

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: P1427628

Luminaire Tested: SQ2W-BBN-K-125U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427628  
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-050D-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 500 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

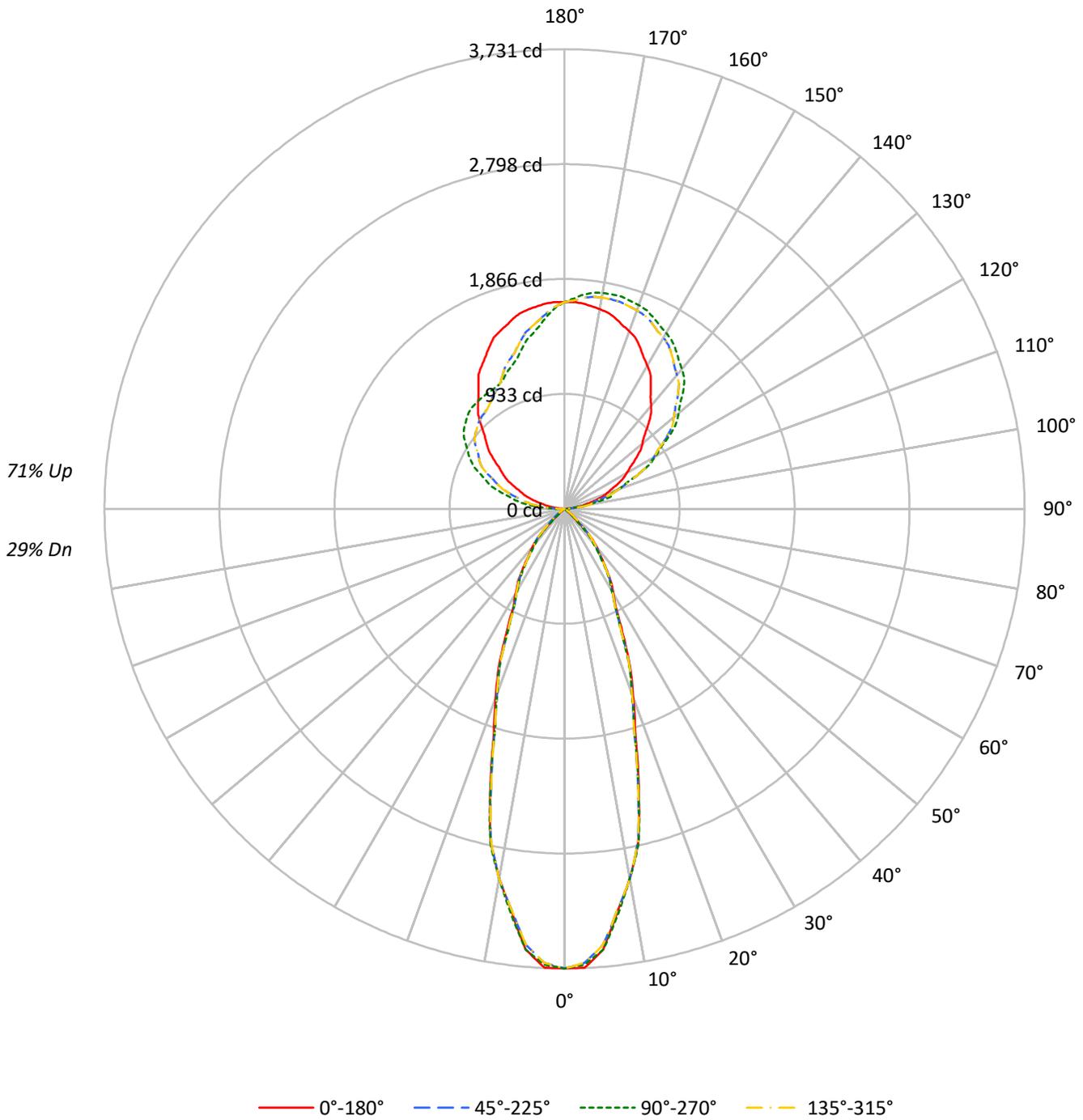
Lumens per Lamp: N/A  
Luminaire Lumens: 6925.7 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 62.1  
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: P1427628

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29				
1	95	91	88	85	85	82	79	77	65	63	62	49	48	47	35	34	34	27				
2	87	81	76	72	78	73	69	66	59	56	54	45	44	42	33	32	31	26				
3	81	73	67	62	73	66	61	57	54	50	47	42	40	38	31	30	29	24				
4	75	66	59	54	68	60	54	50	49	45	42	39	36	34	29	28	27	23				
5	70	60	53	48	63	55	49	45	45	41	38	36	33	31	27	26	25	21				
6	65	55	48	43	59	50	44	40	41	37	34	33	31	28	26	24	23	20				
7	61	50	43	39	55	46	40	36	38	34	31	31	28	26	24	23	21	19				
8	57	46	39	35	51	43	37	33	36	31	28	29	26	24	23	21	20	18				
9	53	43	36	32	48	39	34	30	33	29	26	27	25	23	22	20	19	17				
10	50	40	33	29	46	37	31	28	31	27	24	26	23	21	21	19	18	16				

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

	0°	90°	180°	270°
0°	60239	60239	60239	60239
5°	58224	58257	58224	58257
10°	49969	49969	49969	49969
15°	38786	38695	38786	38695
20°	27992	27391	27992	27391
25°	19847	19094	19847	19094
30°	14767	14253	14767	14253
35°	11491	10961	11491	10961
40°	8502	7767	8502	7767
45°	4345	3500	4345	3500
50°	947	693	947	693
55°	265	208	265	208
60°	42	23	42	23
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 260°  
 Vertical Angle: 87.5°  
 Luminance: 5663 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.6	4.7
10°-20°	636.1	9.2
20°-30°	513.1	7.4
30°-40°	356.5	5.1
40°-50°	164.7	2.4
50°-60°	23.1	0.3
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	8.9	0.1
90°-100°	133.6	1.9
100°-110°	389.6	5.6
110°-120°	635.9	9.2
120°-130°	806.9	11.7
130°-140°	863.4	12.5
140°-150°	806.2	11.6
150°-160°	663.4	9.6
160°-170°	444.9	6.4
170°-180°	158.0	2.3
0°-30°	1471.8	21.3
0°-40°	1828.3	26.4
0°-60°	2016.0	29.1
0°-90°	2025.7	29.2
90°-120°	1159.2	16.7
90°-150°	3635.7	52.5
90°-180°	4902.0	70.8
0°-180°	6925.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3731	3731	3731	3731	3731	
5°	3592	3594	3592	3594	3592	323
15°	2320	2315	2320	2315	2320	639
25°	1114	1072	1114	1072	1114	522
35°	583	556	583	556	583	365
45°	190	153	190	153	190	154
55°	9	7	9	7	9	12
65°	0	0	0	0	0	0
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°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3728.9	3722.7	3716.4	3704.1	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1
5°	3592.5	3583.8	3575.2	3564.7	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3
7.5°	3291.6	3294.4	3297.2	3290.0	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7
10°	3047.9	3050.0	3052.1	3051.7	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0
12.5°	2765.5	2773.8	2782.1	2772.5	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7
15°	2320.4	2333.8	2347.3	2328.2	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3
17.5°	1903.0	1901.6	1900.2	1888.4	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5
20°	1629.2	1627.1	1625.0	1614.8	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7
22.5°	1394.6	1391.1	1387.6	1383.3	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4
25°	1114.1	1102.8	1091.4	1082.3	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0
27.5°	894.3	894.1	893.9	888.5	881.4	878.2	879.0	879.9	881.1	882.3	881.1
30°	792.1	790.0	787.9	782.2	775.3	772.0	772.3	771.7	768.1	764.5	768.1
32.5°	701.2	702.6	704.1	698.1	689.6	684.5	682.9	680.8	677.2	673.6	677.2
35°	583.0	583.0	583.0	578.0	571.4	565.9	561.4	557.8	557.0	556.1	557.0
37.5°	473.4	472.8	472.3	468.6	464.0	458.5	452.2	446.8	444.5	442.2	444.5
40°	403.4	401.9	400.4	397.8	394.8	389.5	381.7	375.0	371.8	368.5	371.8
42.5°	323.8	327.8	331.8	330.6	327.6	322.2	314.4	307.4	302.4	297.5	302.4
45°	190.3	207.0	223.8	229.7	232.1	228.8	219.9	206.5	179.9	153.3	179.9
47.5°	81.8	100.2	118.6	134.0	148.5	143.9	120.3	97.1	75.0	52.8	75.0
50°	37.7	52.0	66.3	85.6	106.5	102.2	72.6	47.9	37.7	27.6	37.7
52.5°	22.1	29.2	36.4	54.4	76.1	74.1	48.6	28.1	22.7	17.3	22.7
55°	9.4	11.8	14.2	24.0	36.2	35.6	22.2	11.6	9.5	7.4	9.5
57.5°	3.5	4.8	6.1	9.6	13.9	13.6	8.8	5.0	3.9	2.8	3.9
60°	1.3	1.9	2.5	4.3	6.4	6.2	3.8	1.9	1.3	0.7	1.3
62.5°	0.3	0.6	1.0	1.9	3.1	3.0	1.8	0.9	0.5	0.1	0.5
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3711.2	3702.3	3689.2	3689.8	3704.1	3716.4	3722.7	3728.9	3722.7	3716.4	3704.1
5°	3592.1	3577.3	3557.8	3553.7	3564.7	3575.2	3583.8	3592.5	3583.8	3575.2	3564.7
7.5°	3322.0	3306.5	3285.0	3279.5	3290.0	3297.2	3294.4	3291.6	3294.4	3297.2	3290.0
10°	3064.0	3060.7	3053.5	3050.5	3051.7	3052.1	3050.0	3047.9	3050.0	3052.1	3051.7
12.5°	2774.3	2765.4	2754.6	2757.0	2772.5	2782.1	2773.8	2765.5	2773.8	2782.1	2772.5
15°	2315.6	2304.9	2290.6	2298.3	2328.2	2347.3	2333.8	2320.4	2333.8	2347.3	2328.2
17.5°	1871.4	1869.6	1866.9	1873.2	1888.4	1900.2	1901.6	1903.0	1901.6	1900.2	1888.4
20°	1591.2	1592.4	1594.5	1602.0	1614.8	1625.0	1627.1	1629.2	1627.1	1625.0	1614.8
22.5°	1365.4	1368.8	1374.0	1378.9	1383.3	1387.6	1391.1	1394.6	1391.1	1387.6	1383.3
25°	1084.3	1080.5	1073.3	1073.9	1082.3	1091.4	1102.8	1114.1	1102.8	1091.4	1082.3
27.5°	879.9	879.0	878.2	881.4	888.5	893.9	894.1	894.3	894.1	893.9	888.5
30°	771.7	772.3	772.0	775.3	782.2	787.9	790.0	792.1	790.0	787.9	782.2
32.5°	680.8	682.9	684.5	689.6	698.1	704.1	702.6	701.2	702.6	704.1	698.1
35°	557.8	561.4	565.9	571.4	578.0	583.0	583.0	583.0	583.0	583.0	578.0
37.5°	446.8	452.2	458.5	464.0	468.6	472.3	472.8	473.4	472.8	472.3	468.6
40°	375.0	381.7	389.5	394.8	397.8	400.4	401.9	403.4	401.9	400.4	397.8
42.5°	307.4	314.4	322.2	327.6	330.6	331.8	327.8	323.8	327.8	331.8	330.6
45°	206.5	219.9	228.8	232.1	229.7	223.8	207.0	190.3	207.0	223.8	229.7
47.5°	97.1	120.3	143.9	148.5	134.0	118.6	100.2	81.8	100.2	118.6	134.0
50°	47.9	72.6	102.2	106.5	85.6	66.3	52.0	37.7	52.0	66.3	85.6
52.5°	28.1	48.6	74.1	76.1	54.4	36.4	29.2	22.1	29.2	36.4	54.4
55°	11.6	22.2	35.6	36.2	24.0	14.2	11.8	9.4	11.8	14.2	24.0
57.5°	5.0	8.8	13.6	13.9	9.6	6.1	4.8	3.5	4.8	6.1	9.6
60°	1.9	3.8	6.2	6.4	4.3	2.5	1.9	1.3	1.9	2.5	4.3
62.5°	0.9	1.8	3.0	3.1	1.9	1.0	0.6	0.3	0.6	1.0	1.9
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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: P1427628

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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: P1427628

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1	3711.2	3702.3	3689.2	3689.8
5°	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3	3592.1	3577.3	3557.8	3553.7
7.5°	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7	3322.0	3306.5	3285.0	3279.5
10°	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0	3064.0	3060.7	3053.5	3050.5
12.5°	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7	2774.3	2765.4	2754.6	2757.0
15°	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3	2315.6	2304.9	2290.6	2298.3
17.5°	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5	1871.4	1869.6	1866.9	1873.2
20°	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7	1591.2	1592.4	1594.5	1602.0
22.5°	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4	1365.4	1368.8	1374.0	1378.9
25°	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0	1084.3	1080.5	1073.3	1073.9
27.5°	881.4	878.2	879.0	879.9	881.1	882.3	881.1	879.9	879.0	878.2	881.4
30°	775.3	772.0	772.3	771.7	768.1	764.5	768.1	771.7	772.3	772.0	775.3
32.5°	689.6	684.5	682.9	680.8	677.2	673.6	677.2	680.8	682.9	684.5	689.6
35°	571.4	565.9	561.4	557.8	557.0	556.1	557.0	557.8	561.4	565.9	571.4
37.5°	464.0	458.5	452.2	446.8	444.5	442.2	444.5	446.8	452.2	458.5	464.0
40°	394.8	389.5	381.7	375.0	371.8	368.5	371.8	375.0	381.7	389.5	394.8
42.5°	327.6	322.2	314.4	307.4	302.4	297.5	302.4	307.4	314.4	322.2	327.6
45°	232.1	228.8	219.9	206.5	179.9	153.3	179.9	206.5	219.9	228.8	232.1
47.5°	148.5	143.9	120.3	97.1	75.0	52.8	75.0	97.1	120.3	143.9	148.5
50°	106.5	102.2	72.6	47.9	37.7	27.6	37.7	47.9	72.6	102.2	106.5
52.5°	76.1	74.1	48.6	28.1	22.7	17.3	22.7	28.1	48.6	74.1	76.1
55°	36.2	35.6	22.2	11.6	9.5	7.4	9.5	11.6	22.2	35.6	36.2
57.5°	13.9	13.6	8.8	5.0	3.9	2.8	3.9	5.0	8.8	13.6	13.9
60°	6.4	6.2	3.8	1.9	1.3	0.7	1.3	1.9	3.8	6.2	6.4
62.5°	3.1	3.0	1.8	0.9	0.5	0.1	0.5	0.9	1.8	3.0	3.1
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
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: P1427628

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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: P1427628

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3731.0	3731.0	3731.0	3731.0
2.5°	3704.1	3716.4	3722.7	3728.9
5°	3564.7	3575.2	3583.8	3592.5
7.5°	3290.0	3297.2	3294.4	3291.6
10°	3051.7	3052.1	3050.0	3047.9
12.5°	2772.5	2782.1	2773.8	2765.5
15°	2328.2	2347.3	2333.8	2320.4
17.5°	1888.4	1900.2	1901.6	1903.0
20°	1614.8	1625.0	1627.1	1629.2
22.5°	1383.3	1387.6	1391.1	1394.6
25°	1082.3	1091.4	1102.8	1114.1
27.5°	888.5	893.9	894.1	894.3
30°	782.2	787.9	790.0	792.1
32.5°	698.1	704.1	702.6	701.2
35°	578.0	583.0	583.0	583.0
37.5°	468.6	472.3	472.8	473.4
40°	397.8	400.4	401.9	403.4
42.5°	330.6	331.8	327.8	323.8
45°	229.7	223.8	207.0	190.3
47.5°	134.0	118.6	100.2	81.8
50°	85.6	66.3	52.0	37.7
52.5°	54.4	36.4	29.2	22.1
55°	24.0	14.2	11.8	9.4
57.5°	9.6	6.1	4.8	3.5
60°	4.3	2.5	1.9	1.3
62.5°	1.9	1.0	0.6	0.3
65°	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	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: P1427628

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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: P1427628

CATALOG NUMBER: SQ2W-BBN-K-125U-050D-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