

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427498

Luminaire Tested: SQ2W-BBM-K-025U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427498  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBM-K-025U-075D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

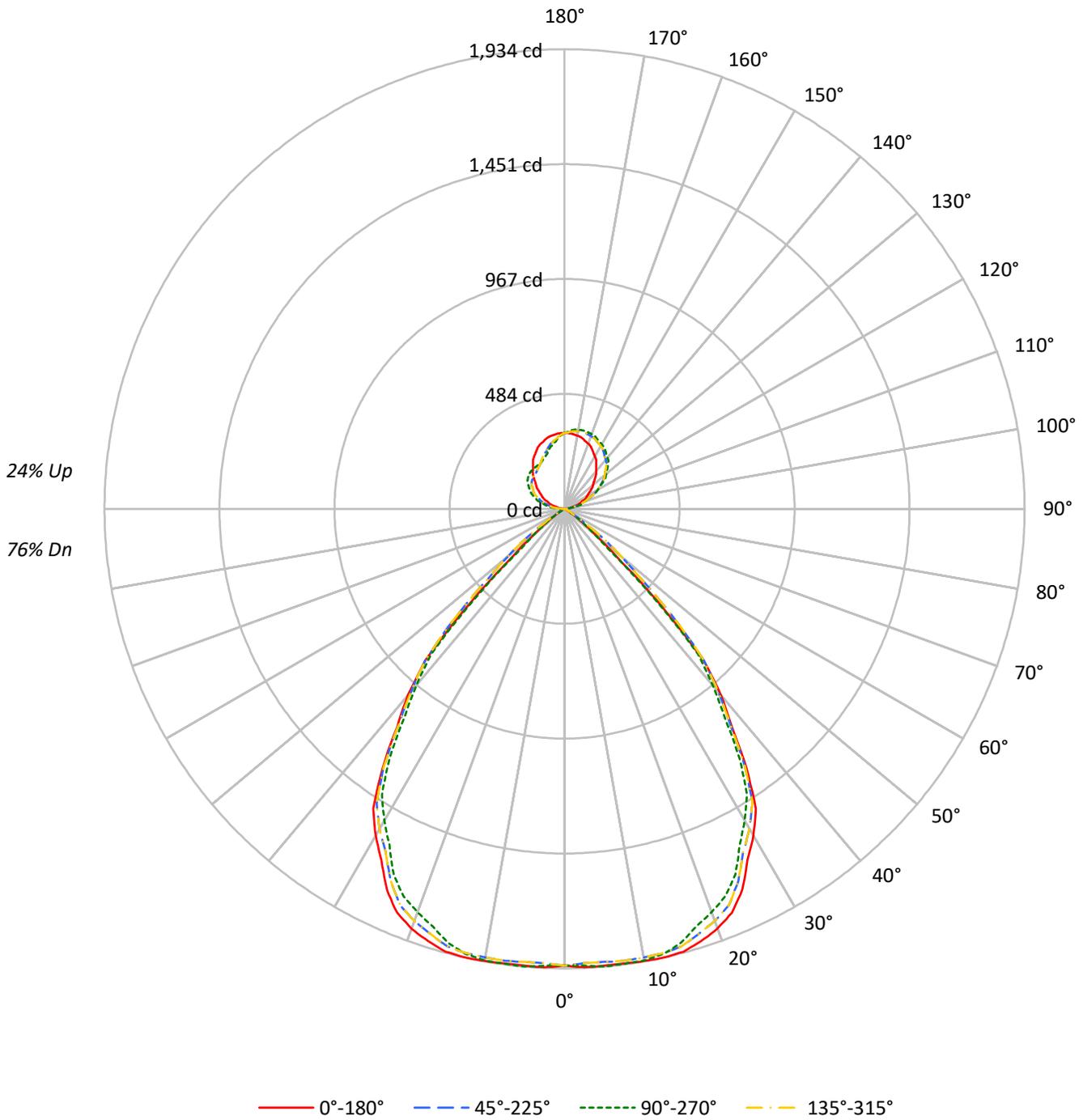
Lumens per Lamp: N/A  
Luminaire Lumens: 3806.2 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 35.1  
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	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76				
1	106	103	100	98	101	99	96	94	90	88	86	82	81	79	75	74	73	70				
2	100	94	89	85	95	90	86	82	83	79	77	76	74	71	70	68	66	63				
3	93	85	80	75	89	82	77	73	76	72	69	70	67	64	65	63	60	58				
4	87	78	72	67	83	75	69	65	70	65	62	65	61	58	60	57	55	53				
5	81	71	65	60	78	69	63	58	64	59	55	60	56	53	56	53	50	48				
6	76	66	59	54	73	64	57	53	59	54	50	56	51	48	52	49	46	44				
7	71	60	54	49	68	59	52	48	55	50	46	52	47	44	49	45	42	40				
8	67	56	49	44	64	54	48	43	51	46	42	48	44	40	45	41	39	37				
9	63	52	45	41	60	50	44	40	47	42	38	45	40	37	42	38	36	34				
10	59	48	42	37	57	47	41	37	44	39	35	42	37	34	40	36	33	31				

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

	0°	90°	180°	270°
0°	31041	31041	31041	31041
5°	31285	31332	31285	31332
10°	31678	31632	31678	31632
15°	32250	31607	32250	31607
20°	32291	31035	32291	31035
25°	31493	30258	31493	30258
30°	29604	28224	29604	28224
35°	26276	25288	26276	25288
40°	21549	20394	21549	20394
45°	12848	12056	12848	12056
50°	4011	3793	4011	3793
55°	1517	1517	1517	1517
60°	94	32	94	32
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 15040 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.8	4.8
10°-20°	538.5	14.1
20°-30°	792.2	20.8
30°-40°	809.7	21.3
40°-50°	466.4	12.3
50°-60°	80.3	2.1
60°-70°	2.9	0.1
70°-80°	0.0	0.0
80°-90°	1.7	0.0
90°-100°	25.4	0.7
100°-110°	74.0	1.9
110°-120°	120.8	3.2
120°-130°	153.3	4.0
130°-140°	164.0	4.3
140°-150°	153.1	4.0
150°-160°	126.0	3.3
160°-170°	84.5	2.2
170°-180°	30.0	0.8
0°-30°	1514.5	39.8
0°-40°	2324.3	61.1
0°-60°	2871.0	75.4
0°-90°	2875.5	75.5
90°-120°	220.2	5.8
90°-150°	690.5	18.1
90°-180°	931.0	24.5
0°-180°	3806.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1923	1923	1923	1923	1923	
5°	1930	1933	1930	1933	1930	184
15°	1929	1891	1929	1891	1929	543
25°	1768	1698	1768	1698	1768	807
35°	1333	1283	1333	1283	1333	823
45°	563	528	563	528	563	435
55°	54	54	54	54	54	57
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	7	1	14	1	1
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°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1931.1	1928.7	1926.3	1920.6	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9
5°	1930.3	1928.2	1926.1	1920.1	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1
7.5°	1929.2	1927.7	1926.3	1922.1	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0
10°	1932.2	1931.8	1931.4	1924.9	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5
12.5°	1933.8	1936.4	1939.1	1929.7	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4
15°	1929.4	1936.6	1943.9	1930.6	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4
17.5°	1907.8	1918.1	1928.3	1910.8	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3
20°	1879.4	1891.3	1903.3	1884.2	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1
22.5°	1839.3	1850.3	1861.2	1842.9	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9
25°	1767.8	1775.0	1782.3	1763.6	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5
27.5°	1666.4	1668.5	1670.5	1655.6	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5
30°	1587.9	1587.9	1587.9	1576.4	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1
32.5°	1496.4	1495.3	1494.3	1485.8	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0
35°	1333.1	1337.8	1342.5	1336.6	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4
37.5°	1156.3	1158.1	1159.9	1155.0	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7
40°	1022.4	1022.8	1023.2	1017.3	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7
42.5°	866.2	874.8	883.5	879.8	872.0	861.3	847.6	836.5	833.2	829.8	833.2
45°	562.7	600.7	638.7	652.7	658.7	654.0	638.6	616.1	572.1	528.0	572.1
47.5°	282.8	330.1	377.5	410.3	438.3	430.3	386.4	341.9	295.3	248.7	295.3
50°	159.7	187.9	216.1	260.0	309.2	301.0	235.6	182.6	166.8	151.0	166.8
52.5°	106.6	119.0	131.5	166.9	209.9	207.1	158.4	119.7	110.7	101.8	110.7
55°	53.9	57.3	60.7	76.3	96.0	95.5	75.0	59.0	56.4	53.9	56.4
57.5°	18.3	22.9	27.5	34.4	42.1	42.3	35.1	28.6	24.4	20.2	24.4
60°	2.9	7.2	11.4	17.0	23.0	22.3	15.1	8.7	4.8	1.0	4.8
62.5°	0.6	1.8	3.0	7.5	13.1	13.0	7.1	2.4	1.3	0.2	1.3
65°	0.0	0.0	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.5	0.8	1.0	1.2	1.3	1.3	1.4	1.4	1.4	1.4
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°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1927.6	1922.1	1914.3	1913.7	1920.6	1926.3	1928.7	1931.1	1928.7	1926.3	1920.6
5°	1934.9	1926.5	1914.9	1912.8	1920.1	1926.1	1928.2	1930.3	1928.2	1926.1	1920.1
7.5°	1935.2	1928.6	1919.1	1916.9	1922.1	1926.3	1927.7	1929.2	1927.7	1926.3	1922.1
10°	1933.6	1926.8	1917.0	1916.3	1924.9	1931.4	1931.8	1932.2	1931.8	1931.4	1924.9
12.5°	1926.3	1921.4	1913.6	1916.4	1929.7	1939.1	1936.4	1933.8	1936.4	1939.1	1929.7
15°	1902.0	1902.4	1901.2	1910.6	1930.6	1943.9	1936.6	1929.4	1936.6	1943.9	1930.6
17.5°	1858.1	1863.6	1868.3	1884.1	1910.8	1928.3	1918.1	1907.8	1918.1	1928.3	1910.8
20°	1819.9	1827.7	1835.9	1854.7	1884.2	1903.3	1891.3	1879.4	1891.3	1903.3	1884.2
22.5°	1776.4	1785.4	1795.6	1814.7	1842.9	1861.2	1850.3	1839.3	1850.3	1861.2	1842.9
25°	1704.5	1711.0	1718.7	1736.3	1763.6	1782.3	1775.0	1767.8	1775.0	1782.3	1763.6
27.5°	1602.4	1610.5	1620.1	1635.1	1655.6	1670.5	1668.5	1666.4	1668.5	1670.5	1655.6
30°	1528.4	1537.9	1548.2	1561.0	1576.4	1587.9	1587.9	1587.9	1587.9	1587.9	1576.4
32.5°	1442.2	1452.5	1463.8	1474.9	1485.8	1494.3	1495.3	1496.4	1495.3	1494.3	1485.8
35°	1295.9	1305.8	1316.9	1327.2	1336.6	1342.5	1337.8	1333.1	1337.8	1342.5	1336.6
37.5°	1116.1	1126.4	1138.4	1147.9	1155.0	1159.9	1158.1	1156.3	1158.1	1159.9	1155.0
40°	983.8	992.3	1000.8	1009.1	1017.3	1023.2	1022.8	1022.4	1022.8	1023.2	1017.3
42.5°	836.5	847.6	861.3	872.0	879.8	883.5	874.8	866.2	874.8	883.5	879.8
45°	616.1	638.6	654.0	658.7	652.7	638.7	600.7	562.7	600.7	638.7	652.7
47.5°	341.9	386.4	430.3	438.3	410.3	377.5	330.1	282.8	330.1	377.5	410.3
50°	182.6	235.6	301.0	309.2	260.0	216.1	187.9	159.7	187.9	216.1	260.0
52.5°	119.7	158.4	207.1	209.9	166.9	131.5	119.0	106.6	119.0	131.5	166.9
55°	59.0	75.0	95.5	96.0	76.3	60.7	57.3	53.9	57.3	60.7	76.3
57.5°	28.6	35.1	42.3	42.1	34.4	27.5	22.9	18.3	22.9	27.5	34.4
60°	8.7	15.1	22.3	23.0	17.0	11.4	7.2	2.9	7.2	11.4	17.0
62.5°	2.4	7.1	13.0	13.1	7.5	3.0	1.8	0.6	1.8	3.0	7.5
65°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.3	1.3	1.2	1.0	0.8	0.5	0.2	0.5	0.7	1.2
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: P1427498

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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: P1427498

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9	1927.6	1922.1	1914.3	1913.7
5°	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1	1934.9	1926.5	1914.9	1912.8
7.5°	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0	1935.2	1928.6	1919.1	1916.9
10°	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5	1933.6	1926.8	1917.0	1916.3
12.5°	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4	1926.3	1921.4	1913.6	1916.4
15°	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4	1902.0	1902.4	1901.2	1910.6
17.5°	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3	1858.1	1863.6	1868.3	1884.1
20°	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1	1819.9	1827.7	1835.9	1854.7
22.5°	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9	1776.4	1785.4	1795.6	1814.7
25°	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5	1704.5	1711.0	1718.7	1736.3
27.5°	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5	1602.4	1610.5	1620.1	1635.1
30°	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1	1528.4	1537.9	1548.2	1561.0
32.5°	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0	1442.2	1452.5	1463.8	1474.9
35°	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4	1295.9	1305.8	1316.9	1327.2
37.5°	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7	1116.1	1126.4	1138.4	1147.9
40°	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7	983.8	992.3	1000.8	1009.1
42.5°	872.0	861.3	847.6	836.5	833.2	829.8	833.2	836.5	847.6	861.3	872.0
45°	658.7	654.0	638.6	616.1	572.1	528.0	572.1	616.1	638.6	654.0	658.7
47.5°	438.3	430.3	386.4	341.9	295.3	248.7	295.3	341.9	386.4	430.3	438.3
50°	309.2	301.0	235.6	182.6	166.8	151.0	166.8	182.6	235.6	301.0	309.2
52.5°	209.9	207.1	158.4	119.7	110.7	101.8	110.7	119.7	158.4	207.1	209.9
55°	96.0	95.5	75.0	59.0	56.4	53.9	56.4	75.0	95.5	96.0	
57.5°	42.1	42.3	35.1	28.6	24.4	20.2	24.4	28.6	35.1	42.3	42.1
60°	23.0	22.3	15.1	8.7	4.8	1.0	4.8	8.7	15.1	22.3	23.0
62.5°	13.1	13.0	7.1	2.4	1.3	0.2	1.3	2.4	7.1	13.0	13.1
65°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.9	2.4	2.6	2.9	2.8	2.9	2.6	2.4	1.9	1.5
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: P1427498

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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: P1427498

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1922.6	1922.6	1922.6	1922.6
2.5°	1920.6	1926.3	1928.7	1931.1
5°	1920.1	1926.1	1928.2	1930.3
7.5°	1922.1	1926.3	1927.7	1929.2
10°	1924.9	1931.4	1931.8	1932.2
12.5°	1929.7	1939.1	1936.4	1933.8
15°	1930.6	1943.9	1936.6	1929.4
17.5°	1910.8	1928.3	1918.1	1907.8
20°	1884.2	1903.3	1891.3	1879.4
22.5°	1842.9	1861.2	1850.3	1839.3
25°	1763.6	1782.3	1775.0	1767.8
27.5°	1655.6	1670.5	1668.5	1666.4
30°	1576.4	1587.9	1587.9	1587.9
32.5°	1485.8	1494.3	1495.3	1496.4
35°	1336.6	1342.5	1337.8	1333.1
37.5°	1155.0	1159.9	1158.1	1156.3
40°	1017.3	1023.2	1022.8	1022.4
42.5°	879.8	883.5	874.8	866.2
45°	652.7	638.7	600.7	562.7
47.5°	410.3	377.5	330.1	282.8
50°	260.0	216.1	187.9	159.7
52.5°	166.9	131.5	119.0	106.6
55°	76.3	60.7	57.3	53.9
57.5°	34.4	27.5	22.9	18.3
60°	17.0	11.4	7.2	2.9
62.5°	7.5	3.0	1.8	0.6
65°	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	1.2	0.7	0.5	0.2
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: P1427498

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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: P1427498  
 CATALOG NUMBER: SQ2W-BBM-K-025U-075D-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	0.00	0.66	0.54	1.39	2.25	0.03	0.89	0.77	1.62	2.49
	3H	0.00	0.37	0.37	1.11	2.01	0.00	0.60	0.60	1.35	2.25
	4H	0.00	0.22	0.29	0.97	1.89	0.00	0.45	0.52	1.20	2.12
	6H	0.00	0.06	0.19	0.82	1.74	0.00	0.29	0.42	1.05	1.97
	8H	0.00	0.00	0.14	0.74	1.67	0.00	0.20	0.38	0.97	1.90
	12H	0.00	0.00	0.09	0.64	1.59	0.00	0.11	0.32	0.88	1.83
4H	2H	0.00	0.23	0.30	0.98	1.90	0.00	0.46	0.53	1.21	2.13
	3H	0.00	0.00	0.11	0.69	1.62	0.00	0.14	0.35	0.93	1.85
	4H	0.00	0.00	0.02	0.53	1.48	0.00	0.00	0.25	0.76	1.72
	6H	0.00	0.00	0.00	0.37	1.34	0.00	0.00	0.16	0.60	1.57
	8H	0.00	0.00	0.00	0.27	1.24	0.00	0.00	0.10	0.50	1.47
	12H	0.00	0.00	0.00	0.18	1.15	0.00	0.00	0.05	0.41	1.39
8H	4H	0.00	0.00	0.00	0.27	1.24	0.00	0.00	0.10	0.50	1.47
	6H	0.00	0.00	0.00	0.11	1.09	0.00	0.00	0.00	0.35	1.32
	8H	0.00	0.00	0.00	0.01	1.00	0.00	0.00	0.00	0.24	1.24
	12H	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.13	1.18
12H	4H	0.00	0.00	0.00	0.18	1.15	0.00	0.00	0.05	0.41	1.39
	6H	0.00	0.00	0.00	0.01	1.00	0.00	0.00	0.00	0.24	1.24
	8H	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.13	1.18