

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: P1427533

Luminaire Tested: SQ2W-BBM-K-100U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427533
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-050D-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 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

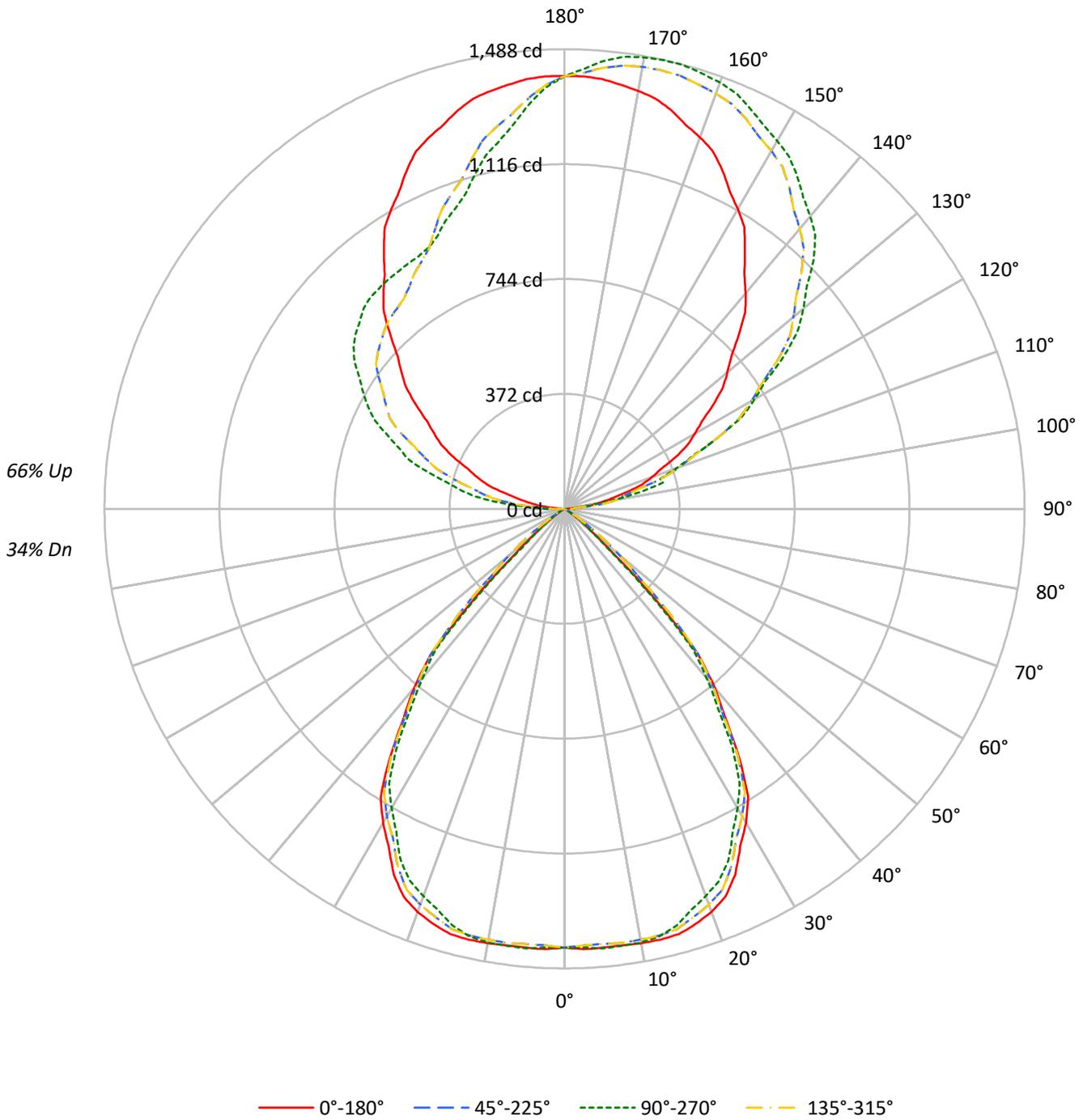
Lumens per Lamp: N/A
Luminaire Lumens: 6219.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 51.2
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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Luminous Intensity Polar Plot





TEST NUMBER: P1427533

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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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34				34
1	96	92	89	86	86	83	81	78	67	65	64	52	51	50	39	38	38				31	
2	88	82	77	72	80	74	70	66	61	58	55	48	46	44	36	35	34				29	
3	81	73	67	62	74	67	61	57	55	51	48	44	41	39	33	32	31				26	
4	75	66	59	54	68	60	54	50	50	45	42	40	37	35	31	29	28				24	
5	69	59	52	47	63	54	48	44	45	41	37	36	33	31	28	27	25				22	
6	64	54	46	41	58	49	43	39	41	37	33	33	30	28	26	24	23				20	
7	60	49	42	37	54	45	39	34	38	33	30	31	28	25	24	22	21				18	
8	56	45	38	33	51	41	35	31	35	30	27	28	25	23	23	21	19				17	
9	52	41	34	30	47	38	32	28	32	27	24	26	23	21	21	19	18				15	
10	49	38	31	27	44	35	29	25	30	25	22	24	21	19	20	18	16				14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22936	22936	22936	22936
5°	23116	23152	23116	23152
10°	23407	23372	23407	23372
15°	23829	23354	23829	23354
20°	23860	22931	23860	22931
25°	23269	22357	23269	22357
30°	21874	20854	21874	20854
35°	19414	18685	19414	18685
40°	15921	15068	15921	15068
45°	9492	8910	9492	8910
50°	2964	2803	2964	2803
55°	1120	1120	1120	1120
60°	68	23	68	23
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: 11113 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	2.2
10°-20°	397.9	6.4
20°-30°	585.4	9.4
30°-40°	598.3	9.6
40°-50°	344.7	5.5
50°-60°	59.3	1.0
60°-70°	2.1	0.0
70°-80°	0.0	0.0
80°-90°	7.4	0.1
90°-100°	111.5	1.8
100°-110°	325.1	5.2
110°-120°	530.5	8.5
120°-130°	673.2	10.8
130°-140°	720.3	11.6
140°-150°	672.6	10.8
150°-160°	553.5	8.9
160°-170°	371.2	6.0
170°-180°	131.8	2.1
0°-30°	1119.1	18.0
0°-40°	1717.4	27.6
0°-60°	2121.4	34.1
0°-90°	2130.9	34.3
90°-120°	967.1	15.6
90°-150°	3033.2	48.8
90°-180°	4090.0	65.8
0°-180°	6219.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1421	1421	1421	1421	1421	
5°	1426	1428	1426	1428	1426	136
15°	1426	1397	1426	1397	1426	401
25°	1306	1255	1306	1255	1306	596
35°	985	948	985	948	985	608
45°	416	390	416	390	416	322
55°	40	40	40	40	40	42
65°	0	0	0	0	0	0
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°	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6
2.5°	1426.9	1425.1	1423.4	1419.1	1414.1	1414.4	1420.3	1424.3	1423.0	1421.8	1423.0
5°	1426.3	1424.7	1423.2	1418.7	1413.4	1414.9	1423.5	1429.7	1429.1	1428.5	1429.1
7.5°	1425.5	1424.4	1423.3	1420.2	1416.4	1418.0	1425.0	1429.9	1428.3	1426.7	1428.3
10°	1427.7	1427.4	1427.1	1422.3	1416.0	1416.4	1423.7	1428.8	1427.2	1425.6	1427.2
12.5°	1428.9	1430.8	1432.8	1425.9	1416.0	1414.0	1419.7	1423.3	1420.5	1417.6	1420.5
15°	1425.6	1431.0	1436.3	1426.6	1411.7	1404.8	1405.7	1405.4	1401.3	1397.2	1401.3
17.5°	1409.7	1417.3	1424.9	1411.9	1392.1	1380.5	1377.0	1373.0	1367.2	1361.4	1367.2
20°	1388.7	1397.5	1406.3	1392.2	1370.4	1356.5	1350.5	1344.8	1339.7	1334.6	1339.7
22.5°	1359.1	1367.2	1375.3	1361.7	1340.9	1326.8	1319.2	1312.6	1308.6	1304.5	1308.6
25°	1306.2	1311.6	1317.0	1303.1	1282.9	1270.0	1264.3	1259.5	1257.3	1255.0	1257.3
27.5°	1231.3	1232.8	1234.3	1223.4	1208.2	1197.1	1190.0	1184.0	1181.1	1178.3	1181.1
30°	1173.3	1173.3	1173.3	1164.8	1153.4	1143.9	1136.4	1129.3	1124.0	1118.6	1124.0
32.5°	1105.7	1104.9	1104.1	1097.9	1089.8	1081.6	1073.3	1065.7	1060.3	1054.9	1060.3
35°	985.0	988.5	991.9	987.6	980.6	973.1	964.9	957.5	952.8	948.0	952.8
37.5°	854.4	855.7	857.0	853.4	848.2	841.1	832.3	824.7	820.7	816.7	820.7
40°	755.4	755.8	756.1	751.7	745.7	739.5	733.2	726.9	720.9	714.9	720.9
42.5°	640.0	646.4	652.8	650.1	644.3	636.4	626.3	618.1	615.6	613.2	615.6
45°	415.7	443.9	472.0	482.3	486.7	483.3	471.9	455.2	422.7	390.2	422.7
47.5°	208.9	243.9	278.9	303.2	323.8	318.0	285.5	252.6	218.2	183.8	218.2
50°	118.0	138.8	159.7	192.1	228.4	222.4	174.1	134.9	123.3	111.6	123.3
52.5°	78.7	88.0	97.2	123.3	155.1	153.0	117.1	88.5	81.8	75.2	81.8
55°	39.8	42.3	44.9	56.4	70.9	70.6	55.4	43.6	41.7	39.8	41.7
57.5°	13.5	16.9	20.3	25.4	31.1	31.3	25.9	21.1	18.0	14.9	18.0
60°	2.1	5.3	8.4	12.6	17.0	16.5	11.1	6.4	3.6	0.7	3.6
62.5°	0.4	1.3	2.2	5.5	9.7	9.6	5.3	1.8	1.0	0.1	1.0
65°	0.0	0.0	0.0	0.2	0.6	0.6	0.2	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

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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°	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6
2.5°	1424.3	1420.3	1414.4	1414.1	1419.1	1423.4	1425.1	1426.9	1425.1	1423.4	1419.1
5°	1429.7	1423.5	1414.9	1413.4	1418.7	1423.2	1424.7	1426.3	1424.7	1423.2	1418.7
7.5°	1429.9	1425.0	1418.0	1416.4	1420.2	1423.3	1424.4	1425.5	1424.4	1423.3	1420.2
10°	1428.8	1423.7	1416.4	1416.0	1422.3	1427.1	1427.4	1427.7	1427.4	1427.1	1422.3
12.5°	1423.3	1419.7	1414.0	1416.0	1425.9	1432.8	1430.8	1428.9	1430.8	1432.8	1425.9
15°	1405.4	1405.7	1404.8	1411.7	1426.6	1436.3	1431.0	1425.6	1431.0	1436.3	1426.6
17.5°	1373.0	1377.0	1380.5	1392.1	1411.9	1424.9	1417.3	1409.7	1417.3	1424.9	1411.9
20°	1344.8	1350.5	1356.5	1370.4	1392.2	1406.3	1397.5	1388.7	1397.5	1406.3	1392.2
22.5°	1312.6	1319.2	1326.8	1340.9	1361.7	1375.3	1367.2	1359.1	1367.2	1375.3	1361.7
25°	1259.5	1264.3	1270.0	1282.9	1303.1	1317.0	1311.6	1306.2	1311.6	1317.0	1303.1
27.5°	1184.0	1190.0	1197.1	1208.2	1223.4	1234.3	1232.8	1231.3	1232.8	1234.3	1223.4
30°	1129.3	1136.4	1143.9	1153.4	1164.8	1173.3	1173.3	1173.3	1173.3	1173.3	1164.8
32.5°	1065.7	1073.3	1081.6	1089.8	1097.9	1104.1	1104.9	1105.7	1104.9	1104.1	1097.9
35°	957.5	964.9	973.1	980.6	987.6	991.9	988.5	985.0	988.5	991.9	987.6
37.5°	824.7	832.3	841.1	848.2	853.4	857.0	855.7	854.4	855.7	857.0	853.4
40°	726.9	733.2	739.5	745.7	751.7	756.1	755.8	755.4	755.8	756.1	751.7
42.5°	618.1	626.3	636.4	644.3	650.1	652.8	646.4	640.0	646.4	652.8	650.1
45°	455.2	471.9	483.3	486.7	482.3	472.0	443.9	415.7	443.9	472.0	482.3
47.5°	252.6	285.5	318.0	323.8	303.2	278.9	243.9	208.9	243.9	278.9	303.2
50°	134.9	174.1	222.4	228.4	192.1	159.7	138.8	118.0	138.8	159.7	192.1
52.5°	88.5	117.1	153.0	155.1	123.3	97.2	88.0	78.7	88.0	97.2	123.3
55°	43.6	55.4	70.6	70.9	56.4	44.9	42.3	39.8	42.3	44.9	56.4
57.5°	21.1	25.9	31.3	31.1	25.4	20.3	16.9	13.5	16.9	20.3	25.4
60°	6.4	11.1	16.5	17.0	12.6	8.4	5.3	2.1	5.3	8.4	12.6
62.5°	1.8	5.3	9.6	9.7	5.5	2.2	1.3	0.4	1.3	2.2	5.5
65°	0.0	0.2	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.2
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: P1427533

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-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: P1427533

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6	1420.6
2.5°	1414.1	1414.4	1420.3	1424.3	1423.0	1421.8	1423.0	1424.3	1420.3	1414.4	1414.1
5°	1413.4	1414.9	1423.5	1429.7	1429.1	1428.5	1429.1	1429.7	1423.5	1414.9	1413.4
7.5°	1416.4	1418.0	1425.0	1429.9	1428.3	1426.7	1428.3	1429.9	1425.0	1418.0	1416.4
10°	1416.0	1416.4	1423.7	1428.8	1427.2	1425.6	1427.2	1428.8	1423.7	1416.4	1416.0
12.5°	1416.0	1414.0	1419.7	1423.3	1420.5	1417.6	1420.5	1423.3	1419.7	1414.0	1416.0
15°	1411.7	1404.8	1405.7	1405.4	1401.3	1397.2	1401.3	1405.4	1405.7	1404.8	1411.7
17.5°	1392.1	1380.5	1377.0	1373.0	1367.2	1361.4	1367.2	1373.0	1377.0	1380.5	1392.1
20°	1370.4	1356.5	1350.5	1344.8	1339.7	1334.6	1339.7	1344.8	1350.5	1356.5	1370.4
22.5°	1340.9	1326.8	1319.2	1312.6	1308.6	1304.5	1308.6	1312.6	1319.2	1326.8	1340.9
25°	1282.9	1270.0	1264.3	1259.5	1257.3	1255.0	1257.3	1259.5	1264.3	1270.0	1282.9
27.5°	1208.2	1197.1	1190.0	1184.0	1181.1	1178.3	1181.1	1184.0	1190.0	1197.1	1208.2
30°	1153.4	1143.9	1136.4	1129.3	1124.0	1118.6	1124.0	1129.3	1136.4	1143.9	1153.4
32.5°	1089.8	1081.6	1073.3	1065.7	1060.3	1054.9	1060.3	1065.7	1073.3	1081.6	1089.8
35°	980.6	973.1	964.9	957.5	952.8	948.0	952.8	957.5	964.9	973.1	980.6
37.5°	848.2	841.1	832.3	824.7	820.7	816.7	820.7	824.7	832.3	841.1	848.2
40°	745.7	739.5	733.2	726.9	720.9	714.9	720.9	726.9	733.2	739.5	745.7
42.5°	644.3	636.4	626.3	618.1	615.6	613.2	615.6	618.1	626.3	636.4	644.3
45°	486.7	483.3	471.9	455.2	422.7	390.2	422.7	455.2	471.9	483.3	486.7
47.5°	323.8	318.0	285.5	252.6	218.2	183.8	218.2	252.6	285.5	318.0	323.8
50°	228.4	222.4	174.1	134.9	123.3	111.6	123.3	134.9	174.1	222.4	228.4
52.5°	155.1	153.0	117.1	88.5	81.8	75.2	81.8	88.5	117.1	153.0	155.1
55°	70.9	70.6	55.4	43.6	41.7	39.8	41.7	43.6	55.4	70.6	70.9
57.5°	31.1	31.3	25.9	21.1	18.0	14.9	18.0	21.1	25.9	31.3	31.1
60°	17.0	16.5	11.1	6.4	3.6	0.7	3.6	6.4	11.1	16.5	17.0
62.5°	9.7	9.6	5.3	1.8	1.0	0.1	1.0	1.8	5.3	9.6	9.7
65°	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6
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	546.1	524.9	495.2	465.5



TEST NUMBER: P1427533

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-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: P1427533

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1420.6	1420.6	1420.6	1420.6
2.5°	1419.1	1423.4	1425.1	1426.9
5°	1418.7	1423.2	1424.7	1426.3
7.5°	1420.2	1423.3	1424.4	1425.5
10°	1422.3	1427.1	1427.4	1427.7
12.5°	1425.9	1432.8	1430.8	1428.9
15°	1426.6	1436.3	1431.0	1425.6
17.5°	1411.9	1424.9	1417.3	1409.7
20°	1392.2	1406.3	1397.5	1388.7
22.5°	1361.7	1375.3	1367.2	1359.1
25°	1303.1	1317.0	1311.6	1306.2
27.5°	1223.4	1234.3	1232.8	1231.3
30°	1164.8	1173.3	1173.3	1173.3
32.5°	1097.9	1104.1	1104.9	1105.7
35°	987.6	991.9	988.5	985.0
37.5°	853.4	857.0	855.7	854.4
40°	751.7	756.1	755.8	755.4
42.5°	650.1	652.8	646.4	640.0
45°	482.3	472.0	443.9	415.7
47.5°	303.2	278.9	243.9	208.9
50°	192.1	159.7	138.8	118.0
52.5°	123.3	97.2	88.0	78.7
55°	56.4	44.9	42.3	39.8
57.5°	25.4	20.3	16.9	13.5
60°	12.6	8.4	5.3	2.1
62.5°	5.5	2.2	1.3	0.4
65°	0.2	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: P1427533

CATALOG NUMBER: SQ2W-BBM-K-100U-050D-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: P1427533
 CATALOG NUMBER: SQ2W-BBM-K-100U-050D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00