

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: P1427620

Luminaire Tested: SQ2W-BBN-K-100U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427620
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-075D-L940-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 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

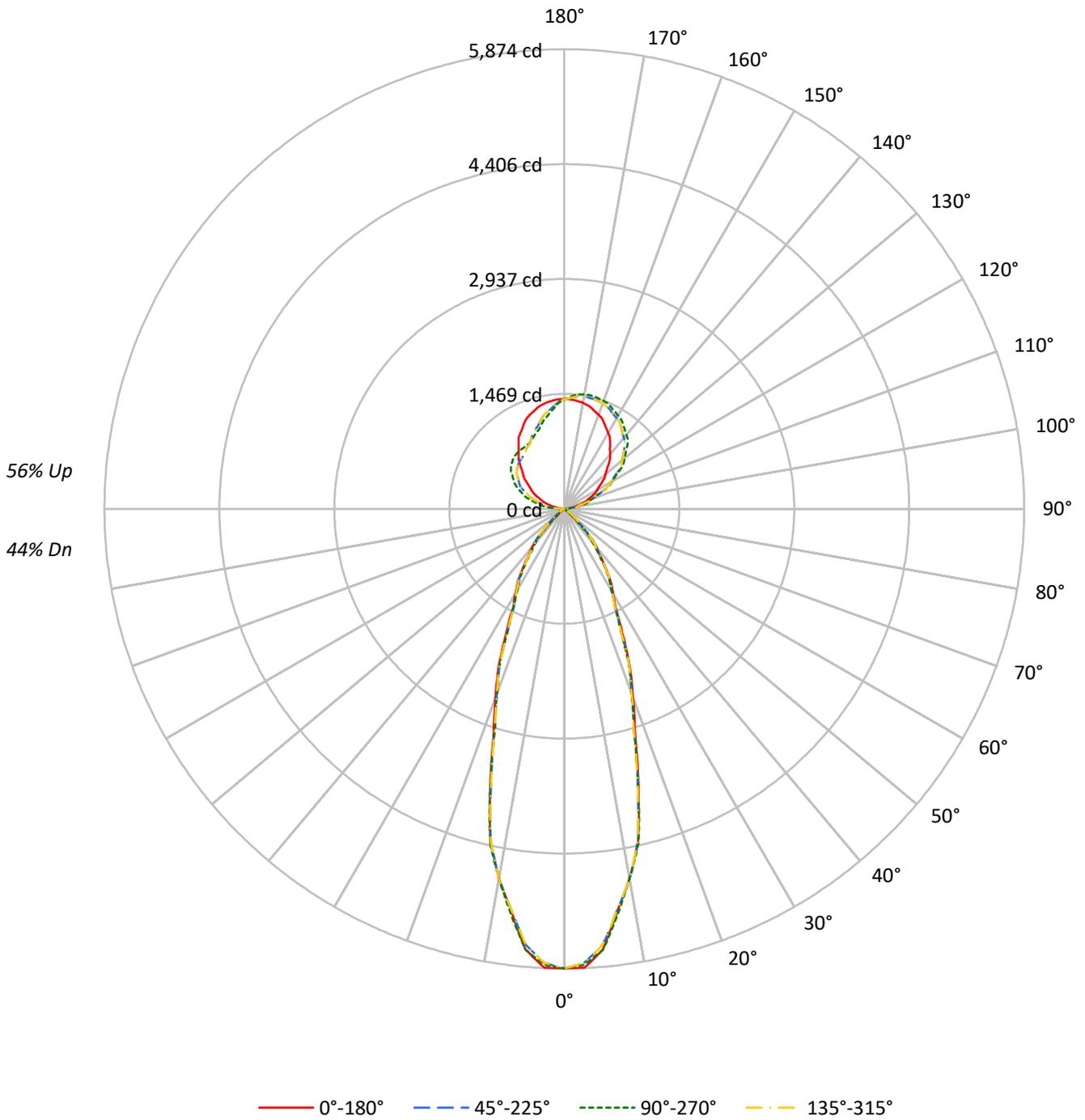
Lumens per Lamp: N/A
Luminaire Lumens: 7270.6 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (A_{in}): 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-075D-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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44				
1	98	95	92	89	90	87	85	83	73	71	70	60	59	58	48	47	47	41				
2	92	86	81	77	84	79	75	72	67	64	62	56	54	52	45	44	43	38				
3	86	78	72	68	79	72	67	63	62	58	55	52	49	48	43	41	40	36				
4	80	71	65	60	74	66	61	57	57	53	50	48	46	44	40	39	37	34				
5	75	65	59	54	69	61	55	51	53	49	45	45	42	40	38	36	35	32				
6	70	60	53	49	65	56	50	46	49	45	42	42	39	37	36	34	33	30				
7	66	56	49	44	61	52	46	42	46	41	38	40	37	34	34	32	31	28				
8	62	52	45	41	57	49	43	39	43	39	36	37	34	32	32	30	29	27				
9	58	48	42	38	54	45	40	36	40	36	33	35	32	30	31	29	27	25				
10	55	45	39	35	51	43	37	33	38	34	31	34	30	28	29	27	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	94841	94841	94841	94841
5°	91668	91720	91668	91720
10°	78670	78670	78670	78670
15°	61064	60922	61064	60922
20°	44069	43124	44069	43124
25°	31249	30060	31249	30060
30°	23248	22439	23248	22439
35°	18090	17254	18090	17254
40°	13386	12226	13386	12226
45°	6841	5512	6841	5512
50°	1489	1090	1489	1090
55°	417	327	417	327
60°	68	36	68	36
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: 8343 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.9	7.0
10°-20°	1001.4	13.8
20°-30°	807.8	11.1
30°-40°	561.2	7.7
40°-50°	259.2	3.6
50°-60°	36.3	0.5
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	7.4	0.1
90°-100°	111.5	1.5
100°-110°	325.1	4.5
110°-120°	530.5	7.3
120°-130°	673.2	9.3
130°-140°	720.3	9.9
140°-150°	672.6	9.3
150°-160°	553.5	7.6
160°-170°	371.2	5.1
170°-180°	131.8	1.8
0°-30°	2317.2	31.9
0°-40°	2878.4	39.6
0°-60°	3173.9	43.7
0°-90°	3182.6	43.8
90°-120°	967.1	13.3
90°-150°	3033.2	41.7
90°-180°	4090.0	56.3
0°-180°	7270.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5874	5874	5874	5874	5874	
5°	5656	5659	5656	5659	5656	508
15°	3653	3645	3653	3645	3653	1006
25°	1754	1687	1754	1687	1754	821
35°	918	875	918	875	918	574
45°	300	241	300	241	300	242
55°	15	12	15	12	15	19
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°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5870.7	5860.9	5851.1	5831.7	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4
5°	5656.0	5642.3	5628.7	5612.2	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3
7.5°	5182.2	5186.6	5191.0	5179.7	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5
10°	4798.5	4801.8	4805.1	4804.5	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2
12.5°	4353.9	4367.0	4380.1	4365.0	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1
15°	3653.2	3674.3	3695.5	3665.5	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2
17.5°	2996.0	2993.8	2991.7	2973.1	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9
20°	2564.9	2561.6	2558.3	2542.4	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5
22.5°	2195.7	2190.2	2184.6	2177.9	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8
25°	1754.1	1736.2	1718.3	1704.0	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3
27.5°	1407.9	1407.6	1407.3	1398.9	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2
30°	1247.0	1243.7	1240.4	1231.5	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2
32.5°	1103.9	1106.2	1108.6	1099.1	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1
35°	917.8	917.8	917.8	910.0	899.7	891.0	883.9	878.3	876.9	875.4	876.9
37.5°	745.2	744.4	743.5	737.8	730.5	721.8	711.9	703.5	699.8	696.1	699.8
40°	635.1	632.8	630.4	626.3	621.6	613.2	600.9	590.5	585.3	580.1	585.3
42.5°	509.8	516.1	522.4	520.5	515.8	507.3	495.1	483.9	476.1	468.3	476.1
45°	299.6	325.9	352.3	361.7	365.4	360.3	346.2	325.1	283.2	241.4	283.2
47.5°	128.7	157.7	186.7	211.0	233.8	226.6	189.4	152.8	118.0	83.2	118.0
50°	59.3	81.9	104.4	134.8	167.7	160.9	114.3	75.4	59.4	43.4	59.4
52.5°	34.7	46.0	57.3	85.7	119.7	116.7	76.5	44.2	35.8	27.3	35.8
55°	14.8	18.6	22.3	37.8	57.0	56.1	34.9	18.2	14.9	11.6	14.9
57.5°	5.5	7.6	9.6	15.2	21.9	21.4	13.9	7.8	6.1	4.4	6.1
60°	2.1	3.1	4.0	6.7	10.0	9.8	6.0	2.9	2.0	1.1	2.0
62.5°	0.4	1.0	1.6	3.0	4.8	4.8	2.9	1.3	0.8	0.2	0.8
65°	0.0	0.0	0.0	0.4	0.8	0.8	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	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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CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5842.8	5828.9	5808.2	5809.1	5831.7	5851.1	5860.9	5870.7	5860.9	5851.1	5831.7
5°	5655.4	5632.0	5601.4	5594.8	5612.2	5628.7	5642.3	5656.0	5642.3	5628.7	5612.2
7.5°	5230.2	5205.7	5171.8	5163.1	5179.7	5191.0	5186.6	5182.2	5186.6	5191.0	5179.7
10°	4823.9	4818.6	4807.4	4802.7	4804.5	4805.1	4801.8	4798.5	4801.8	4805.1	4804.5
12.5°	4367.8	4353.7	4336.8	4340.5	4365.0	4380.1	4367.0	4353.9	4367.0	4380.1	4365.0
15°	3645.6	3628.8	3606.2	3618.5	3665.5	3695.5	3674.3	3653.2	3674.3	3695.5	3665.5
17.5°	2946.3	2943.5	2939.2	2949.1	2973.1	2991.7	2993.8	2996.0	2993.8	2991.7	2973.1
20°	2505.2	2507.1	2510.4	2522.1	2542.4	2558.3	2561.6	2564.9	2561.6	2558.3	2542.4
22.5°	2149.7	2155.1	2163.2	2170.9	2177.9	2184.6	2190.2	2195.7	2190.2	2184.6	2177.9
25°	1707.1	1701.1	1689.8	1690.8	1704.0	1718.3	1736.2	1754.1	1736.2	1718.3	1704.0
27.5°	1385.3	1383.9	1382.7	1387.7	1398.9	1407.3	1407.6	1407.9	1407.6	1407.3	1398.9
30°	1214.9	1216.0	1215.5	1220.7	1231.5	1240.4	1243.7	1247.0	1243.7	1240.4	1231.5
32.5°	1071.8	1075.1	1077.6	1085.6	1099.1	1108.6	1106.2	1103.9	1106.2	1108.6	1099.1
35°	878.3	883.9	891.0	899.7	910.0	917.8	917.8	917.8	917.8	917.8	910.0
37.5°	703.5	711.9	721.8	730.5	737.8	743.5	744.4	745.2	744.4	743.5	737.8
40°	590.5	600.9	613.2	621.6	626.3	630.4	632.8	635.1	632.8	630.4	626.3
42.5°	483.9	495.1	507.3	515.8	520.5	522.4	516.1	509.8	516.1	522.4	520.5
45°	325.1	346.2	360.3	365.4	361.7	352.3	325.9	299.6	325.9	352.3	361.7
47.5°	152.8	189.4	226.6	233.8	211.0	186.7	157.7	128.7	157.7	186.7	211.0
50°	75.4	114.3	160.9	167.7	134.8	104.4	81.9	59.3	81.9	104.4	134.8
52.5°	44.2	76.5	116.7	119.7	85.7	57.3	46.0	34.7	46.0	57.3	85.7
55°	18.2	34.9	56.1	57.0	37.8	22.3	18.6	14.8	18.6	22.3	37.8
57.5°	7.8	13.9	21.4	21.9	15.2	9.6	7.6	5.5	7.6	9.6	15.2
60°	2.9	6.0	9.8	10.0	6.7	4.0	3.1	2.1	3.1	4.0	6.7
62.5°	1.3	2.9	4.8	4.8	3.0	1.6	1.0	0.4	1.0	1.6	3.0
65°	0.0	0.4	0.8	0.8	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°	5.9	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: P1427620

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427620

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4	5842.8	5828.9	5808.2	5809.1
5°	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3	5655.4	5632.0	5601.4	5594.8
7.5°	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5	5230.2	5205.7	5171.8	5163.1
10°	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2	4823.9	4818.6	4807.4	4802.7
12.5°	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1	4367.8	4353.7	4336.8	4340.5
15°	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2	3645.6	3628.8	3606.2	3618.5
17.5°	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9	2946.3	2943.5	2939.2	2949.1
20°	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5	2505.2	2507.1	2510.4	2522.1
22.5°	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8	2149.7	2155.1	2163.2	2170.9
25°	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3	1707.1	1701.1	1689.8	1690.8
27.5°	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2	1385.3	1383.9	1382.7	1387.7
30°	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2	1214.9	1216.0	1215.5	1220.7
32.5°	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1	1071.8	1075.1	1077.6	1085.6
35°	899.7	891.0	883.9	878.3	876.9	875.4	876.9	878.3	883.9	891.0	899.7
37.5°	730.5	721.8	711.9	703.5	699.8	696.1	699.8	703.5	711.9	721.8	730.5
40°	621.6	613.2	600.9	590.5	585.3	580.1	585.3	590.5	600.9	613.2	621.6
42.5°	515.8	507.3	495.1	483.9	476.1	468.3	476.1	483.9	495.1	507.3	515.8
45°	365.4	360.3	346.2	325.1	283.2	241.4	283.2	325.1	346.2	360.3	365.4
47.5°	233.8	226.6	189.4	152.8	118.0	83.2	118.0	152.8	189.4	226.6	233.8
50°	167.7	160.9	114.3	75.4	59.4	43.4	59.4	75.4	114.3	160.9	167.7
52.5°	119.7	116.7	76.5	44.2	35.8	27.3	35.8	44.2	76.5	116.7	119.7
55°	57.0	56.1	34.9	18.2	14.9	11.6	14.9	18.2	34.9	56.1	57.0
57.5°	21.9	21.4	13.9	7.8	6.1	4.4	6.1	7.8	13.9	21.4	21.9
60°	10.0	9.8	6.0	2.9	2.0	1.1	2.0	2.9	6.0	9.8	10.0
62.5°	4.8	4.8	2.9	1.3	0.8	0.2	0.8	1.3	2.9	4.8	4.8
65°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
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: P1427620

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427620

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5874.1	5874.1	5874.1	5874.1
2.5°	5831.7	5851.1	5860.9	5870.7
5°	5612.2	5628.7	5642.3	5656.0
7.5°	5179.7	5191.0	5186.6	5182.2
10°	4804.5	4805.1	4801.8	4798.5
12.5°	4365.0	4380.1	4367.0	4353.9
15°	3665.5	3695.5	3674.3	3653.2
17.5°	2973.1	2991.7	2993.8	2996.0
20°	2542.4	2558.3	2561.6	2564.9
22.5°	2177.9	2184.6	2190.2	2195.7
25°	1704.0	1718.3	1736.2	1754.1
27.5°	1398.9	1407.3	1407.6	1407.9
30°	1231.5	1240.4	1243.7	1247.0
32.5°	1099.1	1108.6	1106.2	1103.9
35°	910.0	917.8	917.8	917.8
37.5°	737.8	743.5	744.4	745.2
40°	626.3	630.4	632.8	635.1
42.5°	520.5	522.4	516.1	509.8
45°	361.7	352.3	325.9	299.6
47.5°	211.0	186.7	157.7	128.7
50°	134.8	104.4	81.9	59.3
52.5°	85.7	57.3	46.0	34.7
55°	37.8	22.3	18.6	14.8
57.5°	15.2	9.6	7.6	5.5
60°	6.7	4.0	3.1	2.1
62.5°	3.0	1.6	1.0	0.4
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°	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: P1427620

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427620
 CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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