

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: P1428564

Luminaire Tested: SQ2W-WBM-K-150U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428564  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-WBM-K-150U-050D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

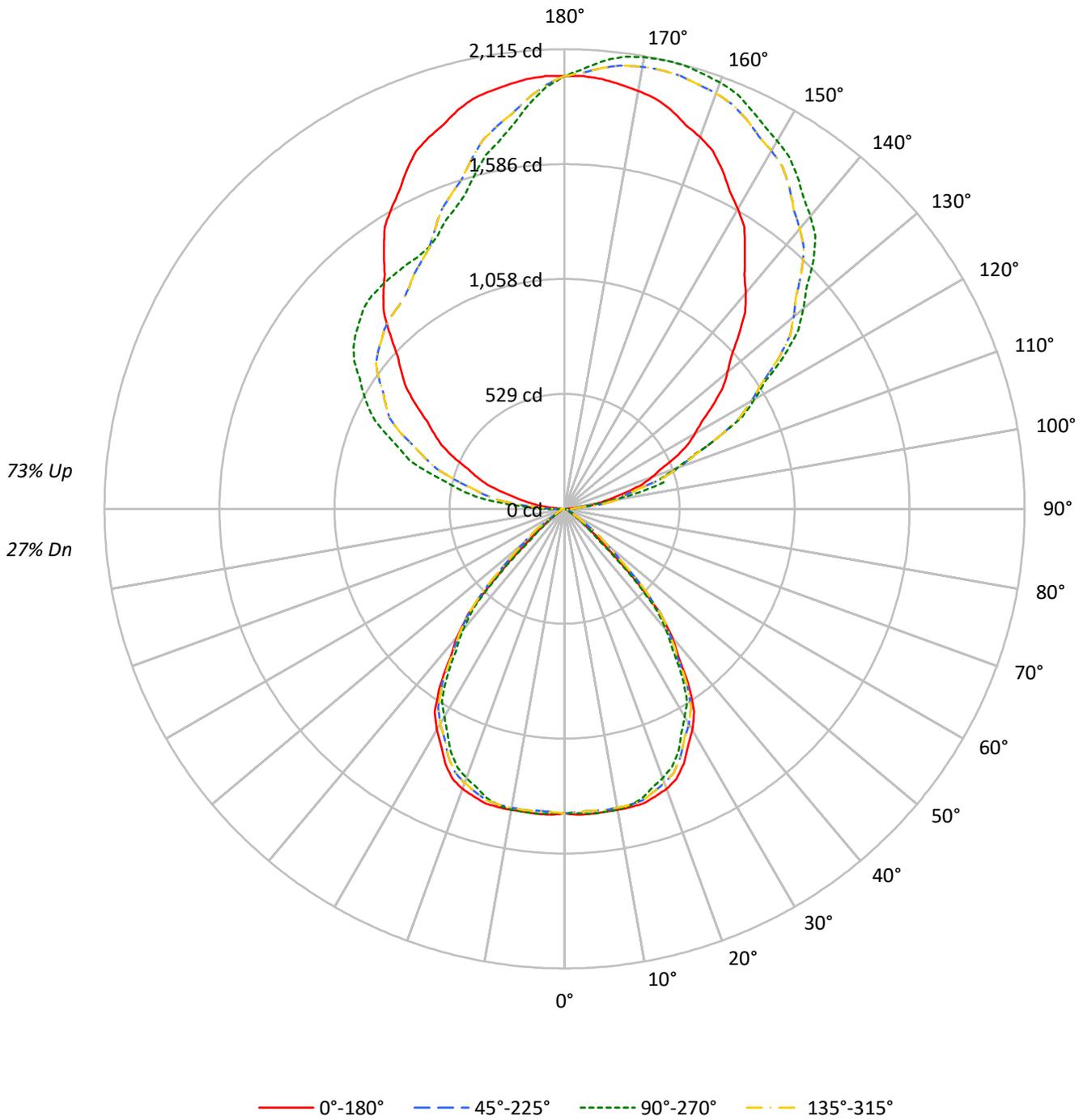
Lumens per Lamp: N/A  
Luminaire Lumens: 8015.0 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 73.2  
Input Voltage (V): 120  
Input Current (Ain): 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-WBM-K-150U-050D-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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27				
1	94	90	86	83	84	81	78	75	63	61	60	47	46	45	33	32	32	25				
2	86	80	74	70	77	72	67	63	57	54	51	43	41	39	30	29	28	23				
3	79	71	64	59	71	64	59	54	51	47	44	39	37	35	28	26	25	20				
4	73	63	56	51	65	57	51	47	46	42	39	35	33	31	25	24	23	19				
5	67	57	50	44	60	52	45	41	42	37	34	32	29	27	23	22	20	17				
6	62	51	44	39	56	47	40	36	38	33	30	29	26	24	22	20	19	15				
7	58	47	39	34	52	42	36	32	34	30	27	27	24	22	20	18	17	14				
8	54	42	35	30	48	39	33	28	32	27	24	25	22	20	19	17	15	13				
9	50	39	32	27	45	35	29	25	29	25	22	23	20	18	17	15	14	12				
10	47	36	29	25	42	33	27	23	27	22	20	21	18	16	16	14	13	11				

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

	0°	90°	180°	270°
0°	22630	22630	22630	22630
5°	22836	22825	22836	22825
10°	23066	23056	23066	23056
15°	23450	23035	23450	23035
20°	23561	22661	23561	22661
25°	23077	22024	23077	22024
30°	21897	20593	21897	20593
35°	19692	18581	19692	18581
40°	16145	15293	16145	15293
45°	10095	9480	10095	9480
50°	3949	3612	3949	3612
55°	1948	1928	1948	1928
60°	911	823	911	823
65°	821	772	821	772
70°	793	760	793	760
75°	798	711	798	711
80°	753	688	753	688
85°	741	630	741	630

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 11490 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.0	1.7
10°-20°	391.8	4.9
20°-30°	579.4	7.2
30°-40°	599.4	7.5
40°-50°	360.6	4.5
50°-60°	86.2	1.1
60°-70°	23.6	0.3
70°-80°	13.2	0.2
80°-90°	12.4	0.2
90°-100°	158.5	2.0
100°-110°	462.2	5.8
110°-120°	754.2	9.4
120°-130°	957.1	11.9
130°-140°	1024.1	12.8
140°-150°	956.3	11.9
150°-160°	786.9	9.8
160°-170°	527.7	6.6
170°-180°	187.4	2.3
0°-30°	1105.2	13.8
0°-40°	1704.7	21.3
0°-60°	2151.4	26.8
0°-90°	2200.6	27.5
90°-120°	1374.9	17.2
90°-150°	4312.4	53.8
90°-180°	5814.0	72.5
0°-180°	8015.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1402	1402	1402	1402	1402	
5°	1409	1408	1409	1408	1409	134
15°	1403	1378	1403	1378	1403	395
25°	1295	1236	1295	1236	1295	592
35°	999	943	999	943	999	613
45°	442	415	442	415	442	342
55°	69	68	69	68	69	69
65°	22	20	22	20	22	22
75°	13	11	13	11	13	13
85°	4	3	4	3	4	4
90°	6	44	6	86	6	5
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1408.6	1406.9	1405.2	1401.0	1396.0	1396.1	1401.4	1405.0	1403.8	1402.6	1403.8
5°	1409.0	1406.9	1404.8	1400.0	1394.3	1395.7	1404.0	1410.1	1409.2	1408.3	1409.2
7.5°	1407.5	1406.6	1405.7	1402.2	1397.8	1398.8	1405.2	1409.6	1408.2	1406.8	1408.2
10°	1406.9	1407.2	1407.5	1402.9	1396.6	1396.8	1403.4	1408.1	1407.2	1406.3	1407.2
12.5°	1406.4	1408.9	1411.3	1405.1	1395.9	1393.9	1399.1	1402.4	1400.3	1398.2	1400.3
15°	1402.9	1407.7	1412.5	1404.0	1391.2	1384.8	1384.8	1384.0	1381.0	1378.1	1381.0
17.5°	1388.0	1393.7	1399.3	1387.9	1370.8	1359.9	1355.3	1350.9	1347.3	1343.7	1347.3
20°	1371.3	1377.0	1382.7	1369.1	1349.1	1335.3	1327.9	1321.9	1320.4	1318.9	1320.4
22.5°	1345.0	1351.1	1357.3	1342.8	1321.3	1306.5	1298.3	1291.6	1289.1	1286.7	1289.1
25°	1295.4	1300.2	1305.0	1289.8	1268.0	1254.1	1248.2	1242.9	1239.6	1236.3	1239.6
27.5°	1229.3	1231.9	1234.6	1219.9	1199.5	1185.8	1179.0	1172.8	1168.3	1163.7	1168.3
30°	1174.5	1175.7	1176.9	1165.1	1148.9	1136.4	1127.4	1118.9	1111.8	1104.6	1111.8
32.5°	1109.4	1110.6	1111.8	1101.5	1087.2	1075.9	1067.4	1059.6	1053.9	1048.2	1053.9
35°	999.1	998.5	997.9	991.3	982.6	973.3	963.5	954.6	948.6	942.7	948.6
37.5°	861.1	861.9	862.8	857.8	851.0	843.6	835.9	828.5	822.5	816.5	822.5
40°	766.0	766.6	767.2	763.0	757.4	748.9	737.5	728.6	727.1	725.6	727.1
42.5°	649.9	658.8	667.8	664.1	656.3	648.0	639.3	631.0	624.1	617.1	624.1
45°	442.1	469.3	496.5	503.2	503.2	498.0	487.6	472.6	443.9	415.2	443.9
47.5°	249.7	280.6	311.5	331.9	348.7	341.5	310.5	278.5	243.6	208.8	243.6
50°	157.2	178.1	199.0	225.1	252.9	245.2	202.2	167.1	155.4	143.8	155.4
52.5°	111.5	122.2	132.8	157.4	186.6	183.0	146.7	117.9	111.8	105.6	111.8
55°	69.2	73.1	77.0	88.9	103.5	102.7	86.2	73.3	70.9	68.5	70.9
57.5°	41.1	45.1	49.1	54.4	60.2	60.2	54.4	49.2	45.4	41.7	45.4
60°	28.2	31.5	34.8	39.2	44.0	43.4	37.4	32.1	28.8	25.5	28.8
62.5°	24.5	25.8	27.2	30.6	34.7	34.3	29.5	25.7	24.5	23.4	24.5
65°	21.5	21.8	22.1	22.4	22.7	22.5	21.9	21.4	20.8	20.2	20.8
67.5°	18.9	19.2	19.5	19.4	19.2	19.1	19.0	18.8	18.3	17.7	18.3
70°	16.8	17.1	17.4	17.5	17.5	17.3	17.0	16.7	16.4	16.1	16.4
72.5°	15.2	15.5	15.8	15.7	15.4	15.3	15.2	15.1	14.5	14.0	14.5
75°	12.8	12.8	12.8	12.8	12.8	12.6	12.3	12.0	11.7	11.4	11.7
77.5°	9.7	10.0	10.3	10.1	9.8	9.7	9.7	9.6	9.3	9.0	9.3
80°	8.1	8.4	8.7	8.5	8.2	8.1	8.1	8.0	7.7	7.4	7.7
82.5°	6.5	6.5	6.6	6.5	6.5	6.5	6.5	6.4	6.1	5.8	6.1
85°	4.0	4.0	4.0	3.8	3.5	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	2.3	4.1	6.4	7.9	8.8	9.1	9.1	9.5	9.9	9.9	9.9
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1405.0	1401.4	1396.1	1396.0	1401.0	1405.2	1406.9	1408.6	1406.9	1405.2	1401.0
5°	1410.1	1404.0	1395.7	1394.3	1400.0	1404.8	1406.9	1409.0	1406.9	1404.8	1400.0
7.5°	1409.6	1405.2	1398.8	1397.8	1402.2	1405.7	1406.6	1407.5	1406.6	1405.7	1402.2
10°	1408.1	1403.4	1396.8	1396.6	1402.9	1407.5	1407.2	1406.9	1407.2	1407.5	1402.9
12.5°	1402.4	1399.1	1393.9	1395.9	1405.1	1411.3	1408.9	1406.4	1408.9	1411.3	1405.1
15°	1384.0	1384.8	1384.8	1391.2	1404.0	1412.5	1407.7	1402.9	1407.7	1412.5	1404.0
17.5°	1350.9	1355.3	1359.9	1370.8	1387.9	1399.3	1393.7	1388.0	1393.7	1399.3	1387.9
20°	1321.9	1327.9	1335.3	1349.1	1369.1	1382.7	1377.0	1371.3	1377.0	1382.7	1369.1
22.5°	1291.6	1298.3	1306.5	1321.3	1342.8	1357.3	1351.1	1345.0	1351.1	1357.3	1342.8
25°	1242.9	1248.2	1254.1	1268.0	1289.8	1305.0	1300.2	1295.4	1300.2	1305.0	1289.8
27.5°	1172.8	1179.0	1185.8	1199.5	1219.9	1234.6	1231.9	1229.3	1231.9	1234.6	1219.9
30°	1118.9	1127.4	1136.4	1148.9	1165.1	1176.9	1175.7	1174.5	1175.7	1176.9	1165.1
32.5°	1059.6	1067.4	1075.9	1087.2	1101.5	1111.8	1110.6	1109.4	1110.6	1111.8	1101.5
35°	954.6	963.5	973.3	982.6	991.3	997.9	998.5	999.1	998.5	997.9	991.3
37.5°	828.5	835.9	843.6	851.0	857.8	862.8	861.9	861.1	861.9	862.8	857.8
40°	728.6	737.5	748.9	757.4	763.0	767.2	766.6	766.0	766.6	767.2	763.0
42.5°	631.0	639.3	648.0	656.3	664.1	667.8	658.8	649.9	658.8	667.8	664.1
45°	472.6	487.6	498.0	503.2	503.2	496.5	469.3	442.1	469.3	496.5	503.2
47.5°	278.5	310.5	341.5	348.7	331.9	311.5	280.6	249.7	280.6	311.5	331.9
50°	167.1	202.2	245.2	252.9	225.1	199.0	178.1	157.2	178.1	199.0	225.1
52.5°	117.9	146.7	183.0	186.6	157.4	132.8	122.2	111.5	122.2	132.8	157.4
55°	73.3	86.2	102.7	103.5	88.9	77.0	73.1	69.2	73.1	77.0	88.9
57.5°	49.2	54.4	60.2	60.2	54.4	49.1	45.1	41.1	45.1	49.1	54.4
60°	32.1	37.4	43.4	44.0	39.2	34.8	31.5	28.2	31.5	34.8	39.2
62.5°	25.7	29.5	34.3	34.7	30.6	27.2	25.8	24.5	25.8	27.2	30.6
65°	21.4	21.9	22.5	22.7	22.4	22.1	21.8	21.5	21.8	22.1	22.4
67.5°	18.8	19.0	19.1	19.2	19.4	19.5	19.2	18.9	19.2	19.5	19.4
70°	16.7	17.0	17.3	17.5	17.5	17.4	17.1	16.8	17.1	17.4	17.5
72.5°	15.1	15.2	15.3	15.4	15.7	15.8	15.5	15.2	15.5	15.8	15.7
75°	12.0	12.3	12.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
77.5°	9.6	9.7	9.7	9.8	10.1	10.3	10.0	9.7	10.0	10.3	10.1
80°	8.0	8.1	8.1	8.2	8.5	8.7	8.4	8.1	8.4	8.7	8.5
82.5°	6.4	6.5	6.5	6.5	6.5	6.6	6.5	6.5	6.5	6.6	6.5
85°	3.4	3.4	3.4	3.5	3.8	4.0	4.0	4.0	4.0	4.0	3.8
87.5°	9.5	9.1	9.1	8.8	7.9	6.4	4.1	2.3	4.1	6.0	8.7
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1428564

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1396.0	1396.1	1401.4	1405.0	1403.8	1402.6	1403.8	1405.0	1401.4	1396.1	1396.0
5°	1394.3	1395.7	1404.0	1410.1	1409.2	1408.3	1409.2	1410.1	1404.0	1395.7	1394.3
7.5°	1397.8	1398.8	1405.2	1409.6	1408.2	1406.8	1408.2	1409.6	1405.2	1398.8	1397.8
10°	1396.6	1396.8	1403.4	1408.1	1407.2	1406.3	1407.2	1408.1	1403.4	1396.8	1396.6
12.5°	1395.9	1393.9	1399.1	1402.4	1400.3	1398.2	1400.3	1402.4	1399.1	1393.9	1395.9
15°	1391.2	1384.8	1384.8	1384.0	1381.0	1378.1	1381.0	1384.0	1384.8	1384.8	1391.2
17.5°	1370.8	1359.9	1355.3	1350.9	1347.3	1343.7	1347.3	1350.9	1355.3	1359.9	1370.8
20°	1349.1	1335.3	1327.9	1321.9	1320.4	1318.9	1320.4	1321.9	1327.9	1335.3	1349.1
22.5°	1321.3	1306.5	1298.3	1291.6	1289.1	1286.7	1289.1	1291.6	1298.3	1306.5	1321.3
25°	1268.0	1254.1	1248.2	1242.9	1239.6	1236.3	1239.6	1242.9	1248.2	1254.1	1268.0
27.5°	1199.5	1185.8	1179.0	1172.8	1168.3	1163.7	1168.3	1172.8	1179.0	1185.8	1199.5
30°	1148.9	1136.4	1127.4	1118.9	1111.8	1104.6	1111.8	1118.9	1127.4	1136.4	1148.9
32.5°	1087.2	1075.9	1067.4	1059.6	1053.9	1048.2	1053.9	1059.6	1067.4	1075.9	1087.2
35°	982.6	973.3	963.5	954.6	948.6	942.7	948.6	954.6	963.5	973.3	982.6
37.5°	851.0	843.6	835.9	828.5	822.5	816.5	822.5	828.5	835.9	843.6	851.0
40°	757.4	748.9	737.5	728.6	727.1	725.6	727.1	728.6	737.5	748.9	757.4
42.5°	656.3	648.0	639.3	631.0	624.1	617.1	624.1	631.0	639.3	648.0	656.3
45°	503.2	498.0	487.6	472.6	443.9	415.2	443.9	472.6	487.6	498.0	503.2
47.5°	348.7	341.5	310.5	278.5	243.6	208.8	243.6	278.5	310.5	341.5	348.7
50°	252.9	245.2	202.2	167.1	155.4	143.8	155.4	167.1	202.2	245.2	252.9
52.5°	186.6	183.0	146.7	117.9	111.8	105.6	111.8	117.9	146.7	183.0	186.6
55°	103.5	102.7	86.2	73.3	70.9	68.5	70.9	73.3	86.2	102.7	103.5
57.5°	60.2	60.2	54.4	49.2	45.4	41.7	45.4	49.2	54.4	60.2	60.2
60°	44.0	43.4	37.4	32.1	28.8	25.5	28.8	32.1	37.4	43.4	44.0
62.5°	34.7	34.3	29.5	25.7	24.5	23.4	24.5	25.7	29.5	34.3	34.7
65°	22.7	22.5	21.9	21.4	20.8	20.2	20.8	21.4	21.9	22.5	22.7
67.5°	19.2	19.1	19.0	18.8	18.3	17.7	18.3	18.8	19.0	19.1	19.2
70°	17.5	17.3	17.0	16.7	16.4	16.1	16.4	16.7	17.0	17.3	17.5
72.5°	15.4	15.3	15.2	15.1	14.5	14.0	14.5	15.1	15.2	15.3	15.4
75°	12.8	12.6	12.3	12.0	11.7	11.4	11.7	12.0	12.3	12.6	12.8
77.5°	9.8	9.7	9.7	9.6	9.3	9.0	9.3	9.6	9.7	9.7	9.8
80°	8.2	8.1	8.1	8.0	7.7	7.4	7.7	8.0	8.1	8.1	8.2
82.5°	6.5	6.5	6.5	6.4	6.1	5.8	6.1	6.4	6.5	6.5	6.5
85°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5
87.5°	10.4	13.1	16.0	17.6	19.2	18.4	19.2	17.6	16.0	13.1	10.4
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1428564

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428564

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1401.6	1401.6	1401.6	1401.6
2.5°	1401.0	1405.2	1406.9	1408.6
5°	1400.0	1404.8	1406.9	1409.0
7.5°	1402.2	1405.7	1406.6	1407.5
10°	1402.9	1407.5	1407.2	1406.9
12.5°	1405.1	1411.3	1408.9	1406.4
15°	1404.0	1412.5	1407.7	1402.9
17.5°	1387.9	1399.3	1393.7	1388.0
20°	1369.1	1382.7	1377.0	1371.3
22.5°	1342.8	1357.3	1351.1	1345.0
25°	1289.8	1305.0	1300.2	1295.4
27.5°	1219.9	1234.6	1231.9	1229.3
30°	1165.1	1176.9	1175.7	1174.5
32.5°	1101.5	1111.8	1110.6	1109.4
35°	991.3	997.9	998.5	999.1
37.5°	857.8	862.8	861.9	861.1
40°	763.0	767.2	766.6	766.0
42.5°	664.1	667.8	658.8	649.9
45°	503.2	496.5	469.3	442.1
47.5°	331.9	311.5	280.6	249.7
50°	225.1	199.0	178.1	157.2
52.5°	157.4	132.8	122.2	111.5
55°	88.9	77.0	73.1	69.2
57.5°	54.4	49.1	45.1	41.1
60°	39.2	34.8	31.5	28.2
62.5°	30.6	27.2	25.8	24.5
65°	22.4	22.1	21.8	21.5
67.5°	19.4	19.5	19.2	18.9
70°	17.5	17.4	17.1	16.8
72.5°	15.7	15.8	15.5	15.2
75°	12.8	12.8	12.8	12.8
77.5°	10.1	10.3	10.0	9.7
80°	8.5	8.7	8.4	8.1
82.5°	6.5	6.6	6.5	6.5
85°	3.8	4.0	4.0	4.0
87.5°	8.7	6.0	4.1	2.3
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1428564

CATALOG NUMBER: SQ2W-WBM-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428564  
 CATALOG NUMBER: SQ2W-WBM-K-150U-050D-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	0.09	0.71	1.24	1.83	3.40	0.07	0.70	1.22	1.82	3.39
	3H	0.77	1.32	1.92	2.45	4.04	0.69	1.24	1.85	2.38	3.96
	4H	1.13	1.65	2.29	2.78	4.37	0.99	1.51	2.15	2.65	4.24
	6H	1.39	1.88	2.57	3.01	4.61	1.22	1.70	2.39	2.83	4.43
	8H	1.51	1.97	2.69	3.12	4.71	1.31	1.77	2.49	2.92	4.51
	12H	1.59	2.02	2.76	3.16	4.78	1.36	1.80	2.54	2.94	4.55
4H	2H	0.17	0.69	1.34	1.82	3.41	0.15	0.68	1.33	1.81	3.40
	3H	1.10	1.53	2.27	2.69	4.29	1.02	1.45	2.19	2.61	4.21
	4H	1.61	2.01	2.78	3.15	4.77	1.46	1.86	2.63	3.00	4.62
	6H	2.03	2.37	3.21	3.54	5.15	1.83	2.17	3.01	3.34	4.95
	8H	2.22	2.54	3.40	3.70	5.33	2.00	2.31	3.17	3.47	5.10
	12H	2.34	2.63	3.54	3.80	5.43	2.09	2.37	3.28	3.55	5.18
8H	4H	1.72	2.04	2.90	3.20	4.82	1.58	1.90	2.76	3.06	4.69
	6H	2.30	2.56	3.49	3.76	5.38	2.10	2.37	3.30	3.57	5.19
	8H	2.59	2.82	3.79	4.00	5.64	2.38	2.60	3.58	3.79	5.43
	12H	2.80	3.00	4.01	4.18	5.86	2.55	2.75	3.75	3.93	5.60
12H	4H	1.69	1.98	2.89	3.15	4.78	1.56	1.85	2.76	3.02	4.65
	6H	2.34	2.56	3.54	3.75	5.39	2.15	2.38	3.35	3.56	5.20
	8H	2.66	2.86	3.86	4.04	5.71	2.45	2.65	3.66	3.83	5.51