

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: P1427649

Luminaire Tested: SQ2W-BBN-K-150U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427649
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-150U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

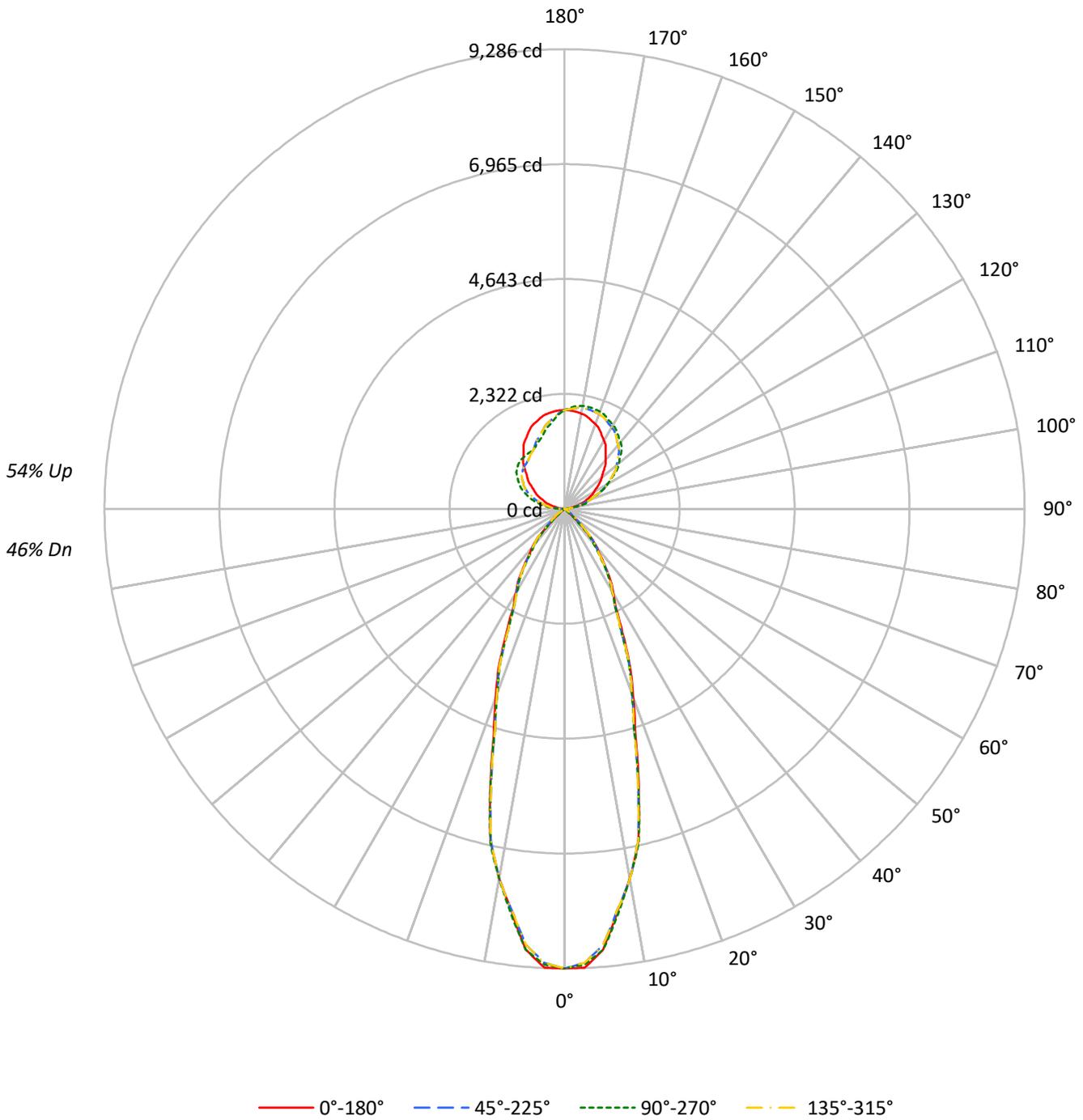
Lumens per Lamp: N/A
Luminaire Lumens: 10842.2 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.9
Input Voltage (V): 120
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	99	96	93	90	91	88	86	84	75	73	71	62	61	60	50	50	49	44				
2	93	87	82	78	85	80	76	73	69	66	63	58	56	54	47	46	45	41				
3	86	79	73	69	80	73	69	65	63	60	57	54	51	49	45	43	42	38				
4	81	72	66	61	75	67	62	58	58	54	51	50	47	45	42	41	39	36				
5	76	66	60	55	70	62	56	52	54	50	47	47	44	42	40	38	37	34				
6	71	61	54	50	66	57	52	47	50	46	43	44	41	39	38	36	34	32				
7	67	57	50	45	62	53	48	43	47	43	40	41	38	36	36	34	32	30				
8	63	53	46	42	59	50	44	40	44	40	37	39	36	34	34	32	30	28				
9	59	49	43	39	55	46	41	37	42	37	34	37	34	31	32	30	29	27				
10	56	46	40	36	53	44	38	35	39	35	32	35	32	30	31	29	27	25				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	149931	149931	149931	149931
5°	144917	144998	144917	144998
10°	124368	124368	124368	124368
15°	96533	96309	96533	96309
20°	69670	68174	69670	68174
25°	49400	47521	49400	47521
30°	36753	35474	36753	35474
35°	28597	27279	28597	27279
40°	21163	19329	21163	19329
45°	10814	8713	10814	8713
50°	2354	1723	2354	1723
55°	659	518	659	518
60°	107	55	107	55
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 13191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.0	7.4
10°-20°	1583.2	14.6
20°-30°	1277.1	11.8
30°-40°	887.2	8.2
40°-50°	409.8	3.8
50°-60°	57.4	0.5
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	10.6	0.1
90°-100°	158.5	1.5
100°-110°	462.2	4.3
110°-120°	754.2	7.0
120°-130°	957.1	8.8
130°-140°	1024.1	9.4
140°-150°	956.3	8.8
150°-160°	786.9	7.3
160°-170°	527.7	4.9
170°-180°	187.4	1.7
0°-30°	3663.3	33.8
0°-40°	4550.4	42.0
0°-60°	5017.6	46.3
0°-90°	5030.1	46.4
90°-120°	1374.9	12.7
90°-150°	4312.4	39.8
90°-180°	5814.0	53.6
0°-180°	10842.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9286	9286	9286	9286	9286	
5°	8942	8946	8942	8946	8942	804
15°	5775	5762	5775	5762	5775	1590
25°	2773	2668	2773	2668	2773	1298
35°	1451	1384	1451	1384	1451	908
45°	474	382	474	382	474	383
55°	23	18	23	18	23	30
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	6	44	6	86	6	5
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9280.8	9265.4	9249.9	9219.3	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7
5°	8941.5	8919.9	8898.3	8872.3	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5
7.5°	8192.4	8199.4	8206.4	8188.5	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5
10°	7585.9	7591.1	7596.3	7595.4	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0
12.5°	6883.1	6903.7	6924.4	6900.6	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4
15°	5775.2	5808.7	5842.2	5794.7	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6
17.5°	4736.3	4732.9	4729.5	4700.2	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5
20°	4054.9	4049.7	4044.5	4019.2	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1
22.5°	3471.2	3462.4	3453.6	3443.0	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3
25°	2773.0	2744.7	2716.4	2693.8	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2
27.5°	2225.7	2225.3	2224.8	2211.5	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0
30°	1971.4	1966.2	1961.0	1946.8	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7
32.5°	1745.1	1748.8	1752.6	1737.5	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4
35°	1450.9	1450.9	1450.9	1438.6	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2
37.5°	1178.1	1176.8	1175.5	1166.4	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3
40°	1004.1	1000.4	996.7	990.1	982.7	969.3	950.0	933.4	925.3	917.1	925.3
42.5°	806.0	815.9	825.9	822.8	815.4	802.0	782.6	765.0	752.7	740.4	752.7
45°	473.6	515.2	556.9	571.8	577.7	569.5	547.2	513.9	447.8	381.6	447.8
47.5°	203.5	249.3	295.1	333.6	369.6	358.2	299.4	241.6	186.6	131.5	186.6
50°	93.7	129.4	165.1	213.1	265.2	254.4	180.7	119.2	93.9	68.6	93.9
52.5°	54.9	72.7	90.6	135.4	189.3	184.5	120.9	70.0	56.6	43.2	56.6
55°	23.4	29.4	35.3	59.7	90.2	88.7	55.2	28.8	23.6	18.4	23.6
57.5°	8.7	12.0	15.2	24.0	34.5	33.9	22.0	12.4	9.7	7.0	9.7
60°	3.3	4.8	6.3	10.6	15.8	15.4	9.5	4.6	3.2	1.7	3.2
62.5°	0.7	1.6	2.5	4.8	7.6	7.5	4.6	2.1	1.2	0.3	1.2
65°	0.0	0.0	0.0	0.6	1.3	1.3	0.6	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	2.8	4.8	6.4	7.6	8.0	8.0	8.4	8.9	8.9	8.9
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9236.8	9214.8	9182.1	9183.6	9219.3	9249.9	9265.4	9280.8	9265.4	9249.9	9219.3
5°	8940.5	8903.5	8855.2	8844.8	8872.3	8898.3	8919.9	8941.5	8919.9	8898.3	8872.3
7.5°	8268.3	8229.6	8176.0	8162.3	8188.5	8206.4	8199.4	8192.4	8199.4	8206.4	8188.5
10°	7626.1	7617.7	7599.9	7592.4	7595.4	7596.3	7591.1	7585.9	7591.1	7596.3	7595.4
12.5°	6904.9	6882.7	6856.0	6861.9	6900.6	6924.4	6903.7	6883.1	6903.7	6924.4	6900.6
15°	5763.3	5736.7	5701.0	5720.4	5794.7	5842.2	5808.7	5775.2	5808.7	5842.2	5794.7
17.5°	4657.8	4653.3	4646.6	4662.2	4700.2	4729.5	4732.9	4736.3	4732.9	4729.5	4700.2
20°	3960.4	3963.4	3968.6	3987.2	4019.2	4044.5	4049.7	4054.9	4049.7	4044.5	4019.2
22.5°	3398.4	3406.9	3419.8	3431.9	3443.0	3453.6	3462.4	3471.2	3462.4	3453.6	3443.0
25°	2698.8	2689.3	2671.4	2672.9	2693.8	2716.4	2744.7	2773.0	2744.7	2716.4	2693.8
27.5°	2190.0	2187.8	2185.9	2193.8	2211.5	2224.8	2225.3	2225.7	2225.3	2224.8	2211.5
30°	1920.6	1922.3	1921.5	1929.7	1946.8	1961.0	1966.2	1971.4	1966.2	1961.0	1946.8
32.5°	1694.4	1699.6	1703.6	1716.3	1737.5	1752.6	1748.8	1745.1	1748.8	1752.6	1737.5
35°	1388.4	1397.4	1408.5	1422.3	1438.6	1450.9	1450.9	1450.9	1450.9	1450.9	1438.6
37.5°	1112.1	1125.4	1141.1	1154.8	1166.4	1175.5	1176.8	1178.1	1176.8	1175.5	1166.4
40°	933.4	950.0	969.3	982.7	990.1	996.7	1000.4	1004.1	1000.4	996.7	990.1
42.5°	765.0	782.6	802.0	815.4	822.8	825.9	815.9	806.0	815.9	825.9	822.8
45°	513.9	547.2	569.5	577.7	571.8	556.9	515.2	473.6	515.2	556.9	571.8
47.5°	241.6	299.4	358.2	369.6	333.6	295.1	249.3	203.5	249.3	295.1	333.6
50°	119.2	180.7	254.4	265.2	213.1	165.1	129.4	93.7	129.4	165.1	213.1
52.5°	70.0	120.9	184.5	189.3	135.4	90.6	72.7	54.9	72.7	90.6	135.4
55°	28.8	55.2	88.7	90.2	59.7	35.3	29.4	23.4	29.4	35.3	59.7
57.5°	12.4	22.0	33.9	34.5	24.0	15.2	12.0	8.7	12.0	15.2	24.0
60°	4.6	9.5	15.4	15.8	10.6	6.3	4.8	3.3	4.8	6.3	10.6
62.5°	2.1	4.6	7.5	7.6	4.8	2.5	1.6	0.7	1.6	2.5	4.8
65°	0.0	0.6	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.4	8.0	8.0	7.6	6.4	4.8	2.8	1.2	2.8	4.4	7.2
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1427649

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427649

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7	9236.8	9214.8	9182.1	9183.6
5°	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5	8940.5	8903.5	8855.2	8844.8
7.5°	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5	8268.3	8229.6	8176.0	8162.3
10°	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0	7626.1	7617.7	7599.9	7592.4
12.5°	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4	6904.9	6882.7	6856.0	6861.9
15°	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6	5763.3	5736.7	5701.0	5720.4
17.5°	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5	4657.8	4653.3	4646.6	4662.2
20°	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1	3960.4	3963.4	3968.6	3987.2
22.5°	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3	3398.4	3406.9	3419.8	3431.9
25°	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2	2698.8	2689.3	2671.4	2672.9
27.5°	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0	2190.0	2187.8	2185.9	2193.8
30°	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7	1920.6	1922.3	1921.5	1929.7
32.5°	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4	1694.4	1699.6	1703.6	1716.3
35°	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2	1388.4	1397.4	1408.5	1422.3
37.5°	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3	1112.1	1125.4	1141.1	1154.8
40°	982.7	969.3	950.0	933.4	925.3	917.1	925.3	933.4	950.0	969.3	982.7
42.5°	815.4	802.0	782.6	765.0	752.7	740.4	752.7	765.0	782.6	802.0	815.4
45°	577.7	569.5	547.2	513.9	447.8	381.6	447.8	513.9	547.2	569.5	577.7
47.5°	369.6	358.2	299.4	241.6	186.6	131.5	186.6	241.6	299.4	358.2	369.6
50°	265.2	254.4	180.7	119.2	93.9	68.6	93.9	119.2	180.7	254.4	265.2
52.5°	189.3	184.5	120.9	70.0	56.6	43.2	56.6	70.0	120.9	184.5	189.3
55°	90.2	88.7	55.2	28.8	23.6	18.4	23.6	28.8	55.2	88.7	90.2
57.5°	34.5	33.9	22.0	12.4	9.7	7.0	9.7	12.4	22.0	33.9	34.5
60°	15.8	15.4	9.5	4.6	3.2	1.7	3.2	4.6	9.5	15.4	15.8
62.5°	7.6	7.5	4.6	2.1	1.2	0.3	1.2	2.1	4.6	7.5	7.6
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.3	12.1	14.9	16.5	18.1	17.3	18.1	16.5	14.9	12.1	9.3
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1427649

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427649

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9286.2	9286.2	9286.2	9286.2
2.5°	9219.3	9249.9	9265.4	9280.8
5°	8872.3	8898.3	8919.9	8941.5
7.5°	8188.5	8206.4	8199.4	8192.4
10°	7595.4	7596.3	7591.1	7585.9
12.5°	6900.6	6924.4	6903.7	6883.1
15°	5794.7	5842.2	5808.7	5775.2
17.5°	4700.2	4729.5	4732.9	4736.3
20°	4019.2	4044.5	4049.7	4054.9
22.5°	3443.0	3453.6	3462.4	3471.2
25°	2693.8	2716.4	2744.7	2773.0
27.5°	2211.5	2224.8	2225.3	2225.7
30°	1946.8	1961.0	1966.2	1971.4
32.5°	1737.5	1752.6	1748.8	1745.1
35°	1438.6	1450.9	1450.9	1450.9
37.5°	1166.4	1175.5	1176.8	1178.1
40°	990.1	996.7	1000.4	1004.1
42.5°	822.8	825.9	815.9	806.0
45°	571.8	556.9	515.2	473.6
47.5°	333.6	295.1	249.3	203.5
50°	213.1	165.1	129.4	93.7
52.5°	135.4	90.6	72.7	54.9
55°	59.7	35.3	29.4	23.4
57.5°	24.0	15.2	12.0	8.7
60°	10.6	6.3	4.8	3.3
62.5°	4.8	2.5	1.6	0.7
65°	0.6	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	7.2	4.4	2.8	1.2
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1427649

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427649

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

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