

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: P1427631

Luminaire Tested: SQ2W-BBN-K-125U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427631
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-075D-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 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

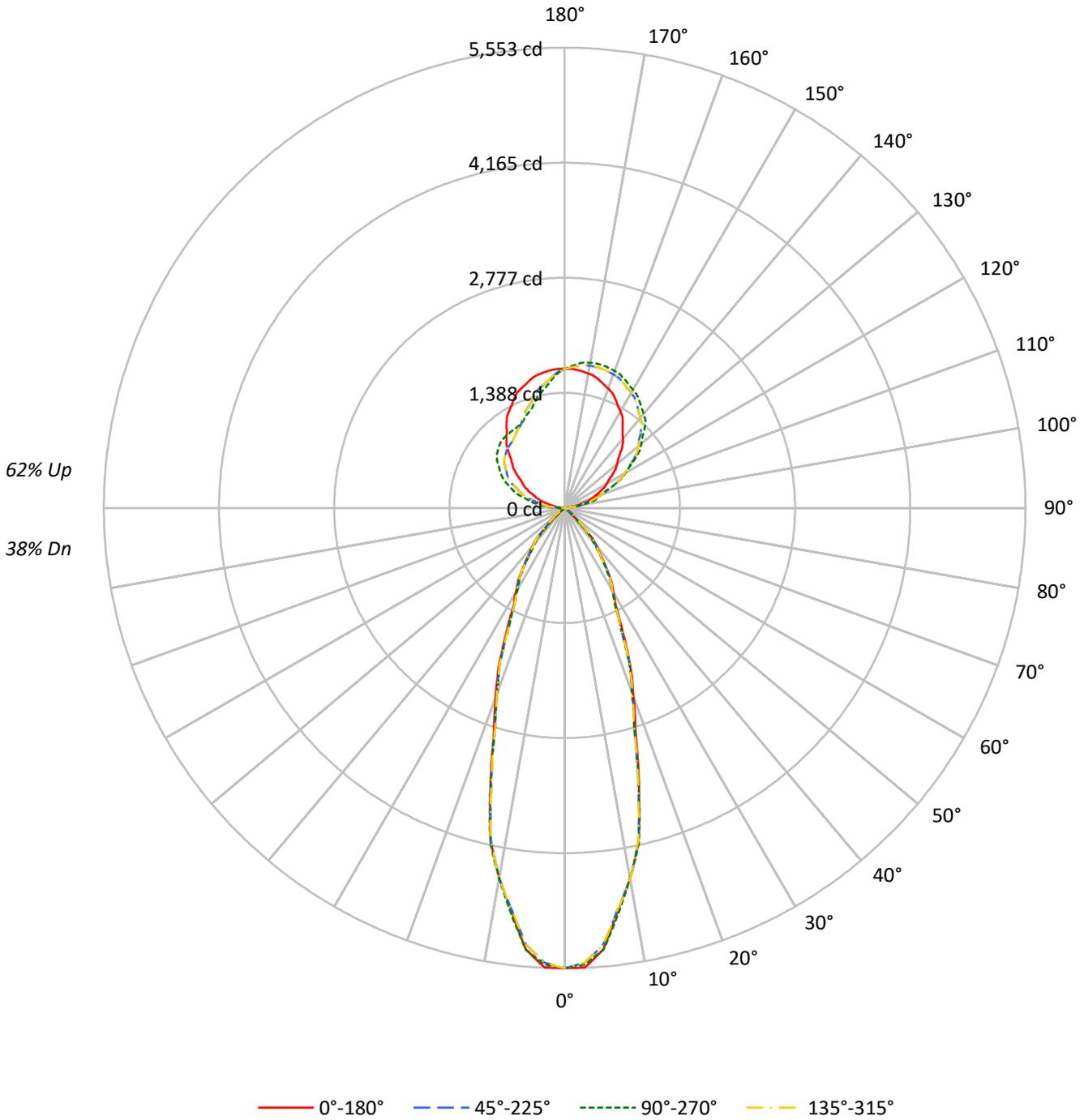
Lumens per Lamp: N/A
Luminaire Lumens: 7910.7 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 71.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	97	93	90	87	88	85	83	80	70	68	67	56	55	54	43	42	42	36
2	90	84	79	75	82	77	73	69	64	61	59	52	50	48	40	39	38	33
3	84	76	70	65	76	70	65	61	58	55	52	48	46	44	38	37	36	31
4	78	69	63	58	71	64	58	54	54	50	47	44	42	40	36	34	33	29
5	73	63	56	51	67	58	53	48	50	46	42	41	39	37	34	32	31	28
6	68	58	51	46	62	54	48	44	46	42	39	39	36	34	32	30	29	26
7	64	53	47	42	59	50	44	40	43	39	35	36	33	31	30	28	27	24
8	60	49	43	38	55	46	40	37	40	36	33	34	31	29	29	27	25	23
9	56	46	40	35	52	43	37	34	37	33	30	32	29	27	27	25	24	22
10	53	43	37	33	49	40	35	31	35	31	28	30	28	25	26	24	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	89661	89661	89661	89661
5°	86662	86710	86662	86710
10°	74374	74374	74374	74374
15°	57727	57594	57727	57594
20°	41664	40769	41664	40769
25°	29542	28418	29542	28418
30°	21979	21214	21979	21214
35°	17102	16312	17102	16312
40°	12656	11558	12656	11558
45°	6466	5211	6466	5211
50°	1407	1030	1407	1030
55°	394	310	394	310
60°	65	32	65	32
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: 7889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.2	6.1
10°-20°	946.8	12.0
20°-30°	763.7	9.7
30°-40°	530.5	6.7
40°-50°	245.1	3.1
50°-60°	34.3	0.4
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	8.9	0.1
90°-100°	133.6	1.7
100°-110°	389.6	4.9
110°-120°	635.9	8.0
120°-130°	806.9	10.2
130°-140°	863.4	10.9
140°-150°	806.2	10.2
150°-160°	663.4	8.4
160°-170°	444.9	5.6
170°-180°	158.0	2.0
0°-30°	2190.7	27.7
0°-40°	2721.2	34.4
0°-60°	3000.6	37.9
0°-90°	3010.7	38.1
90°-120°	1159.2	14.7
90°-150°	3635.7	46.0
90°-180°	4902.0	62.0
0°-180°	7910.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5553	5553	5553	5553	5553	
5°	5347	5350	5347	5350	5347	481
15°	3454	3446	3454	3446	3454	951
25°	1658	1595	1658	1595	1658	776
35°	868	828	868	828	868	543
45°	283	228	283	228	283	229
55°	14	11	14	11	14	18
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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5550.1	5540.8	5531.6	5513.2	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7
5°	5347.1	5334.2	5321.3	5305.7	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3
7.5°	4899.2	4903.3	4907.5	4896.8	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1
10°	4536.5	4539.6	4542.7	4542.1	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5
12.5°	4116.2	4128.5	4140.9	4126.6	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3
15°	3453.6	3473.7	3493.7	3465.3	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1
17.5°	2832.4	2830.3	2828.3	2810.8	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1
20°	2424.9	2421.7	2418.6	2403.5	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6
22.5°	2075.8	2070.5	2065.3	2059.0	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2
25°	1658.3	1641.4	1624.5	1610.9	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6
27.5°	1331.0	1330.8	1330.5	1322.5	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4
30°	1178.9	1175.8	1172.7	1164.2	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2
32.5°	1043.6	1045.8	1048.0	1039.1	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9
35°	867.7	867.7	867.7	860.3	850.5	842.3	835.6	830.3	829.0	827.6	829.0
37.5°	704.5	703.7	702.9	697.5	690.6	682.4	673.0	665.0	661.6	658.1	661.6
40°	600.5	598.2	596.0	592.1	587.7	579.7	568.1	558.2	553.3	548.4	553.3
42.5°	482.0	487.9	493.9	492.0	487.6	479.6	468.0	457.5	450.1	442.7	450.1
45°	283.2	308.1	333.0	341.9	345.5	340.6	327.3	307.3	267.8	228.2	267.8
47.5°	121.7	149.1	176.5	199.5	221.0	214.2	179.1	144.5	111.6	78.7	111.6
50°	56.0	77.4	98.7	127.4	158.6	152.1	108.1	71.3	56.2	41.0	56.2
52.5°	32.8	43.5	54.2	81.0	113.2	110.3	72.3	41.8	33.8	25.8	33.8
55°	14.0	17.6	21.1	35.7	53.9	53.0	33.0	17.2	14.1	11.0	14.1
57.5°	5.2	7.2	9.1	14.3	20.7	20.3	13.1	7.4	5.8	4.2	5.8
60°	2.0	2.9	3.8	6.3	9.5	9.2	5.7	2.8	1.9	1.0	1.9
62.5°	0.4	0.9	1.5	2.9	4.6	4.5	2.7	1.3	0.7	0.2	0.7
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5523.7	5510.6	5491.0	5491.9	5513.2	5531.6	5540.8	5550.1	5540.8	5531.6	5513.2
5°	5346.5	5324.4	5295.5	5289.3	5305.7	5321.3	5334.2	5347.1	5334.2	5321.3	5305.7
7.5°	4944.5	4921.4	4889.3	4881.2	4896.8	4907.5	4903.3	4899.2	4903.3	4907.5	4896.8
10°	4560.5	4555.5	4544.8	4540.4	4542.1	4542.7	4539.6	4536.5	4539.6	4542.7	4542.1
12.5°	4129.2	4116.0	4099.9	4103.5	4126.6	4140.9	4128.5	4116.2	4128.5	4140.9	4126.6
15°	3446.5	3430.6	3409.3	3420.8	3465.3	3493.7	3473.7	3453.6	3473.7	3493.7	3465.3
17.5°	2785.4	2782.7	2778.7	2788.1	2810.8	2828.3	2830.3	2832.4	2830.3	2828.3	2810.8
20°	2368.4	2370.2	2373.3	2384.4	2403.5	2418.6	2421.7	2424.9	2421.7	2418.6	2403.5
22.5°	2032.3	2037.4	2045.1	2052.3	2059.0	2065.3	2070.5	2075.8	2070.5	2065.3	2059.0
25°	1613.9	1608.2	1597.6	1598.4	1610.9	1624.5	1641.4	1658.3	1641.4	1624.5	1610.9
27.5°	1309.6	1308.3	1307.2	1311.9	1322.5	1330.5	1330.8	1331.0	1330.8	1330.5	1322.5
30°	1148.5	1149.5	1149.1	1154.0	1164.2	1172.7	1175.8	1178.9	1175.8	1172.7	1164.2
32.5°	1013.2	1016.4	1018.8	1026.3	1039.1	1048.0	1045.8	1043.6	1045.8	1048.0	1039.1
35°	830.3	835.6	842.3	850.5	860.3	867.7	867.7	867.7	867.7	867.7	860.3
37.5°	665.0	673.0	682.4	690.6	697.5	702.9	703.7	704.5	703.7	702.9	697.5
40°	558.2	568.1	579.7	587.7	592.1	596.0	598.2	600.5	598.2	596.0	592.1
42.5°	457.5	468.0	479.6	487.6	492.0	493.9	487.9	482.0	487.9	493.9	492.0
45°	307.3	327.3	340.6	345.5	341.9	333.0	308.1	283.2	308.1	333.0	341.9
47.5°	144.5	179.1	214.2	221.0	199.5	176.5	149.1	121.7	149.1	176.5	199.5
50°	71.3	108.1	152.1	158.6	127.4	98.7	77.4	56.0	77.4	98.7	127.4
52.5°	41.8	72.3	110.3	113.2	81.0	54.2	43.5	32.8	43.5	54.2	81.0
55°	17.2	33.0	53.0	53.9	35.7	21.1	17.6	14.0	17.6	21.1	35.7
57.5°	7.4	13.1	20.3	20.7	14.3	9.1	7.2	5.2	7.2	9.1	14.3
60°	2.8	5.7	9.2	9.5	6.3	3.8	2.9	2.0	2.9	3.8	6.3
62.5°	1.3	2.7	4.5	4.6	2.9	1.5	0.9	0.4	0.9	1.5	2.9
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3
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°	7.1	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: P1427631

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-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: P1427631

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7	5523.7	5510.6	5491.0	5491.9
5°	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3	5346.5	5324.4	5295.5	5289.3
7.5°	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1	4944.5	4921.4	4889.3	4881.2
10°	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5	4560.5	4555.5	4544.8	4540.4
12.5°	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3	4129.2	4116.0	4099.9	4103.5
15°	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1	3446.5	3430.6	3409.3	3420.8
17.5°	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1	2785.4	2782.7	2778.7	2788.1
20°	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6	2368.4	2370.2	2373.3	2384.4
22.5°	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2	2032.3	2037.4	2045.1	2052.3
25°	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6	1613.9	1608.2	1597.6	1598.4
27.5°	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4	1309.6	1308.3	1307.2	1311.9
30°	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2	1148.5	1149.5	1149.1	1154.0
32.5°	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9	1013.2	1016.4	1018.8	1026.3
35°	850.5	842.3	835.6	830.3	829.0	827.6	829.0	830.3	835.6	842.3	850.5
37.5°	690.6	682.4	673.0	665.0	661.6	658.1	661.6	665.0	673.0	682.4	690.6
40°	587.7	579.7	568.1	558.2	553.3	548.4	553.3	558.2	568.1	579.7	587.7
42.5°	487.6	479.6	468.0	457.5	450.1	442.7	450.1	457.5	468.0	479.6	487.6
45°	345.5	340.6	327.3	307.3	267.8	228.2	267.8	307.3	327.3	340.6	345.5
47.5°	221.0	214.2	179.1	144.5	111.6	78.7	111.6	144.5	179.1	214.2	221.0
50°	158.6	152.1	108.1	71.3	56.2	41.0	56.2	71.3	108.1	152.1	158.6
52.5°	113.2	110.3	72.3	41.8	33.8	25.8	33.8	41.8	72.3	110.3	113.2
55°	53.9	53.0	33.0	17.2	14.1	11.0	14.1	17.2	33.0	53.0	53.9
57.5°	20.7	20.3	13.1	7.4	5.8	4.2	5.8	7.4	13.1	20.3	20.7
60°	9.5	9.2	5.7	2.8	1.9	1.0	1.9	2.8	5.7	9.2	9.5
62.5°	4.6	4.5	2.7	1.3	0.7	0.2	0.7	1.3	2.7	4.5	4.6
65°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3	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°	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: P1427631

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-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: P1427631

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5553.3	5553.3	5553.3	5553.3
2.5°	5513.2	5531.6	5540.8	5550.1
5°	5305.7	5321.3	5334.2	5347.1
7.5°	4896.8	4907.5	4903.3	4899.2
10°	4542.1	4542.7	4539.6	4536.5
12.5°	4126.6	4140.9	4128.5	4116.2
15°	3465.3	3493.7	3473.7	3453.6
17.5°	2810.8	2828.3	2830.3	2832.4
20°	2403.5	2418.6	2421.7	2424.9
22.5°	2059.0	2065.3	2070.5	2075.8
25°	1610.9	1624.5	1641.4	1658.3
27.5°	1322.5	1330.5	1330.8	1331.0
30°	1164.2	1172.7	1175.8	1178.9
32.5°	1039.1	1048.0	1045.8	1043.6
35°	860.3	867.7	867.7	867.7
37.5°	697.5	702.9	703.7	704.5
40°	592.1	596.0	598.2	600.5
42.5°	492.0	493.9	487.9	482.0
45°	341.9	333.0	308.1	283.2
47.5°	199.5	176.5	149.1	121.7
50°	127.4	98.7	77.4	56.0
52.5°	81.0	54.2	43.5	32.8
55°	35.7	21.1	17.6	14.0
57.5°	14.3	9.1	7.2	5.2
60°	6.3	3.8	2.9	2.0
62.5°	2.9	1.5	0.9	0.4
65°	0.3	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: P1427631

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-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: P1427631

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-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