

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: P1428299

Luminaire Tested: SQ2W-PR1-K-150U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428299
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-150U-050D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

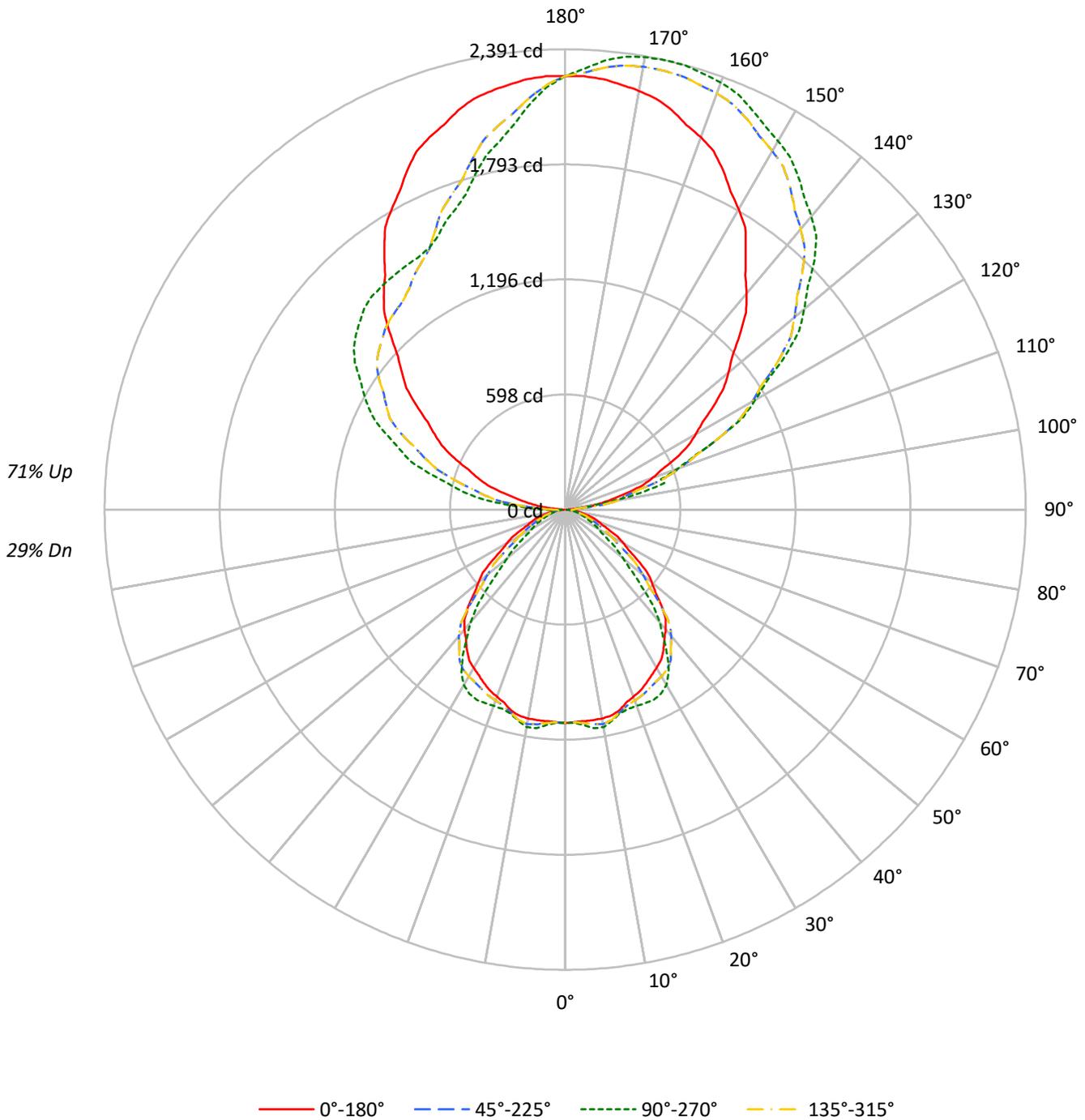
Lumens per Lamp: N/A
Luminaire Lumens: 9251.8 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37	29				
1	93	89	86	82	84	80	77	74	63	61	59	47	46	45	33	32	32	25				
2	85	78	73	68	76	70	66	62	56	52	50	42	40	38	29	28	27	22				
3	78	69	62	57	70	62	56	52	49	45	42	37	35	33	26	25	23	19				
4	71	61	54	48	64	55	49	44	44	40	36	33	31	28	24	22	20	16				
5	66	55	47	41	59	49	43	38	39	35	31	30	27	24	21	20	18	14				
6	60	49	41	36	54	44	38	33	35	31	27	27	24	21	20	17	16	13				
7	56	44	37	31	50	40	33	29	32	27	24	25	21	19	18	16	14	11				
8	52	40	33	27	46	36	30	25	29	24	21	23	19	17	16	14	13	10				
9	48	36	29	24	43	33	27	23	27	22	19	21	17	15	15	13	11	9				
10	45	33	26	22	40	30	24	20	25	20	17	19	16	14	14	12	10	8				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17909	17909	17909	17909
5°	17885	18215	17885	18215
10°	18073	18814	18073	18814
15°	18067	18313	18067	18313
20°	17775	18649	17775	18649
25°	17726	19416	17726	19416
30°	17706	19603	17706	19603
35°	17538	18252	17538	18252
40°	17133	16062	17133	16062
45°	16212	12702	16212	12702
50°	14739	9854	14739	9854
55°	12954	7671	12954	7671
60°	11208	6316	11208	6316
65°	9677	5528	9677	5528
70°	8700	4909	8700	4909
75°	7972	4516	7972	4516
80°	6936	4416	6936	4416
85°	5020	2093	5020	2093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 17406 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	1.2
10°-20°	310.1	3.4
20°-30°	479.3	5.2
30°-40°	576.4	6.2
40°-50°	517.6	5.6
50°-60°	346.8	3.7
60°-70°	201.8	2.2
70°-80°	103.6	1.1
80°-90°	34.9	0.4
90°-100°	179.2	1.9
100°-110°	522.6	5.6
110°-120°	852.8	9.2
120°-130°	1082.1	11.7
130°-140°	1157.9	12.5
140°-150°	1081.2	11.7
150°-160°	889.7	9.6
160°-170°	596.7	6.4
170°-180°	211.9	2.3
0°-30°	896.5	9.7
0°-40°	1473.0	15.9
0°-60°	2337.5	25.3
0°-90°	2677.8	28.9
90°-120°	1554.5	16.8
90°-150°	4875.8	52.7
90°-180°	6574.0	71.1
0°-180°	9251.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1109	1109	1109	1109	1109	
5°	1104	1124	1104	1124	1104	105
15°	1081	1096	1081	1096	1081	304
25°	995	1090	995	1090	995	459
35°	890	926	890	926	890	555
45°	710	556	710	556	710	543
55°	460	272	460	272	460	414
65°	253	145	253	145	253	256
75°	128	72	128	72	128	136
85°	27	11	27	11	27	34
90°	7	50	7	98	7	6
95°	70	52	70	307	70	85
105°	332	532	332	732	332	353
115°	637	882	637	1087	637	628
125°	942	1399	942	1333	942	842
135°	1280	1831	1280	1476	1280	989
145°	1635	2110	1635	1508	1635	1023
155°	1942	2292	1942	1565	1942	893
165°	2147	2390	2147	1801	2147	604
175°	2245	2340	2245	2113	2245	213
180°	2252	2252	2252	2252	2252	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2
2.5°	1104.6	1110.7	1116.7	1114.0	1108.4	1105.8	1106.2	1106.8	1108.0	1109.2	1108.0
5°	1103.5	1112.1	1120.6	1118.6	1113.1	1110.8	1111.8	1113.8	1118.8	1123.9	1118.8
7.5°	1103.3	1115.5	1127.6	1128.5	1125.7	1125.8	1128.7	1132.5	1139.2	1145.8	1139.2
10°	1102.4	1117.0	1131.5	1133.7	1131.7	1130.9	1131.4	1133.5	1140.6	1147.6	1140.6
12.5°	1097.0	1113.9	1130.9	1129.1	1121.1	1116.7	1116.0	1116.5	1120.3	1124.1	1120.3
15°	1080.9	1101.0	1121.1	1112.9	1095.4	1087.3	1088.8	1090.6	1093.1	1095.6	1093.1
17.5°	1052.6	1073.6	1094.6	1087.3	1070.5	1064.8	1070.3	1075.6	1080.5	1085.4	1080.5
20°	1034.5	1055.2	1075.8	1070.7	1057.2	1053.9	1060.9	1068.3	1076.9	1085.4	1076.9
22.5°	1018.3	1038.9	1059.5	1056.3	1045.1	1044.4	1054.3	1064.6	1076.4	1088.1	1076.4
25°	995.0	1013.1	1031.2	1031.5	1026.0	1031.5	1048.1	1063.8	1076.9	1089.9	1076.9
27.5°	970.6	981.2	991.9	998.9	1004.7	1018.8	1041.3	1060.4	1069.5	1078.6	1069.5
30°	949.7	956.8	963.8	976.9	992.0	1009.3	1028.9	1044.5	1048.0	1051.5	1048.0
32.5°	927.1	931.4	935.6	954.0	977.1	993.8	1004.2	1010.8	1006.3	1001.8	1006.3
35°	889.8	893.3	896.9	920.4	950.5	961.6	953.5	945.1	935.6	926.0	935.6
37.5°	845.5	852.7	860.0	879.1	902.2	902.0	878.5	858.1	847.2	836.2	847.2
40°	812.9	825.0	837.1	849.9	862.9	851.9	816.7	787.2	774.6	762.1	774.6
42.5°	773.1	792.4	811.7	814.6	812.0	788.3	743.4	706.0	690.6	675.2	690.6
45°	710.0	736.2	762.3	747.4	718.7	680.0	631.3	590.5	573.4	556.3	573.4
47.5°	635.7	662.5	689.3	661.1	614.6	569.6	526.1	489.4	473.4	457.5	473.4
50°	586.8	608.4	630.0	598.1	548.4	503.1	462.4	427.5	409.9	392.3	409.9
52.5°	537.1	552.6	568.2	536.6	489.3	445.3	404.5	370.0	354.0	338.1	354.0
55°	460.2	468.2	476.3	447.0	405.3	365.1	326.4	294.6	283.5	272.5	283.5
57.5°	389.6	394.7	399.9	372.1	333.4	297.7	264.8	238.1	230.0	221.8	230.0
60°	347.1	350.6	354.1	326.0	287.3	255.2	229.5	208.7	202.1	195.6	202.1
62.5°	308.2	310.9	313.6	286.5	249.4	220.7	200.3	183.7	178.8	173.9	178.8
65°	253.3	255.8	258.3	235.2	203.5	179.9	164.3	151.8	148.2	144.7	148.2
67.5°	209.6	210.9	212.2	193.2	167.4	148.3	136.1	126.0	122.7	119.4	122.7
70°	184.3	184.8	185.3	168.5	145.9	129.0	118.0	109.0	106.5	104.0	106.5
72.5°	161.7	161.0	160.3	145.3	125.5	111.0	102.0	94.8	93.1	91.4	93.1
75°	127.8	126.3	124.7	112.3	96.2	85.2	79.1	74.4	73.4	72.4	73.4
77.5°	95.4	93.8	92.2	81.9	68.6	61.0	58.9	57.4	57.4	57.4	57.4
80°	74.6	72.6	70.6	62.6	52.5	47.5	47.5	47.5	47.5	47.5	47.5
82.5°	55.6	52.8	50.0	45.1	39.4	36.6	36.6	36.5	36.1	35.7	36.1
85°	27.1	24.6	22.1	21.5	21.5	20.0	17.0	14.3	12.8	11.3	12.8
87.5°	8.6	10.4	12.7	13.0	12.4	11.8	11.8	12.3	12.7	12.7	12.7
90°	6.8	15.9	27.3	36.4	43.2	45.5	45.5	47.8	50.0	50.0	50.0
92.5°	25.0	39.6	40.0	40.0	48.7	52.8	56.4	56.9	59.1	59.1	59.1
95°	70.5	77.3	116.0	113.7	77.3	61.4	52.3	52.3	52.3	52.3	52.3
97.5°	134.6	144.6	151.0	202.4	213.8	206.5	168.3	141.5	126.4	119.6	126.4
100°	191.0	195.6	209.2	211.5	268.4	322.9	295.7	261.5	250.2	243.3	250.2
102.5°	247.4	250.2	271.1	280.6	293.8	324.8	419.4	408.9	401.2	399.8	401.2
105°	332.0	334.3	373.0	391.2	400.3	400.3	398.0	443.5	516.3	532.2	516.3
107.5°	422.6	433.0	478.5	527.2	537.6	540.4	528.5	521.7	519.0	520.8	519.0
110°	484.4	500.3	554.9	616.3	632.2	636.8	632.2	625.4	620.9	620.9	620.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	544.5	567.7	629.5	700.0	726.9	740.5	730.5	725.5	720.9	724.6	720.9
115°	636.8	670.9	752.8	825.6	880.1	887.0	884.7	884.7	882.4	882.4	882.4
117.5°	722.3	776.9	868.8	953.4	1016.6	1034.8	1043.9	1041.2	1038.4	1043.0	1038.4
120°	782.3	846.0	950.6	1046.2	1107.6	1134.9	1144.0	1139.4	1144.0	1139.4	1144.0
122.5°	846.0	924.3	1027.1	1126.2	1198.5	1229.5	1240.4	1241.3	1242.2	1239.5	1242.2
125°	941.5	1037.1	1157.6	1259.9	1335.0	1371.4	1380.5	1382.8	1387.3	1398.7	1387.3
127.5°	1038.0	1146.2	1278.6	1377.3	1454.2	1498.3	1512.4	1517.4	1526.9	1531.9	1526.9
130°	1105.3	1228.1	1362.3	1455.5	1530.6	1578.3	1603.4	1610.2	1621.6	1619.3	1621.6
132.5°	1176.3	1304.5	1440.5	1537.4	1607.0	1658.4	1679.8	1699.3	1703.4	1706.6	1703.4
135°	1280.4	1419.1	1555.6	1651.1	1717.1	1767.1	1794.4	1812.6	1824.0	1830.8	1824.0
137.5°	1390.0	1536.5	1667.5	1752.6	1819.0	1862.2	1893.1	1912.2	1924.0	1929.5	1924.0
140°	1464.6	1605.6	1733.0	1821.7	1880.8	1924.0	1951.3	1974.1	1987.7	1987.7	1987.7
142.5°	1535.6	1674.8	1798.5	1887.2	1939.0	1978.6	2007.7	2025.0	2040.5	2040.5	2040.5
145°	1635.2	1773.9	1887.6	1976.3	2019.6	2055.9	2087.8	2101.4	2110.5	2110.5	2110.5
147.5°	1739.4	1862.2	1965.9	2050.9	2087.3	2130.1	2155.1	2166.0	2177.4	2172.4	2177.4
150°	1801.2	1914.9	2015.0	2094.6	2131.0	2171.9	2196.9	2206.0	2217.4	2210.6	2217.4
152.5°	1861.3	1969.5	2060.5	2134.6	2165.6	2206.5	2235.2	2244.2	2252.0	2247.0	2252.0
155°	1942.2	2037.7	2121.9	2190.1	2217.4	2256.1	2283.4	2294.7	2303.8	2292.5	2303.8
157.5°	2014.5	2096.9	2170.1	2232.9	2262.0	2295.2	2320.7	2334.8	2343.9	2338.9	2343.9
160°	2058.2	2133.3	2199.2	2258.3	2285.6	2315.2	2342.5	2358.4	2367.5	2360.7	2367.5
162.5°	2094.6	2162.4	2224.7	2278.4	2302.0	2327.9	2360.7	2374.8	2383.9	2375.2	2383.9
165°	2146.9	2201.5	2256.1	2301.6	2322.0	2342.5	2376.6	2392.5	2399.4	2390.3	2399.4
167.5°	2186.5	2228.3	2272.5	2311.6	2326.6	2346.6	2380.7	2393.9	2402.5	2391.2	2402.5
170°	2208.3	2244.7	2283.4	2315.2	2326.6	2344.8	2378.9	2390.3	2397.1	2385.7	2397.1
172.5°	2226.5	2253.8	2285.2	2313.4	2319.3	2333.9	2366.2	2377.5	2382.5	2373.0	2382.5
175°	2244.7	2260.6	2283.4	2301.6	2299.3	2308.4	2335.7	2344.8	2353.9	2340.2	2353.9
177.5°	2253.3	2260.6	2267.9	2278.8	2271.5	2271.5	2291.6	2297.0	2298.8	2291.6	2298.8
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2
2.5°	1106.8	1106.2	1105.8	1108.4	1114.0	1116.7	1110.7	1104.6	1110.7	1116.7	1114.0
5°	1113.8	1111.8	1110.8	1113.1	1118.6	1120.6	1112.1	1103.5	1112.1	1120.6	1118.6
7.5°	1132.5	1128.7	1125.8	1125.7	1128.5	1127.6	1115.5	1103.3	1115.5	1127.6	1128.5
10°	1133.5	1131.4	1130.9	1131.7	1133.7	1131.5	1117.0	1102.4	1117.0	1131.5	1133.7
12.5°	1116.5	1116.0	1116.7	1121.1	1129.1	1130.9	1113.9	1097.0	1113.9	1130.9	1129.1
15°	1090.6	1088.8	1087.3	1095.4	1112.9	1121.1	1101.0	1080.9	1101.0	1121.1	1112.9
17.5°	1075.6	1070.3	1064.8	1070.5	1087.3	1094.6	1073.6	1052.6	1073.6	1094.6	1087.3
20°	1068.3	1060.9	1053.9	1057.2	1070.7	1075.8	1055.2	1034.5	1055.2	1075.8	1070.7
22.5°	1064.6	1054.3	1044.4	1045.1	1056.3	1059.5	1038.9	1018.3	1038.9	1059.5	1056.3
25°	1063.8	1048.1	1031.5	1026.0	1031.5	1031.2	1013.1	995.0	1013.1	1031.2	1031.5
27.5°	1060.4	1041.3	1018.8	1004.7	998.9	991.9	981.2	970.6	981.2	991.9	998.9
30°	1044.5	1028.9	1009.3	992.0	976.9	963.8	956.8	949.7	956.8	963.8	976.9
32.5°	1010.8	1004.2	993.8	977.1	954.0	935.6	931.4	927.1	931.4	935.6	954.0
35°	945.1	953.5	961.6	950.5	920.4	896.9	893.3	889.8	893.3	896.9	920.4
37.5°	858.1	878.5	902.0	902.2	879.1	860.0	852.7	845.5	852.7	860.0	879.1
40°	787.2	816.7	851.9	862.9	849.9	837.1	825.0	812.9	825.0	837.1	849.9
42.5°	706.0	743.4	788.3	812.0	814.6	811.7	792.4	773.1	792.4	811.7	814.6
45°	590.5	631.3	680.0	718.7	747.4	762.3	736.2	710.0	736.2	762.3	747.4
47.5°	489.4	526.1	569.6	614.6	661.1	689.3	662.5	635.7	662.5	689.3	661.1
50°	427.5	462.4	503.1	548.4	598.1	630.0	608.4	586.8	608.4	630.0	598.1
52.5°	370.0	404.5	445.3	489.3	536.6	568.2	552.6	537.1	552.6	568.2	536.6
55°	294.6	326.4	365.1	405.3	447.0	476.3	468.2	460.2	468.2	476.3	447.0
57.5°	238.1	264.8	297.7	333.4	372.1	399.9	394.7	389.6	394.7	399.9	372.1
60°	208.7	229.5	255.2	287.3	326.0	354.1	350.6	347.1	350.6	354.1	326.0
62.5°	183.7	200.3	220.7	249.4	286.5	313.6	310.9	308.2	310.9	313.6	286.5
65°	151.8	164.3	179.9	203.5	235.2	258.3	255.8	253.3	255.8	258.3	235.2
67.5°	126.0	136.1	148.3	167.4	193.2	212.2	210.9	209.6	210.9	212.2	193.2
70°	109.0	118.0	129.0	145.9	168.5	185.3	184.8	184.3	184.8	185.3	168.5
72.5°	94.8	102.0	111.0	125.5	145.3	160.3	161.0	161.7	161.0	160.3	145.3
75°	74.4	79.1	85.2	96.2	112.3	124.7	126.3	127.8	126.3	124.7	112.3
77.5°	57.4	58.9	61.0	68.6	81.9	92.2	93.8	95.4	93.8	92.2	81.9
80°	47.5	47.5	47.5	52.5	62.6	70.6	72.6	74.6	72.6	70.6	62.6
82.5°	36.5	36.6	36.6	39.4	45.1	50.0	52.8	55.6	52.8	50.0	45.1
85°	14.3	17.0	20.0	21.5	21.5	22.1	24.6	27.1	24.6	22.1	21.5
87.5°	12.3	11.8	11.8	12.4	13.0	12.7	10.4	8.6	10.4	12.2	13.9
90°	47.8	45.5	45.5	43.2	36.4	27.3	15.9	6.8	15.9	25.0	40.9
92.5°	56.9	56.4	52.8	48.7	40.0	40.0	39.6	25.0	43.2	61.4	88.2
95°	52.3	52.3	61.4	77.3	113.7	116.0	77.3	70.5	100.1	141.0	177.4
97.5°	141.5	168.3	206.5	213.8	202.4	151.0	144.6	134.6	183.3	223.8	282.5
100°	261.5	295.7	322.9	268.4	211.5	209.2	195.6	191.0	243.3	282.0	338.9
102.5°	408.9	419.4	324.8	293.8	280.6	271.1	250.2	247.4	299.7	353.0	400.7
105°	443.5	398.0	400.3	400.3	391.2	373.0	334.3	332.0	391.2	452.6	511.7
107.5°	521.7	528.5	540.4	537.6	527.2	478.5	433.0	422.6	475.8	549.5	614.5
110°	625.4	632.2	636.8	632.2	616.3	554.9	500.3	484.4	532.2	609.5	680.0



TEST NUMBER: P1428299

CATALOG NUMBER: SQ2W-PR1-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	725.5	730.5	740.5	726.9	700.0	629.5	567.7	544.5	592.2	671.4	743.7
115°	884.7	884.7	887.0	880.1	825.6	752.8	670.9	636.8	677.7	750.5	830.1
117.5°	1041.2	1043.9	1034.8	1016.6	953.4	868.8	776.9	722.3	754.6	831.5	913.3
120°	1139.4	1144.0	1134.9	1107.6	1046.2	950.6	846.0	782.3	807.4	882.4	964.3
122.5°	1241.3	1240.4	1229.5	1198.5	1126.2	1027.1	924.3	846.0	856.5	926.1	1006.1
125°	1382.8	1380.5	1371.4	1335.0	1259.9	1157.6	1037.1	941.5	927.9	987.0	1068.9
127.5°	1517.4	1512.4	1498.3	1454.2	1377.3	1278.6	1146.2	1038.0	1007.5	1044.8	1119.9
130°	1610.2	1603.4	1578.3	1530.6	1455.5	1362.3	1228.1	1105.3	1062.1	1084.8	1150.8
132.5°	1699.3	1679.8	1658.4	1607.0	1537.4	1440.5	1304.5	1176.3	1116.7	1126.7	1178.1
135°	1812.6	1794.4	1767.1	1717.1	1651.1	1555.6	1419.1	1280.4	1198.5	1189.4	1219.0
137.5°	1912.2	1893.1	1862.2	1819.0	1752.6	1667.5	1536.5	1390.0	1286.8	1256.3	1267.7
140°	1974.1	1951.3	1924.0	1880.8	1821.7	1733.0	1605.6	1464.6	1348.6	1305.4	1298.6
142.5°	2025.0	2007.7	1978.6	1939.0	1887.2	1798.5	1674.8	1535.6	1412.3	1356.4	1340.5
145°	2101.4	2087.8	2055.9	2019.6	1976.3	1887.6	1773.9	1635.2	1512.4	1439.6	1405.5
147.5°	2166.0	2155.1	2130.1	2087.3	2050.9	1965.9	1862.2	1739.4	1613.4	1523.3	1479.2
150°	2206.0	2196.9	2171.9	2131.0	2094.6	2015.0	1914.9	1801.2	1680.7	1585.2	1528.3
152.5°	2244.2	2235.2	2206.5	2165.6	2134.6	2060.5	1969.5	1861.3	1738.9	1643.4	1584.7
155°	2294.7	2283.4	2256.1	2217.4	2190.1	2121.9	2037.7	1942.2	1837.6	1737.5	1671.6
157.5°	2334.8	2320.7	2295.2	2262.0	2232.9	2170.1	2096.9	2014.5	1923.1	1827.6	1760.3
160°	2358.4	2342.5	2315.2	2285.6	2258.3	2199.2	2133.3	2058.2	1974.1	1887.6	1814.9
162.5°	2374.8	2360.7	2327.9	2302.0	2278.4	2224.7	2162.4	2094.6	2019.6	1944.0	1876.7
165°	2392.5	2376.6	2342.5	2322.0	2301.6	2256.1	2201.5	2146.9	2083.2	2021.8	1967.2
167.5°	2393.9	2380.7	2346.6	2326.6	2311.6	2272.5	2228.3	2186.5	2136.9	2088.7	2043.2
170°	2390.3	2378.9	2344.8	2326.6	2315.2	2283.4	2244.7	2208.3	2169.7	2128.7	2092.3
172.5°	2377.5	2366.2	2333.9	2319.3	2313.4	2285.2	2253.8	2226.5	2193.3	2163.3	2134.2
175°	2344.8	2335.7	2308.4	2299.3	2301.6	2283.4	2260.6	2244.7	2224.2	2206.0	2190.1
177.5°	2297.0	2291.6	2271.5	2271.5	2278.8	2267.9	2260.6	2253.3	2244.2	2238.8	2233.3
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2	1109.2
2.5°	1108.4	1105.8	1106.2	1106.8	1108.0	1109.2	1108.0	1106.8	1106.2	1105.8	1108.4
5°	1113.1	1110.8	1111.8	1113.8	1118.8	1123.9	1118.8	1113.8	1111.8	1110.8	1113.1
7.5°	1125.7	1125.8	1128.7	1132.5	1139.2	1145.8	1139.2	1132.5	1128.7	1125.8	1125.7
10°	1131.7	1130.9	1131.4	1133.5	1140.6	1147.6	1140.6	1133.5	1131.4	1130.9	1131.7
12.5°	1121.1	1116.7	1116.0	1116.5	1120.3	1124.1	1120.3	1116.5	1116.0	1116.7	1121.1
15°	1095.4	1087.3	1088.8	1090.6	1093.1	1095.6	1093.1	1090.6	1088.8	1087.3	1095.4
17.5°	1070.5	1064.8	1070.3	1075.6	1080.5	1085.4	1080.5	1075.6	1070.3	1064.8	1070.5
20°	1057.2	1053.9	1060.9	1068.3	1076.9	1085.4	1076.9	1068.3	1060.9	1053.9	1057.2
22.5°	1045.1	1044.4	1054.3	1064.6	1076.4	1088.1	1076.4	1064.6	1054.3	1044.4	1045.1
25°	1026.0	1031.5	1048.1	1063.8	1076.9	1089.9	1076.9	1063.8	1048.1	1031.5	1026.0
27.5°	1004.7	1018.8	1041.3	1060.4	1069.5	1078.6	1069.5	1060.4	1041.3	1018.8	1004.7
30°	992.0	1009.3	1028.9	1044.5	1048.0	1051.5	1048.0	1044.5	1028.9	1009.3	992.0
32.5°	977.1	993.8	1004.2	1010.8	1006.3	1001.8	1006.3	1010.8	1004.2	993.8	977.1
35°	950.5	961.6	953.5	945.1	935.6	926.0	935.6	945.1	953.5	961.6	950.5
37.5°	902.2	902.0	878.5	858.1	847.2	836.2	847.2	858.1	878.5	902.0	902.2
40°	862.9	851.9	816.7	787.2	774.6	762.1	774.6	787.2	816.7	851.9	862.9
42.5°	812.0	788.3	743.4	706.0	690.6	675.2	690.6	706.0	743.4	788.3	812.0
45°	718.7	680.0	631.3	590.5	573.4	556.3	573.4	590.5	631.3	680.0	718.7
47.5°	614.6	569.6	526.1	489.4	473.4	457.5	473.4	489.4	526.1	569.6	614.6
50°	548.4	503.1	462.4	427.5	409.9	392.3	409.9	427.5	462.4	503.1	548.4
52.5°	489.3	445.3	404.5	370.0	354.0	338.1	354.0	370.0	404.5	445.3	489.3
55°	405.3	365.1	326.4	294.6	283.5	272.5	283.5	294.6	326.4	365.1	405.3
57.5°	333.4	297.7	264.8	238.1	230.0	221.8	230.0	238.1	264.8	297.7	333.4
60°	287.3	255.2	229.5	208.7	202.1	195.6	202.1	208.7	229.5	255.2	287.3
62.5°	249.4	220.7	200.3	183.7	178.8	173.9	178.8	183.7	200.3	220.7	249.4
65°	203.5	179.9	164.3	151.8	148.2	144.7	148.2	151.8	164.3	179.9	203.5
67.5°	167.4	148.3	136.1	126.0	122.7	119.4	122.7	126.0	136.1	148.3	167.4
70°	145.9	129.0	118.0	109.0	106.5	104.0	106.5	109.0	118.0	129.0	145.9
72.5°	125.5	111.0	102.0	94.8	93.1	91.4	93.1	94.8	102.0	111.0	125.5
75°	96.2	85.2	79.1	74.4	73.4	72.4	73.4	74.4	79.1	85.2	96.2
77.5°	68.6	61.0	58.9	57.4	57.4	57.4	57.4	57.4	58.9	61.0	68.6
80°	52.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	52.5
82.5°	39.4	36.6	36.6	36.5	36.1	35.7	36.1	36.5	36.6	36.6	39.4
85°	21.5	20.0	17.0	14.3	12.8	11.3	12.8	14.3	17.0	20.0	21.5
87.5°	14.2	16.4	19.5	21.4	23.2	22.3	23.2	21.4	19.5	16.4	14.2
90°	52.3	68.2	84.1	93.2	102.3	97.8	102.3	93.2	84.1	68.2	52.3
92.5°	105.1	131.9	151.5	167.8	175.1	174.2	175.1	167.8	151.5	131.9	105.1
95°	211.5	243.3	275.2	297.9	311.6	307.0	311.6	297.9	275.2	243.3	211.5
97.5°	326.1	368.9	404.4	425.7	439.4	448.5	439.4	425.7	404.4	368.9	326.1
100°	402.5	443.5	484.4	509.4	532.2	541.3	532.2	509.4	484.4	443.5	402.5
102.5°	464.4	518.1	562.7	589.5	608.6	617.7	608.6	589.5	562.7	518.1	464.4
105°	566.3	623.1	670.9	705.0	725.5	732.3	725.5	705.0	670.9	623.1	566.3
107.5°	668.2	726.9	771.0	808.7	833.7	848.3	833.7	808.7	771.0	726.9	668.2
110°	748.2	796.0	843.8	877.9	902.9	912.0	902.9	877.9	843.8	796.0	748.2



TEST NUMBER: P1428299

CATALOG NUMBER: SQ2W-PR1-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	815.6	868.8	916.5	950.6	979.3	992.0	979.3	950.6	916.5	868.8	815.6
115°	909.7	980.2	1023.4	1055.3	1075.7	1087.1	1075.7	1055.3	1023.4	980.2	909.7
117.5°	987.9	1061.6	1108.9	1133.5	1143.0	1151.2	1143.0	1133.5	1108.9	1061.6	987.9
120°	1037.1	1105.3	1159.9	1191.7	1203.1	1207.6	1203.1	1191.7	1159.9	1105.3	1037.1
122.5°	1082.6	1147.1	1199.9	1239.0	1257.7	1262.2	1257.7	1239.0	1199.9	1147.1	1082.6
125°	1146.2	1207.6	1262.2	1300.9	1321.4	1332.7	1321.4	1300.9	1262.2	1207.6	1146.2
127.5°	1201.7	1268.1	1318.2	1353.2	1373.2	1382.3	1373.2	1353.2	1318.2	1268.1	1201.7
130°	1232.7	1300.9	1350.9	1389.6	1407.8	1416.9	1407.8	1389.6	1350.9	1300.9	1232.7
132.5°	1256.3	1328.2	1380.0	1415.1	1435.1	1444.2	1435.1	1415.1	1380.0	1328.2	1256.3
135°	1285.0	1360.0	1414.6	1448.7	1466.9	1476.0	1466.9	1448.7	1414.6	1360.0	1285.0
137.5°	1310.0	1378.2	1435.1	1471.0	1487.4	1493.3	1487.4	1471.0	1435.1	1378.2	1310.0
140°	1328.2	1387.3	1444.2	1478.3	1496.5	1498.7	1496.5	1478.3	1444.2	1387.3	1328.2
142.5°	1351.8	1398.2	1447.8	1481.9	1500.1	1504.2	1500.1	1481.9	1447.8	1398.2	1351.8
145°	1394.1	1421.4	1455.5	1487.4	1503.3	1507.8	1503.3	1487.4	1455.5	1421.4	1394.1
147.5°	1447.3	1456.0	1473.7	1494.6	1510.1	1513.3	1510.1	1494.6	1473.7	1456.0	1447.3
150°	1487.4	1485.1	1491.9	1505.6	1519.2	1516.9	1519.2	1505.6	1491.9	1485.1	1487.4
152.5°	1532.9	1519.7	1519.2	1525.6	1531.9	1531.5	1531.9	1525.6	1519.2	1519.7	1532.9
155°	1610.2	1585.2	1571.5	1567.0	1567.0	1564.7	1567.0	1567.0	1571.5	1585.2	1610.2
157.5°	1695.2	1660.2	1639.7	1628.8	1625.6	1620.6	1625.6	1628.8	1639.7	1660.2	1695.2
160°	1753.5	1714.8	1694.3	1676.1	1669.3	1662.5	1669.3	1676.1	1694.3	1714.8	1753.5
162.5°	1808.0	1771.2	1748.9	1732.5	1725.7	1715.3	1725.7	1732.5	1748.9	1771.2	1808.0
165°	1896.7	1858.1	1833.1	1819.4	1810.3	1801.2	1810.3	1819.4	1833.1	1858.1	1896.7
167.5°	1985.4	1943.1	1926.8	1911.3	1902.7	1886.3	1902.7	1911.3	1926.8	1943.1	1985.4
170°	2040.0	2001.4	1992.3	1978.6	1962.7	1944.5	1962.7	1978.6	1992.3	2001.4	2040.0
172.5°	2087.3	2061.4	2052.3	2038.7	2033.7	2019.1	2033.7	2038.7	2052.3	2061.4	2087.3
175°	2156.0	2135.5	2135.5	2133.3	2126.4	2112.8	2126.4	2133.3	2135.5	2135.5	2156.0
177.5°	2213.3	2202.4	2209.7	2209.7	2207.9	2195.1	2207.9	2209.7	2209.7	2202.4	2213.3
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



TEST NUMBER: P1428299

CATALOG NUMBER: SQ2W-PR1-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1109.2	1109.2	1109.2	1109.2
2.5°	1114.0	1116.7	1110.7	1104.6
5°	1118.6	1120.6	1112.1	1103.5
7.5°	1128.5	1127.6	1115.5	1103.3
10°	1133.7	1131.5	1117.0	1102.4
12.5°	1129.1	1130.9	1113.9	1097.0
15°	1112.9	1121.1	1101.0	1080.9
17.5°	1087.3	1094.6	1073.6	1052.6
20°	1070.7	1075.8	1055.2	1034.5
22.5°	1056.3	1059.5	1038.9	1018.3
25°	1031.5	1031.2	1013.1	995.0
27.5°	998.9	991.9	981.2	970.6
30°	976.9	963.8	956.8	949.7
32.5°	954.0	935.6	931.4	927.1
35°	920.4	896.9	893.3	889.8
37.5°	879.1	860.0	852.7	845.5
40°	849.9	837.1	825.0	812.9
42.5°	814.6	811.7	792.4	773.1
45°	747.4	762.3	736.2	710.0
47.5°	661.1	689.3	662.5	635.7
50°	598.1	630.0	608.4	586.8
52.5°	536.6	568.2	552.6	537.1
55°	447.0	476.3	468.2	460.2
57.5°	372.1	399.9	394.7	389.6
60°	326.0	354.1	350.6	347.1
62.5°	286.5	313.6	310.9	308.2
65°	235.2	258.3	255.8	253.3
67.5°	193.2	212.2	210.9	209.6
70°	168.5	185.3	184.8	184.3
72.5°	145.3	160.3	161.0	161.7
75°	112.3	124.7	126.3	127.8
77.5°	81.9	92.2	93.8	95.4
80°	62.6	70.6	72.6	74.6
82.5°	45.1	50.0	52.8	55.6
85°	21.5	22.1	24.6	27.1
87.5°	13.9	12.2	10.4	8.6
90°	40.9	25.0	15.9	6.8
92.5°	88.2	61.4	43.2	25.0
95°	177.4	141.0	100.1	70.5
97.5°	282.5	223.8	183.3	134.6
100°	338.9	282.0	243.3	191.0
102.5°	400.7	353.0	299.7	247.4
105°	511.7	452.6	391.2	332.0
107.5°	614.5	549.5	475.8	422.6
110°	680.0	609.5	532.2	484.4



TEST NUMBER: P1428299

CATALOG NUMBER: SQ2W-PR1-K-150U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	743.7	671.4	592.2	544.5
115°	830.1	750.5	677.7	636.8
117.5°	913.3	831.5	754.6	722.3
120°	964.3	882.4	807.4	782.3
122.5°	1006.1	926.1	856.5	846.0
125°	1068.9	987.0	927.9	941.5
127.5°	1119.9	1044.8	1007.5	1038.0
130°	1150.8	1084.8	1062.1	1105.3
132.5°	1178.1	1126.7	1116.7	1176.3
135°	1219.0	1189.4	1198.5	1280.4
137.5°	1267.7	1256.3	1286.8	1390.0
140°	1298.6	1305.4	1348.6	1464.6
142.5°	1340.5	1356.4	1412.3	1535.6
145°	1405.5	1439.6	1512.4	1635.2
147.5°	1479.2	1523.3	1613.4	1739.4
150°	1528.3	1585.2	1680.7	1801.2
152.5°	1584.7	1643.4	1738.9	1861.3
155°	1671.6	1737.5	1837.6	1942.2
157.5°	1760.3	1827.6	1923.1	2014.5
160°	1814.9	1887.6	1974.1	2058.2
162.5°	1876.7	1944.0	2019.6	2094.6
165°	1967.2	2021.8	2083.2	2146.9
167.5°	2043.2	2088.7	2136.9	2186.5
170°	2092.3	2128.7	2169.7	2208.3
172.5°	2134.2	2163.3	2193.3	2226.5
175°	2190.1	2206.0	2224.2	2244.7
177.5°	2233.3	2238.8	2244.2	2253.3
180°	2251.5	2251.5	2251.5	2251.5



TEST NUMBER: P1428299
 CATALOG NUMBER: SQ2W-PR1-K-150U-050D-L830-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	14.31	14.99	15.43	16.10	17.65	10.68	11.35	11.80	12.47	14.01
	3H	15.50	16.11	16.63	17.23	18.79	11.82	12.43	12.96	13.55	15.11
	4H	15.98	16.55	17.12	17.67	19.24	12.28	12.85	13.42	13.98	15.54
	6H	16.26	16.79	17.41	17.92	19.50	12.61	13.14	13.76	14.26	15.84
	8H	16.36	16.86	17.51	18.00	19.58	12.74	13.25	13.90	14.39	15.96
	12H	16.39	16.87	17.55	18.01	19.60	12.77	13.24	13.92	14.38	15.97
4H	2H	14.39	14.96	15.54	16.09	17.65	11.36	11.94	12.51	13.06	14.63
	3H	15.83	16.31	16.99	17.46	19.04	12.70	13.18	13.86	14.33	15.91
	4H	16.45	16.89	17.61	18.03	19.63	13.24	13.68	14.40	14.82	16.42
	6H	16.87	17.25	18.04	18.41	20.00	13.66	14.04	14.83	15.20	16.79
	8H	17.03	17.38	18.19	18.53	20.14	13.84	14.19	15.01	15.35	16.95
	12H	17.09	17.40	18.26	18.57	20.18	13.88	14.20	15.06	15.36	16.97
8H	4H	16.46	16.82	17.63	17.97	19.57	13.55	13.91	14.72	15.06	16.66
	6H	16.99	17.28	18.17	18.47	20.08	14.09	14.38	15.27	15.57	17.17
	8H	17.22	17.48	18.41	18.65	20.27	14.35	14.60	15.54	15.78	17.40
	12H	17.34	17.56	18.53	18.73	20.38	14.44	14.66	15.63	15.83	17.48
12H	4H	16.41	16.73	17.59	17.90	19.51	13.57	13.88	14.74	15.05	16.66
	6H	16.98	17.23	18.17	18.41	20.03	14.16	14.41	15.35	15.59	17.21
	8H	17.22	17.45	18.41	18.61	20.27	14.44	14.66	15.63	15.83	17.49