

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: P1427622

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427622
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

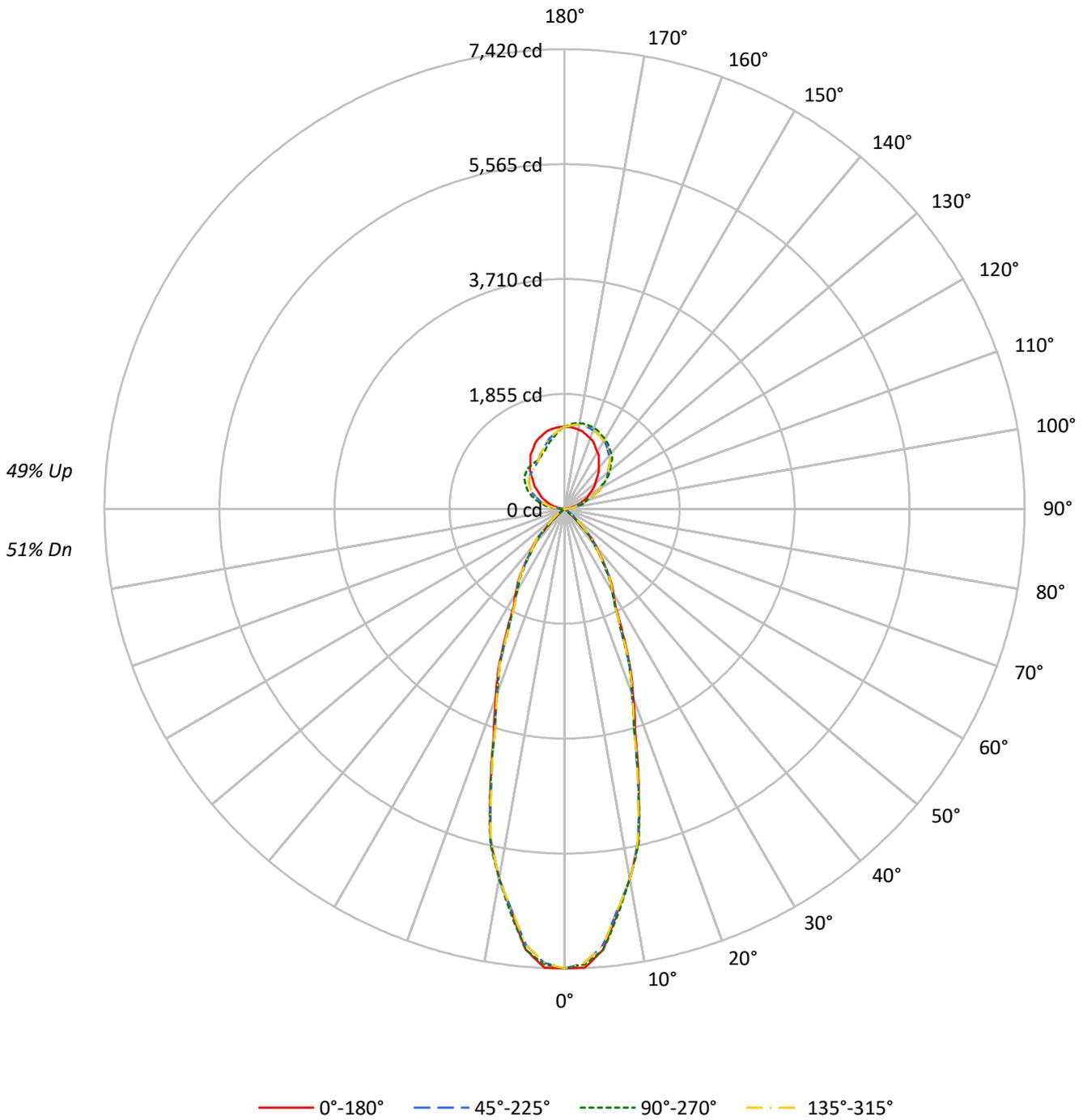
Lumens per Lamp: N/A
Luminaire Lumens: 7882.5 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1427622

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L935-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°	119797	119797	119797	119797
5°	115789	115854	115789	115854
10°	99371	99371	99371	99371
15°	77132	76953	77132	76953
20°	55667	54473	55667	54473
25°	39470	37970	39470	37970
30°	29365	28343	29365	28343
35°	22850	21795	22850	21795
40°	16910	15445	16910	15445
45°	8640	6962	8640	6962
50°	1881	1376	1881	1376
55°	526	414	526	414
60°	87	42	87	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: 10540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.6	8.1
10°-20°	1265.0	16.0
20°-30°	1020.4	12.9
30°-40°	708.9	9.0
40°-50°	327.4	4.2
50°-60°	45.9	0.6
60°-70°	1.6	0.0
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	8.6
140°-150°	635.9	8.1
150°-160°	523.2	6.6
160°-170°	350.9	4.5
170°-180°	124.6	1.6
0°-30°	2927.0	37.1
0°-40°	3635.8	46.1
0°-60°	4009.1	50.9
0°-90°	4017.7	51.0
90°-120°	914.2	11.6
90°-150°	2867.5	36.4
90°-180°	3866.0	49.0
0°-180°	7882.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7420	7420	7420	7420	7420	
5°	7144	7148	7144	7148	7144	642
15°	4614	4604	4614	4604	4614	1270
25°	2216	2131	2216	2131	2216	1037
35°	1159	1106	1159	1106	1159	725
45°	378	305	378	305	378	306
55°	19	15	19	15	19	24
65°	0	0	0	0	0	0
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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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7415.5	7403.1	7390.8	7366.3	7337.8	7336.6	7362.7	7380.3	7372.2	7364.2	7372.2
5°	7144.3	7127.1	7109.9	7089.1	7067.1	7075.4	7114.0	7143.6	7146.0	7148.3	7146.0
7.5°	6545.8	6551.4	6557.0	6542.7	6521.8	6532.7	6575.5	6606.4	6601.8	6597.2	6601.8
10°	6061.2	6065.4	6069.6	6068.8	6066.4	6072.4	6086.7	6093.3	6077.3	6061.2	6077.3
12.5°	5499.7	5516.2	5532.7	5513.6	5482.7	5478.0	5499.4	5517.1	5523.9	5530.7	5523.9
15°	4614.5	4641.2	4668.0	4630.1	4570.6	4555.2	4583.7	4605.0	4604.4	4603.8	4604.4
17.5°	3784.4	3781.6	3778.9	3755.5	3725.2	3712.7	3718.0	3721.6	3719.8	3718.0	3719.8
20°	3239.9	3235.7	3231.6	3211.4	3185.8	3170.9	3166.8	3164.4	3167.4	3170.4	3167.4
22.5°	2773.5	2766.5	2759.5	2751.0	2742.1	2732.5	2722.1	2715.4	2719.3	2723.2	2719.3
25°	2215.6	2193.1	2170.5	2152.3	2135.7	2134.5	2148.8	2156.4	2143.9	2131.4	2143.9
27.5°	1778.4	1778.0	1777.7	1767.0	1752.8	1746.5	1748.1	1749.8	1752.2	1754.6	1752.2
30°	1575.1	1571.0	1566.8	1555.5	1541.9	1535.3	1535.9	1534.6	1527.5	1520.3	1527.5
32.5°	1394.4	1397.3	1400.3	1388.3	1371.3	1361.2	1358.0	1353.8	1346.7	1339.5	1346.7
35°	1159.3	1159.3	1159.3	1149.5	1136.4	1125.4	1116.5	1109.4	1107.6	1105.8	1107.6
37.5°	941.3	940.3	939.2	932.0	922.7	911.8	899.2	888.6	883.9	879.3	883.9
40°	802.3	799.3	796.3	791.1	785.2	774.5	759.0	745.8	739.3	732.8	739.3
42.5°	644.0	651.9	659.9	657.4	651.5	640.8	625.3	611.3	601.4	591.6	601.4
45°	378.4	411.7	445.0	456.9	461.6	455.1	437.2	410.7	357.8	304.9	357.8
47.5°	162.6	199.2	235.8	266.5	295.3	286.2	239.3	193.1	149.1	105.1	149.1
50°	74.9	103.4	131.9	170.3	211.9	203.2	144.4	95.2	75.0	54.8	75.0
52.5°	43.9	58.1	72.4	108.2	151.2	147.4	96.6	55.9	45.2	34.5	45.2
55°	18.7	23.5	28.2	47.7	72.1	70.9	44.1	23.0	18.9	14.7	18.9
57.5°	7.0	9.6	12.2	19.2	27.6	27.1	17.6	9.9	7.8	5.6	7.8
60°	2.7	3.9	5.1	8.5	12.6	12.3	7.6	3.7	2.5	1.3	2.5
62.5°	0.5	1.2	2.0	3.8	6.1	6.0	3.7	1.7	1.0	0.3	1.0
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-BBN-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°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7380.3	7362.7	7336.6	7337.8	7366.3	7390.8	7403.1	7415.5	7403.1	7390.8	7366.3
5°	7143.6	7114.0	7075.4	7067.1	7089.1	7109.9	7127.1	7144.3	7127.1	7109.9	7089.1
7.5°	6606.4	6575.5	6532.7	6521.8	6542.7	6557.0	6551.4	6545.8	6551.4	6557.0	6542.7
10°	6093.3	6086.7	6072.4	6066.4	6068.8	6069.6	6065.4	6061.2	6065.4	6069.6	6068.8
12.5°	5517.1	5499.4	5478.0	5482.7	5513.6	5532.7	5516.2	5499.7	5516.2	5532.7	5513.6
15°	4605.0	4583.7	4555.2	4570.6	4630.1	4668.0	4641.2	4614.5	4641.2	4668.0	4630.1
17.5°	3721.6	3718.0	3712.7	3725.2	3755.5	3778.9	3781.6	3784.4	3781.6	3778.9	3755.5
20°	3164.4	3166.8	3170.9	3185.8	3211.4	3231.6	3235.7	3239.9	3235.7	3231.6	3211.4
22.5°	2715.4	2722.1	2732.5	2742.1	2751.0	2759.5	2766.5	2773.5	2766.5	2759.5	2751.0
25°	2156.4	2148.8	2134.5	2135.7	2152.3	2170.5	2193.1	2215.6	2193.1	2170.5	2152.3
27.5°	1749.8	1748.1	1746.5	1752.8	1767.0	1777.7	1778.0	1778.4	1778.0	1777.7	1767.0
30°	1534.6	1535.9	1535.3	1541.9	1555.5	1566.8	1571.0	1575.1	1571.0	1566.8	1555.5
32.5°	1353.8	1358.0	1361.2	1371.3	1388.3	1400.3	1397.3	1394.4	1397.3	1400.3	1388.3
35°	1109.4	1116.5	1125.4	1136.4	1149.5	1159.3	1159.3	1159.3	1159.3	1159.3	1149.5
37.5°	888.6	899.2	911.8	922.7	932.0	939.2	940.3	941.3	940.3	939.2	932.0
40°	745.8	759.0	774.5	785.2	791.1	796.3	799.3	802.3	799.3	796.3	791.1
42.5°	611.3	625.3	640.8	651.5	657.4	659.9	651.9	644.0	651.9	659.9	657.4
45°	410.7	437.2	455.1	461.6	456.9	445.0	411.7	378.4	411.7	445.0	456.9
47.5°	193.1	239.3	286.2	295.3	266.5	235.8	199.2	162.6	199.2	235.8	266.5
50°	95.2	144.4	203.2	211.9	170.3	131.9	103.4	74.9	103.4	131.9	170.3
52.5°	55.9	96.6	147.4	151.2	108.2	72.4	58.1	43.9	58.1	72.4	108.2
55°	23.0	44.1	70.9	72.1	47.7	28.2	23.5	18.7	23.5	28.2	47.7
57.5°	9.9	17.6	27.1	27.6	19.2	12.2	9.6	7.0	9.6	12.2	19.2
60°	3.7	7.6	12.3	12.6	8.5	5.1	3.9	2.7	3.9	5.1	8.5
62.5°	1.7	3.7	6.0	6.1	3.8	2.0	1.2	0.5	1.2	2.0	3.8
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: P1427622

CATALOG NUMBER: SQ2W-BBN-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: P1427622

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7337.8	7336.6	7362.7	7380.3	7372.2	7364.2	7372.2	7380.3	7362.7	7336.6	7337.8
5°	7067.1	7075.4	7114.0	7143.6	7146.0	7148.3	7146.0	7143.6	7114.0	7075.4	7067.1
7.5°	6521.8	6532.7	6575.5	6606.4	6601.8	6597.2	6601.8	6606.4	6575.5	6532.7	6521.8
10°	6066.4	6072.4	6086.7	6093.3	6077.3	6061.2	6077.3	6093.3	6086.7	6072.4	6066.4
12.5°	5482.7	5478.0	5499.4	5517.1	5523.9	5530.7	5523.9	5517.1	5499.4	5478.0	5482.7
15°	4570.6	4555.2	4583.7	4605.0	4604.4	4603.8	4604.4	4605.0	4583.7	4555.2	4570.6
17.5°	3725.2	3712.7	3718.0	3721.6	3719.8	3718.0	3719.8	3721.6	3718.0	3712.7	3725.2
20°	3185.8	3170.9	3166.8	3164.4	3167.4	3170.4	3167.4	3164.4	3166.8	3170.9	3185.8
22.5°	2742.1	2732.5	2722.1	2715.4	2719.3	2723.2	2719.3	2715.4	2722.1	2732.5	2742.1
25°	2135.7	2134.5	2148.8	2156.4	2143.9	2131.4	2143.9	2156.4	2148.8	2134.5	2135.7
27.5°	1752.8	1746.5	1748.1	1749.8	1752.2	1754.6	1752.2	1749.8	1748.1	1746.5	1752.8
30°	1541.9	1535.3	1535.9	1534.6	1527.5	1520.3	1527.5	1534.6	1535.9	1535.3	1541.9
32.5°	1371.3	1361.2	1358.0	1353.8	1346.7	1339.5	1346.7	1353.8	1358.0	1361.2	1371.3
35°	1136.4	1125.4	1116.5	1109.4	1107.6	1105.8	1107.6	1109.4	1116.5	1125.4	1136.4
37.5°	922.7	911.8	899.2	888.6	883.9	879.3	883.9	888.6	899.2	911.8	922.7
40°	785.2	774.5	759.0	745.8	739.3	732.8	739.3	745.8	759.0	774.5	785.2
42.5°	651.5	640.8	625.3	611.3	601.4	591.6	601.4	611.3	625.3	640.8	651.5
45°	461.6	455.1	437.2	410.7	357.8	304.9	357.8	410.7	437.2	455.1	461.6
47.5°	295.3	286.2	239.3	193.1	149.1	105.1	149.1	193.1	239.3	286.2	295.3
50°	211.9	203.2	144.4	95.2	75.0	54.8	75.0	95.2	144.4	203.2	211.9
52.5°	151.2	147.4	96.6	55.9	45.2	34.5	45.2	55.9	96.6	147.4	151.2
55°	72.1	70.9	44.1	23.0	18.9	14.7	18.9	23.0	44.1	70.9	72.1
57.5°	27.6	27.1	17.6	9.9	7.8	5.6	7.8	9.9	17.6	27.1	27.6
60°	12.6	12.3	7.6	3.7	2.5	1.3	2.5	3.7	7.6	12.3	12.6
62.5°	6.1	6.0	3.7	1.7	1.0	0.3	1.0	1.7	3.7	6.0	6.1
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: P1427622

CATALOG NUMBER: SQ2W-BBN-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: P1427622

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7419.8	7419.8	7419.8	7419.8
2.5°	7366.3	7390.8	7403.1	7415.5
5°	7089.1	7109.9	7127.1	7144.3
7.5°	6542.7	6557.0	6551.4	6545.8
10°	6068.8	6069.6	6065.4	6061.2
12.5°	5513.6	5532.7	5516.2	5499.7
15°	4630.1	4668.0	4641.2	4614.5
17.5°	3755.5	3778.9	3781.6	3784.4
20°	3211.4	3231.6	3235.7	3239.9
22.5°	2751.0	2759.5	2766.5	2773.5
25°	2152.3	2170.5	2193.1	2215.6
27.5°	1767.0	1777.7	1778.0	1778.4
30°	1555.5	1566.8	1571.0	1575.1
32.5°	1388.3	1400.3	1397.3	1394.4
35°	1149.5	1159.3	1159.3	1159.3
37.5°	932.0	939.2	940.3	941.3
40°	791.1	796.3	799.3	802.3
42.5°	657.4	659.9	651.9	644.0
45°	456.9	445.0	411.7	378.4
47.5°	266.5	235.8	199.2	162.6
50°	170.3	131.9	103.4	74.9
52.5°	108.2	72.4	58.1	43.9
55°	47.7	28.2	23.5	18.7
57.5°	19.2	12.2	9.6	7.0
60°	8.5	5.1	3.9	2.7
62.5°	3.8	2.0	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°	4.8	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: P1427622

CATALOG NUMBER: SQ2W-BBN-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: P1427622
 CATALOG NUMBER: SQ2W-BBN-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	0.00	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