

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428648

Luminaire Tested: SQ2W-WBN-K-150U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428648
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-150U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

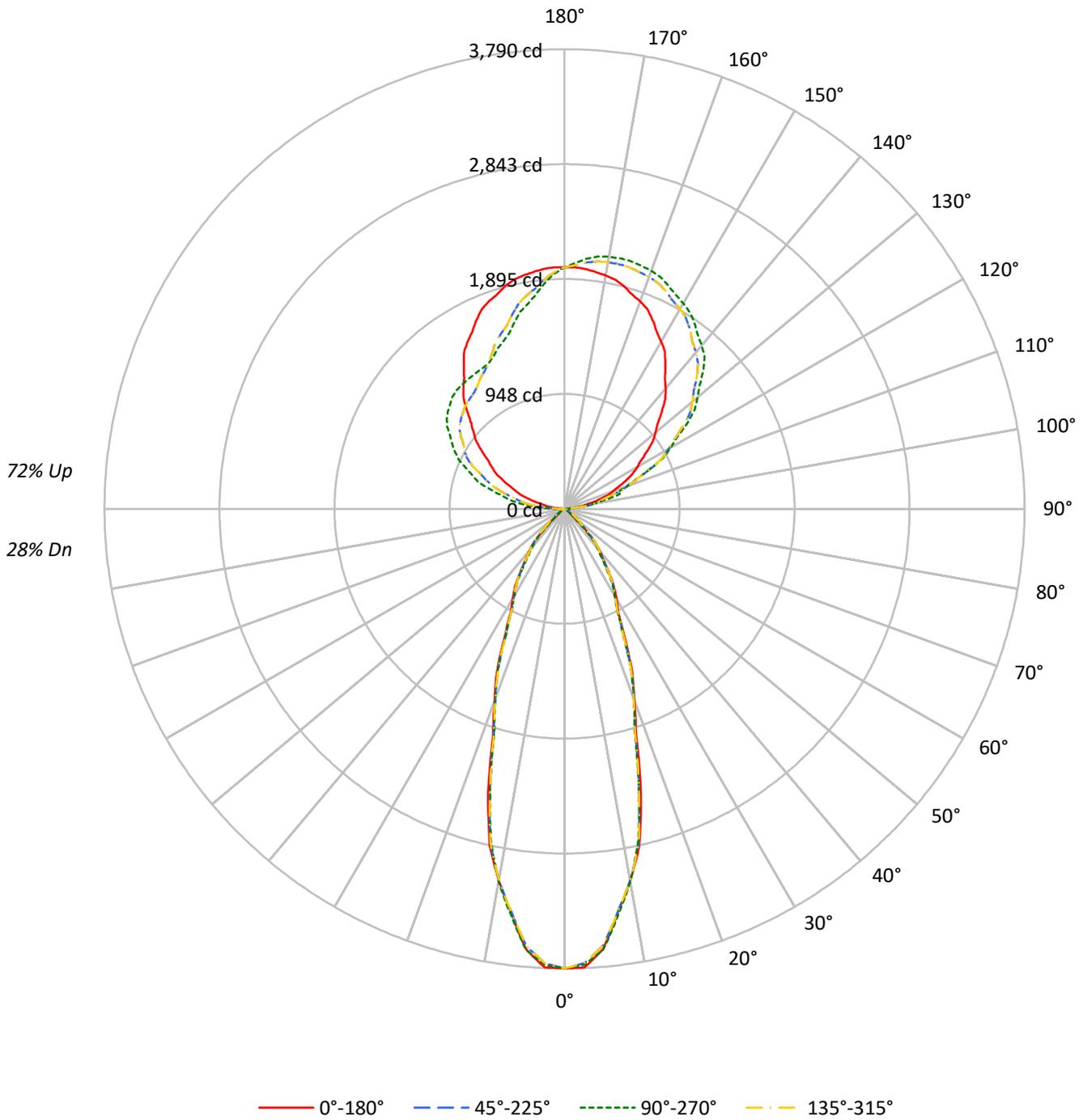
Lumens per Lamp: N/A
Luminaire Lumens: 8023.4 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73.2
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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	28				
1	94	90	87	84	84	81	78	76	64	62	60	48	47	46	33	33	32	26				
2	87	80	75	71	78	72	68	65	57	55	52	44	42	41	31	30	29	24				
3	80	72	66	61	72	65	60	56	52	49	46	40	38	36	29	28	27	22				
4	74	65	58	53	67	59	53	49	47	44	41	37	34	33	27	26	25	21				
5	69	59	52	47	62	53	48	43	43	39	36	34	31	29	25	24	23	19				
6	64	53	46	41	58	49	43	38	40	36	33	32	29	27	24	22	21	18				
7	60	49	42	37	54	45	39	35	37	33	30	29	27	25	22	21	20	17				
8	56	45	38	34	50	41	35	31	34	30	27	27	25	23	21	20	18	16				
9	52	41	35	30	47	38	32	29	32	28	25	26	23	21	20	18	17	15				
10	49	38	32	28	44	35	30	26	30	26	23	24	21	20	19	17	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	61192	61192	61192	61192
5°	59082	59147	59082	59147
10°	51068	51189	51068	51189
15°	40638	39513	40638	39513
20°	28869	28695	28869	28695
25°	20768	20218	20768	20218
30°	15869	15405	15869	15405
35°	12457	11927	12457	11927
40°	9438	8856	9438	8856
45°	5281	4713	5281	4713
50°	1859	1638	1859	1638
55°	1134	1078	1134	1078
60°	869	804	869	804
65°	795	745	795	745
70°	760	699	760	699
75°	711	674	711	674
80°	623	623	623	623
85°	630	500	630	500

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 260°
 Vertical Angle: 87.5°
 Luminance: 7107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.0	4.1
10°-20°	653.9	8.1
20°-30°	541.5	6.7
30°-40°	389.5	4.9
40°-50°	198.4	2.5
50°-60°	51.6	0.6
60°-70°	21.4	0.3
70°-80°	11.9	0.1
80°-90°	11.8	0.1
90°-100°	158.5	2.0
100°-110°	462.2	5.8
110°-120°	754.2	9.4
120°-130°	957.1	11.9
130°-140°	1024.1	12.8
140°-150°	956.3	11.9
150°-160°	786.9	9.8
160°-170°	527.7	6.6
170°-180°	187.4	2.3
0°-30°	1524.3	19.0
0°-40°	1913.9	23.9
0°-60°	2163.9	27.0
0°-90°	2209.0	27.5
90°-120°	1374.9	17.1
90°-150°	4312.4	53.7
90°-180°	5814.0	72.5
0°-180°	8023.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3790	3790	3790	3790	3790	
5°	3645	3649	3645	3649	3645	329
15°	2431	2364	2431	2364	2431	660
25°	1166	1135	1166	1135	1166	548
35°	632	605	632	605	632	397
45°	231	206	231	206	231	185
55°	40	38	40	38	40	40
65°	21	20	21	20	21	21
75°	11	11	11	11	11	12
85°	3	3	3	3	3	4
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°	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0
2.5°	3784.0	3781.2	3778.3	3765.6	3749.6	3748.2	3761.6	3770.8	3767.5	3764.1	3767.5
5°	3645.4	3643.0	3640.6	3629.7	3616.0	3620.8	3644.1	3660.2	3654.8	3649.4	3654.8
7.5°	3359.1	3361.2	3363.2	3357.6	3349.5	3355.7	3376.3	3390.4	3384.6	3378.9	3384.6
10°	3114.9	3120.3	3125.7	3118.1	3106.1	3115.2	3145.4	3163.0	3142.6	3122.3	3142.6
12.5°	2845.5	2842.0	2838.5	2831.6	2823.4	2821.8	2826.6	2827.5	2816.2	2805.0	2816.2
15°	2431.2	2418.6	2406.1	2386.8	2365.3	2358.3	2365.7	2370.5	2367.2	2363.9	2367.2
17.5°	1958.2	1963.1	1967.9	1954.9	1935.9	1926.0	1925.3	1923.8	1920.1	1916.4	1920.1
20°	1680.2	1681.7	1683.2	1675.0	1663.7	1661.0	1666.9	1671.3	1670.7	1670.1	1670.7
22.5°	1456.4	1456.7	1457.0	1446.2	1431.8	1429.0	1437.8	1443.1	1437.7	1432.3	1437.7
25°	1165.8	1164.9	1164.0	1156.9	1147.6	1140.7	1136.2	1133.1	1134.0	1134.9	1134.0
27.5°	956.1	952.4	948.7	942.5	935.6	933.6	936.6	938.3	936.1	933.9	936.1
30°	851.2	848.2	845.2	839.1	831.9	829.2	831.0	831.7	829.0	826.3	829.0
32.5°	757.0	757.2	757.3	751.8	744.4	740.2	739.4	738.3	736.3	734.3	736.3
35°	632.0	633.8	635.6	631.1	624.5	619.0	614.5	610.5	607.8	605.1	607.8
37.5°	520.4	522.1	523.7	520.0	514.4	508.4	501.8	496.3	494.0	491.7	494.0
40°	447.8	449.0	450.2	447.6	443.7	437.8	430.1	423.8	422.0	420.2	422.0
42.5°	368.7	373.7	378.7	377.1	373.2	367.6	360.3	353.9	349.9	346.0	349.9
45°	231.3	247.1	263.0	270.1	274.2	272.3	264.2	252.4	229.4	206.4	229.4
47.5°	117.0	138.9	160.9	176.6	190.3	185.9	163.5	141.1	118.5	95.9	118.5
50°	74.0	89.2	104.4	123.7	144.3	139.8	110.3	85.5	75.4	65.2	75.4
52.5°	56.7	64.6	72.4	90.7	112.5	110.4	84.4	63.5	57.9	52.3	57.9
55°	40.3	43.3	46.3	56.5	69.0	68.3	54.2	43.1	40.7	38.3	40.7
57.5°	31.2	32.9	34.5	38.3	42.8	42.4	37.1	32.7	31.2	29.7	31.2
60°	26.9	28.1	29.3	31.2	33.2	32.9	30.3	27.9	26.4	24.9	26.4
62.5°	24.2	24.9	25.6	26.5	27.4	27.0	25.2	23.8	23.3	22.7	23.3
65°	20.8	21.1	21.4	21.5	21.5	21.2	20.6	20.1	19.8	19.5	19.8
67.5°	17.7	18.0	18.3	18.4	18.3	18.1	17.8	17.5	17.2	16.9	17.2
70°	16.1	16.4	16.7	16.6	16.3	16.0	15.7	15.4	15.1	14.8	15.1
72.5°	14.0	14.3	14.6	14.4	14.1	14.0	13.9	13.8	13.5	13.2	13.5
75°	11.4	11.4	11.4	11.4	11.4	11.3	11.0	10.8	10.8	10.8	10.8
77.5°	8.9	8.9	9.0	8.8	8.5	8.3	8.3	8.3	8.0	7.8	8.0
80°	6.7	7.0	7.3	7.2	6.9	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	5.6	5.7	5.8	5.6	5.3	5.1	5.1	5.1	5.1	5.1	5.1
85°	3.4	3.4	3.4	3.1	2.8	2.8	3.1	3.3	3.0	2.7	3.0
87.5°	2.3	3.9	5.9	7.5	8.7	9.1	9.1	9.5	9.9	9.9	9.9
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°	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0
2.5°	3770.8	3761.6	3748.2	3749.6	3765.6	3778.3	3781.2	3784.0	3781.2	3778.3	3765.6
5°	3660.2	3644.1	3620.8	3616.0	3629.7	3640.6	3643.0	3645.4	3643.0	3640.6	3629.7
7.5°	3390.4	3376.3	3355.7	3349.5	3357.6	3363.2	3361.2	3359.1	3361.2	3363.2	3357.6
10°	3163.0	3145.4	3115.2	3106.1	3118.1	3125.7	3120.3	3114.9	3120.3	3125.7	3118.1
12.5°	2827.5	2826.6	2821.8	2823.4	2831.6	2838.5	2842.0	2845.5	2842.0	2838.5	2831.6
15°	2370.5	2365.7	2358.3	2365.3	2386.8	2406.1	2418.6	2431.2	2418.6	2406.1	2386.8
17.5°	1923.8	1925.3	1926.0	1935.9	1954.9	1967.9	1963.1	1958.2	1963.1	1967.9	1954.9
20°	1671.3	1666.9	1661.0	1663.7	1675.0	1683.2	1681.7	1680.2	1681.7	1683.2	1675.0
22.5°	1443.1	1437.8	1429.0	1431.8	1446.2	1457.0	1456.7	1456.4	1456.7	1457.0	1446.2
25°	1133.1	1136.2	1140.7	1147.6	1156.9	1164.0	1164.9	1165.8	1164.9	1164.0	1156.9
27.5°	938.3	936.6	933.6	935.6	942.5	948.7	952.4	956.1	952.4	948.7	942.5
30°	831.7	831.0	829.2	831.9	839.1	845.2	848.2	851.2	848.2	845.2	839.1
32.5°	738.3	739.4	740.2	744.4	751.8	757.3	757.2	757.0	757.2	757.3	751.8
35°	610.5	614.5	619.0	624.5	631.1	635.6	633.8	632.0	633.8	635.6	631.1
37.5°	496.3	501.8	508.4	514.4	520.0	523.7	522.1	520.4	522.1	523.7	520.0
40°	423.8	430.1	437.8	443.7	447.6	450.2	449.0	447.8	449.0	450.2	447.6
42.5°	353.9	360.3	367.6	373.2	377.1	378.7	373.7	368.7	373.7	378.7	377.1
45°	252.4	264.2	272.3	274.2	270.1	263.0	247.1	231.3	247.1	263.0	270.1
47.5°	141.1	163.5	185.9	190.3	176.6	160.9	138.9	117.0	138.9	160.9	176.6
50°	85.5	110.3	139.8	144.3	123.7	104.4	89.2	74.0	89.2	104.4	123.7
52.5°	63.5	84.4	110.4	112.5	90.7	72.4	64.6	56.7	64.6	72.4	90.7
55°	43.1	54.2	68.3	69.0	56.5	46.3	43.3	40.3	43.3	46.3	56.5
57.5°	32.7	37.1	42.4	42.8	38.3	34.5	32.9	31.2	32.9	34.5	38.3
60°	27.9	30.3	32.9	33.2	31.2	29.3	28.1	26.9	28.1	29.3	31.2
62.5°	23.8	25.2	27.0	27.4	26.5	25.6	24.9	24.2	24.9	25.6	26.5
65°	20.1	20.6	21.2	21.5	21.5	21.4	21.1	20.8	21.1	21.4	21.5
67.5°	17.5	17.8	18.1	18.3	18.4	18.3	18.0	17.7	18.0	18.3	18.4
70°	15.4	15.7	16.0	16.3	16.6	16.7	16.4	16.1	16.4	16.7	16.6
72.5°	13.8	13.9	14.0	14.1	14.4	14.6	14.3	14.0	14.3	14.6	14.4
75°	10.8	11.0	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
77.5°	8.3	8.3	8.3	8.5	8.8	9.0	8.9	8.9	8.9	9.0	8.8
80°	6.7	6.7	6.7	6.9	7.2	7.3	7.0	6.7	7.0	7.3	7.2
82.5°	5.1	5.1	5.1	5.3	5.6	5.8	5.7	5.6	5.7	5.8	5.6
85°	3.3	3.1	2.8	2.8	3.1	3.4	3.4	3.4	3.4	3.4	3.1
87.5°	9.5	9.1	9.1	8.7	7.5	5.9	3.9	2.3	3.9	5.5	8.3
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: P1428648

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-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: P1428648

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0
2.5°	3749.6	3748.2	3761.6	3770.8	3767.5	3764.1	3767.5	3770.8	3761.6	3748.2	3749.6
5°	3616.0	3620.8	3644.1	3660.2	3654.8	3649.4	3654.8	3660.2	3644.1	3620.8	3616.0
7.5°	3349.5	3355.7	3376.3	3390.4	3384.6	3378.9	3384.6	3390.4	3376.3	3355.7	3349.5
10°	3106.1	3115.2	3145.4	3163.0	3142.6	3122.3	3142.6	3163.0	3145.4	3115.2	3106.1
12.5°	2823.4	2821.8	2826.6	2827.5	2816.2	2805.0	2816.2	2827.5	2826.6	2821.8	2823.4
15°	2365.3	2358.3	2365.7	2370.5	2367.2	2363.9	2367.2	2370.5	2365.7	2358.3	2365.3
17.5°	1935.9	1926.0	1925.3	1923.8	1920.1	1916.4	1920.1	1923.8	1925.3	1926.0	1935.9
20°	1663.7	1661.0	1666.9	1671.3	1670.7	1670.1	1670.7	1671.3	1666.9	1661.0	1663.7
22.5°	1431.8	1429.0	1437.8	1443.1	1437.7	1432.3	1437.7	1443.1	1437.8	1429.0	1431.8
25°	1147.6	1140.7	1136.2	1133.1	1134.0	1134.9	1134.0	1133.1	1136.2	1140.7	1147.6
27.5°	935.6	933.6	936.6	938.3	936.1	933.9	936.1	938.3	936.6	933.6	935.6
30°	831.9	829.2	831.0	831.7	829.0	826.3	829.0	831.7	831.0	829.2	831.9
32.5°	744.4	740.2	739.4	738.3	736.3	734.3	736.3	738.3	739.4	740.2	744.4
35°	624.5	619.0	614.5	610.5	607.8	605.1	607.8	610.5	614.5	619.0	624.5
37.5°	514.4	508.4	501.8	496.3	494.0	491.7	494.0	496.3	501.8	508.4	514.4
40°	443.7	437.8	430.1	423.8	422.0	420.2	422.0	423.8	430.1	437.8	443.7
42.5°	373.2	367.6	360.3	353.9	349.9	346.0	349.9	353.9	360.3	367.6	373.2
45°	274.2	272.3	264.2	252.4	229.4	206.4	229.4	252.4	264.2	272.3	274.2
47.5°	190.3	185.9	163.5	141.1	118.5	95.9	118.5	141.1	163.5	185.9	190.3
50°	144.3	139.8	110.3	85.5	75.4	65.2	75.4	85.5	110.3	139.8	144.3
52.5°	112.5	110.4	84.4	63.5	57.9	52.3	57.9	63.5	84.4	110.4	112.5
55°	69.0	68.3	54.2	43.1	40.7	38.3	40.7	43.1	54.2	68.3	69.0
57.5°	42.8	42.4	37.1	32.7	31.2	29.7	31.2	32.7	37.1	42.4	42.8
60°	33.2	32.9	30.3	27.9	26.4	24.9	26.4	27.9	30.3	32.9	33.2
62.5°	27.4	27.0	25.2	23.8	23.3	22.7	23.3	23.8	25.2	27.0	27.4
65°	21.5	21.2	20.6	20.1	19.8	19.5	19.8	20.1	20.6	21.2	21.5
67.5°	18.3	18.1	17.8	17.5	17.2	16.9	17.2	17.5	17.8	18.1	18.3
70°	16.3	16.0	15.7	15.4	15.1	14.8	15.1	15.4	15.7	16.0	16.3
72.5°	14.1	14.0	13.9	13.8	13.5	13.2	13.5	13.8	13.9	14.0	14.1
75°	11.4	11.3	11.0	10.8	10.8	10.8	10.8	10.8	11.0	11.3	11.4
77.5°	8.5	8.3	8.3	8.3	8.0	7.8	8.0	8.3	8.3	8.3	8.5
80°	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.9
82.5°	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.3
85°	2.8	2.8	3.1	3.3	3.0	2.7	3.0	3.3	3.1	2.8	2.8
87.5°	10.3	13.1	16.0	17.6	19.2	18.4	19.2	17.6	16.0	13.1	10.3
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



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CATALOG NUMBER: SQ2W-WBN-K-150U-050D-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



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3790.0	3790.0	3790.0	3790.0
2.5°	3765.6	3778.3	3781.2	3784.0
5°	3629.7	3640.6	3643.0	3645.4
7.5°	3357.6	3363.2	3361.2	3359.1
10°	3118.1	3125.7	3120.3	3114.9
12.5°	2831.6	2838.5	2842.0	2845.5
15°	2386.8	2406.1	2418.6	2431.2
17.5°	1954.9	1967.9	1963.1	1958.2
20°	1675.0	1683.2	1681.7	1680.2
22.5°	1446.2	1457.0	1456.7	1456.4
25°	1156.9	1164.0	1164.9	1165.8
27.5°	942.5	948.7	952.4	956.1
30°	839.1	845.2	848.2	851.2
32.5°	751.8	757.3	757.2	757.0
35°	631.1	635.6	633.8	632.0
37.5°	520.0	523.7	522.1	520.4
40°	447.6	450.2	449.0	447.8
42.5°	377.1	378.7	373.7	368.7
45°	270.1	263.0	247.1	231.3
47.5°	176.6	160.9	138.9	117.0
50°	123.7	104.4	89.2	74.0
52.5°	90.7	72.4	64.6	56.7
55°	56.5	46.3	43.3	40.3
57.5°	38.3	34.5	32.9	31.2
60°	31.2	29.3	28.1	26.9
62.5°	26.5	25.6	24.9	24.2
65°	21.5	21.4	21.1	20.8
67.5°	18.4	18.3	18.0	17.7
70°	16.6	16.7	16.4	16.1
72.5°	14.4	14.6	14.3	14.0
75°	11.4	11.4	11.4	11.4
77.5°	8.8	9.0	8.9	8.9
80°	7.2	7.3	7.0	6.7
82.5°	5.6	5.8	5.7	5.6
85°	3.1	3.4	3.4	3.4
87.5°	8.3	5.5	3.9	2.3
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: P1428648

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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: P1428648

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	0.70
	3H	0.00	0.00	0.15	0.66	2.24	0.00	0.00	0.00	0.27	1.86
	4H	0.00	0.01	0.67	1.15	2.74	0.00	0.00	0.28	0.76	2.35
	6H	0.00	0.32	1.02	1.46	3.05	0.00	0.00	0.61	1.05	2.65
	8H	0.00	0.44	1.17	1.59	3.18	0.00	0.02	0.75	1.17	2.76
	12H	0.08	0.51	1.26	1.65	3.26	0.00	0.07	0.82	1.21	2.82
4H	2H	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00	1.01
	3H	0.00	0.00	0.75	1.15	2.75	0.00	0.00	0.41	0.82	2.42
	4H	0.21	0.61	1.39	1.75	3.37	0.00	0.26	1.05	1.41	3.03
	6H	0.70	1.03	1.88	2.20	3.81	0.32	0.66	1.51	1.83	3.44
	8H	0.91	1.22	2.09	2.38	4.01	0.52	0.83	1.70	1.99	3.62
	12H	1.05	1.33	2.24	2.50	4.13	0.63	0.91	1.82	2.08	3.71
8H	4H	0.38	0.69	1.56	1.85	3.47	0.07	0.38	1.25	1.54	3.17
	6H	1.01	1.27	2.21	2.47	4.09	0.66	0.92	1.86	2.12	3.74
	8H	1.33	1.55	2.54	2.74	4.38	0.95	1.17	2.16	2.36	4.00
	12H	1.56	1.76	2.77	2.94	4.61	1.16	1.35	2.36	2.53	4.21
12H	4H	0.35	0.63	1.55	1.80	3.43	0.05	0.34	1.25	1.51	3.14
	6H	1.05	1.27	2.25	2.45	4.09	0.71	0.94	1.92	2.12	3.76
	8H	1.40	1.59	2.60	2.77	4.44	1.03	1.22	2.24	2.40	4.08