

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: P1427634

Luminaire Tested: SQ2W-BBN-K-125U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427634
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-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

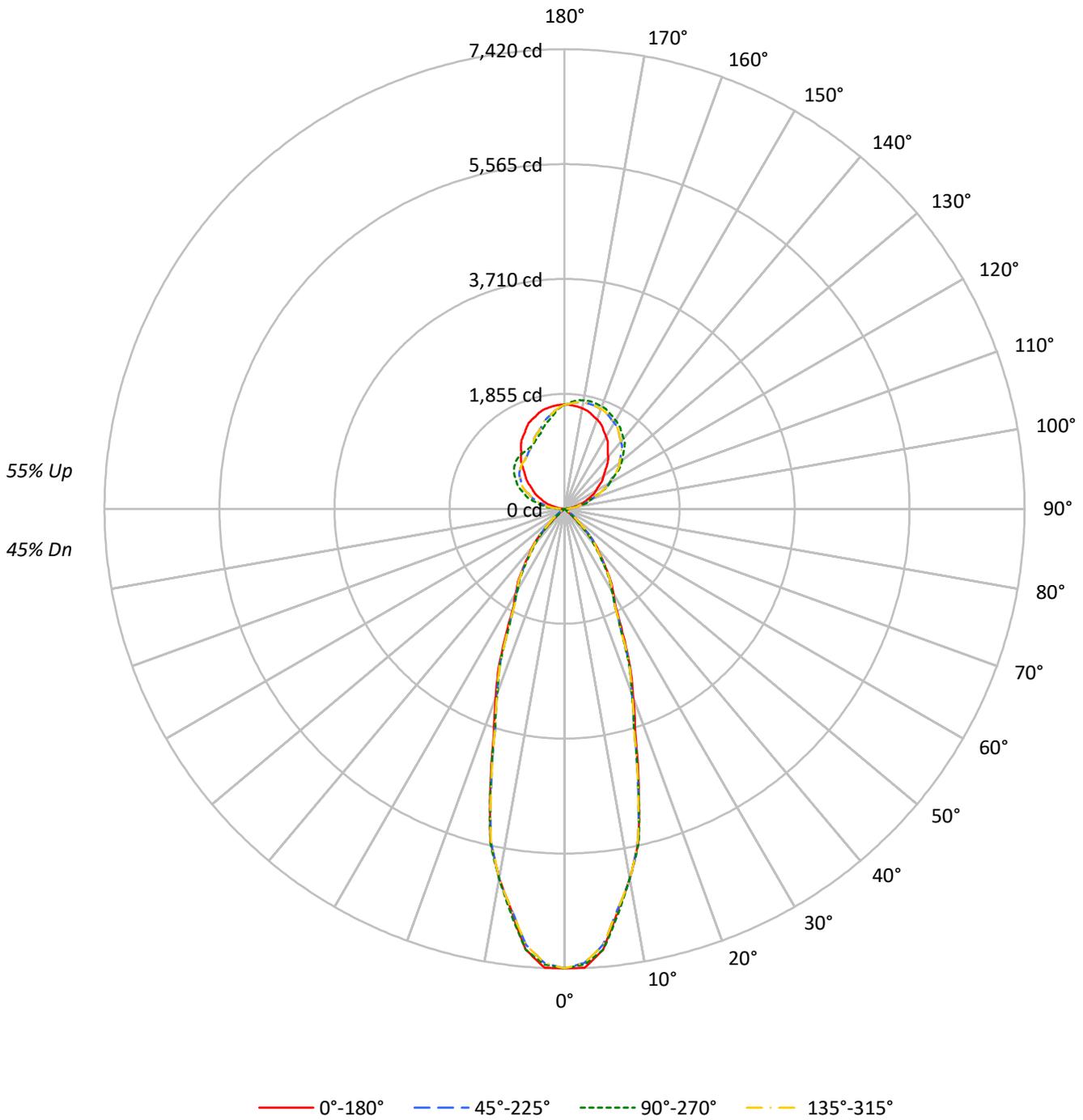
Lumens per Lamp: N/A
Luminaire Lumens: 8919.6 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.1
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

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CATALOG NUMBER: SQ2W-BBN-K-125U-100D-L935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	65	65	65	52	52	52	45
1	99	95	92	90	91	88	85	83	74	72	71	61	60	59	49	48	48	42
2	92	86	81	77	85	80	76	72	68	65	63	57	55	53	46	45	44	40
3	86	78	73	68	79	73	68	64	62	59	56	53	50	48	44	42	41	37
4	80	72	65	61	74	67	61	57	58	54	51	49	47	44	41	40	38	35
5	75	66	59	54	69	61	56	52	53	49	46	46	43	41	39	37	36	33
6	70	61	54	49	65	57	51	47	50	45	42	43	40	38	37	35	33	31
7	66	56	49	45	61	53	47	43	46	42	39	41	37	35	35	33	31	29
8	62	52	46	41	58	49	43	40	44	39	36	38	35	33	33	31	30	27
9	59	49	42	38	55	46	40	37	41	37	34	36	33	31	32	29	28	26
10	56	45	39	35	52	43	38	34	39	34	31	34	31	29	30	28	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	119797	119797	119797	119797
5°	115789	115854	115789	115854
10°	99371	99371	99371	99371
15°	77132	76953	77132	76953
20°	55667	54473	55667	54473
25°	39470	37970	39470	37970
30°	29365	28343	29365	28343
35°	22850	21795	22850	21795
40°	16910	15445	16910	15445
45°	8640	6962	8640	6962
50°	1881	1376	1881	1376
55°	526	414	526	414
60°	87	42	87	42
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 10540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.6	7.2
10°-20°	1265.0	14.2
20°-30°	1020.4	11.4
30°-40°	708.9	7.9
40°-50°	327.4	3.7
50°-60°	45.9	0.5
60°-70°	1.6	0.0
70°-80°	0.0	0.0
80°-90°	8.9	0.1
90°-100°	133.6	1.5
100°-110°	389.6	4.4
110°-120°	635.9	7.1
120°-130°	806.9	9.0
130°-140°	863.4	9.7
140°-150°	806.2	9.0
150°-160°	663.4	7.4
160°-170°	444.9	5.0
170°-180°	158.0	1.8
0°-30°	2927.0	32.8
0°-40°	3635.8	40.8
0°-60°	4009.1	44.9
0°-90°	4019.6	45.1
90°-120°	1159.2	13.0
90°-150°	3635.7	40.8
90°-180°	4902.0	55.0
0°-180°	8919.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7420	7420	7420	7420	7420	
5°	7144	7148	7144	7148	7144	642
15°	4614	4604	4614	4604	4614	1270
25°	2216	2131	2216	2131	2216	1037
35°	1159	1106	1159	1106	1159	725
45°	378	305	378	305	378	306
55°	19	15	19	15	19	24
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	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°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7415.5	7403.1	7390.8	7366.3	7337.8	7336.6	7362.7	7380.3	7372.2	7364.2	7372.2
5°	7144.3	7127.1	7109.9	7089.1	7067.1	7075.4	7114.0	7143.6	7146.0	7148.3	7146.0
7.5°	6545.8	6551.4	6557.0	6542.7	6521.8	6532.7	6575.5	6606.4	6601.8	6597.2	6601.8
10°	6061.2	6065.4	6069.6	6068.8	6066.4	6072.4	6086.7	6093.3	6077.3	6061.2	6077.3
12.5°	5499.7	5516.2	5532.7	5513.6	5482.7	5478.0	5499.4	5517.1	5523.9	5530.7	5523.9
15°	4614.5	4641.2	4668.0	4630.1	4570.6	4555.2	4583.7	4605.0	4604.4	4603.8	4604.4
17.5°	3784.4	3781.6	3778.9	3755.5	3725.2	3712.7	3718.0	3721.6	3719.8	3718.0	3719.8
20°	3239.9	3235.7	3231.6	3211.4	3185.8	3170.9	3166.8	3164.4	3167.4	3170.4	3167.4
22.5°	2773.5	2766.5	2759.5	2751.0	2742.1	2732.5	2722.1	2715.4	2719.3	2723.2	2719.3
25°	2215.6	2193.1	2170.5	2152.3	2135.7	2134.5	2148.8	2156.4	2143.9	2131.4	2143.9
27.5°	1778.4	1778.0	1777.7	1767.0	1752.8	1746.5	1748.1	1749.8	1752.2	1754.6	1752.2
30°	1575.1	1571.0	1566.8	1555.5	1541.9	1535.3	1535.9	1534.6	1527.5	1520.3	1527.5
32.5°	1394.4	1397.3	1400.3	1388.3	1371.3	1361.2	1358.0	1353.8	1346.7	1339.5	1346.7
35°	1159.3	1159.3	1159.3	1149.5	1136.4	1125.4	1116.5	1109.4	1107.6	1105.8	1107.6
37.5°	941.3	940.3	939.2	932.0	922.7	911.8	899.2	888.6	883.9	879.3	883.9
40°	802.3	799.3	796.3	791.1	785.2	774.5	759.0	745.8	739.3	732.8	739.3
42.5°	644.0	651.9	659.9	657.4	651.5	640.8	625.3	611.3	601.4	591.6	601.4
45°	378.4	411.7	445.0	456.9	461.6	455.1	437.2	410.7	357.8	304.9	357.8
47.5°	162.6	199.2	235.8	266.5	295.3	286.2	239.3	193.1	149.1	105.1	149.1
50°	74.9	103.4	131.9	170.3	211.9	203.2	144.4	95.2	75.0	54.8	75.0
52.5°	43.9	58.1	72.4	108.2	151.2	147.4	96.6	55.9	45.2	34.5	45.2
55°	18.7	23.5	28.2	47.7	72.1	70.9	44.1	23.0	18.9	14.7	18.9
57.5°	7.0	9.6	12.2	19.2	27.6	27.1	17.6	9.9	7.8	5.6	7.8
60°	2.7	3.9	5.1	8.5	12.6	12.3	7.6	3.7	2.5	1.3	2.5
62.5°	0.5	1.2	2.0	3.8	6.1	6.0	3.7	1.7	1.0	0.3	1.0
65°	0.0	0.0	0.0	0.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7380.3	7362.7	7336.6	7337.8	7366.3	7390.8	7403.1	7415.5	7403.1	7390.8	7366.3
5°	7143.6	7114.0	7075.4	7067.1	7089.1	7109.9	7127.1	7144.3	7127.1	7109.9	7089.1
7.5°	6606.4	6575.5	6532.7	6521.8	6542.7	6557.0	6551.4	6545.8	6551.4	6557.0	6542.7
10°	6093.3	6086.7	6072.4	6066.4	6068.8	6069.6	6065.4	6061.2	6065.4	6069.6	6068.8
12.5°	5517.1	5499.4	5478.0	5482.7	5513.6	5532.7	5516.2	5499.7	5516.2	5532.7	5513.6
15°	4605.0	4583.7	4555.2	4570.6	4630.1	4668.0	4641.2	4614.5	4641.2	4668.0	4630.1
17.5°	3721.6	3718.0	3712.7	3725.2	3755.5	3778.9	3781.6	3784.4	3781.6	3778.9	3755.5
20°	3164.4	3166.8	3170.9	3185.8	3211.4	3231.6	3235.7	3239.9	3235.7	3231.6	3211.4
22.5°	2715.4	2722.1	2732.5	2742.1	2751.0	2759.5	2766.5	2773.5	2766.5	2759.5	2751.0
25°	2156.4	2148.8	2134.5	2135.7	2152.3	2170.5	2193.1	2215.6	2193.1	2170.5	2152.3
27.5°	1749.8	1748.1	1746.5	1752.8	1767.0	1777.7	1778.0	1778.4	1778.0	1777.7	1767.0
30°	1534.6	1535.9	1535.3	1541.9	1555.5	1566.8	1571.0	1575.1	1571.0	1566.8	1555.5
32.5°	1353.8	1358.0	1361.2	1371.3	1388.3	1400.3	1397.3	1394.4	1397.3	1400.3	1388.3
35°	1109.4	1116.5	1125.4	1136.4	1149.5	1159.3	1159.3	1159.3	1159.3	1159.3	1149.5
37.5°	888.6	899.2	911.8	922.7	932.0	939.2	940.3	941.3	940.3	939.2	932.0
40°	745.8	759.0	774.5	785.2	791.1	796.3	799.3	802.3	799.3	796.3	791.1
42.5°	611.3	625.3	640.8	651.5	657.4	659.9	651.9	644.0	651.9	659.9	657.4
45°	410.7	437.2	455.1	461.6	456.9	445.0	411.7	378.4	411.7	445.0	456.9
47.5°	193.1	239.3	286.2	295.3	266.5	235.8	199.2	162.6	199.2	235.8	266.5
50°	95.2	144.4	203.2	211.9	170.3	131.9	103.4	74.9	103.4	131.9	170.3
52.5°	55.9	96.6	147.4	151.2	108.2	72.4	58.1	43.9	58.1	72.4	108.2
55°	23.0	44.1	70.9	72.1	47.7	28.2	23.5	18.7	23.5	28.2	47.7
57.5°	9.9	17.6	27.1	27.6	19.2	12.2	9.6	7.0	9.6	12.2	19.2
60°	3.7	7.6	12.3	12.6	8.5	5.1	3.9	2.7	3.9	5.1	8.5
62.5°	1.7	3.7	6.0	6.1	3.8	2.0	1.2	0.5	1.2	2.0	3.8
65°	0.0	0.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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: P1427634

CATALOG NUMBER: SQ2W-BBN-K-125U-100D-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: P1427634

CATALOG NUMBER: SQ2W-BBN-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7337.8	7336.6	7362.7	7380.3	7372.2	7364.2	7372.2	7380.3	7362.7	7336.6	7337.8
5°	7067.1	7075.4	7114.0	7143.6	7146.0	7148.3	7146.0	7143.6	7114.0	7075.4	7067.1
7.5°	6521.8	6532.7	6575.5	6606.4	6601.8	6597.2	6601.8	6606.4	6575.5	6532.7	6521.8
10°	6066.4	6072.4	6086.7	6093.3	6077.3	6061.2	6077.3	6093.3	6086.7	6072.4	6066.4
12.5°	5482.7	5478.0	5499.4	5517.1	5523.9	5530.7	5523.9	5517.1	5499.4	5478.0	5482.7
15°	4570.6	4555.2	4583.7	4605.0	4604.4	4603.8	4604.4	4605.0	4583.7	4555.2	4570.6
17.5°	3725.2	3712.7	3718.0	3721.6	3719.8	3718.0	3719.8	3721.6	3718.0	3712.7	3725.2
20°	3185.8	3170.9	3166.8	3164.4	3167.4	3170.4	3167.4	3164.4	3166.8	3170.9	3185.8
22.5°	2742.1	2732.5	2722.1	2715.4	2719.3	2723.2	2719.3	2715.4	2722.1	2732.5	2742.1
25°	2135.7	2134.5	2148.8	2156.4	2143.9	2131.4	2143.9	2156.4	2148.8	2134.5	2135.7
27.5°	1752.8	1746.5	1748.1	1749.8	1752.2	1754.6	1752.2	1749.8	1748.1	1746.5	1752.8
30°	1541.9	1535.3	1535.9	1534.6	1527.5	1520.3	1527.5	1534.6	1535.9	1535.3	1541.9
32.5°	1371.3	1361.2	1358.0	1353.8	1346.7	1339.5	1346.7	1353.8	1358.0	1361.2	1371.3
35°	1136.4	1125.4	1116.5	1109.4	1107.6	1105.8	1107.6	1109.4	1116.5	1125.4	1136.4
37.5°	922.7	911.8	899.2	888.6	883.9	879.3	883.9	888.6	899.2	911.8	922.7
40°	785.2	774.5	759.0	745.8	739.3	732.8	739.3	745.8	759.0	774.5	785.2
42.5°	651.5	640.8	625.3	611.3	601.4	591.6	601.4	611.3	625.3	640.8	651.5
45°	461.6	455.1	437.2	410.7	357.8	304.9	357.8	410.7	437.2	455.1	461.6
47.5°	295.3	286.2	239.3	193.1	149.1	105.1	149.1	193.1	239.3	286.2	295.3
50°	211.9	203.2	144.4	95.2	75.0	54.8	75.0	95.2	144.4	203.2	211.9
52.5°	151.2	147.4	96.6	55.9	45.2	34.5	45.2	55.9	96.6	147.4	151.2
55°	72.1	70.9	44.1	23.0	18.9	14.7	18.9	23.0	44.1	70.9	72.1
57.5°	27.6	27.1	17.6	9.9	7.8	5.6	7.8	9.9	17.6	27.1	27.6
60°	12.6	12.3	7.6	3.7	2.5	1.3	2.5	3.7	7.6	12.3	12.6
62.5°	6.1	6.0	3.7	1.7	1.0	0.3	1.0	1.7	3.7	6.0	6.1
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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: P1427634

CATALOG NUMBER: SQ2W-BBN-K-125U-100D-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: P1427634

CATALOG NUMBER: SQ2W-BBN-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7419.8	7419.8	7419.8	7419.8
2.5°	7366.3	7390.8	7403.1	7415.5
5°	7089.1	7109.9	7127.1	7144.3
7.5°	6542.7	6557.0	6551.4	6545.8
10°	6068.8	6069.6	6065.4	6061.2
12.5°	5513.6	5532.7	5516.2	5499.7
15°	4630.1	4668.0	4641.2	4614.5
17.5°	3755.5	3778.9	3781.6	3784.4
20°	3211.4	3231.6	3235.7	3239.9
22.5°	2751.0	2759.5	2766.5	2773.5
25°	2152.3	2170.5	2193.1	2215.6
27.5°	1767.0	1777.7	1778.0	1778.4
30°	1555.5	1566.8	1571.0	1575.1
32.5°	1388.3	1400.3	1397.3	1394.4
35°	1149.5	1159.3	1159.3	1159.3
37.5°	932.0	939.2	940.3	941.3
40°	791.1	796.3	799.3	802.3
42.5°	657.4	659.9	651.9	644.0
45°	456.9	445.0	411.7	378.4
47.5°	266.5	235.8	199.2	162.6
50°	170.3	131.9	103.4	74.9
52.5°	108.2	72.4	58.1	43.9
55°	47.7	28.2	23.5	18.7
57.5°	19.2	12.2	9.6	7.0
60°	8.5	5.1	3.9	2.7
62.5°	3.8	2.0	1.2	0.5
65°	0.4	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	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: P1427634

CATALOG NUMBER: SQ2W-BBN-K-125U-100D-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: P1427634
 CATALOG NUMBER: SQ2W-BBN-K-125U-100D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00