

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: P1428544

Luminaire Tested: SQ2W-WBM-K-100U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428544  
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-100U-075D-L940-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 750 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

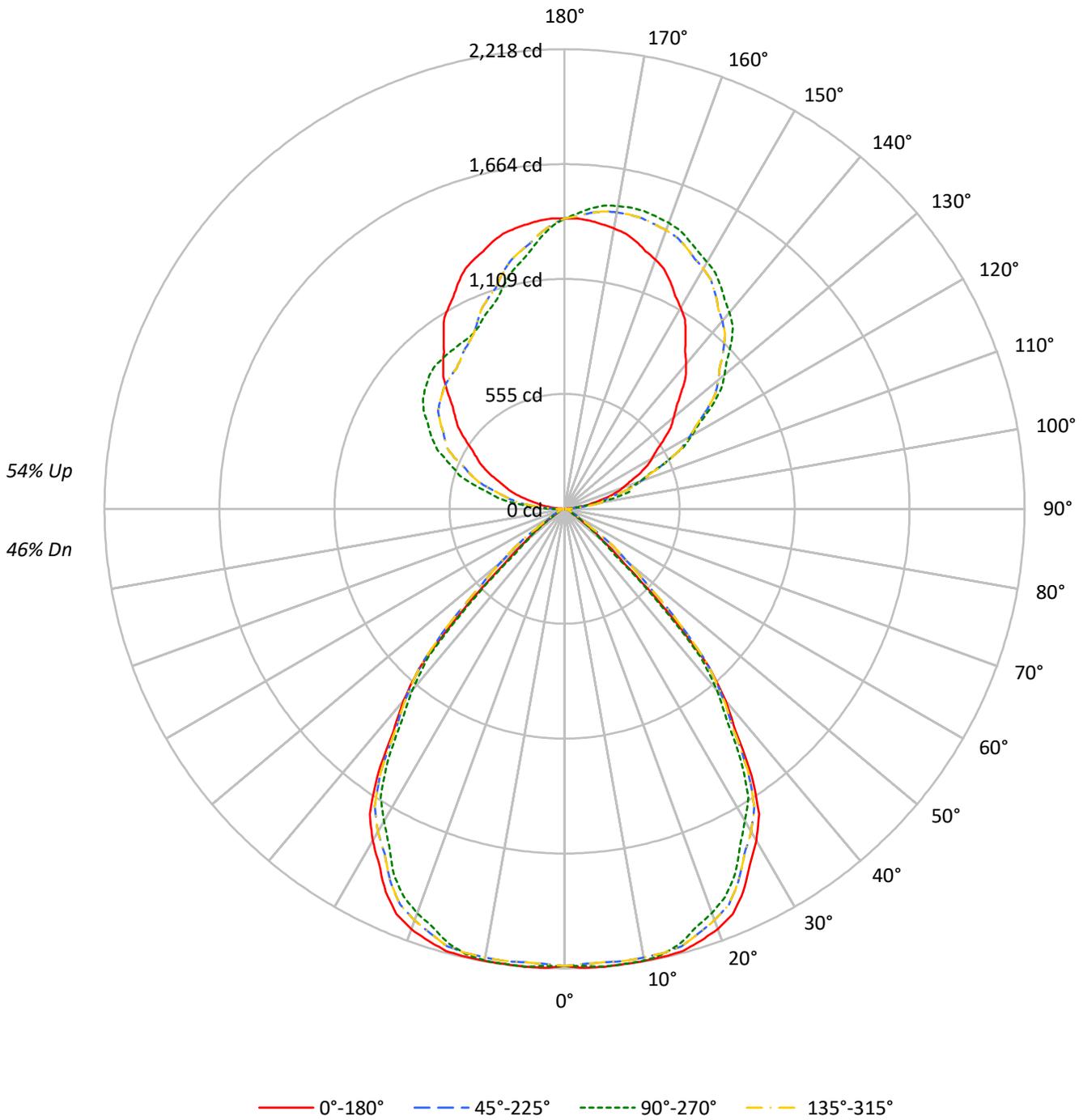
Lumens per Lamp: N/A  
Luminaire Lumens: 7546.9 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 60.7  
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-100U-075D-L940-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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	98	95	92	89	90	87	85	82	73	71	70	60	59	58	49	48	47	42
2	91	85	80	75	84	78	74	70	66	63	61	55	53	51	45	44	43	38
3	84	76	70	65	77	71	65	61	60	56	53	50	48	46	42	40	38	34
4	78	69	62	56	72	64	58	53	55	50	47	46	43	41	38	36	35	31
5	72	62	55	50	67	58	52	47	50	45	42	42	39	36	35	33	31	28
6	67	56	49	44	62	53	46	42	46	41	37	39	35	33	33	30	28	26
7	62	51	44	39	58	48	42	37	42	37	33	36	32	30	30	28	26	23
8	58	47	40	35	54	44	38	34	39	34	30	33	30	27	28	26	24	22
9	54	43	36	32	50	41	35	30	36	31	28	31	27	25	26	24	22	20
10	51	40	33	29	47	38	32	28	33	28	25	29	25	23	25	22	20	18

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

	0°	90°	180°	270°
0°	35625	35625	35625	35625
5°	35949	35933	35949	35933
10°	36314	36296	36314	36296
15°	36917	36263	36917	36263
20°	37094	35676	37094	35676
25°	36331	34673	36331	34673
30°	34471	32421	34471	32421
35°	31002	29250	31002	29250
40°	25416	24078	25416	24078
45°	15892	14926	15892	14926
50°	6217	5687	6217	5687
55°	3068	3037	3068	3037
60°	1434	1298	1434	1298
65°	1291	1211	1291	1211
70°	1246	1199	1246	1199
75°	1254	1123	1254	1123
80°	1181	1079	1181	1079
85°	1167	982	1167	982

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 18091 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.0	2.8
10°-20°	616.9	8.2
20°-30°	912.1	12.1
30°-40°	943.7	12.5
40°-50°	567.7	7.5
50°-60°	135.7	1.8
60°-70°	37.1	0.5
70°-80°	20.8	0.3
80°-90°	12.3	0.2
90°-100°	111.5	1.5
100°-110°	325.1	4.3
110°-120°	530.5	7.0
120°-130°	673.2	8.9
130°-140°	720.3	9.5
140°-150°	672.6	8.9
150°-160°	553.5	7.3
160°-170°	371.2	4.9
170°-180°	131.8	1.7
0°-30°	1739.9	23.1
0°-40°	2683.7	35.6
0°-60°	3387.0	44.9
0°-90°	3457.2	45.8
90°-120°	967.1	12.8
90°-150°	3033.2	40.2
90°-180°	4090.0	54.2
0°-180°	7546.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2206	2206	2206	2206	2206	
5°	2218	2217	2218	2217	2218	212
15°	2209	2170	2209	2170	2209	622
25°	2039	1946	2039	1946	2039	932
35°	1573	1484	1573	1484	1573	966
45°	696	654	696	654	696	538
55°	109	108	109	108	109	109
65°	34	32	34	32	34	34
75°	20	18	20	18	20	21
85°	6	5	6	5	6	7
90°	4	31	4	61	4	4
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5
2.5°	2217.5	2214.9	2212.2	2205.7	2197.8	2197.9	2206.2	2212.0	2210.1	2208.2	2210.1
5°	2218.1	2214.8	2211.6	2204.0	2195.1	2197.2	2210.4	2219.9	2218.5	2217.1	2218.5
7.5°	2215.8	2214.4	2213.0	2207.5	2200.6	2202.2	2212.1	2219.1	2216.9	2214.8	2216.9
10°	2215.0	2215.4	2215.9	2208.6	2198.7	2199.0	2209.3	2216.7	2215.3	2213.9	2215.3
12.5°	2214.1	2218.0	2221.8	2212.0	2197.6	2194.5	2202.6	2207.8	2204.5	2201.2	2204.5
15°	2208.6	2216.1	2223.7	2210.4	2190.2	2180.1	2180.1	2178.9	2174.2	2169.5	2174.2
17.5°	2185.1	2194.1	2203.0	2185.0	2158.0	2140.9	2133.7	2126.8	2121.1	2115.3	2121.1
20°	2158.9	2167.8	2176.8	2155.4	2123.9	2102.3	2090.5	2081.1	2078.7	2076.4	2078.7
22.5°	2117.4	2127.1	2136.8	2113.9	2080.2	2056.8	2044.0	2033.3	2029.5	2025.6	2029.5
25°	2039.4	2046.9	2054.4	2030.6	1996.2	1974.4	1965.0	1956.6	1951.5	1946.3	1951.5
27.5°	1935.3	1939.4	1943.6	1920.5	1888.3	1866.9	1856.2	1846.3	1839.2	1832.1	1839.2
30°	1849.0	1850.9	1852.7	1834.2	1808.8	1789.0	1774.9	1761.5	1750.3	1739.0	1750.3
32.5°	1746.6	1748.5	1750.3	1734.0	1711.7	1693.8	1680.4	1668.2	1659.1	1650.1	1659.1
35°	1572.9	1572.0	1571.0	1560.6	1546.9	1532.4	1516.8	1502.9	1493.5	1484.0	1493.5
37.5°	1355.6	1357.0	1358.3	1350.5	1339.7	1328.2	1315.9	1304.4	1294.9	1285.4	1294.9
40°	1205.9	1206.8	1207.7	1201.3	1192.3	1178.9	1161.1	1147.1	1144.7	1142.4	1144.7
42.5°	1023.1	1037.2	1051.3	1045.6	1033.3	1020.2	1006.5	993.5	982.5	971.5	982.5
45°	696.0	738.8	781.6	792.3	792.3	784.0	767.6	744.0	698.8	653.7	698.8
47.5°	393.1	441.8	490.5	522.5	548.9	537.7	488.8	438.4	383.6	328.8	383.6
50°	247.5	280.4	313.3	354.4	398.1	386.1	318.4	263.0	244.7	226.4	244.7
52.5°	175.6	192.3	209.1	247.7	293.7	288.1	230.9	185.6	176.0	166.3	176.0
55°	109.0	115.1	121.2	140.0	163.0	161.6	135.7	115.4	111.7	107.9	111.7
57.5°	64.7	71.0	77.3	85.7	94.7	94.7	85.7	77.4	71.5	65.6	71.5
60°	44.4	49.6	54.8	61.7	69.2	68.3	58.9	50.5	45.4	40.2	45.4
62.5°	38.5	40.7	42.8	48.2	54.6	54.0	46.5	40.4	38.6	36.8	38.6
65°	33.8	34.3	34.8	35.3	35.7	35.5	34.6	33.6	32.7	31.7	32.7
67.5°	29.8	30.3	30.8	30.6	30.2	30.0	29.9	29.6	28.8	27.9	28.8
70°	26.4	26.9	27.4	27.5	27.5	27.3	26.8	26.3	25.9	25.4	25.9
72.5°	23.9	24.4	24.8	24.7	24.3	24.1	24.0	23.7	22.8	22.0	22.8
75°	20.1	20.1	20.1	20.1	20.1	19.9	19.4	18.9	18.5	18.0	18.5
77.5°	15.2	15.7	16.2	15.9	15.5	15.2	15.2	15.1	14.6	14.2	14.6
80°	12.7	13.2	13.6	13.4	12.9	12.7	12.7	12.6	12.1	11.6	12.1
82.5°	10.2	10.2	10.3	10.3	10.2	10.2	10.2	10.0	9.6	9.1	9.6
85°	6.3	6.3	6.3	6.0	5.5	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	2.5	4.0	5.8	6.8	7.3	7.4	7.4	7.6	7.9	7.9	7.9
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5
2.5°	2212.0	2206.2	2197.9	2197.8	2205.7	2212.2	2214.9	2217.5	2214.9	2212.2	2205.7
5°	2219.9	2210.4	2197.2	2195.1	2204.0	2211.6	2214.8	2218.1	2214.8	2211.6	2204.0
7.5°	2219.1	2212.1	2202.2	2200.6	2207.5	2213.0	2214.4	2215.8	2214.4	2213.0	2207.5
10°	2216.7	2209.3	2199.0	2198.7	2208.6	2215.9	2215.4	2215.0	2215.4	2215.9	2208.6
12.5°	2207.8	2202.6	2194.5	2197.6	2212.0	2221.8	2218.0	2214.1	2218.0	2221.8	2212.0
15°	2178.9	2180.1	2180.1	2190.2	2210.4	2223.7	2216.1	2208.6	2216.1	2223.7	2210.4
17.5°	2126.8	2133.7	2140.9	2158.0	2185.0	2203.0	2194.1	2185.1	2194.1	2203.0	2185.0
20°	2081.1	2090.5	2102.3	2123.9	2155.4	2176.8	2167.8	2158.9	2167.8	2176.8	2155.4
22.5°	2033.3	2044.0	2056.8	2080.2	2113.9	2136.8	2127.1	2117.4	2127.1	2136.8	2113.9
25°	1956.6	1965.0	1974.4	1996.2	2030.6	2054.4	2046.9	2039.4	2046.9	2054.4	2030.6
27.5°	1846.3	1856.2	1866.9	1888.3	1920.5	1943.6	1939.4	1935.3	1939.4	1943.6	1920.5
30°	1761.5	1774.9	1789.0	1808.8	1834.2	1852.7	1850.9	1849.0	1850.9	1852.7	1834.2
32.5°	1668.2	1680.4	1693.8	1711.7	1734.0	1750.3	1748.5	1746.6	1748.5	1750.3	1734.0
35°	1502.9	1516.8	1532.4	1546.9	1560.6	1571.0	1572.0	1572.9	1572.0	1571.0	1560.6
37.5°	1304.4	1315.9	1328.2	1339.7	1350.5	1358.3	1357.0	1355.6	1357.0	1358.3	1350.5
40°	1147.1	1161.1	1178.9	1192.3	1201.3	1207.7	1206.8	1205.9	1206.8	1207.7	1201.3
42.5°	993.5	1006.5	1020.2	1033.3	1045.6	1051.3	1037.2	1023.1	1037.2	1051.3	1045.6
45°	744.0	767.6	784.0	792.3	792.3	781.6	738.8	696.0	738.8	781.6	792.3
47.5°	438.4	488.8	537.7	548.9	522.5	490.5	441.8	393.1	441.8	490.5	522.5
50°	263.0	318.4	386.1	398.1	354.4	313.3	280.4	247.5	280.4	313.3	354.4
52.5°	185.6	230.9	288.1	293.7	247.7	209.1	192.3	175.6	192.3	209.1	247.7
55°	115.4	135.7	161.6	163.0	140.0	121.2	115.1	109.0	115.1	121.2	140.0
57.5°	77.4	85.7	94.7	94.7	85.7	77.3	71.0	64.7	71.0	77.3	85.7
60°	50.5	58.9	68.3	69.2	61.7	54.8	49.6	44.4	49.6	54.8	61.7
62.5°	40.4	46.5	54.0	54.6	48.2	42.8	40.7	38.5	40.7	42.8	48.2
65°	33.6	34.6	35.5	35.7	35.3	34.8	34.3	33.8	34.3	34.8	35.3
67.5°	29.6	29.9	30.0	30.2	30.6	30.8	30.3	29.8	30.3	30.8	30.6
70°	26.3	26.8	27.3	27.5	27.5	27.4	26.9	26.4	26.9	27.4	27.5
72.5°	23.7	24.0	24.1	24.3	24.7	24.8	24.4	23.9	24.4	24.8	24.7
75°	18.9	19.4	19.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
77.5°	15.1	15.2	15.2	15.5	15.9	16.2	15.7	15.2	15.7	16.2	15.9
80°	12.6	12.7	12.7	12.9	13.4	13.6	13.2	12.7	13.2	13.6	13.4
82.5°	10.0	10.2	10.2	10.2	10.3	10.3	10.2	10.2	10.2	10.3	10.3
85°	5.3	5.3	5.3	5.5	6.0	6.3	6.3	6.3	6.3	6.3	6.0
87.5°	7.6	7.4	7.4	7.3	6.8	5.8	4.0	2.5	4.0	5.6	7.3
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1428544

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428544

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5	2206.5
2.5°	2197.8	2197.9	2206.2	2212.0	2210.1	2208.2	2210.1	2212.0	2206.2	2197.9	2197.8
5°	2195.1	2197.2	2210.4	2219.9	2218.5	2217.1	2218.5	2219.9	2210.4	2197.2	2195.1
7.5°	2200.6	2202.2	2212.1	2219.1	2216.9	2214.8	2216.9	2219.1	2212.1	2202.2	2200.6
10°	2198.7	2199.0	2209.3	2216.7	2215.3	2213.9	2215.3	2216.7	2209.3	2199.0	2198.7
12.5°	2197.6	2194.5	2202.6	2207.8	2204.5	2201.2	2204.5	2207.8	2202.6	2194.5	2197.6
15°	2190.2	2180.1	2180.1	2178.9	2174.2	2169.5	2174.2	2178.9	2180.1	2180.1	2190.2
17.5°	2158.0	2140.9	2133.7	2126.8	2121.1	2115.3	2121.1	2126.8	2133.7	2140.9	2158.0
20°	2123.9	2102.3	2090.5	2081.1	2078.7	2076.4	2078.7	2081.1	2090.5	2102.3	2123.9
22.5°	2080.2	2056.8	2044.0	2033.3	2029.5	2025.6	2029.5	2033.3	2044.0	2056.8	2080.2
25°	1996.2	1974.4	1965.0	1956.6	1951.5	1946.3	1951.5	1956.6	1965.0	1974.4	1996.2
27.5°	1888.3	1866.9	1856.2	1846.3	1839.2	1832.1	1839.2	1846.3	1856.2	1866.9	1888.3
30°	1808.8	1789.0	1774.9	1761.5	1750.3	1739.0	1750.3	1761.5	1774.9	1789.0	1808.8
32.5°	1711.7	1693.8	1680.4	1668.2	1659.1	1650.1	1659.1	1668.2	1680.4	1693.8	1711.7
35°	1546.9	1532.4	1516.8	1502.9	1493.5	1484.0	1493.5	1502.9	1516.8	1532.4	1546.9
37.5°	1339.7	1328.2	1315.9	1304.4	1294.9	1285.4	1294.9	1304.4	1315.9	1328.2	1339.7
40°	1192.3	1178.9	1161.1	1147.1	1144.7	1142.4	1144.7	1147.1	1161.1	1178.9	1192.3
42.5°	1033.3	1020.2	1006.5	993.5	982.5	971.5	982.5	993.5	1006.5	1020.2	1033.3
45°	792.3	784.0	767.6	744.0	698.8	653.7	698.8	744.0	767.6	784.0	792.3
47.5°	548.9	537.7	488.8	438.4	383.6	328.8	383.6	438.4	488.8	537.7	548.9
50°	398.1	386.1	318.4	263.0	244.7	226.4	244.7	263.0	318.4	386.1	398.1
52.5°	293.7	288.1	230.9	185.6	176.0	166.3	176.0	185.6	230.9	288.1	293.7
55°	163.0	161.6	135.7	115.4	111.7	107.9	111.7	115.4	135.7	161.6	163.0
57.5°	94.7	94.7	85.7	77.4	71.5	65.6	71.5	77.4	85.7	94.7	94.7
60°	69.2	68.3	58.9	50.5	45.4	40.2	45.4	50.5	58.9	68.3	69.2
62.5°	54.6	54.0	46.5	40.4	38.6	36.8	38.6	40.4	46.5	54.0	54.6
65°	35.7	35.5	34.6	33.6	32.7	31.7	32.7	33.6	34.6	35.5	35.7
67.5°	30.2	30.0	29.9	29.6	28.8	27.9	28.8	29.6	29.9	30.0	30.2
70°	27.5	27.3	26.8	26.3	25.9	25.4	25.9	26.3	26.8	27.3	27.5
72.5°	24.3	24.1	24.0	23.7	22.8	22.0	22.8	23.7	24.0	24.1	24.3
75°	20.1	19.9	19.4	18.9	18.5	18.0	18.5	18.9	19.4	19.9	20.1
77.5°	15.5	15.2	15.2	15.1	14.6	14.2	14.6	15.1	15.2	15.2	15.5
80°	12.9	12.7	12.7	12.6	12.1	11.6	12.1	12.6	12.7	12.7	12.9
82.5°	10.2	10.2	10.2	10.0	9.6	9.1	9.6	10.0	10.2	10.2	10.2
85°	5.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.5
87.5°	8.4	10.2	12.2	13.3	14.4	13.9	14.4	13.3	12.2	10.2	8.4
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1428544

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428544

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2206.5	2206.5	2206.5	2206.5
2.5°	2205.7	2212.2	2214.9	2217.5
5°	2204.0	2211.6	2214.8	2218.1
7.5°	2207.5	2213.0	2214.4	2215.8
10°	2208.6	2215.9	2215.4	2215.0
12.5°	2212.0	2221.8	2218.0	2214.1
15°	2210.4	2223.7	2216.1	2208.6
17.5°	2185.0	2203.0	2194.1	2185.1
20°	2155.4	2176.8	2167.8	2158.9
22.5°	2113.9	2136.8	2127.1	2117.4
25°	2030.6	2054.4	2046.9	2039.4
27.5°	1920.5	1943.6	1939.4	1935.3
30°	1834.2	1852.7	1850.9	1849.0
32.5°	1734.0	1750.3	1748.5	1746.6
35°	1560.6	1571.0	1572.0	1572.9
37.5°	1350.5	1358.3	1357.0	1355.6
40°	1201.3	1207.7	1206.8	1205.9
42.5°	1045.6	1051.3	1037.2	1023.1
45°	792.3	781.6	738.8	696.0
47.5°	522.5	490.5	441.8	393.1
50°	354.4	313.3	280.4	247.5
52.5°	247.7	209.1	192.3	175.6
55°	140.0	121.2	115.1	109.0
57.5°	85.7	77.3	71.0	64.7
60°	61.7	54.8	49.6	44.4
62.5°	48.2	42.8	40.7	38.5
65°	35.3	34.8	34.3	33.8
67.5°	30.6	30.8	30.3	29.8
70°	27.5	27.4	26.9	26.4
72.5°	24.7	24.8	24.4	23.9
75°	20.1	20.1	20.1	20.1
77.5°	15.9	16.2	15.7	15.2
80°	13.4	13.6	13.2	12.7
82.5°	10.3	10.3	10.2	10.2
85°	6.0	6.3	6.3	6.3
87.5°	7.3	5.6	4.0	2.5
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1428544

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428544

CATALOG NUMBER: SQ2W-WBM-K-100U-075D-L940-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	3.91	4.61	4.94	5.62	6.96	3.90	4.60	4.92	5.61	6.95
	3H	4.60	5.22	5.63	6.24	7.60	4.52	5.14	5.55	6.16	7.52
	4H	4.96	5.55	6.01	6.57	7.94	4.82	5.41	5.87	6.43	7.80
	6H	5.23	5.77	6.28	6.79	8.17	5.05	5.59	6.11	6.62	8.00
	8H	5.35	5.86	6.41	6.90	8.27	5.15	5.66	6.21	6.70	8.08
	12H	5.42	5.91	6.49	6.94	8.34	5.20	5.68	6.26	6.72	8.12
4H	2H	4.00	4.59	5.05	5.61	6.98	3.99	4.57	5.04	5.59	6.96
	3H	4.94	5.42	6.00	6.47	7.85	4.86	5.34	5.91	6.39	7.77
	4H	5.45	5.89	6.51	6.93	8.33	5.30	5.74	6.36	6.78	8.19
	6H	5.87	6.25	6.94	7.31	8.71	5.67	6.05	6.74	7.11	8.52
	8H	6.06	6.41	7.13	7.47	8.88	5.84	6.19	6.91	7.25	8.66
	12H	6.18	6.50	7.27	7.57	8.99	5.93	6.24	7.01	7.32	8.73
8H	4H	5.56	5.91	6.63	6.97	8.38	5.43	5.78	6.50	6.84	8.25
	6H	6.14	6.42	7.23	7.52	8.94	5.95	6.23	7.04	7.33	8.74
	8H	6.43	6.68	7.53	7.76	9.19	6.21	6.47	7.31	7.55	8.98
	12H	6.64	6.86	7.74	7.94	9.41	6.38	6.61	7.48	7.68	9.15
12H	4H	5.54	5.85	6.62	6.93	8.34	5.41	5.73	6.50	6.80	8.22
	6H	6.17	6.43	7.27	7.51	8.94	5.99	6.24	7.09	7.33	8.76
	8H	6.50	6.72	7.59	7.80	9.27	6.29	6.51	7.39	7.59	9.06