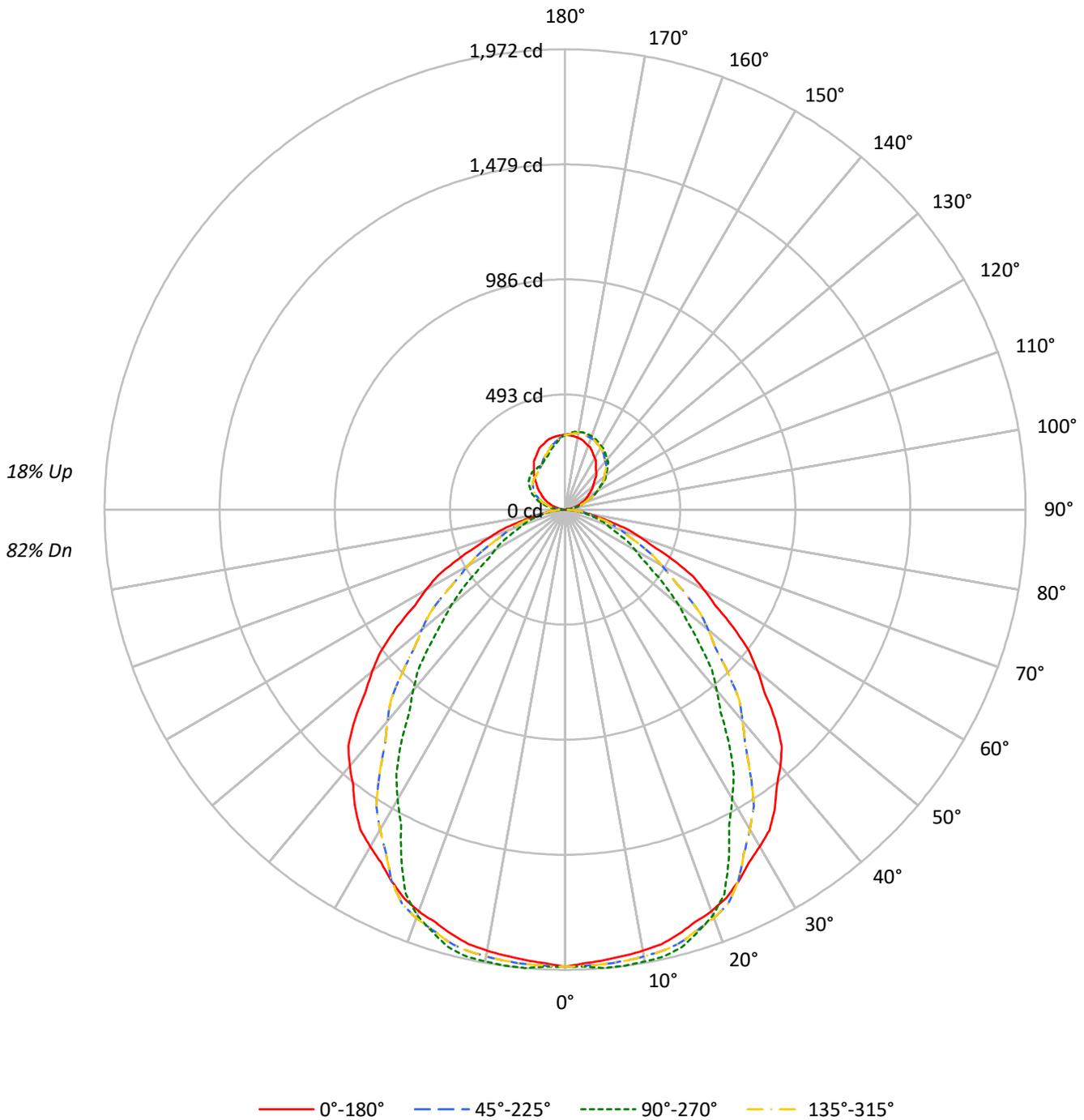
Lumens per Lamp: N/A  
Luminaire Lumens: 5278.7 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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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### 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	82				
1	106	102	98	95	102	98	95	92	90	88	86	84	82	80	77	76	74	71				
2	97	90	84	79	93	87	81	77	80	76	72	75	71	68	69	67	64	61				
3	89	80	73	67	86	77	71	65	72	66	62	67	62	59	62	59	56	53				
4	82	72	64	58	79	69	62	56	65	59	54	60	55	51	56	52	49	46				
5	76	64	56	50	73	62	55	49	58	52	47	55	49	45	51	47	43	41				
6	71	58	50	44	68	57	49	43	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	45	38	34	42	36	32	40	35	31	29				
9	57	45	37	32	55	44	36	31	41	35	30	39	33	29	37	32	28	27				
10	54	41	34	29	52	40	33	29	38	32	28	36	31	27	34	29	26	24				

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

	0°	90°	180°	270°
0°	31624	31624	31624	31624
5°	31413	31957	31413	31957
10°	31471	32235	31471	32235
15°	31463	32429	31463	32429
20°	31475	31797	31475	31797
25°	31306	29544	31306	29544
30°	31091	26710	31091	26710
35°	30848	24121	30848	24121
40°	30236	21310	30236	21310
45°	29051	18614	29051	18614
50°	27037	15932	27037	15932
55°	24732	12918	24732	12918
60°	22168	11144	22168	11144
65°	19385	9906	19385	9906
70°	15852	8983	15852	8983
75°	12333	8259	12333	8259
80°	9196	7280	9196	7280
85°	6224	4150	6224	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.5	3.5
10°-20°	540.4	10.2
20°-30°	795.3	15.1
30°-40°	869.6	16.5
40°-50°	780.1	14.8
50°-60°	581.9	11.0
60°-70°	367.8	7.0
70°-80°	182.2	3.5
80°-90°	44.0	0.8
90°-100°	25.4	0.5
100°-110°	74.0	1.4
110°-120°	120.8	2.3
120°-130°	153.3	2.9
130°-140°	164.0	3.1
140°-150°	153.1	2.9
150°-160°	126.0	2.4
160°-170°	84.5	1.6
170°-180°	30.0	0.6
0°-30°	1522.2	28.8
0°-40°	2391.8	45.3
0°-60°	3753.7	71.1
0°-90°	4347.7	82.4
90°-120°	220.2	4.2
90°-150°	690.5	13.1
90°-180°	931.0	17.6
0°-180°	5278.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1959	1959	1959	1959	1959	
5°	1938	1972	1938	1972	1938	184
15°	1882	1940	1882	1940	1882	531
25°	1757	1658	1757	1658	1757	809
35°	1565	1224	1565	1224	1565	976
45°	1272	815	1272	815	1272	976
55°	879	459	879	459	879	785
65°	507	259	507	259	507	503
75°	198	132	198	132	198	218
85°	34	22	34	22	34	43
90°	1	7	1	14	1	2
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7
2.5°	1945.3	1956.6	1967.9	1965.2	1957.9	1954.6	1955.3	1956.3	1958.3	1960.2	1958.3
5°	1938.2	1952.3	1966.4	1964.3	1956.9	1953.6	1954.4	1956.9	1964.3	1971.8	1964.3
7.5°	1928.5	1942.8	1957.0	1956.4	1950.7	1949.3	1952.2	1956.1	1963.4	1970.7	1963.4
10°	1919.6	1934.5	1949.4	1949.4	1944.4	1944.0	1948.2	1952.9	1959.6	1966.2	1959.6
12.5°	1907.6	1923.2	1938.8	1940.0	1936.3	1936.9	1941.7	1947.0	1953.6	1960.2	1953.6
15°	1882.3	1898.8	1915.4	1919.0	1918.1	1920.6	1926.4	1931.8	1935.9	1940.1	1935.9
17.5°	1852.8	1869.4	1886.0	1889.2	1888.1	1888.2	1889.7	1891.3	1893.3	1895.3	1893.3
20°	1831.9	1848.5	1865.1	1867.3	1864.9	1860.7	1854.9	1850.6	1850.6	1850.6	1850.6
22.5°	1802.0	1820.0	1837.9	1838.0	1832.2	1821.4	1805.7	1792.5	1787.2	1781.9	1787.2
25°	1757.3	1774.7	1792.1	1784.0	1767.4	1743.0	1710.6	1683.3	1670.8	1658.4	1670.8
27.5°	1705.0	1719.1	1733.2	1712.1	1679.3	1639.9	1594.0	1555.2	1538.0	1520.7	1538.0
30°	1667.7	1678.5	1689.3	1655.9	1607.8	1558.5	1507.9	1465.8	1449.3	1432.7	1449.3
32.5°	1628.9	1633.1	1637.2	1593.2	1533.2	1476.9	1424.4	1380.5	1362.5	1344.6	1362.5
35°	1565.1	1557.7	1550.2	1491.8	1416.3	1352.1	1299.0	1255.3	1239.5	1223.8	1239.5
37.5°	1489.8	1467.5	1445.3	1379.5	1299.0	1231.0	1175.5	1129.5	1112.1	1094.7	1112.1
40°	1434.6	1403.0	1371.5	1300.9	1217.1	1147.5	1091.9	1045.9	1028.5	1011.1	1028.5
42.5°	1373.4	1333.9	1294.4	1221.8	1138.0	1068.4	1012.8	966.6	948.6	930.5	948.6
45°	1272.3	1225.8	1179.4	1103.7	1018.3	948.7	894.8	850.0	832.6	815.2	832.6
47.5°	1158.5	1112.4	1066.3	990.8	905.6	836.9	784.6	741.7	726.8	711.9	726.8
50°	1076.4	1031.6	986.8	914.7	833.5	766.7	714.5	670.7	652.5	634.3	652.5
52.5°	992.8	952.7	912.5	843.1	763.8	697.4	643.8	597.4	572.6	547.7	572.6
55°	878.6	840.5	802.4	736.9	662.2	595.1	535.4	487.1	473.0	458.9	473.0
57.5°	761.1	728.1	695.1	636.3	568.8	507.9	453.7	410.1	398.5	386.9	398.5
60°	686.5	657.5	628.5	572.1	506.6	451.0	405.4	368.3	356.7	345.1	356.7
62.5°	614.9	589.2	563.5	509.4	445.9	396.0	359.7	330.0	320.4	310.8	320.4
65°	507.4	488.3	469.3	424.7	371.6	330.2	300.3	275.9	267.6	259.3	267.6
67.5°	402.9	392.3	381.7	348.3	307.4	273.8	247.6	226.6	221.1	215.6	221.1
70°	335.8	332.5	329.2	301.6	265.9	237.3	215.8	198.6	194.4	190.3	194.4
72.5°	277.6	278.9	280.2	257.3	226.3	202.3	185.4	172.0	169.2	166.4	169.2
75°	197.7	204.4	211.0	195.9	173.5	156.5	144.9	135.8	134.1	132.4	134.1
77.5°	134.7	144.6	154.6	144.8	128.3	115.8	107.2	100.4	99.1	97.8	99.1
80°	98.9	108.8	118.8	111.9	99.5	90.0	83.3	78.3	78.3	78.3	78.3
82.5°	69.0	77.0	84.9	80.1	71.0	64.8	61.4	58.9	58.9	58.9	58.9
85°	33.6	37.7	41.9	40.4	37.1	33.0	28.0	24.0	23.2	22.4	23.2
87.5°	9.1	11.4	13.7	12.0	8.9	6.9	6.3	5.8	5.9	5.9	5.9
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7
2.5°	1956.3	1955.3	1954.6	1957.9	1965.2	1967.9	1956.6	1945.3	1956.6	1967.9	1965.2
5°	1956.9	1954.4	1953.6	1956.9	1964.3	1966.4	1952.3	1938.2	1952.3	1966.4	1964.3
7.5°	1956.1	1952.2	1949.3	1950.7	1956.4	1957.0	1942.8	1928.5	1942.8	1957.0	1956.4
10°	1952.9	1948.2	1944.0	1944.4	1949.4	1949.4	1934.5	1919.6	1934.5	1949.4	1949.4
12.5°	1947.0	1941.7	1936.9	1936.3	1940.0	1938.8	1923.2	1907.6	1923.2	1938.8	1940.0
15°	1931.8	1926.4	1920.6	1918.1	1919.0	1915.4	1898.8	1882.3	1898.8	1915.4	1919.0
17.5°	1891.3	1889.7	1888.2	1888.1	1889.2	1886.0	1869.4	1852.8	1869.4	1886.0	1889.2
20°	1850.6	1854.9	1860.7	1864.9	1867.3	1865.1	1848.5	1831.9	1848.5	1865.1	1867.3
22.5°	1792.5	1805.7	1821.4	1832.2	1838.0	1837.9	1820.0	1802.0	1820.0	1837.9	1838.0
25°	1683.3	1710.6	1743.0	1767.4	1784.0	1792.1	1774.7	1757.3	1774.7	1792.1	1784.0
27.5°	1555.2	1594.0	1639.9	1679.3	1712.1	1733.2	1719.1	1705.0	1719.1	1733.2	1712.1
30°	1465.8	1507.9	1558.5	1607.8	1655.9	1689.3	1678.5	1667.7	1678.5	1689.3	1655.9
32.5°	1380.5	1424.4	1476.9	1533.2	1593.2	1637.2	1633.1	1628.9	1633.1	1637.2	1593.2
35°	1255.3	1299.0	1352.1	1416.3	1491.8	1550.2	1557.7	1565.1	1557.7	1550.2	1491.8
37.5°	1129.5	1175.5	1231.0	1299.0	1379.5	1445.3	1467.5	1489.8	1467.5	1445.3	1379.5
40°	1045.9	1091.9	1147.5	1217.1	1300.9	1371.5	1403.0	1434.6	1403.0	1371.5	1300.9
42.5°	966.6	1012.8	1068.4	1138.0	1221.8	1294.4	1333.9	1373.4	1333.9	1294.4	1221.8
45°	850.0	894.8	948.7	1018.3	1103.7	1179.4	1225.8	1272.3	1225.8	1179.4	1103.7
47.5°	741.7	784.6	836.9	905.6	990.8	1066.3	1112.4	1158.5	1112.4	1066.3	990.8
50°	670.7	714.5	766.7	833.5	914.7	986.8	1031.6	1076.4	1031.6	986.8	914.7
52.5°	597.4	643.8	697.4	763.8	843.1	912.5	952.7	992.8	952.7	912.5	843.1
55°	487.1	535.4	595.1	662.2	736.9	802.4	840.5	878.6	840.5	802.4	736.9
57.5°	410.1	453.7	507.9	568.8	636.3	695.1	728.1	761.1	728.1	695.1	636.3
60°	368.3	405.4	451.0	506.6	572.1	628.5	657.5	686.5	657.5	628.5	572.1
62.5°	330.0	359.7	396.0	445.9	509.4	563.5	589.2	614.9	589.2	563.5	509.4
65°	275.9	300.3	330.2	371.6	424.7	469.3	488.3	507.4	488.3	469.3	424.7
67.5°	226.6	247.6	273.8	307.4	348.3	381.7	392.3	402.9	392.3	381.7	348.3
70°	198.6	215.8	237.3	265.9	301.6	329.2	332.5	335.8	332.5	329.2	301.6
72.5°	172.0	185.4	202.3	226.3	257.3	280.2	278.9	277.6	278.9	280.2	257.3
75°	135.8	144.9	156.5	173.5	195.9	211.0	204.4	197.7	204.4	211.0	195.9
77.5°	100.4	107.2	115.8	128.3	144.8	154.6	144.6	134.7	144.6	154.6	144.8
80°	78.3	83.3	90.0	99.5	111.9	118.8	108.8	98.9	108.8	118.8	111.9
82.5°	58.9	61.4	64.8	71.0	80.1	84.9	77.0	69.0	77.0	84.9	80.1
85°	24.0	28.0	33.0	37.1	40.4	41.9	37.7	33.6	37.7	41.9	40.4
87.5°	5.8	6.3	6.9	8.9	12.0	13.7	11.4	9.1	11.4	13.6	12.1
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1428362

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428362

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7
2.5°	1957.9	1954.6	1955.3	1956.3	1958.3	1960.2	1958.3	1956.3	1955.3	1954.6	1957.9
5°	1956.9	1953.6	1954.4	1956.9	1964.3	1971.8	1964.3	1956.9	1954.4	1953.6	1956.9
7.5°	1950.7	1949.3	1952.2	1956.1	1963.4	1970.7	1963.4	1956.1	1952.2	1949.3	1950.7
10°	1944.4	1944.0	1948.2	1952.9	1959.6	1966.2	1959.6	1952.9	1948.2	1944.0	1944.4
12.5°	1936.3	1936.9	1941.7	1947.0	1953.6	1960.2	1953.6	1947.0	1941.7	1936.9	1936.3
15°	1918.1	1920.6	1926.4	1931.8	1935.9	1940.1	1935.9	1931.8	1926.4	1920.6	1918.1
17.5°	1888.1	1888.2	1889.7	1891.3	1893.3	1895.3	1893.3	1891.3	1889.7	1888.2	1888.1
20°	1864.9	1860.7	1854.9	1850.6	1850.6	1850.6	1850.6	1850.6	1854.9	1860.7	1864.9
22.5°	1832.2	1821.4	1805.7	1792.5	1787.2	1781.9	1787.2	1792.5	1805.7	1821.4	1832.2
25°	1767.4	1743.0	1710.6	1683.3	1670.8	1658.4	1670.8	1683.3	1710.6	1743.0	1767.4
27.5°	1679.3	1639.9	1594.0	1555.2	1538.0	1520.7	1538.0	1555.2	1594.0	1639.9	1679.3
30°	1607.8	1558.5	1507.9	1465.8	1449.3	1432.7	1449.3	1465.8	1507.9	1558.5	1607.8
32.5°	1533.2	1476.9	1424.4	1380.5	1362.5	1344.6	1362.5	1380.5	1424.4	1476.9	1533.2
35°	1416.3	1352.1	1299.0	1255.3	1239.5	1223.8	1239.5	1255.3	1299.0	1352.1	1416.3
37.5°	1299.0	1231.0	1175.5	1129.5	1112.1	1094.7	1112.1	1129.5	1175.5	1231.0	1299.0
40°	1217.1	1147.5	1091.9	1045.9	1028.5	1011.1	1028.5	1045.9	1091.9	1147.5	1217.1
42.5°	1138.0	1068.4	1012.8	966.6	948.6	930.5	948.6	966.6	1012.8	1068.4	1138.0
45°	1018.3	948.7	894.8	850.0	832.6	815.2	832.6	850.0	894.8	948.7	1018.3
47.5°	905.6	836.9	784.6	741.7	726.8	711.9	726.8	741.7	784.6	836.9	905.6
50°	833.5	766.7	714.5	670.7	652.5	634.3	652.5	670.7	714.5	766.7	833.5
52.5°	763.8	697.4	643.8	597.4	572.6	547.7	572.6	597.4	643.8	697.4	763.8
55°	662.2	595.1	535.4	487.1	473.0	458.9	473.0	487.1	535.4	595.1	662.2
57.5°	568.8	507.9	453.7	410.1	398.5	386.9	398.5	410.1	453.7	507.9	568.8
60°	506.6	451.0	405.4	368.3	356.7	345.1	356.7	368.3	405.4	451.0	506.6
62.5°	445.9	396.0	359.7	330.0	320.4	310.8	320.4	330.0	359.7	396.0	445.9
65°	371.6	330.2	300.3	275.9	267.6	259.3	267.6	275.9	300.3	330.2	371.6
67.5°	307.4	273.8	247.6	226.6	221.1	215.6	221.1	226.6	247.6	273.8	307.4
70°	265.9	237.3	215.8	198.6	194.4	190.3	194.4	198.6	215.8	237.3	265.9
72.5°	226.3	202.3	185.4	172.0	169.2	166.4	169.2	172.0	185.4	202.3	226.3
75°	173.5	156.5	144.9	135.8	134.1	132.4	134.1	135.8	144.9	156.5	173.5
77.5°	128.3	115.8	107.2	100.4	99.1	97.8	99.1	100.4	107.2	115.8	128.3
80°	99.5	90.0	83.3	78.3	78.3	78.3	78.3	78.3	83.3	90.0	99.5
82.5°	71.0	64.8	61.4	58.9	58.9	58.9	58.9	58.9	61.4	64.8	71.0
85°	37.1	33.0	28.0	24.0	23.2	22.4	23.2	24.0	28.0	33.0	37.1
87.5°	9.1	7.6	7.4	7.1	7.4	7.2	7.4	7.1	7.4	7.6	9.1
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1428362

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428362

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1958.7	1958.7	1958.7	1958.7
2.5°	1965.2	1967.9	1956.6	1945.3
5°	1964.3	1966.4	1952.3	1938.2
7.5°	1956.4	1957.0	1942.8	1928.5
10°	1949.4	1949.4	1934.5	1919.6
12.5°	1940.0	1938.8	1923.2	1907.6
15°	1919.0	1915.4	1898.8	1882.3
17.5°	1889.2	1886.0	1869.4	1852.8
20°	1867.3	1865.1	1848.5	1831.9
22.5°	1838.0	1837.9	1820.0	1802.0
25°	1784.0	1792.1	1774.7	1757.3
27.5°	1712.1	1733.2	1719.1	1705.0
30°	1655.9	1689.3	1678.5	1667.7
32.5°	1593.2	1637.2	1633.1	1628.9
35°	1491.8	1550.2	1557.7	1565.1
37.5°	1379.5	1445.3	1467.5	1489.8
40°	1300.9	1371.5	1403.0	1434.6
42.5°	1221.8	1294.4	1333.9	1373.4
45°	1103.7	1179.4	1225.8	1272.3
47.5°	990.8	1066.3	1112.4	1158.5
50°	914.7	986.8	1031.6	1076.4
52.5°	843.1	912.5	952.7	992.8
55°	736.9	802.4	840.5	878.6
57.5°	636.3	695.1	728.1	761.1
60°	572.1	628.5	657.5	686.5
62.5°	509.4	563.5	589.2	614.9
65°	424.7	469.3	488.3	507.4
67.5°	348.3	381.7	392.3	402.9
70°	301.6	329.2	332.5	335.8
72.5°	257.3	280.2	278.9	277.6
75°	195.9	211.0	204.4	197.7
77.5°	144.8	154.6	144.6	134.7
80°	111.9	118.8	108.8	98.9
82.5°	80.1	84.9	77.0	69.0
85°	40.4	41.9	37.7	33.6
87.5°	12.1	13.6	11.4	9.1
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1428362

CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1428362  
 CATALOG NUMBER: SQ2W-PW1-K-025U-100D-L930-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	21.55	22.73	22.18	23.36	24.08	17.80	18.97	18.42	19.61	20.33
	3H	22.88	23.93	23.52	24.57	25.33	19.09	20.14	19.73	20.79	21.55
	4H	23.30	24.29	23.96	24.94	25.71	19.61	20.60	20.27	21.26	22.03
	6H	23.49	24.40	24.17	25.07	25.86	19.94	20.85	20.61	21.51	22.30
	8H	23.55	24.41	24.23	25.10	25.89	20.06	20.92	20.74	21.61	22.40
	12H	23.56	24.38	24.25	25.06	25.88	20.10	20.92	20.79	21.60	22.42
4H	2H	21.72	22.71	22.38	23.36	24.14	18.65	19.63	19.31	20.29	21.06
	3H	23.29	24.11	23.96	24.80	25.59	20.12	20.94	20.80	21.63	22.42
	4H	23.85	24.59	24.54	25.28	26.11	20.71	21.45	21.40	22.15	22.97
	6H	24.17	24.81	24.89	25.54	26.37	21.11	21.75	21.82	22.47	23.31
	8H	24.27	24.87	24.99	25.59	26.43	21.27	21.87	21.98	22.59	23.43
	12H	24.31	24.84	25.04	25.59	26.43	21.32	21.86	22.06	22.60	23.45
8H	4H	23.91	24.50	24.62	25.22	26.07	21.08	21.67	21.79	22.39	23.24
	6H	24.34	24.83	25.09	25.60	26.44	21.58	22.07	22.33	22.84	23.68
	8H	24.51	24.95	25.27	25.72	26.58	21.80	22.24	22.56	23.01	23.87
	12H	24.60	24.99	25.36	25.74	26.67	21.90	22.28	22.66	23.04	23.96
12H	4H	23.88	24.41	24.62	25.16	26.01	21.11	21.64	21.85	22.39	23.24
	6H	24.33	24.77	25.09	25.54	26.40	21.66	22.10	22.42	22.86	23.72
	8H	24.54	24.92	25.30	25.68	26.60	21.91	22.30	22.67	23.06	23.98