

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: P1427538

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427538
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-100U-100D-L935-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 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

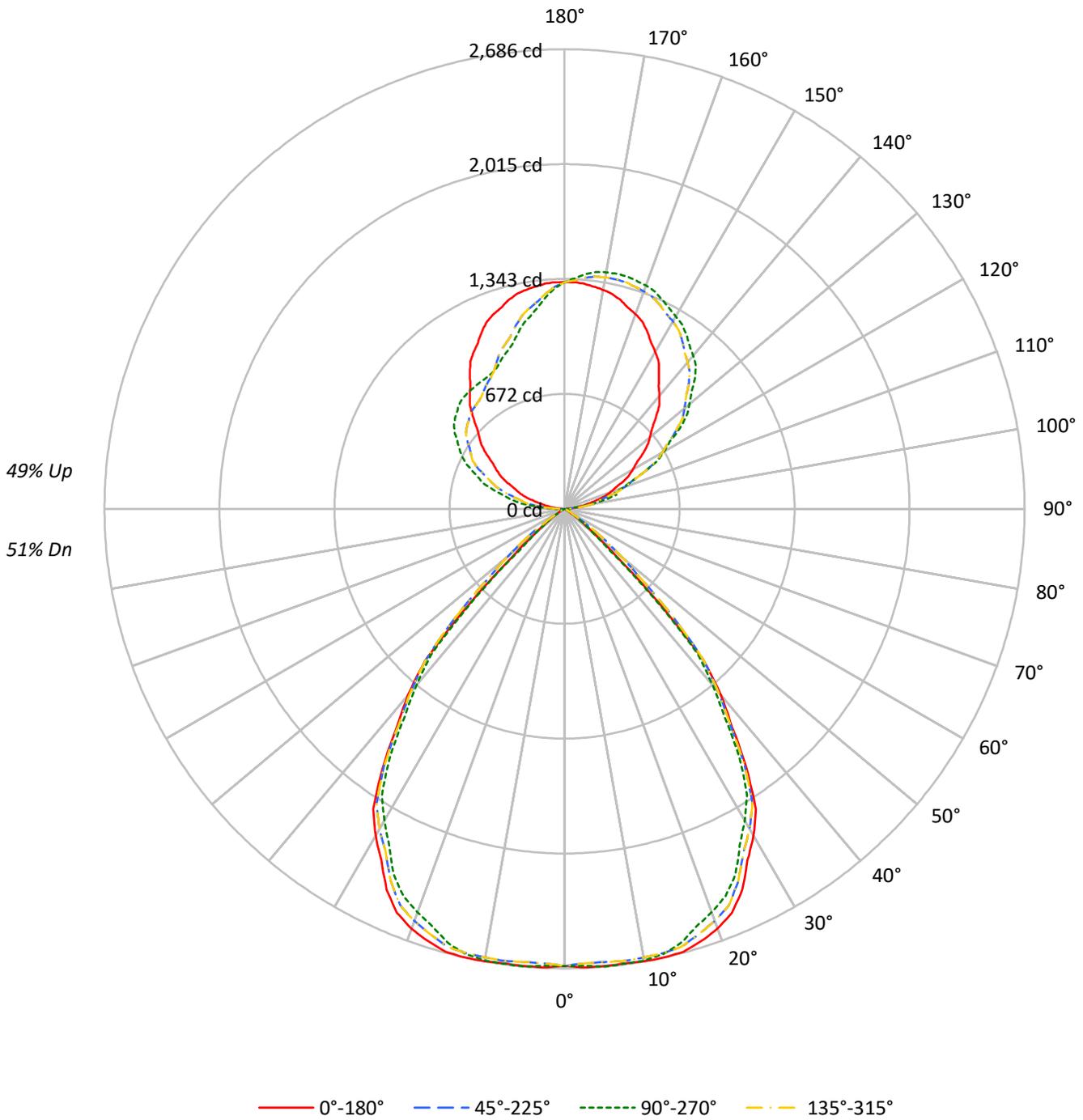
Lumens per Lamp: N/A
Luminaire Lumens: 7864.1 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 71.2
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

TEST NUMBER: P1427538

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

Luminous Intensity Polar Plot





TEST NUMBER: P1427538

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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				
1	100	96	93	90	92	89	87	84	76	75	73	64	63	62	53	53	52	47				
2	93	87	82	77	86	81	76	73	69	66	64	59	57	55	50	48	47	43				
3	86	78	72	67	80	73	68	63	63	59	56	54	52	49	46	44	43	39				
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	40	39	35				
5	74	64	57	52	69	60	54	50	53	48	45	46	43	40	39	37	35	32				
6	69	58	51	46	64	55	49	44	48	44	40	42	39	36	37	34	32	29				
7	64	54	46	42	60	50	44	40	45	40	36	39	36	33	34	31	29	27				
8	60	49	42	37	56	46	40	36	41	36	33	36	33	30	32	29	27	25				
9	56	45	39	34	53	43	37	33	38	33	30	34	30	27	30	27	25	23				
10	53	42	35	31	49	40	34	30	35	31	27	31	28	25	28	25	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43123	43123	43123	43123
5°	43461	43526	43461	43526
10°	44006	43941	44006	43941
15°	44800	43907	44800	43907
20°	44858	43112	44858	43112
25°	43749	42035	43749	42035
30°	41125	39207	41125	39207
35°	36501	35131	36501	35131
40°	29935	28329	29935	28329
45°	17846	16748	17846	16748
50°	5571	5270	5571	5270
55°	2106	2106	2106	2106
60°	129	42	129	42
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: 20895 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	3.2
10°-20°	748.1	9.5
20°-30°	1100.5	14.0
30°-40°	1124.8	14.3
40°-50°	648.0	8.2
50°-60°	111.5	1.4
60°-70°	4.0	0.1
70°-80°	0.0	0.0
80°-90°	7.0	0.1
90°-100°	105.4	1.3
100°-110°	307.3	3.9
110°-120°	501.5	6.4
120°-130°	636.4	8.1
130°-140°	681.0	8.7
140°-150°	635.9	8.1
150°-160°	523.2	6.7
160°-170°	350.9	4.5
170°-180°	124.6	1.6
0°-30°	2104.0	26.8
0°-40°	3228.8	41.1
0°-60°	3988.3	50.7
0°-90°	3999.3	50.9
90°-120°	914.2	11.6
90°-150°	2867.5	36.5
90°-180°	3866.0	49.2
0°-180°	7864.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2682	2686	2682	2686	2682	256
15°	2680	2627	2680	2627	2680	755
25°	2456	2360	2456	2360	2456	1121
35°	1852	1782	1852	1782	1852	1144
45°	782	734	782	734	782	605
55°	75	75	75	75	75	79
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	29	4	58	4	3
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2682.6	2679.3	2676.0	2668.0	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4
5°	2681.6	2678.6	2675.6	2667.3	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8
7.5°	2680.0	2678.0	2675.9	2670.1	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3
10°	2684.2	2683.7	2683.1	2674.0	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2
12.5°	2686.4	2690.1	2693.8	2680.8	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6
15°	2680.2	2690.3	2700.4	2682.0	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5
17.5°	2650.3	2664.6	2678.8	2654.5	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4
20°	2610.8	2627.4	2644.0	2617.4	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7
22.5°	2555.2	2570.4	2585.6	2560.1	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2
25°	2455.8	2465.9	2476.0	2450.0	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7
27.5°	2314.9	2317.8	2320.6	2300.0	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6
30°	2205.9	2205.9	2205.9	2189.9	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1
32.5°	2078.7	2077.3	2075.9	2064.1	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4
35°	1851.9	1858.4	1864.9	1856.8	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3
37.5°	1606.3	1608.8	1611.3	1604.5	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9
40°	1420.3	1420.9	1421.5	1413.2	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4
42.5°	1203.3	1215.3	1227.3	1222.2	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4
45°	781.6	834.5	887.3	906.8	915.1	908.6	887.2	855.9	794.7	733.5	794.7
47.5°	392.8	458.6	524.4	570.0	608.8	597.8	536.8	475.0	410.2	345.5	410.2
50°	221.8	261.0	300.2	361.2	429.5	418.2	327.3	253.7	231.7	209.8	231.7
52.5°	148.0	165.4	182.7	231.9	291.6	287.7	220.1	166.3	153.8	141.4	153.8
55°	74.8	79.6	84.3	106.0	133.3	132.7	104.2	81.9	78.4	74.8	78.4
57.5°	25.4	31.8	38.2	47.8	58.5	58.8	48.7	39.7	33.9	28.1	33.9
60°	4.0	9.9	15.9	23.6	31.9	31.0	20.9	12.0	6.7	1.3	6.7
62.5°	0.8	2.5	4.1	10.4	18.3	18.1	9.9	3.4	1.8	0.3	1.8
65°	0.0	0.0	0.0	0.4	1.0	1.0	0.4	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°	0.8	1.9	3.2	4.3	5.1	5.4	5.4	5.6	5.9	5.9	5.9
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2677.8	2670.2	2659.2	2658.5	2668.0	2676.0	2679.3	2682.6	2679.3	2676.0	2668.0
5°	2688.0	2676.2	2660.2	2657.2	2667.3	2675.6	2678.6	2681.6	2678.6	2675.6	2667.3
7.5°	2688.3	2679.2	2666.0	2663.0	2670.1	2675.9	2678.0	2680.0	2678.0	2675.9	2670.1
10°	2686.2	2676.7	2663.0	2662.1	2674.0	2683.1	2683.7	2684.2	2683.7	2683.1	2674.0
12.5°	2676.0	2669.2	2658.4	2662.2	2680.8	2693.8	2690.1	2686.4	2690.1	2693.8	2680.8
15°	2642.2	2642.8	2641.0	2654.1	2682.0	2700.4	2690.3	2680.2	2690.3	2700.4	2682.0
17.5°	2581.3	2588.9	2595.5	2617.3	2654.5	2678.8	2664.6	2650.3	2664.6	2678.8	2654.5
20°	2528.2	2539.1	2550.3	2576.5	2617.4	2644.0	2627.4	2610.8	2627.4	2644.0	2617.4
22.5°	2467.8	2480.3	2494.4	2521.0	2560.1	2585.6	2570.4	2555.2	2570.4	2585.6	2560.1
25°	2367.9	2376.9	2387.6	2412.0	2450.0	2476.0	2465.9	2455.8	2465.9	2476.0	2450.0
27.5°	2226.0	2237.3	2250.6	2271.5	2300.0	2320.6	2317.8	2314.9	2317.8	2320.6	2300.0
30°	2123.2	2136.4	2150.7	2168.5	2189.9	2205.9	2205.9	2205.9	2205.9	2205.9	2189.9
32.5°	2003.5	2017.8	2033.5	2048.9	2064.1	2075.9	2077.3	2078.7	2077.3	2075.9	2064.1
35°	1800.2	1814.0	1829.4	1843.7	1856.8	1864.9	1858.4	1851.9	1858.4	1864.9	1856.8
37.5°	1550.4	1564.8	1581.4	1594.6	1604.5	1611.3	1608.8	1606.3	1608.8	1611.3	1604.5
40°	1366.7	1378.4	1390.3	1401.9	1413.2	1421.5	1420.9	1420.3	1420.9	1421.5	1413.2
42.5°	1162.1	1177.5	1196.5	1211.4	1222.2	1227.3	1215.3	1203.3	1215.3	1227.3	1222.2
45°	855.9	887.2	908.6	915.1	906.8	887.3	834.5	781.6	834.5	887.3	906.8
47.5°	475.0	536.8	597.8	608.8	570.0	524.4	458.6	392.8	458.6	524.4	570.0
50°	253.7	327.3	418.2	429.5	361.2	300.2	261.0	221.8	261.0	300.2	361.2
52.5°	166.3	220.1	287.7	291.6	231.9	182.7	165.4	148.0	165.4	182.7	231.9
55°	81.9	104.2	132.7	133.3	106.0	84.3	79.6	74.8	79.6	84.3	106.0
57.5°	39.7	48.7	58.8	58.5	47.8	38.2	31.8	25.4	31.8	38.2	47.8
60°	12.0	20.9	31.0	31.9	23.6	15.9	9.9	4.0	9.9	15.9	23.6
62.5°	3.4	9.9	18.1	18.3	10.4	4.1	2.5	0.8	2.5	4.1	10.4
65°	0.0	0.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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°	5.6	5.4	5.4	5.1	4.3	3.2	1.9	0.8	1.9	2.9	4.8
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1427538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4	2677.8	2670.2	2659.2	2658.5
5°	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8	2688.0	2676.2	2660.2	2657.2
7.5°	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3	2688.3	2679.2	2666.0	2663.0
10°	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2	2686.2	2676.7	2663.0	2662.1
12.5°	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6	2676.0	2669.2	2658.4	2662.2
15°	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5	2642.2	2642.8	2641.0	2654.1
17.5°	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4	2581.3	2588.9	2595.5	2617.3
20°	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7	2528.2	2539.1	2550.3	2576.5
22.5°	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2	2467.8	2480.3	2494.4	2521.0
25°	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7	2367.9	2376.9	2387.6	2412.0
27.5°	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6	2226.0	2237.3	2250.6	2271.5
30°	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1	2123.2	2136.4	2150.7	2168.5
32.5°	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4	2003.5	2017.8	2033.5	2048.9
35°	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3	1800.2	1814.0	1829.4	1843.7
37.5°	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9	1550.4	1564.8	1581.4	1594.6
40°	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4	1366.7	1378.4	1390.3	1401.9
42.5°	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4	1162.1	1177.5	1196.5	1211.4
45°	915.1	908.6	887.2	855.9	794.7	733.5	794.7	855.9	887.2	908.6	915.1
47.5°	608.8	597.8	536.8	475.0	410.2	345.5	410.2	475.0	536.8	597.8	608.8
50°	429.5	418.2	327.3	253.7	231.7	209.8	231.7	253.7	327.3	418.2	429.5
52.5°	291.6	287.7	220.1	166.3	153.8	141.4	153.8	166.3	220.1	287.7	291.6
55°	133.3	132.7	104.2	81.9	78.4	74.8	78.4	81.9	104.2	132.7	133.3
57.5°	58.5	58.8	48.7	39.7	33.9	28.1	33.9	39.7	48.7	58.8	58.5
60°	31.9	31.0	20.9	12.0	6.7	1.3	6.7	12.0	20.9	31.0	31.9
62.5°	18.3	18.1	9.9	3.4	1.8	0.3	1.8	3.4	9.9	18.1	18.3
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
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°	6.2	8.0	9.9	11.0	12.0	11.5	12.0	11.0	9.9	8.0	6.2
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1427538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2670.9	2670.9	2670.9	2670.9
2.5°	2668.0	2676.0	2679.3	2682.6
5°	2667.3	2675.6	2678.6	2681.6
7.5°	2670.1	2675.9	2678.0	2680.0
10°	2674.0	2683.1	2683.7	2684.2
12.5°	2680.8	2693.8	2690.1	2686.4
15°	2682.0	2700.4	2690.3	2680.2
17.5°	2654.5	2678.8	2664.6	2650.3
20°	2617.4	2644.0	2627.4	2610.8
22.5°	2560.1	2585.6	2570.4	2555.2
25°	2450.0	2476.0	2465.9	2455.8
27.5°	2300.0	2320.6	2317.8	2314.9
30°	2189.9	2205.9	2205.9	2205.9
32.5°	2064.1	2075.9	2077.3	2078.7
35°	1856.8	1864.9	1858.4	1851.9
37.5°	1604.5	1611.3	1608.8	1606.3
40°	1413.2	1421.5	1420.9	1420.3
42.5°	1222.2	1227.3	1215.3	1203.3
45°	906.8	887.3	834.5	781.6
47.5°	570.0	524.4	458.6	392.8
50°	361.2	300.2	261.0	221.8
52.5°	231.9	182.7	165.4	148.0
55°	106.0	84.3	79.6	74.8
57.5°	47.8	38.2	31.8	25.4
60°	23.6	15.9	9.9	4.0
62.5°	10.4	4.1	2.5	0.8
65°	0.4	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°	4.8	2.9	1.9	0.8
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1427538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427538
 CATALOG NUMBER: SQ2W-BBM-K-100U-100D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.45	1.72	0.00	0.00	0.00	0.68	1.95
	3H	0.00	0.00	0.00	0.18	1.48	0.00	0.00	0.00	0.41	1.71
	4H	0.00	0.00	0.00	0.04	1.35	0.00	0.00	0.00	0.27	1.58
	6H	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.12	1.43
	8H	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.04	1.35
	12H	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	1.28
4H	2H	0.00	0.00	0.00	0.05	1.36	0.00	0.00	0.00	0.28	1.59
	3H	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	1.32
	4H	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00	1.18
	6H	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	1.03
	8H	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.94
	12H	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.85
8H	4H	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.94
	6H	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.80
	8H	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.71
	12H	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.65
12H	4H	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.85
	6H	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.71
	8H	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.65