

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: P1427637

Luminaire Tested: SQ2W-BBN-K-125U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427637  
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-125U-125D-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 1250 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

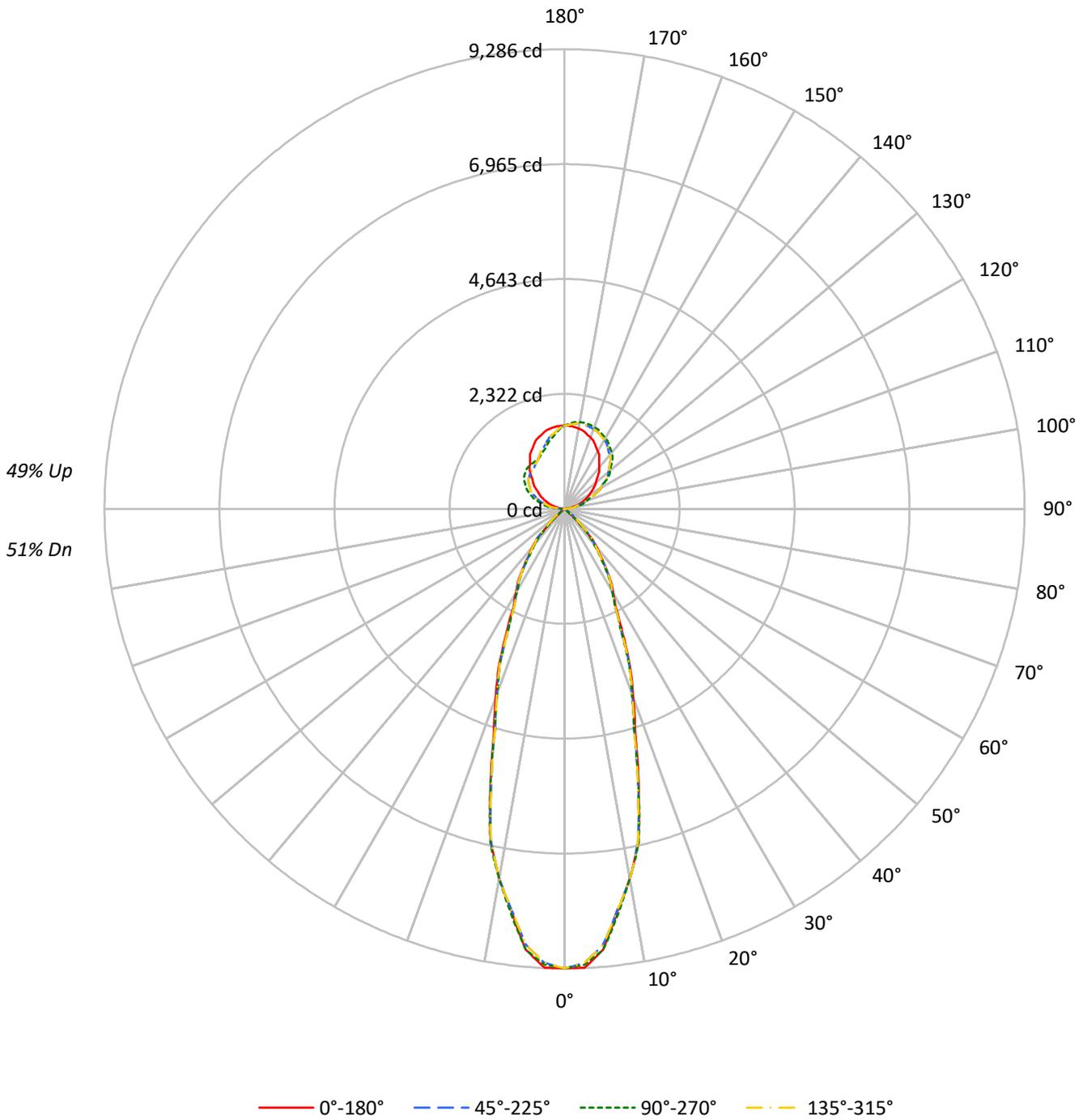
Lumens per Lamp: N/A  
Luminaire Lumens: 9928.5 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.8  
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: P1427637

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-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	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	53	53	48				
2	94	88	83	79	87	82	78	75	71	68	66	61	59	57	51	50	49	45				
3	88	80	75	70	81	75	70	66	66	62	59	57	54	52	48	47	45	42				
4	82	74	67	63	76	69	64	60	61	57	54	53	50	48	46	44	42	39				
5	77	68	61	57	72	64	58	54	56	52	49	50	47	44	43	41	40	37				
6	72	63	56	51	68	59	53	49	53	48	45	47	43	41	41	39	37	35				
7	68	58	52	47	64	55	49	45	49	45	42	44	41	38	39	37	35	33				
8	64	54	48	43	60	51	46	42	46	42	39	41	38	36	37	35	33	31				
9	61	51	44	40	57	48	43	39	44	39	36	39	36	34	35	33	31	29				
10	58	48	41	37	54	45	40	36	41	37	34	37	34	32	34	31	29	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	149931	149931	149931	149931
5°	144917	144998	144917	144998
10°	124368	124368	124368	124368
15°	96533	96309	96533	96309
20°	69670	68174	69670	68174
25°	49400	47521	49400	47521
30°	36753	35474	36753	35474
35°	28597	27279	28597	27279
40°	21163	19329	21163	19329
45°	10814	8713	10814	8713
50°	2354	1723	2354	1723
55°	659	518	659	518
60°	107	55	107	55
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: 13191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	803.0	8.1
10°-20°	1583.2	15.9
20°-30°	1277.1	12.9
30°-40°	887.2	8.9
40°-50°	409.8	4.1
50°-60°	57.4	0.6
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	8.9	0.1
90°-100°	133.6	1.3
100°-110°	389.6	3.9
110°-120°	635.9	6.4
120°-130°	806.9	8.1
130°-140°	863.4	8.7
140°-150°	806.2	8.1
150°-160°	663.4	6.7
160°-170°	444.9	4.5
170°-180°	158.0	1.6
0°-30°	3663.3	36.9
0°-40°	4550.4	45.8
0°-60°	5017.6	50.5
0°-90°	5028.5	50.6
90°-120°	1159.2	11.7
90°-150°	3635.7	36.6
90°-180°	4902.0	49.4
0°-180°	9928.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9286	9286	9286	9286	9286	
5°	8942	8946	8942	8946	8942	804
15°	5775	5762	5775	5762	5775	1590
25°	2773	2668	2773	2668	2773	1298
35°	1451	1384	1451	1384	1451	908
45°	474	382	474	382	474	383
55°	23	18	23	18	23	30
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	37	5	73	5	4
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9280.8	9265.4	9249.9	9219.3	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7
5°	8941.5	8919.9	8898.3	8872.3	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5
7.5°	8192.4	8199.4	8206.4	8188.5	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5
10°	7585.9	7591.1	7596.3	7595.4	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0
12.5°	6883.1	6903.7	6924.4	6900.6	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4
15°	5775.2	5808.7	5842.2	5794.7	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6
17.5°	4736.3	4732.9	4729.5	4700.2	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5
20°	4054.9	4049.7	4044.5	4019.2	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1
22.5°	3471.2	3462.4	3453.6	3443.0	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3
25°	2773.0	2744.7	2716.4	2693.8	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2
27.5°	2225.7	2225.3	2224.8	2211.5	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0
30°	1971.4	1966.2	1961.0	1946.8	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7
32.5°	1745.1	1748.8	1752.6	1737.5	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4
35°	1450.9	1450.9	1450.9	1438.6	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2
37.5°	1178.1	1176.8	1175.5	1166.4	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3
40°	1004.1	1000.4	996.7	990.1	982.7	969.3	950.0	933.4	925.3	917.1	925.3
42.5°	806.0	815.9	825.9	822.8	815.4	802.0	782.6	765.0	752.7	740.4	752.7
45°	473.6	515.2	556.9	571.8	577.7	569.5	547.2	513.9	447.8	381.6	447.8
47.5°	203.5	249.3	295.1	333.6	369.6	358.2	299.4	241.6	186.6	131.5	186.6
50°	93.7	129.4	165.1	213.1	265.2	254.4	180.7	119.2	93.9	68.6	93.9
52.5°	54.9	72.7	90.6	135.4	189.3	184.5	120.9	70.0	56.6	43.2	56.6
55°	23.4	29.4	35.3	59.7	90.2	88.7	55.2	28.8	23.6	18.4	23.6
57.5°	8.7	12.0	15.2	24.0	34.5	33.9	22.0	12.4	9.7	7.0	9.7
60°	3.3	4.8	6.3	10.6	15.8	15.4	9.5	4.6	3.2	1.7	3.2
62.5°	0.7	1.6	2.5	4.8	7.6	7.5	4.6	2.1	1.2	0.3	1.2
65°	0.0	0.0	0.0	0.6	1.3	1.3	0.6	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°	1.0	2.4	4.1	5.4	6.4	6.8	6.8	7.1	7.5	7.5	7.5
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9236.8	9214.8	9182.1	9183.6	9219.3	9249.9	9265.4	9280.8	9265.4	9249.9	9219.3
5°	8940.5	8903.5	8855.2	8844.8	8872.3	8898.3	8919.9	8941.5	8919.9	8898.3	8872.3
7.5°	8268.3	8229.6	8176.0	8162.3	8188.5	8206.4	8199.4	8192.4	8199.4	8206.4	8188.5
10°	7626.1	7617.7	7599.9	7592.4	7595.4	7596.3	7591.1	7585.9	7591.1	7596.3	7595.4
12.5°	6904.9	6882.7	6856.0	6861.9	6900.6	6924.4	6903.7	6883.1	6903.7	6924.4	6900.6
15°	5763.3	5736.7	5701.0	5720.4	5794.7	5842.2	5808.7	5775.2	5808.7	5842.2	5794.7
17.5°	4657.8	4653.3	4646.6	4662.2	4700.2	4729.5	4732.9	4736.3	4732.9	4729.5	4700.2
20°	3960.4	3963.4	3968.6	3987.2	4019.2	4044.5	4049.7	4054.9	4049.7	4044.5	4019.2
22.5°	3398.4	3406.9	3419.8	3431.9	3443.0	3453.6	3462.4	3471.2	3462.4	3453.6	3443.0
25°	2698.8	2689.3	2671.4	2672.9	2693.8	2716.4	2744.7	2773.0	2744.7	2716.4	2693.8
27.5°	2190.0	2187.8	2185.9	2193.8	2211.5	2224.8	2225.3	2225.7	2225.3	2224.8	2211.5
30°	1920.6	1922.3	1921.5	1929.7	1946.8	1961.0	1966.2	1971.4	1966.2	1961.0	1946.8
32.5°	1694.4	1699.6	1703.6	1716.3	1737.5	1752.6	1748.8	1745.1	1748.8	1752.6	1737.5
35°	1388.4	1397.4	1408.5	1422.3	1438.6	1450.9	1450.9	1450.9	1450.9	1450.9	1438.6
37.5°	1112.1	1125.4	1141.1	1154.8	1166.4	1175.5	1176.8	1178.1	1176.8	1175.5	1166.4
40°	933.4	950.0	969.3	982.7	990.1	996.7	1000.4	1004.1	1000.4	996.7	990.1
42.5°	765.0	782.6	802.0	815.4	822.8	825.9	815.9	806.0	815.9	825.9	822.8
45°	513.9	547.2	569.5	577.7	571.8	556.9	515.2	473.6	515.2	556.9	571.8
47.5°	241.6	299.4	358.2	369.6	333.6	295.1	249.3	203.5	249.3	295.1	333.6
50°	119.2	180.7	254.4	265.2	213.1	165.1	129.4	93.7	129.4	165.1	213.1
52.5°	70.0	120.9	184.5	189.3	135.4	90.6	72.7	54.9	72.7	90.6	135.4
55°	28.8	55.2	88.7	90.2	59.7	35.3	29.4	23.4	29.4	35.3	59.7
57.5°	12.4	22.0	33.9	34.5	24.0	15.2	12.0	8.7	12.0	15.2	24.0
60°	4.6	9.5	15.4	15.8	10.6	6.3	4.8	3.3	4.8	6.3	10.6
62.5°	2.1	4.6	7.5	7.6	4.8	2.5	1.6	0.7	1.6	2.5	4.8
65°	0.0	0.6	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	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°	7.1	6.8	6.8	6.4	5.4	4.1	2.4	1.0	2.4	3.7	6.1
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1427637

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1427637

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7	9236.8	9214.8	9182.1	9183.6
5°	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5	8940.5	8903.5	8855.2	8844.8
7.5°	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5	8268.3	8229.6	8176.0	8162.3
10°	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0	7626.1	7617.7	7599.9	7592.4
12.5°	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4	6904.9	6882.7	6856.0	6861.9
15°	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6	5763.3	5736.7	5701.0	5720.4
17.5°	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5	4657.8	4653.3	4646.6	4662.2
20°	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1	3960.4	3963.4	3968.6	3987.2
22.5°	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3	3398.4	3406.9	3419.8	3431.9
25°	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2	2698.8	2689.3	2671.4	2672.9
27.5°	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0	2190.0	2187.8	2185.9	2193.8
30°	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7	1920.6	1922.3	1921.5	1929.7
32.5°	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4	1694.4	1699.6	1703.6	1716.3
35°	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2	1388.4	1397.4	1408.5	1422.3
37.5°	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3	1112.1	1125.4	1141.1	1154.8
40°	982.7	969.3	950.0	933.4	925.3	917.1	925.3	933.4	950.0	969.3	982.7
42.5°	815.4	802.0	782.6	765.0	752.7	740.4	752.7	765.0	782.6	802.0	815.4
45°	577.7	569.5	547.2	513.9	447.8	381.6	447.8	513.9	547.2	569.5	577.7
47.5°	369.6	358.2	299.4	241.6	186.6	131.5	186.6	241.6	299.4	358.2	369.6
50°	265.2	254.4	180.7	119.2	93.9	68.6	93.9	119.2	180.7	254.4	265.2
52.5°	189.3	184.5	120.9	70.0	56.6	43.2	56.6	70.0	120.9	184.5	189.3
55°	90.2	88.7	55.2	28.8	23.6	18.4	23.6	28.8	55.2	88.7	90.2
57.5°	34.5	33.9	22.0	12.4	9.7	7.0	9.7	12.4	22.0	33.9	34.5
60°	15.8	15.4	9.5	4.6	3.2	1.7	3.2	4.6	9.5	15.4	15.8
62.5°	7.6	7.5	4.6	2.1	1.2	0.3	1.2	2.1	4.6	7.5	7.6
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.3
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°	7.8	10.2	12.5	13.9	15.3	14.6	15.3	13.9	12.5	10.2	7.8
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1427637

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1427637

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	9286.2	9286.2	9286.2	9286.2
2.5°	9219.3	9249.9	9265.4	9280.8
5°	8872.3	8898.3	8919.9	8941.5
7.5°	8188.5	8206.4	8199.4	8192.4
10°	7595.4	7596.3	7591.1	7585.9
12.5°	6900.6	6924.4	6903.7	6883.1
15°	5794.7	5842.2	5808.7	5775.2
17.5°	4700.2	4729.5	4732.9	4736.3
20°	4019.2	4044.5	4049.7	4054.9
22.5°	3443.0	3453.6	3462.4	3471.2
25°	2693.8	2716.4	2744.7	2773.0
27.5°	2211.5	2224.8	2225.3	2225.7
30°	1946.8	1961.0	1966.2	1971.4
32.5°	1737.5	1752.6	1748.8	1745.1
35°	1438.6	1450.9	1450.9	1450.9
37.5°	1166.4	1175.5	1176.8	1178.1
40°	990.1	996.7	1000.4	1004.1
42.5°	822.8	825.9	815.9	806.0
45°	571.8	556.9	515.2	473.6
47.5°	333.6	295.1	249.3	203.5
50°	213.1	165.1	129.4	93.7
52.5°	135.4	90.6	72.7	54.9
55°	59.7	35.3	29.4	23.4
57.5°	24.0	15.2	12.0	8.7
60°	10.6	6.3	4.8	3.3
62.5°	4.8	2.5	1.6	0.7
65°	0.6	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°	6.1	3.7	2.4	1.0
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2

TEST NUMBER: P1427637

CATALOG NUMBER: SQ2W-BBN-K-125U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1427637  
 CATALOG NUMBER: SQ2W-BBN-K-125U-125D-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