

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: P1436031

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436031
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-150U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

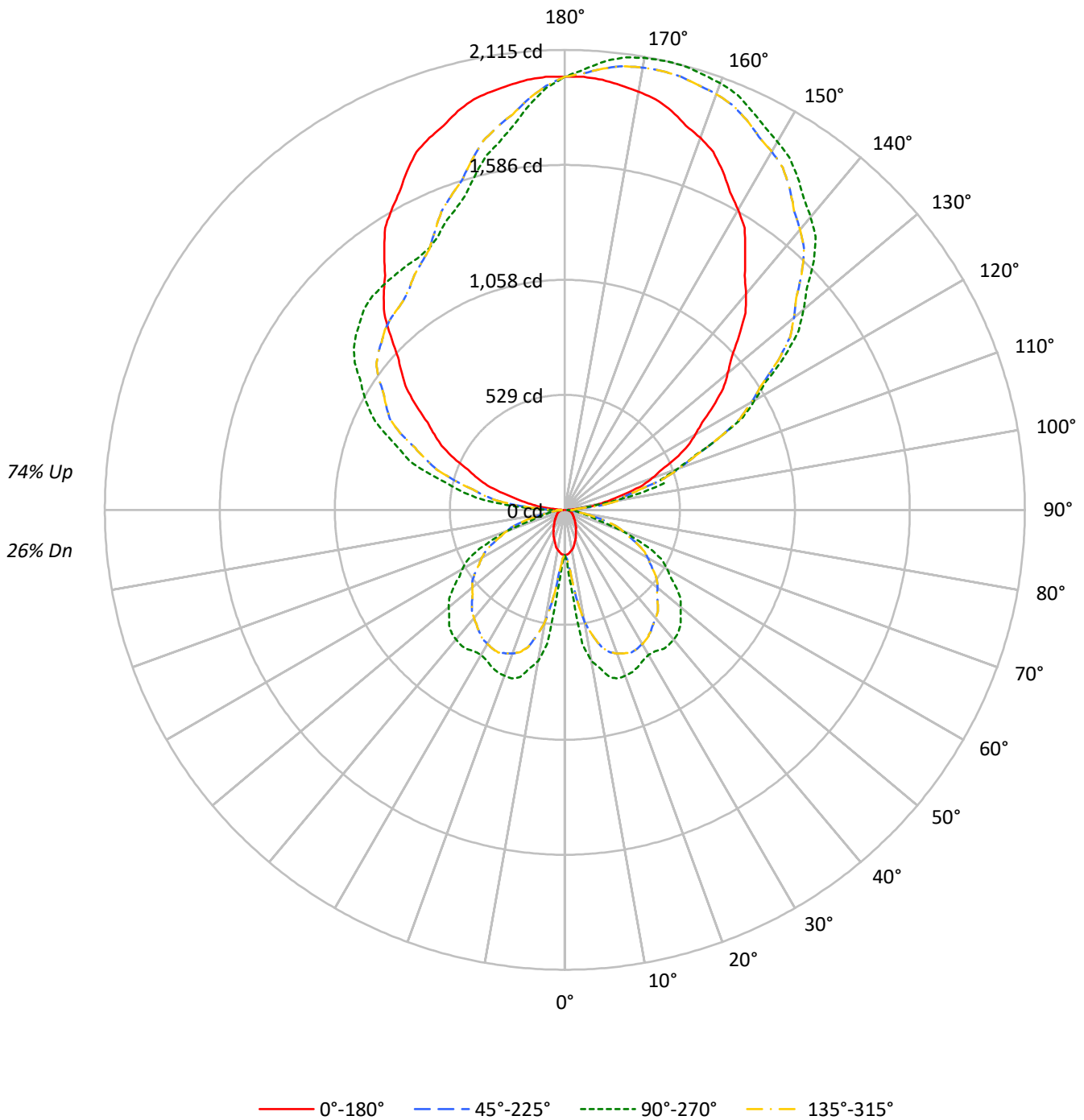
Lumens per Lamp: N/A
Luminaire Lumens: 7877.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
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	0
RCR																		
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	14	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	16	14	13	11	10	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	9	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3358	3358	3358	3358
5°	3274	5948	3274	5948
10°	3066	11575	3066	11575
15°	2775	13322	2775	13322
20°	2457	13952	2457	13952
25°	2173	14180	2173	14180
30°	1920	14355	1920	14355
35°	1715	15433	1715	15433
40°	1560	16398	1560	16398
45°	1438	17171	1438	17171
50°	1356	17482	1356	17482
55°	1323	17621	1323	17621
60°	1356	17534	1356	17534
65°	1414	17039	1414	17039
70°	1463	12887	1463	12887
75°	1622	7112	1622	7112
80°	1674	6601	1674	6601
85°	1667	2779	1667	2779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 17780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	0.4
10°-20°	159.0	2.0
20°-30°	279.8	3.6
30°-40°	362.2	4.6
40°-50°	399.5	5.1
50°-60°	372.8	4.7
60°-70°	288.0	3.7
70°-80°	132.8	1.7
80°-90°	33.6	0.4
90°-100°	158.5	2.0
100°-110°	462.2	5.9
110°-120°	754.2	9.6
120°-130°	957.1	12.2
130°-140°	1024.1	13.0
140°-150°	956.3	12.1
150°-160°	786.9	10.0
160°-170°	527.7	6.7
170°-180°	187.4	2.4
0°-30°	473.7	6.0
0°-40°	835.9	10.6
0°-60°	1608.1	20.4
0°-90°	2062.6	26.2
90°-120°	1374.9	17.5
90°-150°	4312.4	54.7
90°-180°	5814.0	73.8
0°-180°	7877.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	208	208	208	208	208	
5°	202	367	202	367	202	19
15°	166	797	166	797	166	46
25°	122	796	122	796	122	56
35°	87	783	87	783	87	55
45°	63	752	63	752	63	49
55°	47	626	47	626	47	42
65°	37	446	37	446	37	36
75°	26	114	26	114	26	27
85°	9	15	9	15	9	10
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	206.4	210.3	214.2	218.4	222.7	227.3	232.3	236.5	238.7	240.8	238.7
5°	202.0	215.3	228.7	248.0	269.3	293.6	320.7	343.9	355.4	367.0	355.4
7.5°	194.2	221.3	248.4	305.9	373.4	443.6	516.3	576.6	599.7	622.8	599.7
10°	187.0	224.8	262.6	360.0	477.3	567.6	630.7	681.1	693.6	706.0	693.6
12.5°	179.0	230.3	281.6	401.9	545.2	638.9	683.2	719.6	732.4	745.2	732.4
15°	166.0	239.3	312.7	448.7	605.6	702.0	738.0	768.6	782.8	797.0	782.8
17.5°	152.6	250.2	347.8	486.5	639.0	733.0	768.7	797.3	805.1	812.8	805.1
20°	143.0	257.7	372.3	511.3	658.4	747.3	778.0	802.2	807.1	812.0	807.1
22.5°	134.2	262.4	390.6	529.7	672.6	755.6	778.8	797.5	802.8	808.0	802.8
25°	122.0	266.4	410.9	549.7	686.6	762.3	777.0	788.9	792.5	796.0	792.5
27.5°	110.2	262.8	415.4	552.5	684.3	755.0	764.6	772.7	776.1	779.6	776.1
30°	103.0	258.1	413.2	549.0	678.3	746.6	753.7	760.2	765.1	770.0	765.1
32.5°	96.6	252.4	408.2	542.3	669.2	736.0	742.7	750.5	761.0	771.6	761.0
35°	87.0	240.3	393.7	526.3	652.1	720.3	731.0	743.9	763.5	783.0	763.5
37.5°	78.8	224.8	370.9	502.2	628.6	703.0	725.3	746.7	765.6	784.4	765.6
40°	74.0	214.0	354.0	484.3	611.4	689.9	719.7	746.0	762.0	778.0	762.0
42.5°	69.2	201.7	334.3	463.5	591.7	673.2	707.9	738.0	754.0	770.0	754.0
45°	63.0	182.1	301.2	429.3	560.4	646.4	687.3	721.8	736.9	752.0	736.9
47.5°	57.2	160.7	264.1	392.8	529.9	620.1	663.5	698.8	709.8	720.8	709.8
50°	54.0	146.4	238.9	368.0	509.3	601.3	644.0	678.2	687.1	696.0	687.1
52.5°	50.8	132.6	214.4	343.7	489.0	581.7	621.9	654.0	662.2	670.4	662.2
55°	47.0	113.7	180.3	308.3	456.8	548.6	583.7	611.8	618.9	626.0	618.9
57.5°	43.6	97.4	151.2	275.1	422.5	511.2	541.1	565.0	570.8	576.6	570.8
60°	42.0	88.7	135.3	254.3	397.4	482.6	509.7	531.4	537.2	543.0	537.2
62.5°	39.6	80.2	120.8	233.5	370.2	451.1	476.1	496.2	501.6	507.0	501.6
65°	37.0	69.9	102.8	204.3	328.8	401.4	422.3	438.9	442.4	446.0	442.4
67.5°	33.4	61.3	89.2	177.6	286.1	346.9	359.9	367.9	361.3	354.6	361.3
70°	31.0	56.8	82.6	161.3	257.8	308.2	312.7	311.2	292.1	273.0	292.1
72.5°	29.4	52.3	75.3	143.5	226.8	263.5	253.7	237.4	201.2	165.0	201.2
75°	26.0	44.7	63.3	114.7	176.9	186.7	144.0	112.2	113.1	114.0	113.1
77.5°	21.2	35.2	49.1	80.7	118.1	125.5	102.9	86.2	87.0	87.8	87.0
80°	18.0	29.1	40.2	52.7	65.6	71.6	70.7	70.1	70.6	71.0	70.6
82.5°	14.8	23.1	31.3	38.8	46.0	50.0	50.9	51.4	50.8	50.2	50.8
85°	9.0	13.9	18.8	21.7	23.9	23.2	19.7	16.8	15.9	15.0	15.9
87.5°	4.4	7.8	11.6	12.6	12.4	12.0	12.0	12.4	12.9	12.9	12.9
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	236.5	232.3	227.3	222.7	218.4	214.2	210.3	206.4	210.3	214.2	218.4
5°	343.9	320.7	293.6	269.3	248.0	228.7	215.3	202.0	215.3	228.7	248.0
7.5°	576.6	516.3	443.6	373.4	305.9	248.4	221.3	194.2	221.3	248.4	305.9
10°	681.1	630.7	567.6	477.3	360.0	262.6	224.8	187.0	224.8	262.6	360.0
12.5°	719.6	683.2	638.9	545.2	401.9	281.6	230.3	179.0	230.3	281.6	401.9
15°	768.6	738.0	702.0	605.6	448.7	312.7	239.3	166.0	239.3	312.7	448.7
17.5°	797.3	768.7	733.0	639.0	486.5	347.8	250.2	152.6	250.2	347.8	486.5
20°	802.2	778.0	747.3	658.4	511.3	372.3	257.7	143.0	257.7	372.3	511.3
22.5°	797.5	778.8	755.6	672.6	529.7	390.6	262.4	134.2	262.4	390.6	529.7
25°	788.9	777.0	762.3	686.6	549.7	410.9	266.4	122.0	266.4	410.9	549.7
27.5°	772.7	764.6	755.0	684.3	552.5	415.4	262.8	110.2	262.8	415.4	552.5
30°	760.2	753.7	746.6	678.3	549.0	413.2	258.1	103.0	258.1	413.2	549.0
32.5°	750.5	742.7	736.0	669.2	542.3	408.2	252.4	96.6	252.4	408.2	542.3
35°	743.9	731.0	720.3	652.1	526.3	393.7	240.3	87.0	240.3	393.7	526.3
37.5°	746.7	725.3	703.0	628.6	502.2	370.9	224.8	78.8	224.8	370.9	502.2
40°	746.0	719.7	689.9	611.4	484.3	354.0	214.0	74.0	214.0	354.0	484.3
42.5°	738.0	707.9	673.2	591.7	463.5	334.3	201.7	69.2	201.7	334.3	463.5
45°	721.8	687.3	646.4	560.4	429.3	301.2	182.1	63.0	182.1	301.2	429.3
47.5°	698.8	663.5	620.1	529.9	392.8	264.1	160.7	57.2	160.7	264.1	392.8
50°	678.2	644.0	601.3	509.3	368.0	238.9	146.4	54.0	146.4	238.9	368.0
52.5°	654.0	621.9	581.7	489.0	343.7	214.4	132.6	50.8	132.6	214.4	343.7
55°	611.8	583.7	548.6	456.8	308.3	180.3	113.7	47.0	113.7	180.3	308.3
57.5°	565.0	541.1	511.2	422.5	275.1	151.2	97.4	43.6	97.4	151.2	275.1
60°	531.4	509.7	482.6	397.4	254.3	135.3	88.7	42.0	88.7	135.3	254.3
62.5°	496.2	476.1	451.1	370.2	233.5	120.8	80.2	39.6	80.2	120.8	233.5
65°	438.9	422.3	401.4	328.8	204.3	102.8	69.9	37.0	69.9	102.8	204.3
67.5°	367.9	359.9	346.9	286.1	177.6	89.2	61.3	33.4	61.3	89.2	177.6
70°	311.2	312.7	308.2	257.8	161.3	82.6	56.8	31.0	56.8	82.6	161.3
72.5°	237.4	253.7	263.5	226.8	143.5	75.3	52.3	29.4	52.3	75.3	143.5
75°	112.2	144.0	186.7	176.9	114.7	63.3	44.7	26.0	44.7	63.3	114.7
77.5°	86.2	102.9	125.5	118.1	80.7	49.1	35.2	21.2	35.2	49.1	80.7
80°	70.1	70.7	71.6	65.6	52.7	40.2	29.1	18.0	29.1	40.2	52.7
82.5°	51.4	50.9	50.0	46.0	38.8	31.3	23.1	14.8	23.1	31.3	38.8
85°	16.8	19.7	23.2	23.9	21.7	18.8	13.9	9.0	13.9	18.8	21.7
87.5°	12.4	12.0	12.0	12.4	12.6	11.6	7.8	4.4	7.8	11.2	13.4
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: P1436031

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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



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	222.7	227.3	232.3	236.5	238.7	240.8	238.7	236.5	232.3	227.3	222.7
5°	269.3	293.6	320.7	343.9	355.4	367.0	355.4	343.9	320.7	293.6	269.3
7.5°	373.4	443.6	516.3	576.6	599.7	622.8	599.7	576.6	516.3	443.6	373.4
10°	477.3	567.6	630.7	681.1	693.6	706.0	693.6	681.1	630.7	567.6	477.3
12.5°	545.2	638.9	683.2	719.6	732.4	745.2	732.4	719.6	683.2	638.9	545.2
15°	605.6	702.0	738.0	768.6	782.8	797.0	782.8	768.6	738.0	702.0	605.6
17.5°	639.0	733.0	768.7	797.3	805.1	812.8	805.1	797.3	768.7	733.0	639.0
20°	658.4	747.3	778.0	802.2	807.1	812.0	807.1	802.2	778.0	747.3	658.4
22.5°	672.6	755.6	778.8	797.5	802.8	808.0	802.8	797.5	778.8	755.6	672.6
25°	686.6	762.3	777.0	788.9	792.5	796.0	792.5	788.9	777.0	762.3	686.6
27.5°	684.3	755.0	764.6	772.7	776.1	779.6	776.1	772.7	764.6	755.0	684.3
30°	678.3	746.6	753.7	760.2	765.1	770.0	765.1	760.2	753.7	746.6	678.3
32.5°	669.2	736.0	742.7	750.5	761.0	771.6	761.0	750.5	742.7	736.0	669.2
35°	652.1	720.3	731.0	743.9	763.5	783.0	763.5	743.9	731.0	720.3	652.1
37.5°	628.6	703.0	725.3	746.7	765.6	784.4	765.6	746.7	725.3	703.0	628.6
40°	611.4	689.9	719.7	746.0	762.0	778.0	762.0	746.0	719.7	689.9	611.4
42.5°	591.7	673.2	707.9	738.0	754.0	770.0	754.0	738.0	707.9	673.2	591.7
45°	560.4	646.4	687.3	721.8	736.9	752.0	736.9	721.8	687.3	646.4	560.4
47.5°	529.9	620.1	663.5	698.8	709.8	720.8	709.8	698.8	663.5	620.1	529.9
50°	509.3	601.3	644.0	678.2	687.1	696.0	687.1	678.2	644.0	601.3	509.3
52.5°	489.0	581.7	621.9	654.0	662.2	670.4	662.2	654.0	621.9	581.7	489.0
55°	456.8	548.6	583.7	611.8	618.9	626.0	618.9	611.8	583.7	548.6	456.8
57.5°	422.5	511.2	541.1	565.0	570.8	576.6	570.8	565.0	541.1	511.2	422.5
60°	397.4	482.6	509.7	531.4	537.2	543.0	537.2	531.4	509.7	482.6	397.4
62.5°	370.2	451.1	476.1	496.2	501.6	507.0	501.6	496.2	476.1	451.1	370.2
65°	328.8	401.4	422.3	438.9	442.4	446.0	442.4	438.9	422.3	401.4	328.8
67.5°	286.1	346.9	359.9	367.9	361.3	354.6	361.3	367.9	359.9	346.9	286.1
70°	257.8	308.2	312.7	311.2	292.1	273.0	292.1	311.2	312.7	308.2	257.8
72.5°	226.8	263.5	253.7	237.4	201.2	165.0	201.2	237.4	253.7	263.5	226.8
75°	176.9	186.7	144.0	112.2	113.1	114.0	113.1	112.2	144.0	186.7	176.9
77.5°	118.1	125.5	102.9	86.2	87.0	87.8	87.0	86.2	102.9	125.5	118.1
80°	65.6	71.6	70.7	70.1	70.6	71.0	70.6	70.1	70.7	71.6	65.6
82.5°	46.0	50.0	50.9	51.4	50.8	50.2	50.8	51.4	50.9	50.0	46.0
85°	23.9	23.2	19.7	16.8	15.9	15.0	15.9	16.8	19.7	23.2	23.9
87.5°	14.0	16.1	18.9	20.5	22.1	21.3	22.1	20.5	18.9	16.1	14.0
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: P1436031

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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°	208.0	208.0	208.0	208.0
2.5°	218.4	214.2	210.3	206.4
5°	248.0	228.7	215.3	202.0
7.5°	305.9	248.4	221.3	194.2
10°	360.0	262.6	224.8	187.0
12.5°	401.9	281.6	230.3	179.0
15°	448.7	312.7	239.3	166.0
17.5°	486.5	347.8	250.2	152.6
20°	511.3	372.3	257.7	143.0
22.5°	529.7	390.6	262.4	134.2
25°	549.7	410.9	266.4	122.0
27.5°	552.5	415.4	262.8	110.2
30°	549.0	413.2	258.1	103.0
32.5°	542.3	408.2	252.4	96.6
35°	526.3	393.7	240.3	87.0
37.5°	502.2	370.9	224.8	78.8
40°	484.3	354.0	214.0	74.0
42.5°	463.5	334.3	201.7	69.2
45°	429.3	301.2	182.1	63.0
47.5°	392.8	264.1	160.7	57.2
50°	368.0	238.9	146.4	54.0
52.5°	343.7	214.4	132.6	50.8
55°	308.3	180.3	113.7	47.0
57.5°	275.1	151.2	97.4	43.6
60°	254.3	135.3	88.7	42.0
62.5°	233.5	120.8	80.2	39.6
65°	204.3	102.8	69.9	37.0
67.5°	177.6	89.2	61.3	33.4
70°	161.3	82.6	56.8	31.0
72.5°	143.5	75.3	52.3	29.4
75°	114.7	63.3	44.7	26.0
77.5°	80.7	49.1	35.2	21.2
80°	52.7	40.2	29.1	18.0
82.5°	38.8	31.3	23.1	14.8
85°	21.7	18.8	13.9	9.0
87.5°	13.4	11.2	7.8	4.4
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: P1436031

CATALOG NUMBER: SQ2W-FB-K-150U-050D-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: P1436031
 CATALOG NUMBER: SQ2W-FB-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	7.63	8.33	8.77	9.45	11.03	17.23	17.92	18.36	19.05	20.62
	3H	8.56	9.18	9.70	10.31	11.90	18.82	19.44	19.96	20.58	22.17
	4H	8.95	9.54	10.10	10.67	12.27	18.99	19.58	20.14	20.71	22.31
	6H	9.19	9.74	10.35	10.87	12.48	19.05	19.60	20.21	20.74	22.34
	8H	9.28	9.80	10.44	10.95	12.55	19.07	19.58	20.23	20.74	22.34
	12H	9.32	9.81	10.49	10.96	12.58	19.04	19.53	20.21	20.68	22.30
4H	2H	12.33	12.92	13.49	14.06	15.65	17.57	18.16	18.73	19.30	20.89
	3H	13.44	13.93	14.61	15.09	16.70	19.44	19.93	20.61	21.10	22.70
	4H	13.71	14.17	14.88	15.32	16.94	19.66	20.11	20.82	21.26	22.88
	6H	13.84	14.23	15.01	15.40	17.02	19.78	20.16	20.95	21.34	22.95
	8H	13.87	14.24	15.05	15.40	17.03	19.82	20.18	20.99	21.34	22.98
	12H	13.87	14.20	15.06	15.37	17.01	19.79	20.12	20.98	21.29	22.93
8H	4H	14.89	15.25	16.06	16.42	18.05	19.73	20.09	20.90	21.26	22.89
	6H	15.14	15.44	16.33	16.65	18.28	19.92	20.22	21.11	21.43	23.05
	8H	15.24	15.50	16.44	16.68	18.33	20.01	20.27	21.21	21.45	23.10
	12H	15.27	15.50	16.47	16.68	18.36	20.01	20.23	21.21	21.42	23.10
12H	4H	14.91	15.24	16.10	16.41	18.05	19.67	20.00	20.86	21.18	22.82
	6H	15.25	15.51	16.44	16.69	18.34	19.90	20.16	21.10	21.35	23.00
	8H	15.38	15.60	16.58	16.79	18.47	19.99	20.22	21.19	21.40	23.08