

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: P1436032

Luminaire Tested: SQ2W-FB-K-150U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436032
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

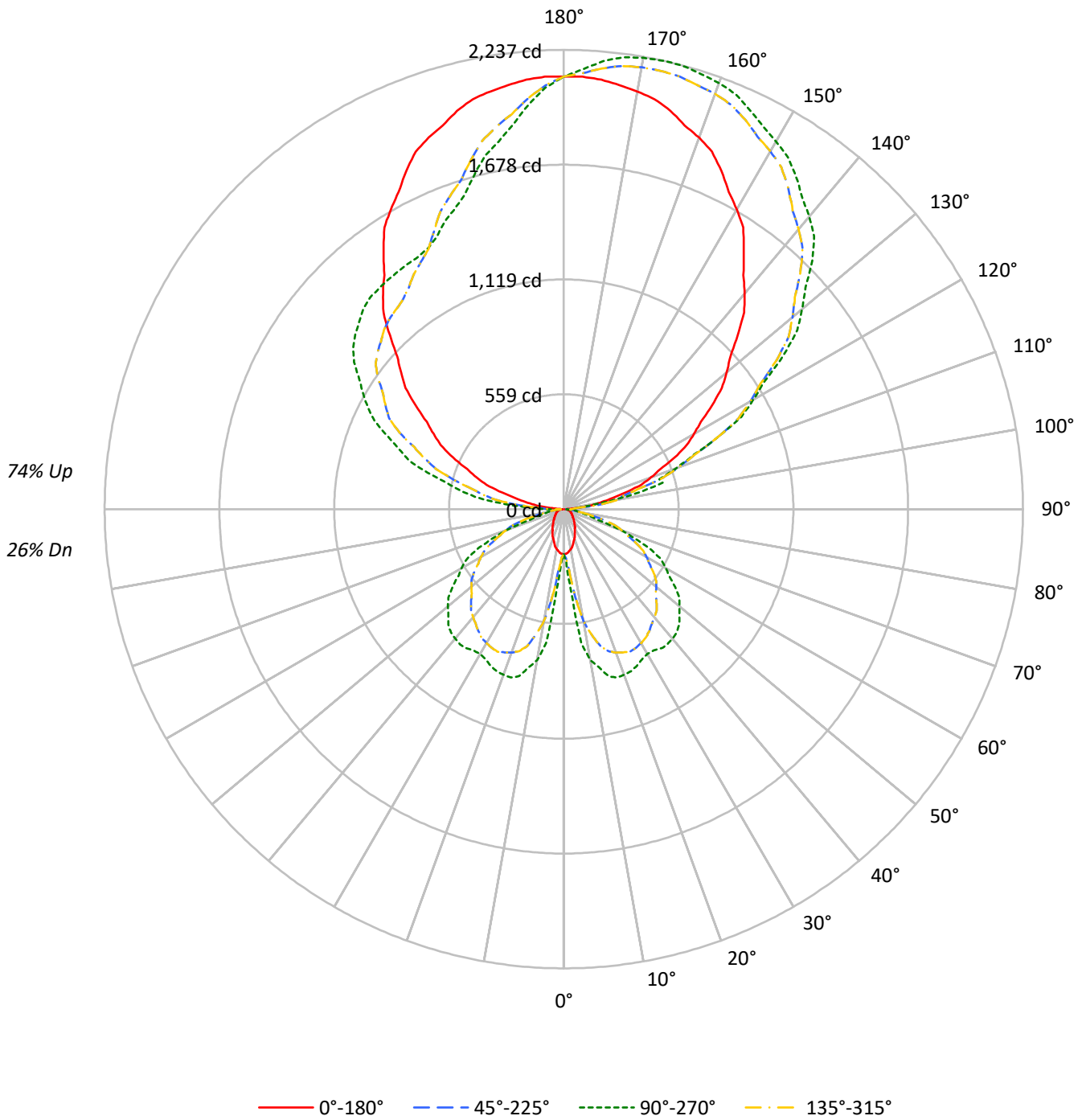
Lumens per Lamp: N/A
Luminaire Lumens: 8332.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
Input Voltage (V): 120
Input Current (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	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°	3552	3552	3552	3552
5°	3463	6292	3463	6292
10°	3243	12244	3243	12244
15°	2935	14091	2935	14091
20°	2600	14757	2600	14757
25°	2298	15000	2298	15000
30°	2032	15185	2032	15185
35°	1813	16324	1813	16324
40°	1650	17344	1650	17344
45°	1521	18162	1521	18162
50°	1434	18492	1434	18492
55°	1399	18640	1399	18640
60°	1434	18548	1434	18548
65°	1494	18024	1494	18024
70°	1548	13633	1548	13633
75°	1715	7523	1715	7523
80°	1767	6983	1767	6983
85°	1760	2945	1760	2945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 18807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	0.4
10°-20°	168.2	2.0
20°-30°	296.0	3.6
30°-40°	383.1	4.6
40°-50°	422.5	5.1
50°-60°	394.3	4.7
60°-70°	304.7	3.7
70°-80°	140.4	1.7
80°-90°	35.6	0.4
90°-100°	167.6	2.0
100°-110°	488.9	5.9
110°-120°	797.8	9.6
120°-130°	1012.4	12.2
130°-140°	1083.3	13.0
140°-150°	1011.5	12.1
150°-160°	832.4	10.0
160°-170°	558.2	6.7
170°-180°	198.2	2.4
0°-30°	501.0	6.0
0°-40°	884.1	10.6
0°-60°	1701.0	20.4
0°-90°	2181.7	26.2
90°-120°	1454.3	17.5
90°-150°	4561.5	54.7
90°-180°	6150.0	73.8
0°-180°	8332.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	220	220	220	220	220	
5°	214	388	214	388	214	20
15°	176	843	176	843	176	49
25°	129	842	129	842	129	59
35°	92	828	92	828	92	58
45°	67	795	67	795	67	52
55°	50	662	50	662	50	45
65°	39	472	39	472	39	38
75°	28	121	28	121	28	28
85°	10	16	10	16	10	10
90°	6	47	6	92	6	6
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	218.3	222.5	226.6	231.0	235.5	240.4	245.7	250.2	252.5	254.7	252.5
5°	213.7	227.8	241.9	262.3	284.9	310.5	339.2	363.8	376.0	388.2	376.0
7.5°	205.4	234.1	262.8	323.5	395.0	469.2	546.1	609.9	634.3	658.8	634.3
10°	197.8	237.8	277.7	380.8	504.9	600.3	667.1	720.5	733.6	746.8	733.6
12.5°	189.3	243.6	297.8	425.1	576.7	675.8	722.7	761.2	774.7	788.3	774.7
15°	175.6	253.2	330.7	474.6	640.5	742.6	780.6	813.0	828.0	843.0	828.0
17.5°	161.4	264.7	367.9	514.6	675.9	775.4	813.1	843.4	851.6	859.8	851.6
20°	151.3	272.6	393.8	540.9	696.5	790.5	822.9	848.6	853.7	858.9	853.7
22.5°	142.0	277.5	413.1	560.3	711.4	799.3	823.8	843.6	849.1	854.7	849.1
25°	129.0	281.8	434.6	581.4	726.2	806.4	821.9	834.5	838.2	842.0	838.2
27.5°	116.6	278.0	439.4	584.4	723.8	798.6	808.8	817.3	821.0	824.6	821.0
30°	109.0	273.0	437.1	580.7	717.5	789.7	797.2	804.1	809.3	814.5	809.3
32.5°	102.2	267.0	431.8	573.7	707.8	778.5	785.6	793.8	805.0	816.2	805.0
35°	92.0	254.2	416.4	556.7	689.8	762.0	773.2	786.9	807.6	828.2	807.6
37.5°	83.4	237.8	392.3	531.2	664.9	743.6	767.2	789.9	809.8	829.7	809.8
40°	78.3	226.4	374.5	512.3	646.8	729.7	761.2	789.1	806.0	822.9	806.0
42.5°	73.2	213.4	353.6	490.3	625.9	712.1	748.8	780.6	797.6	814.5	797.6
45°	66.6	192.6	318.6	454.1	592.8	683.8	727.0	763.5	779.5	795.4	779.5
47.5°	60.5	169.9	279.4	415.5	560.5	655.9	701.8	739.1	750.8	762.4	750.8
50°	57.1	154.9	252.7	389.3	538.8	636.1	681.2	717.4	726.8	736.2	726.8
52.5°	53.7	140.2	226.7	363.6	517.2	615.3	657.8	691.8	700.5	709.1	700.5
55°	49.7	120.2	190.8	326.1	483.2	580.2	617.4	647.1	654.6	662.2	654.6
57.5°	46.1	103.0	159.9	291.0	446.9	540.7	572.4	597.7	603.8	609.9	603.8
60°	44.4	93.8	143.2	269.0	420.4	510.4	539.1	562.1	568.3	574.4	568.3
62.5°	41.9	84.9	127.8	247.0	391.6	477.2	503.6	524.8	530.6	536.3	530.6
65°	39.1	73.9	108.7	216.1	347.8	424.6	446.7	464.2	468.0	471.8	468.0
67.5°	35.3	64.9	94.4	187.9	302.7	366.9	380.7	389.2	382.1	375.1	382.1
70°	32.8	60.1	87.3	170.7	272.7	326.0	330.7	329.2	309.0	288.8	309.0
72.5°	31.1	55.4	79.6	151.8	239.9	278.7	268.4	251.1	212.8	174.5	212.8
75°	27.5	47.2	67.0	121.3	187.1	197.5	152.3	118.7	119.6	120.6	119.6
77.5°	22.4	37.2	51.9	85.3	124.9	132.8	108.9	91.2	92.0	92.9	92.0
80°	19.0	30.8	42.5	55.7	69.3	75.7	74.7	74.2	74.6	75.1	74.6
82.5°	15.7	24.4	33.1	41.0	48.7	52.9	53.9	54.4	53.8	53.1	53.8
85°	9.5	14.7	19.9	22.9	25.3	24.6	20.8	17.7	16.8	15.9	16.8
87.5°	4.7	8.2	12.3	13.3	13.1	12.7	12.7	13.2	13.6	13.6	13.6
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	250.2	245.7	240.4	235.5	231.0	226.6	222.5	218.3	222.5	226.6	231.0
5°	363.8	339.2	310.5	284.9	262.3	241.9	227.8	213.7	227.8	241.9	262.3
7.5°	609.9	546.1	469.2	395.0	323.5	262.8	234.1	205.4	234.1	262.8	323.5
10°	720.5	667.1	600.3	504.9	380.8	277.7	237.8	197.8	237.8	277.7	380.8
12.5°	761.2	722.7	675.8	576.7	425.1	297.8	243.6	189.3	243.6	297.8	425.1
15°	813.0	780.6	742.6	640.5	474.6	330.7	253.2	175.6	253.2	330.7	474.6
17.5°	843.4	813.1	775.4	675.9	514.6	367.9	264.7	161.4	264.7	367.9	514.6
20°	848.6	822.9	790.5	696.5	540.9	393.8	272.6	151.3	272.6	393.8	540.9
22.5°	843.6	823.8	799.3	711.4	560.3	413.1	277.5	142.0	277.5	413.1	560.3
25°	834.5	821.9	806.4	726.2	581.4	434.6	281.8	129.0	281.8	434.6	581.4
27.5°	817.3	808.8	798.6	723.8	584.4	439.4	278.0	116.6	278.0	439.4	584.4
30°	804.1	797.2	789.7	717.5	580.7	437.1	273.0	109.0	273.0	437.1	580.7
32.5°	793.8	785.6	778.5	707.8	573.7	431.8	267.0	102.2	267.0	431.8	573.7
35°	786.9	773.2	762.0	689.8	556.7	416.4	254.2	92.0	254.2	416.4	556.7
37.5°	789.9	767.2	743.6	664.9	531.2	392.3	237.8	83.4	237.8	392.3	531.2
40°	789.1	761.2	729.7	646.8	512.3	374.5	226.4	78.3	226.4	374.5	512.3
42.5°	780.6	748.8	712.1	625.9	490.3	353.6	213.4	73.2	213.4	353.6	490.3
45°	763.5	727.0	683.8	592.8	454.1	318.6	192.6	66.6	192.6	318.6	454.1
47.5°	739.1	701.8	655.9	560.5	415.5	279.4	169.9	60.5	169.9	279.4	415.5
50°	717.4	681.2	636.1	538.8	389.3	252.7	154.9	57.1	154.9	252.7	389.3
52.5°	691.8	657.8	615.3	517.2	363.6	226.7	140.2	53.7	140.2	226.7	363.6
55°	647.1	617.4	580.2	483.2	326.1	190.8	120.2	49.7	120.2	190.8	326.1
57.5°	597.7	572.4	540.7	446.9	291.0	159.9	103.0	46.1	103.0	159.9	291.0
60°	562.1	539.1	510.4	420.4	269.0	143.2	93.8	44.4	93.8	143.2	269.0
62.5°	524.8	503.6	477.2	391.6	247.0	127.8	84.9	41.9	84.9	127.8	247.0
65°	464.2	446.7	424.6	347.8	216.1	108.7	73.9	39.1	73.9	108.7	216.1
67.5°	389.2	380.7	366.9	302.7	187.9	94.4	64.9	35.3	64.9	94.4	187.9
70°	329.2	330.7	326.0	272.7	170.7	87.3	60.1	32.8	60.1	87.3	170.7
72.5°	251.1	268.4	278.7	239.9	151.8	79.6	55.4	31.1	55.4	79.6	151.8
75°	118.7	152.3	197.5	187.1	121.3	67.0	47.2	27.5	47.2	67.0	121.3
77.5°	91.2	108.9	132.8	124.9	85.3	51.9	37.2	22.4	37.2	51.9	85.3
80°	74.2	74.7	75.7	69.3	55.7	42.5	30.8	19.0	30.8	42.5	55.7
82.5°	54.4	53.9	52.9	48.7	41.0	33.1	24.4	15.7	24.4	33.1	41.0
85°	17.7	20.8	24.6	25.3	22.9	19.9	14.7	9.5	14.7	19.9	22.9
87.5°	13.2	12.7	12.7	13.1	13.3	12.3	8.2	4.7	8.2	11.8	14.1
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1436032

CATALOG NUMBER: SQ2W-FB-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1436032

CATALOG NUMBER: SQ2W-FB-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	235.5	240.4	245.7	250.2	252.5	254.7	252.5	250.2	245.7	240.4	235.5
5°	284.9	310.5	339.2	363.8	376.0	388.2	376.0	363.8	339.2	310.5	284.9
7.5°	395.0	469.2	546.1	609.9	634.3	658.8	634.3	609.9	546.1	469.2	395.0
10°	504.9	600.3	667.1	720.5	733.6	746.8	733.6	720.5	667.1	600.3	504.9
12.5°	576.7	675.8	722.7	761.2	774.7	788.3	774.7	761.2	722.7	675.8	576.7
15°	640.5	742.6	780.6	813.0	828.0	843.0	828.0	813.0	780.6	742.6	640.5
17.5°	675.9	775.4	813.1	843.4	851.6	859.8	851.6	843.4	813.1	775.4	675.9
20°	696.5	790.5	822.9	848.6	853.7	858.9	853.7	848.6	822.9	790.5	696.5
22.5°	711.4	799.3	823.8	843.6	849.1	854.7	849.1	843.6	823.8	799.3	711.4
25°	726.2	806.4	821.9	834.5	838.2	842.0	838.2	834.5	821.9	806.4	726.2
27.5°	723.8	798.6	808.8	817.3	821.0	824.6	821.0	817.3	808.8	798.6	723.8
30°	717.5	789.7	797.2	804.1	809.3	814.5	809.3	804.1	797.2	789.7	717.5
32.5°	707.8	778.5	785.6	793.8	805.0	816.2	805.0	793.8	785.6	778.5	707.8
35°	689.8	762.0	773.2	786.9	807.6	828.2	807.6	786.9	773.2	762.0	689.8
37.5°	664.9	743.6	767.2	789.9	809.8	829.7	809.8	789.9	767.2	743.6	664.9
40°	646.8	729.7	761.2	789.1	806.0	822.9	806.0	789.1	761.2	729.7	646.8
42.5°	625.9	712.1	748.8	780.6	797.6	814.5	797.6	780.6	748.8	712.1	625.9
45°	592.8	683.8	727.0	763.5	779.5	795.4	779.5	763.5	727.0	683.8	592.8
47.5°	560.5	655.9	701.8	739.1	750.8	762.4	750.8	739.1	701.8	655.9	560.5
50°	538.8	636.1	681.2	717.4	726.8	736.2	726.8	717.4	681.2	636.1	538.8
52.5°	517.2	615.3	657.8	691.8	700.5	709.1	700.5	691.8	657.8	615.3	517.2
55°	483.2	580.2	617.4	647.1	654.6	662.2	654.6	647.1	617.4	580.2	483.2
57.5°	446.9	540.7	572.4	597.7	603.8	609.9	603.8	597.7	572.4	540.7	446.9
60°	420.4	510.4	539.1	562.1	568.3	574.4	568.3	562.1	539.1	510.4	420.4
62.5°	391.6	477.2	503.6	524.8	530.6	536.3	530.6	524.8	503.6	477.2	391.6
65°	347.8	424.6	446.7	464.2	468.0	471.8	468.0	464.2	446.7	424.6	347.8
67.5°	302.7	366.9	380.7	389.2	382.1	375.1	382.1	389.2	380.7	366.9	302.7
70°	272.7	326.0	330.7	329.2	309.0	288.8	309.0	329.2	330.7	326.0	272.7
72.5°	239.9	278.7	268.4	251.1	212.8	174.5	212.8	251.1	268.4	278.7	239.9
75°	187.1	197.5	152.3	118.7	119.6	120.6	119.6	118.7	152.3	197.5	187.1
77.5°	124.9	132.8	108.9	91.2	92.0	92.9	92.0	91.2	108.9	132.8	124.9
80°	69.3	75.7	74.7	74.2	74.6	75.1	74.6	74.2	74.7	75.7	69.3
82.5°	48.7	52.9	53.9	54.4	53.8	53.1	53.8	54.4	53.9	52.9	48.7
85°	25.3	24.6	20.8	17.7	16.8	15.9	16.8	17.7	20.8	24.6	25.3
87.5°	14.8	17.0	20.0	21.7	23.4	22.5	23.4	21.7	20.0	17.0	14.8
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1436032

CATALOG NUMBER: SQ2W-FB-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1436032

CATALOG NUMBER: SQ2W-FB-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	220.0	220.0	220.0	220.0
2.5°	231.0	226.6	222.5	218.3
5°	262.3	241.9	227.8	213.7
7.5°	323.5	262.8	234.1	205.4
10°	380.8	277.7	237.8	197.8
12.5°	425.1	297.8	243.6	189.3
15°	474.6	330.7	253.2	175.6
17.5°	514.6	367.9	264.7	161.4
20°	540.9	393.8	272.6	151.3
22.5°	560.3	413.1	277.5	142.0
25°	581.4	434.6	281.8	129.0
27.5°	584.4	439.4	278.0	116.6
30°	580.7	437.1	273.0	109.0
32.5°	573.7	431.8	267.0	102.2
35°	556.7	416.4	254.2	92.0
37.5°	531.2	392.3	237.8	83.4
40°	512.3	374.5	226.4	78.3
42.5°	490.3	353.6	213.4	73.2
45°	454.1	318.6	192.6	66.6
47.5°	415.5	279.4	169.9	60.5
50°	389.3	252.7	154.9	57.1
52.5°	363.6	226.7	140.2	53.7
55°	326.1	190.8	120.2	49.7
57.5°	291.0	159.9	103.0	46.1
60°	269.0	143.2	93.8	44.4
62.5°	247.0	127.8	84.9	41.9
65°	216.1	108.7	73.9	39.1
67.5°	187.9	94.4	64.9	35.3
70°	170.7	87.3	60.1	32.8
72.5°	151.8	79.6	55.4	31.1
75°	121.3	67.0	47.2	27.5
77.5°	85.3	51.9	37.2	22.4
80°	55.7	42.5	30.8	19.0
82.5°	41.0	33.1	24.4	15.7
85°	22.9	19.9	14.7	9.5
87.5°	14.1	11.8	8.2	4.7
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



TEST NUMBER: P1436032

CATALOG NUMBER: SQ2W-FB-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1436032
 CATALOG NUMBER: SQ2W-FB-K-150U-050D-L940-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	7.83	8.52	8.96	9.65	11.22	17.42	18.12	18.56	19.24	20.82
	3H	8.75	9.37	9.89	10.51	12.10	19.01	19.64	20.16	20.77	22.36
	4H	9.14	9.73	10.29	10.87	12.46	19.18	19.77	20.33	20.91	22.50
	6H	9.39	9.93	10.55	11.07	12.67	19.25	19.79	20.41	20.93	22.54
	8H	9.47	9.99	10.64	11.14	12.74	19.26	19.78	20.42	20.93	22.53
	12H	9.52	10.01	10.68	11.15	12.78	19.23	19.72	20.40	20.87	22.49
4H	2H	12.52	13.11	13.68	14.25	15.84	17.77	18.36	18.93	19.49	21.09
	3H	13.64	14.13	14.80	15.29	16.90	19.64	20.13	20.80	21.29	22.90
	4H	13.91	14.36	15.08	15.51	17.14	19.85	20.30	21.02	21.45	23.08
	6H	14.03	14.42	15.21	15.60	17.21	19.97	20.36	21.14	21.53	23.15
	8H	14.07	14.43	15.24	15.60	17.23	20.01	20.37	21.18	21.54	23.17
	12H	14.06	14.39	15.25	15.57	17.20	19.99	20.31	21.17	21.49	23.13
8H	4H	15.09	15.45	16.26	16.61	18.25	19.93	20.29	21.10	21.45	23.09
	6H	15.34	15.64	16.53	16.84	18.47	20.12	20.41	21.31	21.62	23.25
	8H	15.43	15.69	16.63	16.88	18.53	20.20	20.46	21.40	21.65	23.30
	12H	15.47	15.69	16.67	16.88	18.56	20.20	20.43	21.40	21.61	23.29
12H	4H	15.10	15.43	16.29	16.61	18.24	19.87	20.20	21.06	21.37	23.01
	6H	15.44	15.70	16.64	16.89	18.54	20.10	20.36	21.29	21.54	23.19
	8H	15.57	15.80	16.77	16.98	18.66	20.19	20.42	21.39	21.60	23.28