

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: P1427539

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427539
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

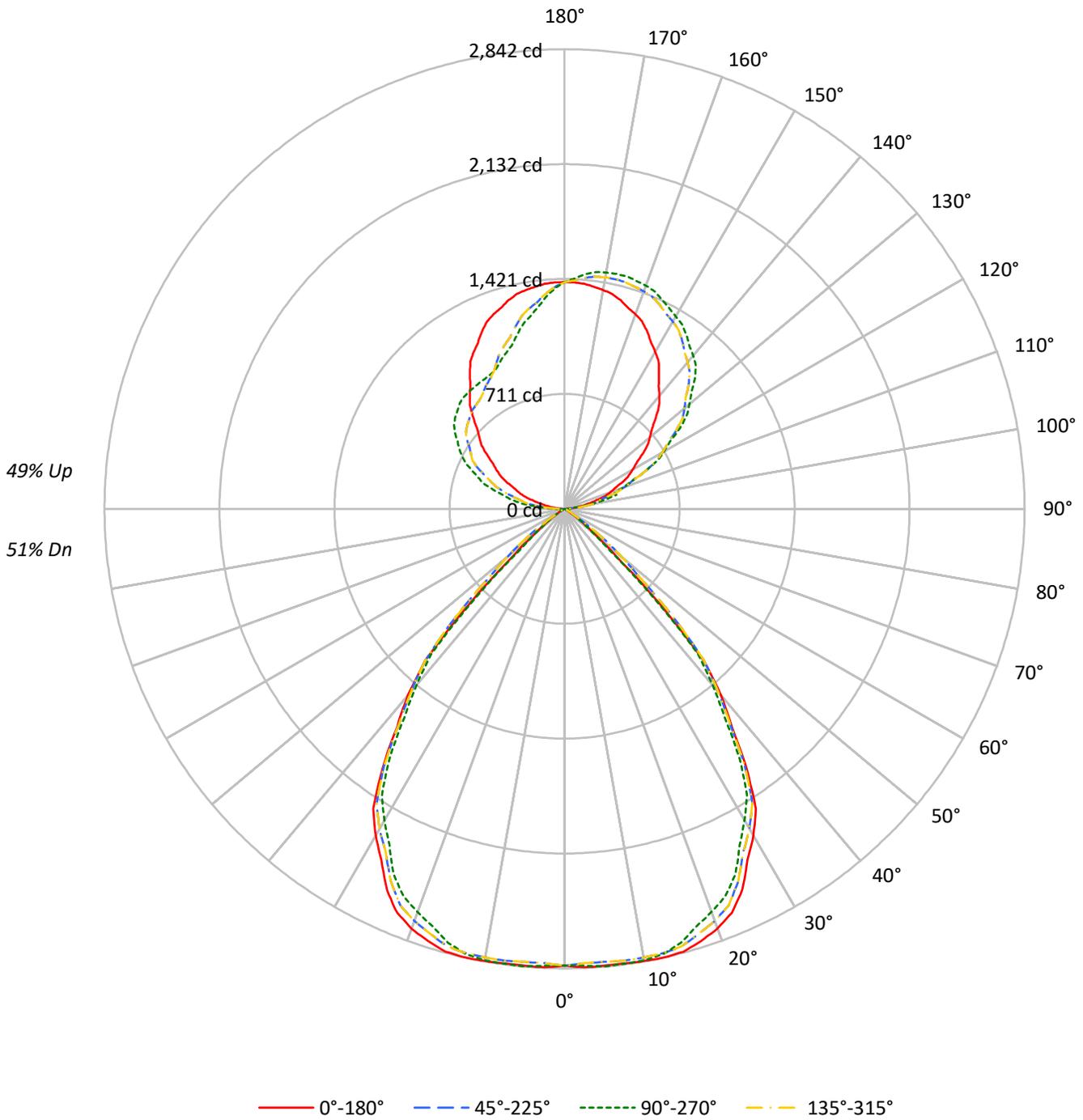
Lumens per Lamp: N/A
Luminaire Lumens: 8318.4 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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: P1427539

CATALOG NUMBER: SQ2W-BBM-K-100U-100D-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	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°	45614	45614	45614	45614
5°	45972	46040	45972	46040
10°	46549	46480	46549	46480
15°	47389	46443	47389	46443
20°	47449	45604	47449	45604
25°	46275	44464	46275	44464
30°	43500	41472	43500	41472
35°	38608	37159	38608	37159
40°	31663	29967	31663	29967
45°	18879	17716	18879	17716
50°	5893	5574	5893	5574
55°	2227	2227	2227	2227
60°	136	45	136	45
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: 22100 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.1	3.2
10°-20°	791.3	9.5
20°-30°	1164.1	14.0
30°-40°	1189.8	14.3
40°-50°	685.4	8.2
50°-60°	117.9	1.4
60°-70°	4.2	0.1
70°-80°	0.0	0.0
80°-90°	7.4	0.1
90°-100°	111.5	1.3
100°-110°	325.1	3.9
110°-120°	530.5	6.4
120°-130°	673.2	8.1
130°-140°	720.3	8.7
140°-150°	672.6	8.1
150°-160°	553.5	6.7
160°-170°	371.2	4.5
170°-180°	131.8	1.6
0°-30°	2225.5	26.8
0°-40°	3415.3	41.1
0°-60°	4218.7	50.7
0°-90°	4230.4	50.9
90°-120°	967.1	11.6
90°-150°	3033.2	36.5
90°-180°	4090.0	49.2
0°-180°	8318.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2825	2825	2825	2825	2825	
5°	2836	2841	2836	2841	2836	271
15°	2835	2778	2835	2778	2835	798
25°	2598	2496	2598	2496	2598	1185
35°	1959	1885	1959	1885	1959	1210
45°	827	776	827	776	827	640
55°	79	79	79	79	79	84
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	31	4	61	4	3
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°	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2
2.5°	2837.6	2834.1	2830.6	2822.2	2812.1	2812.9	2824.4	2832.5	2830.0	2827.4	2830.0
5°	2836.5	2833.3	2830.2	2821.4	2810.7	2813.9	2830.8	2843.2	2842.0	2840.7	2842.0
7.5°	2834.8	2832.7	2830.5	2824.3	2816.8	2820.0	2833.9	2843.6	2840.5	2837.3	2840.5
10°	2839.3	2838.7	2838.1	2828.5	2815.9	2816.9	2831.3	2841.4	2838.2	2835.1	2838.2
12.5°	2841.6	2845.5	2849.4	2835.6	2816.0	2812.0	2823.4	2830.5	2824.9	2819.2	2824.9
15°	2835.1	2845.7	2856.4	2837.0	2807.4	2793.6	2795.5	2794.9	2786.7	2778.5	2786.7
17.5°	2803.4	2818.5	2833.6	2807.8	2768.5	2745.4	2738.5	2730.4	2718.9	2707.3	2718.9
20°	2761.6	2779.2	2796.8	2768.6	2725.3	2697.7	2685.7	2674.3	2664.2	2654.2	2664.2
22.5°	2702.8	2718.9	2734.9	2708.0	2666.6	2638.5	2623.5	2610.3	2602.3	2594.2	2602.3
25°	2597.6	2608.3	2619.0	2591.5	2551.3	2525.6	2514.3	2504.7	2500.3	2495.9	2500.3
27.5°	2448.7	2451.7	2454.7	2432.8	2402.7	2380.6	2366.5	2354.5	2348.9	2343.2	2348.9
30°	2333.3	2333.3	2333.3	2316.4	2293.8	2274.9	2259.9	2245.9	2235.2	2224.5	2235.2
32.5°	2198.8	2197.3	2195.8	2183.4	2167.3	2150.9	2134.4	2119.3	2108.6	2097.9	2108.6
35°	1958.8	1965.7	1972.6	1964.0	1950.2	1935.1	1918.8	1904.2	1894.8	1885.3	1894.8
37.5°	1699.1	1701.7	1704.3	1697.2	1686.8	1672.7	1655.2	1640.0	1632.1	1624.2	1632.1
40°	1502.3	1503.0	1503.6	1494.8	1482.9	1470.6	1458.0	1445.6	1433.7	1421.8	1433.7
42.5°	1272.8	1285.5	1298.2	1292.8	1281.4	1265.6	1245.5	1229.2	1224.3	1219.4	1224.3
45°	826.8	882.7	938.6	959.2	967.9	961.0	938.4	905.3	840.6	775.9	840.6
47.5°	415.5	485.1	554.7	602.9	644.0	632.3	567.9	502.4	433.9	365.5	433.9
50°	234.6	276.1	317.5	382.1	454.3	442.4	346.3	268.4	245.1	221.9	245.1
52.5°	156.6	174.9	193.3	245.3	308.4	304.3	232.8	175.9	162.7	149.5	162.7
55°	79.1	84.2	89.2	112.1	141.0	140.4	110.2	86.7	82.9	79.1	82.9
57.5°	26.9	33.6	40.4	50.6	61.9	62.2	51.5	42.0	35.8	29.7	35.8
60°	4.2	10.5	16.8	25.0	33.8	32.8	22.1	12.7	7.1	1.4	7.1
62.5°	0.8	2.6	4.4	11.0	19.3	19.1	10.5	3.5	1.9	0.3	1.9
65°	0.0	0.0	0.0	0.5	1.1	1.1	0.5	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	2.0	3.4	4.5	5.4	5.7	5.7	5.9	6.2	6.2	6.2
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



TEST NUMBER: P1427539

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

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°	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2
2.5°	2832.5	2824.4	2812.9	2812.1	2822.2	2830.6	2834.1	2837.6	2834.1	2830.6	2822.2
5°	2843.2	2830.8	2813.9	2810.7	2821.4	2830.2	2833.3	2836.5	2833.3	2830.2	2821.4
7.5°	2843.6	2833.9	2820.0	2816.8	2824.3	2830.5	2832.7	2834.8	2832.7	2830.5	2824.3
10°	2841.4	2831.3	2816.9	2815.9	2828.5	2838.1	2838.7	2839.3	2838.7	2838.1	2828.5
12.5°	2830.5	2823.4	2812.0	2816.0	2835.6	2849.4	2845.5	2841.6	2845.5	2849.4	2835.6
15°	2794.9	2795.5	2793.6	2807.4	2837.0	2856.4	2845.7	2835.1	2845.7	2856.4	2837.0
17.5°	2730.4	2738.5	2745.4	2768.5	2807.8	2833.6	2818.5	2803.4	2818.5	2833.6	2807.8
20°	2674.3	2685.7	2697.7	2725.3	2768.6	2796.8	2779.2	2761.6	2779.2	2796.8	2768.6
22.5°	2610.3	2623.5	2638.5	2666.6	2708.0	2734.9	2718.9	2702.8	2718.9	2734.9	2708.0
25°	2504.7	2514.3	2525.6	2551.3	2591.5	2619.0	2608.3	2597.6	2608.3	2619.0	2591.5
27.5°	2354.5	2366.5	2380.6	2402.7	2432.8	2454.7	2451.7	2448.7	2451.7	2454.7	2432.8
30°	2245.9	2259.9	2274.9	2293.8	2316.4	2333.3	2333.3	2333.3	2333.3	2333.3	2316.4
32.5°	2119.3	2134.4	2150.9	2167.3	2183.4	2195.8	2197.3	2198.8	2197.3	2195.8	2183.4
35°	1904.2	1918.8	1935.1	1950.2	1964.0	1972.6	1965.7	1958.8	1965.7	1972.6	1964.0
37.5°	1640.0	1655.2	1672.7	1686.8	1697.2	1704.3	1701.7	1699.1	1701.7	1704.3	1697.2
40°	1445.6	1458.0	1470.6	1482.9	1494.8	1503.6	1503.0	1502.3	1503.0	1503.6	1494.8
42.5°	1229.2	1245.5	1265.6	1281.4	1292.8	1298.2	1285.5	1272.8	1285.5	1298.2	1292.8
45°	905.3	938.4	961.0	967.9	959.2	938.6	882.7	826.8	882.7	938.6	959.2
47.5°	502.4	567.9	632.3	644.0	602.9	554.7	485.1	415.5	485.1	554.7	602.9
50°	268.4	346.3	442.4	454.3	382.1	317.5	276.1	234.6	276.1	317.5	382.1
52.5°	175.9	232.8	304.3	308.4	245.3	193.3	174.9	156.6	174.9	193.3	245.3
55°	86.7	110.2	140.4	141.0	112.1	89.2	84.2	79.1	84.2	89.2	112.1
57.5°	42.0	51.5	62.2	61.9	50.6	40.4	33.6	26.9	33.6	40.4	50.6
60°	12.7	22.1	32.8	33.8	25.0	16.8	10.5	4.2	10.5	16.8	25.0
62.5°	3.5	10.5	19.1	19.3	11.0	4.4	2.6	0.8	2.6	4.4	11.0
65°	0.0	0.5	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.5
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°	5.9	5.7	5.7	5.4	4.5	3.4	2.0	0.8	2.0	3.1	5.1
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: P1427539

CATALOG NUMBER: SQ2W-BBM-K-100U-100D-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: P1427539

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2
2.5°	2812.1	2812.9	2824.4	2832.5	2830.0	2827.4	2830.0	2832.5	2824.4	2812.9	2812.1
5°	2810.7	2813.9	2830.8	2843.2	2842.0	2840.7	2842.0	2843.2	2830.8	2813.9	2810.7
7.5°	2816.8	2820.0	2833.9	2843.6	2840.5	2837.3	2840.5	2843.6	2833.9	2820.0	2816.8
10°	2815.9	2816.9	2831.3	2841.4	2838.2	2835.1	2838.2	2841.4	2831.3	2816.9	2815.9
12.5°	2816.0	2812.0	2823.4	2830.5	2824.9	2819.2	2824.9	2830.5	2823.4	2812.0	2816.0
15°	2807.4	2793.6	2795.5	2794.9	2786.7	2778.5	2786.7	2794.9	2795.5	2793.6	2807.4
17.5°	2768.5	2745.4	2738.5	2730.4	2718.9	2707.3	2718.9	2730.4	2738.5	2745.4	2768.5
20°	2725.3	2697.7	2685.7	2674.3	2664.2	2654.2	2664.2	2674.3	2685.7	2697.7	2725.3
22.5°	2666.6	2638.5	2623.5	2610.3	2602.3	2594.2	2602.3	2610.3	2623.5	2638.5	2666.6
25°	2551.3	2525.6	2514.3	2504.7	2500.3	2495.9	2500.3	2504.7	2514.3	2525.6	2551.3
27.5°	2402.7	2380.6	2366.5	2354.5	2348.9	2343.2	2348.9	2354.5	2366.5	2380.6	2402.7
30°	2293.8	2274.9	2259.9	2245.9	2235.2	2224.5	2235.2	2245.9	2259.9	2274.9	2293.8
32.5°	2167.3	2150.9	2134.4	2119.3	2108.6	2097.9	2108.6	2119.3	2134.4	2150.9	2167.3
35°	1950.2	1935.1	1918.8	1904.2	1894.8	1885.3	1894.8	1904.2	1918.8	1935.1	1950.2
37.5°	1686.8	1672.7	1655.2	1640.0	1632.1	1624.2	1632.1	1640.0	1655.2	1672.7	1686.8
40°	1482.9	1470.6	1458.0	1445.6	1433.7	1421.8	1433.7	1445.6	1458.0	1470.6	1482.9
42.5°	1281.4	1265.6	1245.5	1229.2	1224.3	1219.4	1224.3	1229.2	1245.5	1265.6	1281.4
45°	967.9	961.0	938.4	905.3	840.6	775.9	840.6	905.3	938.4	961.0	967.9
47.5°	644.0	632.3	567.9	502.4	433.9	365.5	433.9	502.4	567.9	632.3	644.0
50°	454.3	442.4	346.3	268.4	245.1	221.9	245.1	268.4	346.3	442.4	454.3
52.5°	308.4	304.3	232.8	175.9	162.7	149.5	162.7	175.9	232.8	304.3	308.4
55°	141.0	140.4	110.2	86.7	82.9	79.1	82.9	86.7	110.2	140.4	141.0
57.5°	61.9	62.2	51.5	42.0	35.8	29.7	35.8	42.0	51.5	62.2	61.9
60°	33.8	32.8	22.1	12.7	7.1	1.4	7.1	12.7	22.1	32.8	33.8
62.5°	19.3	19.1	10.5	3.5	1.9	0.3	1.9	3.5	10.5	19.1	19.3
65°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.5	1.1	1.1	1.1
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°	6.5	8.5	10.5	11.6	12.7	12.2	12.7	11.6	10.5	8.5	6.5
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	524.9	495.2	465.5	465.5



TEST NUMBER: P1427539

CATALOG NUMBER: SQ2W-BBM-K-100U-100D-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: P1427539

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2825.2	2825.2	2825.2	2825.2
2.5°	2822.2	2830.6	2834.1	2837.6
5°	2821.4	2830.2	2833.3	2836.5
7.5°	2824.3	2830.5	2832.7	2834.8
10°	2828.5	2838.1	2838.7	2839.3
12.5°	2835.6	2849.4	2845.5	2841.6
15°	2837.0	2856.4	2845.7	2835.1
17.5°	2807.8	2833.6	2818.5	2803.4
20°	2768.6	2796.8	2779.2	2761.6
22.5°	2708.0	2734.9	2718.9	2702.8
25°	2591.5	2619.0	2608.3	2597.6
27.5°	2432.8	2454.7	2451.7	2448.7
30°	2316.4	2333.3	2333.3	2333.3
32.5°	2183.4	2195.8	2197.3	2198.8
35°	1964.0	1972.6	1965.7	1958.8
37.5°	1697.2	1704.3	1701.7	1699.1
40°	1494.8	1503.6	1503.0	1502.3
42.5°	1292.8	1298.2	1285.5	1272.8
45°	959.2	938.6	882.7	826.8
47.5°	602.9	554.7	485.1	415.5
50°	382.1	317.5	276.1	234.6
52.5°	245.3	193.3	174.9	156.6
55°	112.1	89.2	84.2	79.1
57.5°	50.6	40.4	33.6	26.9
60°	25.0	16.8	10.5	4.2
62.5°	11.0	4.4	2.6	0.8
65°	0.5	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°	5.1	3.1	2.0	0.8
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: P1427539

CATALOG NUMBER: SQ2W-BBM-K-100U-100D-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: P1427539

CATALOG NUMBER: SQ2W-BBM-K-100U-100D-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	0.00	0.00	0.00	0.64	1.91	0.00	0.00	0.18	0.87	2.14
	3H	0.00	0.00	0.00	0.38	1.67	0.00	0.00	0.00	0.61	1.90
	4H	0.00	0.00	0.00	0.24	1.54	0.00	0.00	0.00	0.47	1.77
	6H	0.00	0.00	0.00	0.08	1.40	0.00	0.00	0.00	0.31	1.63
	8H	0.00	0.00	0.00	0.01	1.32	0.00	0.00	0.00	0.24	1.55
	12H	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.14	1.48
4H	2H	0.00	0.00	0.00	0.25	1.55	0.00	0.00	0.00	0.48	1.78
	3H	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.20	1.51
	4H	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.03	1.37
	6H	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	1.22
	8H	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	1.13
	12H	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	1.05
8H	4H	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	1.13
	6H	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.99
	8H	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.90
	12H	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.84
12H	4H	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	1.05
	6H	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.90
	8H	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.84