

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: P1427621

Luminaire Tested: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427621
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

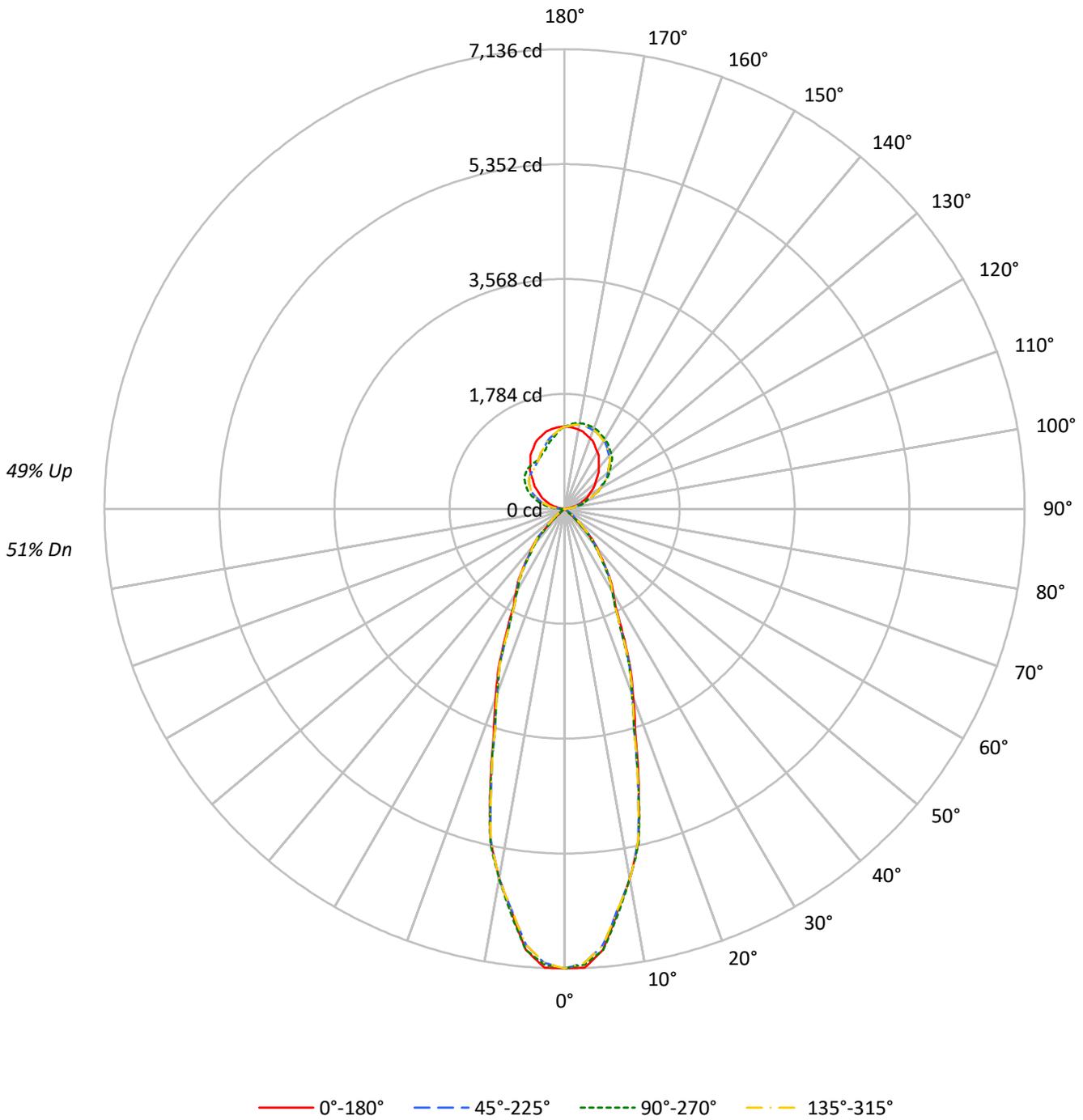
Lumens per Lamp: N/A
Luminaire Lumens: 7581.4 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-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	97	94	91	93	90	88	85	77	75	74	65	64	63	54	54	53	48
2	94	88	83	80	87	82	78	75	71	68	66	61	59	57	51	50	49	45
3	88	80	75	70	82	75	70	67	66	62	59	57	54	52	49	47	46	42
4	82	74	68	63	77	69	64	60	61	57	54	53	50	48	46	44	43	39
5	77	68	61	57	72	64	58	54	57	52	49	50	47	44	43	41	40	37
6	72	63	56	52	68	59	54	49	53	49	45	47	44	41	41	39	37	35
7	68	58	52	47	64	55	50	45	49	45	42	44	41	38	39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39	42	38	36	37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36	39	36	34	35	33	31	29
10	58	48	42	38	54	45	40	36	41	37	34	37	34	32	34	31	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	115219	115219	115219	115219
5°	111366	111430	111366	111430
10°	95576	95576	95576	95576
15°	74185	74013	74185	74013
20°	53540	52391	53540	52391
25°	37963	36520	37963	36520
30°	28245	27260	28245	27260
35°	21977	20964	21977	20964
40°	16263	14855	16263	14855
45°	8311	6695	8311	6695
50°	1808	1324	1808	1324
55°	507	397	507	397
60°	84	42	84	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: 10138 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.1	8.1
10°-20°	1216.6	16.0
20°-30°	981.4	12.9
30°-40°	681.8	9.0
40°-50°	314.9	4.2
50°-60°	44.1	0.6
60°-70°	1.5	0.0
70°-80°	0.0	0.0
80°-90°	6.8	0.1
90°-100°	101.4	1.3
100°-110°	295.6	3.9
110°-120°	482.4	6.4
120°-130°	612.1	8.1
130°-140°	655.0	8.6
140°-150°	611.6	8.1
150°-160°	503.3	6.6
160°-170°	337.5	4.5
170°-180°	119.8	1.6
0°-30°	2815.2	37.1
0°-40°	3497.0	46.1
0°-60°	3856.0	50.9
0°-90°	3864.2	51.0
90°-120°	879.3	11.6
90°-150°	2758.0	36.4
90°-180°	3719.0	49.1
0°-180°	7581.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7136	7136	7136	7136	7136	
5°	6871	6875	6871	6875	6871	618
15°	4438	4428	4438	4428	4438	1222
25°	2131	2050	2131	2050	2131	998
35°	1115	1064	1115	1064	1115	698
45°	364	293	364	293	364	294
55°	18	14	18	14	18	23
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	28	4	55	4	3
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3
2.5°	7132.2	7120.3	7108.4	7084.9	7057.5	7056.3	7081.5	7098.4	7090.6	7082.8	7090.6
5°	6871.4	6854.8	6838.2	6818.2	6797.1	6805.1	6842.3	6870.7	6873.0	6875.3	6873.0
7.5°	6295.8	6301.1	6306.5	6292.8	6272.6	6283.2	6324.3	6354.1	6349.6	6345.1	6349.6
10°	5829.7	5833.7	5837.7	5837.0	5834.7	5840.4	5854.1	5860.6	5845.1	5829.7	5845.1
12.5°	5289.6	5305.4	5321.3	5303.0	5273.3	5268.7	5289.3	5306.4	5312.9	5319.4	5312.9
15°	4438.2	4463.9	4489.6	4453.2	4396.0	4381.2	4408.6	4429.0	4428.5	4427.9	4428.5
17.5°	3639.8	3637.2	3634.5	3612.0	3582.9	3570.9	3576.0	3579.4	3577.7	3576.0	3577.7
20°	3116.1	3112.1	3108.1	3088.7	3064.1	3049.8	3045.8	3043.5	3046.4	3049.2	3046.4
22.5°	2667.5	2660.8	2654.0	2645.9	2637.4	2628.1	2618.2	2611.6	2615.4	2619.2	2615.4
25°	2131.0	2109.3	2087.6	2070.1	2054.1	2053.0	2066.7	2074.0	2062.0	2050.0	2062.0
27.5°	1710.5	1710.1	1709.8	1699.5	1685.9	1679.8	1681.3	1683.0	1685.3	1687.6	1685.3
30°	1515.0	1511.0	1507.0	1496.1	1483.0	1476.7	1477.3	1476.0	1469.1	1462.2	1469.1
32.5°	1341.1	1344.0	1346.8	1335.3	1318.9	1309.2	1306.1	1302.1	1295.2	1288.4	1295.2
35°	1115.0	1115.0	1115.0	1105.6	1093.0	1082.4	1073.9	1067.0	1065.3	1063.6	1065.3
37.5°	905.4	904.4	903.3	896.4	887.5	876.9	864.8	854.6	850.2	845.7	850.2
40°	771.6	768.8	765.9	760.9	755.2	744.9	730.1	717.3	711.0	704.8	711.0
42.5°	619.4	627.0	634.7	632.3	626.6	616.3	601.4	587.9	578.4	569.0	578.4
45°	364.0	396.0	428.0	439.4	444.0	437.7	420.5	395.0	344.1	293.2	344.1
47.5°	156.4	191.6	226.8	256.4	284.0	275.3	230.1	185.7	143.4	101.1	143.4
50°	72.0	99.5	126.9	163.8	203.8	195.5	138.9	91.6	72.2	52.7	72.2
52.5°	42.2	55.9	69.6	104.1	145.5	141.8	92.9	53.8	43.5	33.2	43.5
55°	18.0	22.6	27.2	45.9	69.3	68.2	42.4	22.1	18.1	14.1	18.1
57.5°	6.7	9.2	11.7	18.4	26.5	26.0	16.9	9.5	7.5	5.4	7.5
60°	2.6	3.7	4.9	8.1	12.1	11.9	7.3	3.6	2.4	1.3	2.4
62.5°	0.5	1.2	1.9	3.7	5.9	5.8	3.5	1.6	0.9	0.3	0.9
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	1.8	3.1	4.1	4.9	5.1	5.1	5.4	5.7	5.7	5.7
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3
2.5°	7098.4	7081.5	7056.3	7057.5	7084.9	7108.4	7120.3	7132.2	7120.3	7108.4	7084.9
5°	6870.7	6842.3	6805.1	6797.1	6818.2	6838.2	6854.8	6871.4	6854.8	6838.2	6818.2
7.5°	6354.1	6324.3	6283.2	6272.6	6292.8	6306.5	6301.1	6295.8	6301.1	6306.5	6292.8
10°	5860.6	5854.1	5840.4	5834.7	5837.0	5837.7	5833.7	5829.7	5833.7	5837.7	5837.0
12.5°	5306.4	5289.3	5268.7	5273.3	5303.0	5321.3	5305.4	5289.6	5305.4	5321.3	5303.0
15°	4429.0	4408.6	4381.2	4396.0	4453.2	4489.6	4463.9	4438.2	4463.9	4489.6	4453.2
17.5°	3579.4	3576.0	3570.9	3582.9	3612.0	3634.5	3637.2	3639.8	3637.2	3634.5	3612.0
20°	3043.5	3045.8	3049.8	3064.1	3088.7	3108.1	3112.1	3116.1	3112.1	3108.1	3088.7
22.5°	2611.6	2618.2	2628.1	2637.4	2645.9	2654.0	2660.8	2667.5	2660.8	2654.0	2645.9
25°	2074.0	2066.7	2053.0	2054.1	2070.1	2087.6	2109.3	2131.0	2109.3	2087.6	2070.1
27.5°	1683.0	1681.3	1679.8	1685.9	1699.5	1709.8	1710.1	1710.5	1710.1	1709.8	1699.5
30°	1476.0	1477.3	1476.7	1483.0	1496.1	1507.0	1511.0	1515.0	1511.0	1507.0	1496.1
32.5°	1302.1	1306.1	1309.2	1318.9	1335.3	1346.8	1344.0	1341.1	1344.0	1346.8	1335.3
35°	1067.0	1073.9	1082.4	1093.0	1105.6	1115.0	1115.0	1115.0	1115.0	1115.0	1105.6
37.5°	854.6	864.8	876.9	887.5	896.4	903.3	904.4	905.4	904.4	903.3	896.4
40°	717.3	730.1	744.9	755.2	760.9	765.9	768.8	771.6	768.8	765.9	760.9
42.5°	587.9	601.4	616.3	626.6	632.3	634.7	627.0	619.4	627.0	634.7	632.3
45°	395.0	420.5	437.7	444.0	439.4	428.0	396.0	364.0	396.0	428.0	439.4
47.5°	185.7	230.1	275.3	284.0	256.4	226.8	191.6	156.4	191.6	226.8	256.4
50°	91.6	138.9	195.5	203.8	163.8	126.9	99.5	72.0	99.5	126.9	163.8
52.5°	53.8	92.9	141.8	145.5	104.1	69.6	55.9	42.2	55.9	69.6	104.1
55°	22.1	42.4	68.2	69.3	45.9	27.2	22.6	18.0	22.6	27.2	45.9
57.5°	9.5	16.9	26.0	26.5	18.4	11.7	9.2	6.7	9.2	11.7	18.4
60°	3.6	7.3	11.9	12.1	8.1	4.9	3.7	2.6	3.7	4.9	8.1
62.5°	1.6	3.5	5.8	5.9	3.7	1.9	1.2	0.5	1.2	1.9	3.7
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°	5.4	5.1	5.1	4.9	4.1	3.1	1.8	0.8	1.8	2.8	4.6
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1427621

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1427621

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3
2.5°	7057.5	7056.3	7081.5	7098.4	7090.6	7082.8	7090.6	7098.4	7081.5	7056.3	7057.5
5°	6797.1	6805.1	6842.3	6870.7	6873.0	6875.3	6873.0	6870.7	6842.3	6805.1	6797.1
7.5°	6272.6	6283.2	6324.3	6354.1	6349.6	6345.1	6349.6	6354.1	6324.3	6283.2	6272.6
10°	5834.7	5840.4	5854.1	5860.6	5845.1	5829.7	5845.1	5860.6	5854.1	5840.4	5834.7
12.5°	5273.3	5268.7	5289.3	5306.4	5312.9	5319.4	5312.9	5306.4	5289.3	5268.7	5273.3
15°	4396.0	4381.2	4408.6	4429.0	4428.5	4427.9	4428.5	4429.0	4408.6	4381.2	4396.0
17.5°	3582.9	3570.9	3576.0	3579.4	3577.7	3576.0	3577.7	3579.4	3576.0	3570.9	3582.9
20°	3064.1	3049.8	3045.8	3043.5	3046.4	3049.2	3046.4	3043.5	3045.8	3049.8	3064.1
22.5°	2637.4	2628.1	2618.2	2611.6	2615.4	2619.2	2615.4	2611.6	2618.2	2628.1	2637.4
25°	2054.1	2053.0	2066.7	2074.0	2062.0	2050.0	2062.0	2074.0	2066.7	2053.0	2054.1
27.5°	1685.9	1679.8	1681.3	1683.0	1685.3	1687.6	1685.3	1683.0	1681.3	1679.8	1685.9
30°	1483.0	1476.7	1477.3	1476.0	1469.1	1462.2	1469.1	1476.0	1477.3	1476.7	1483.0
32.5°	1318.9	1309.2	1306.1	1302.1	1295.2	1288.4	1295.2	1302.1	1306.1	1309.2	1318.9
35°	1093.0	1082.4	1073.9	1067.0	1065.3	1063.6	1065.3	1067.0	1073.9	1082.4	1093.0
37.5°	887.5	876.9	864.8	854.6	850.2	845.7	850.2	854.6	864.8	876.9	887.5
40°	755.2	744.9	730.1	717.3	711.0	704.8	711.0	717.3	730.1	744.9	755.2
42.5°	626.6	616.3	601.4	587.9	578.4	569.0	578.4	587.9	601.4	616.3	626.6
45°	444.0	437.7	420.5	395.0	344.1	293.2	344.1	395.0	420.5	437.7	444.0
47.5°	284.0	275.3	230.1	185.7	143.4	101.1	143.4	185.7	230.1	275.3	284.0
50°	203.8	195.5	138.9	91.6	72.2	52.7	72.2	91.6	138.9	195.5	203.8
52.5°	145.5	141.8	92.9	53.8	43.5	33.2	43.5	53.8	92.9	141.8	145.5
55°	69.3	68.2	42.4	22.1	18.1	14.1	18.1	22.1	42.4	68.2	69.3
57.5°	26.5	26.0	16.9	9.5	7.5	5.4	7.5	9.5	16.9	26.0	26.5
60°	12.1	11.9	7.3	3.6	2.4	1.3	2.4	3.6	7.3	11.9	12.1
62.5°	5.9	5.8	3.5	1.6	0.9	0.3	0.9	1.6	3.5	5.8	5.9
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	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°	5.9	7.7	9.5	10.5	11.6	11.1	11.6	10.5	9.5	7.7	5.9
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1427621

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1427621

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7136.3	7136.3	7136.3	7136.3
2.5°	7084.9	7108.4	7120.3	7132.2
5°	6818.2	6838.2	6854.8	6871.4
7.5°	6292.8	6306.5	6301.1	6295.8
10°	5837.0	5837.7	5833.7	5829.7
12.5°	5303.0	5321.3	5305.4	5289.6
15°	4453.2	4489.6	4463.9	4438.2
17.5°	3612.0	3634.5	3637.2	3639.8
20°	3088.7	3108.1	3112.1	3116.1
22.5°	2645.9	2654.0	2660.8	2667.5
25°	2070.1	2087.6	2109.3	2131.0
27.5°	1699.5	1709.8	1710.1	1710.5
30°	1496.1	1507.0	1511.0	1515.0
32.5°	1335.3	1346.8	1344.0	1341.1
35°	1105.6	1115.0	1115.0	1115.0
37.5°	896.4	903.3	904.4	905.4
40°	760.9	765.9	768.8	771.6
42.5°	632.3	634.7	627.0	619.4
45°	439.4	428.0	396.0	364.0
47.5°	256.4	226.8	191.6	156.4
50°	163.8	126.9	99.5	72.0
52.5°	104.1	69.6	55.9	42.2
55°	45.9	27.2	22.6	18.0
57.5°	18.4	11.7	9.2	6.7
60°	8.1	4.9	3.7	2.6
62.5°	3.7	1.9	1.2	0.5
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°	4.6	2.8	1.8	0.8
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1427621

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1427621

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L930-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