

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: P1427550

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427550
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-125U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-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

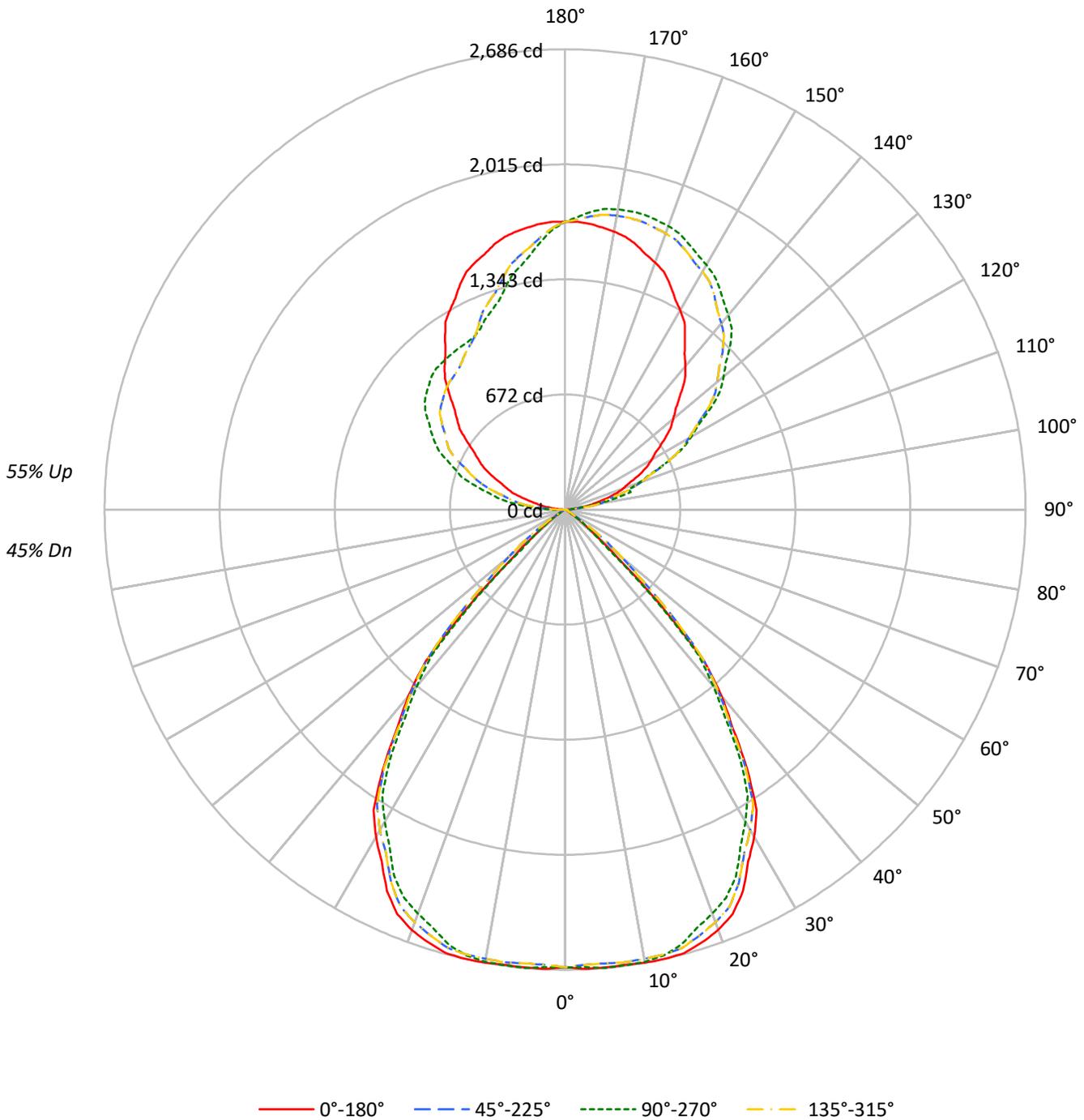
Lumens per Lamp: N/A
Luminaire Lumens: 8901.2 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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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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	51	51	51	45
1	98	95	92	89	90	87	85	82	73	71	70	60	59	58	48	47	47	41
2	91	85	80	76	84	78	74	70	66	63	61	55	53	51	45	43	42	38
3	84	76	70	65	78	71	66	61	60	56	53	50	48	46	41	40	38	34
4	78	69	62	57	72	64	58	54	55	51	47	46	43	41	38	36	35	31
5	73	62	55	50	67	58	52	47	50	46	42	43	39	37	36	33	32	28
6	67	57	50	45	62	53	47	42	46	41	38	39	36	33	33	31	29	26
7	63	52	45	40	58	49	42	38	42	37	34	36	33	30	31	28	26	24
8	59	48	41	36	54	45	38	34	39	34	31	34	30	27	29	26	24	22
9	55	44	37	32	51	41	35	31	36	31	28	31	28	25	27	24	22	20
10	51	40	34	29	48	38	32	28	33	29	26	29	25	23	25	22	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43123	43123	43123	43123
5°	43461	43526	43461	43526
10°	44006	43941	44006	43941
15°	44800	43907	44800	43907
20°	44858	43112	44858	43112
25°	43749	42035	43749	42035
30°	41125	39207	41125	39207
35°	36501	35131	36501	35131
40°	29935	28329	29935	28329
45°	17846	16748	17846	16748
50°	5571	5270	5571	5270
55°	2106	2106	2106	2106
60°	129	42	129	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: 20895 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	2.9
10°-20°	748.1	8.4
20°-30°	1100.5	12.4
30°-40°	1124.8	12.6
40°-50°	648.0	7.3
50°-60°	111.5	1.3
60°-70°	4.0	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	9.1
130°-140°	863.4	9.7
140°-150°	806.2	9.1
150°-160°	663.4	7.5
160°-170°	444.9	5.0
170°-180°	158.0	1.8
0°-30°	2104.0	23.6
0°-40°	3228.8	36.3
0°-60°	3988.3	44.8
0°-90°	4001.2	45.0
90°-120°	1159.2	13.0
90°-150°	3635.7	40.8
90°-180°	4902.0	55.1
0°-180°	8901.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2682	2686	2682	2686	2682	256
15°	2680	2627	2680	2627	2680	755
25°	2456	2360	2456	2360	2456	1121
35°	1852	1782	1852	1782	1852	1144
45°	782	734	782	734	782	605
55°	75	75	75	75	75	79
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°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2682.6	2679.3	2676.0	2668.0	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4
5°	2681.6	2678.6	2675.6	2667.3	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8
7.5°	2680.0	2678.0	2675.9	2670.1	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3
10°	2684.2	2683.7	2683.1	2674.0	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2
12.5°	2686.4	2690.1	2693.8	2680.8	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6
15°	2680.2	2690.3	2700.4	2682.0	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5
17.5°	2650.3	2664.6	2678.8	2654.5	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4
20°	2610.8	2627.4	2644.0	2617.4	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7
22.5°	2555.2	2570.4	2585.6	2560.1	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2
25°	2455.8	2465.9	2476.0	2450.0	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7
27.5°	2314.9	2317.8	2320.6	2300.0	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6
30°	2205.9	2205.9	2205.9	2189.9	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1
32.5°	2078.7	2077.3	2075.9	2064.1	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4
35°	1851.9	1858.4	1864.9	1856.8	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3
37.5°	1606.3	1608.8	1611.3	1604.5	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9
40°	1420.3	1420.9	1421.5	1413.2	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4
42.5°	1203.3	1215.3	1227.3	1222.2	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4
45°	781.6	834.5	887.3	906.8	915.1	908.6	887.2	855.9	794.7	733.5	794.7
47.5°	392.8	458.6	524.4	570.0	608.8	597.8	536.8	475.0	410.2	345.5	410.2
50°	221.8	261.0	300.2	361.2	429.5	418.2	327.3	253.7	231.7	209.8	231.7
52.5°	148.0	165.4	182.7	231.9	291.6	287.7	220.1	166.3	153.8	141.4	153.8
55°	74.8	79.6	84.3	106.0	133.3	132.7	104.2	81.9	78.4	74.8	78.4
57.5°	25.4	31.8	38.2	47.8	58.5	58.8	48.7	39.7	33.9	28.1	33.9
60°	4.0	9.9	15.9	23.6	31.9	31.0	20.9	12.0	6.7	1.3	6.7
62.5°	0.8	2.5	4.1	10.4	18.3	18.1	9.9	3.4	1.8	0.3	1.8
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°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2677.8	2670.2	2659.2	2658.5	2668.0	2676.0	2679.3	2682.6	2679.3	2676.0	2668.0
5°	2688.0	2676.2	2660.2	2657.2	2667.3	2675.6	2678.6	2681.6	2678.6	2675.6	2667.3
7.5°	2688.3	2679.2	2666.0	2663.0	2670.1	2675.9	2678.0	2680.0	2678.0	2675.9	2670.1
10°	2686.2	2676.7	2663.0	2662.1	2674.0	2683.1	2683.7	2684.2	2683.7	2683.1	2674.0
12.5°	2676.0	2669.2	2658.4	2662.2	2680.8	2693.8	2690.1	2686.4	2690.1	2693.8	2680.8
15°	2642.2	2642.8	2641.0	2654.1	2682.0	2700.4	2690.3	2680.2	2690.3	2700.4	2682.0
17.5°	2581.3	2588.9	2595.5	2617.3	2654.5	2678.8	2664.6	2650.3	2664.6	2678.8	2654.5
20°	2528.2	2539.1	2550.3	2576.5	2617.4	2644.0	2627.4	2610.8	2627.4	2644.0	2617.4
22.5°	2467.8	2480.3	2494.4	2521.0	2560.1	2585.6	2570.4	2555.2	2570.4	2585.6	2560.1
25°	2367.9	2376.9	2387.6	2412.0	2450.0	2476.0	2465.9	2455.8	2465.9	2476.0	2450.0
27.5°	2226.0	2237.3	2250.6	2271.5	2300.0	2320.6	2317.8	2314.9	2317.8	2320.6	2300.0
30°	2123.2	2136.4	2150.7	2168.5	2189.9	2205.9	2205.9	2205.9	2205.9	2205.9	2189.9
32.5°	2003.5	2017.8	2033.5	2048.9	2064.1	2075.9	2077.3	2078.7	2077.3	2075.9	2064.1
35°	1800.2	1814.0	1829.4	1843.7	1856.8	1864.9	1858.4	1851.9	1858.4	1864.9	1856.8
37.5°	1550.4	1564.8	1581.4	1594.6	1604.5	1611.3	1608.8	1606.3	1608.8	1611.3	1604.5
40°	1366.7	1378.4	1390.3	1401.9	1413.2	1421.5	1420.9	1420.3	1420.9	1421.5	1413.2
42.5°	1162.1	1177.5	1196.5	1211.4	1222.2	1227.3	1215.3	1203.3	1215.3	1227.3	1222.2
45°	855.9	887.2	908.6	915.1	906.8	887.3	834.5	781.6	834.5	887.3	906.8
47.5°	475.0	536.8	597.8	608.8	570.0	524.4	458.6	392.8	458.6	524.4	570.0
50°	253.7	327.3	418.2	429.5	361.2	300.2	261.0	221.8	261.0	300.2	361.2
52.5°	166.3	220.1	287.7	291.6	231.9	182.7	165.4	148.0	165.4	182.7	231.9
55°	81.9	104.2	132.7	133.3	106.0	84.3	79.6	74.8	79.6	84.3	106.0
57.5°	39.7	48.7	58.8	58.5	47.8	38.2	31.8	25.4	31.8	38.2	47.8
60°	12.0	20.9	31.0	31.9	23.6	15.9	9.9	4.0	9.9	15.9	23.6
62.5°	3.4	9.9	18.1	18.3	10.4	4.1	2.5	0.8	2.5	4.1	10.4
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: P1427550

CATALOG NUMBER: SQ2W-BBM-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: P1427550

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4	2677.8	2670.2	2659.2	2658.5
5°	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8	2688.0	2676.2	2660.2	2657.2
7.5°	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3	2688.3	2679.2	2666.0	2663.0
10°	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2	2686.2	2676.7	2663.0	2662.1
12.5°	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6	2676.0	2669.2	2658.4	2662.2
15°	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5	2642.2	2642.8	2641.0	2654.1
17.5°	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4	2581.3	2588.9	2595.5	2617.3
20°	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7	2528.2	2539.1	2550.3	2576.5
22.5°	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2	2467.8	2480.3	2494.4	2521.0
25°	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7	2367.9	2376.9	2387.6	2412.0
27.5°	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6	2226.0	2237.3	2250.6	2271.5
30°	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1	2123.2	2136.4	2150.7	2168.5
32.5°	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4	2003.5	2017.8	2033.5	2048.9
35°	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3	1800.2	1814.0	1829.4	1843.7
37.5°	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9	1550.4	1564.8	1581.4	1594.6
40°	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4	1366.7	1378.4	1390.3	1401.9
42.5°	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4	1162.1	1177.5	1196.5	1211.4
45°	915.1	908.6	887.2	855.9	794.7	733.5	794.7	855.9	887.2	908.6	915.1
47.5°	608.8	597.8	536.8	475.0	410.2	345.5	410.2	475.0	536.8	597.8	608.8
50°	429.5	418.2	327.3	253.7	231.7	209.8	231.7	253.7	327.3	418.2	429.5
52.5°	291.6	287.7	220.1	166.3	153.8	141.4	153.8	166.3	220.1	287.7	291.6
55°	133.3	132.7	104.2	81.9	78.4	74.8	78.4	81.9	104.2	132.7	133.3
57.5°	58.5	58.8	48.7	39.7	33.9	28.1	33.9	39.7	48.7	58.8	58.5
60°	31.9	31.0	20.9	12.0	6.7	1.3	6.7	12.0	20.9	31.0	31.9
62.5°	18.3	18.1	9.9	3.4	1.8	0.3	1.8	3.4	9.9	18.1	18.3
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: P1427550

CATALOG NUMBER: SQ2W-BBM-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: P1427550

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2670.9	2670.9	2670.9	2670.9
2.5°	2668.0	2676.0	2679.3	2682.6
5°	2667.3	2675.6	2678.6	2681.6
7.5°	2670.1	2675.9	2678.0	2680.0
10°	2674.0	2683.1	2683.7	2684.2
12.5°	2680.8	2693.8	2690.1	2686.4
15°	2682.0	2700.4	2690.3	2680.2
17.5°	2654.5	2678.8	2664.6	2650.3
20°	2617.4	2644.0	2627.4	2610.8
22.5°	2560.1	2585.6	2570.4	2555.2
25°	2450.0	2476.0	2465.9	2455.8
27.5°	2300.0	2320.6	2317.8	2314.9
30°	2189.9	2205.9	2205.9	2205.9
32.5°	2064.1	2075.9	2077.3	2078.7
35°	1856.8	1864.9	1858.4	1851.9
37.5°	1604.5	1611.3	1608.8	1606.3
40°	1413.2	1421.5	1420.9	1420.3
42.5°	1222.2	1227.3	1215.3	1203.3
45°	906.8	887.3	834.5	781.6
47.5°	570.0	524.4	458.6	392.8
50°	361.2	300.2	261.0	221.8
52.5°	231.9	182.7	165.4	148.0
55°	106.0	84.3	79.6	74.8
57.5°	47.8	38.2	31.8	25.4
60°	23.6	15.9	9.9	4.0
62.5°	10.4	4.1	2.5	0.8
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: P1427550

CATALOG NUMBER: SQ2W-BBM-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: P1427550

CATALOG NUMBER: SQ2W-BBM-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	1.22	0.00	0.00	0.00	0.10	1.45
	3H	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	1.21
	4H	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00	1.08
	6H	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.93
	8H	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.86
	12H	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.78
4H	2H	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00	1.09
	3H	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.82
	4H	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.68
	6H	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.53
	8H	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.44
	12H	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.35
8H	4H	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.44
	6H	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.30
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
12H	4H	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.35
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15