

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: P1428471

Luminaire Tested: SQ2W-PW1-K-150U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428471
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-150U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES 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

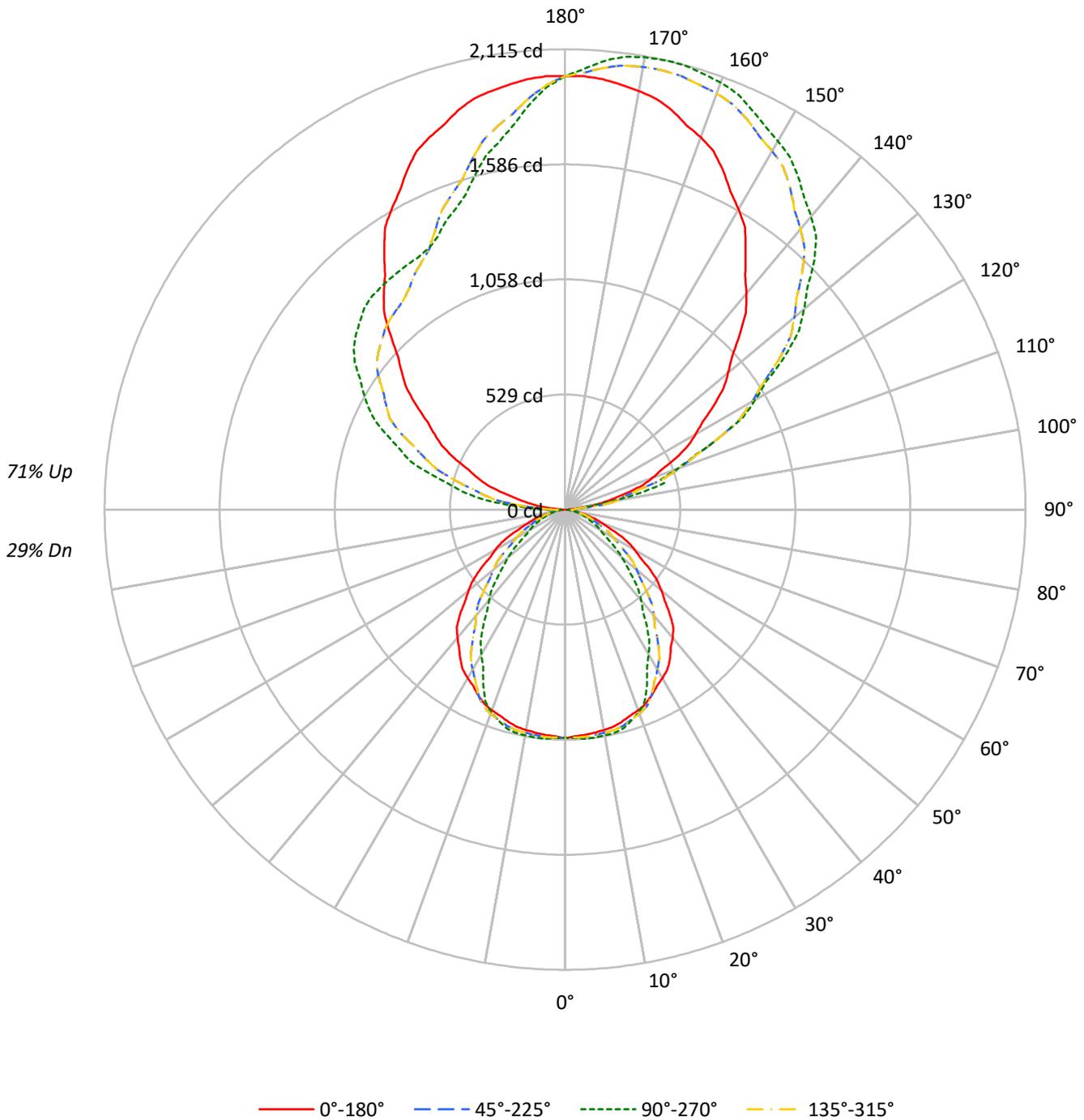
Lumens per Lamp: N/A
Luminaire Lumens: 8152.6 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	37	37	37	29
1	93	89	86	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25
2	85	78	73	68	76	70	66	61	56	52	49	42	40	38	29	28	27	21
3	78	69	62	57	70	62	56	52	49	45	42	37	35	32	26	25	23	18
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	24	22	20	16
5	65	54	47	41	58	49	43	38	39	35	31	30	27	24	21	19	18	14
6	60	49	41	36	54	44	38	33	35	31	27	27	24	21	19	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	28	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°	16953	16953	16953	16953
5°	16839	17131	16839	17131
10°	16870	17280	16870	17280
15°	16866	17384	16866	17384
20°	16872	17044	16872	17044
25°	16781	15837	16781	15837
30°	16667	14318	16667	14318
35°	16537	12930	16537	12930
40°	16208	11423	16208	11423
45°	15572	9978	15572	9978
50°	14493	8540	14493	8540
55°	13258	6925	13258	6925
60°	11883	5974	11883	5974
65°	10391	5310	10391	5310
70°	8497	4815	8497	4815
75°	6612	4429	6612	4429
80°	4928	3905	4928	3905
85°	3334	2223	3334	2223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15572 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	1.2
10°-20°	289.7	3.6
20°-30°	426.3	5.2
30°-40°	466.1	5.7
40°-50°	418.2	5.1
50°-60°	311.9	3.8
60°-70°	197.1	2.4
70°-80°	97.7	1.2
80°-90°	31.1	0.4
90°-100°	158.5	1.9
100°-110°	462.2	5.7
110°-120°	754.2	9.3
120°-130°	957.1	11.7
130°-140°	1024.1	12.6
140°-150°	956.3	11.7
150°-160°	786.9	9.7
160°-170°	527.7	6.5
170°-180°	187.4	2.3
0°-30°	816.0	10.0
0°-40°	1282.2	15.7
0°-60°	2012.2	24.7
0°-90°	2338.1	28.7
90°-120°	1374.9	16.9
90°-150°	4312.4	52.9
90°-180°	5814.0	71.3
0°-180°	8152.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1050	1050	1050	1050	1050	
5°	1039	1057	1039	1057	1039	99
15°	1009	1040	1009	1040	1009	285
25°	942	889	942	889	942	434
35°	839	656	839	656	839	523
45°	682	437	682	437	682	523
55°	471	246	471	246	471	421
65°	272	139	272	139	272	270
75°	106	71	106	71	106	117
85°	18	12	18	12	18	23
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°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1042.8	1048.9	1054.9	1053.5	1049.6	1047.8	1048.1	1048.7	1049.7	1050.8	1049.7
5°	1039.0	1046.6	1054.1	1053.0	1049.0	1047.2	1047.7	1049.0	1053.0	1057.0	1053.0
7.5°	1033.8	1041.5	1049.1	1048.7	1045.7	1045.0	1046.5	1048.6	1052.5	1056.4	1052.5
10°	1029.0	1037.0	1045.0	1045.0	1042.3	1042.1	1044.3	1046.9	1050.5	1054.0	1050.5
12.5°	1022.6	1031.0	1039.3	1039.9	1038.0	1038.3	1040.9	1043.7	1047.3	1050.8	1047.3
15°	1009.0	1017.9	1026.8	1028.7	1028.2	1029.6	1032.7	1035.6	1037.8	1040.0	1037.8
17.5°	993.2	1002.1	1011.0	1012.7	1012.1	1012.2	1013.0	1013.9	1014.9	1016.0	1014.9
20°	982.0	990.9	999.8	1001.0	999.7	997.5	994.3	992.0	992.0	992.0	992.0
22.5°	966.0	975.6	985.2	985.3	982.2	976.4	967.9	960.9	958.1	955.2	958.1
25°	942.0	951.3	960.7	956.3	947.5	934.3	917.0	902.3	895.7	889.0	895.7
27.5°	914.0	921.6	929.1	917.8	900.2	879.1	854.5	833.7	824.5	815.2	824.5
30°	894.0	899.8	905.6	887.7	861.9	835.5	808.3	785.8	776.9	768.0	776.9
32.5°	873.2	875.4	877.7	854.1	821.9	791.7	763.5	740.0	730.4	720.8	730.4
35°	839.0	835.0	831.0	799.7	759.2	724.8	696.3	672.9	664.5	656.0	664.5
37.5°	798.6	786.7	774.8	739.5	696.4	659.9	630.1	605.5	596.1	586.8	596.1
40°	769.0	752.1	735.2	697.3	652.5	615.1	585.3	560.7	551.3	542.0	551.3
42.5°	736.2	715.1	693.9	654.9	610.1	572.7	542.9	518.2	508.5	498.8	508.5
45°	682.0	657.1	632.2	591.7	545.9	508.6	479.7	455.7	446.3	437.0	446.3
47.5°	621.0	596.3	571.6	531.1	485.4	448.6	420.6	397.6	389.6	381.6	389.6
50°	577.0	553.0	529.0	490.3	446.8	411.0	383.0	359.6	349.8	340.0	349.8
52.5°	532.2	510.7	489.2	451.9	409.4	373.8	345.1	320.3	306.9	293.6	306.9
55°	471.0	450.6	430.1	395.0	355.0	319.0	287.0	261.1	253.6	246.0	253.6
57.5°	408.0	390.3	372.6	341.1	304.9	272.3	243.2	219.8	213.6	207.4	213.6
60°	368.0	352.4	336.9	306.7	271.6	241.8	217.3	197.4	191.2	185.0	191.2
62.5°	329.6	315.8	302.0	273.1	239.0	212.3	192.8	176.9	171.8	166.6	171.8
65°	272.0	261.8	251.6	227.7	199.2	177.0	161.0	147.9	143.4	139.0	143.4
67.5°	216.0	210.3	204.6	186.7	164.8	146.8	132.7	121.5	118.5	115.6	118.5
70°	180.0	178.2	176.4	161.7	142.6	127.2	115.7	106.4	104.2	102.0	104.2
72.5°	148.8	149.5	150.2	137.9	121.3	108.5	99.4	92.2	90.7	89.2	90.7
75°	106.0	109.6	113.1	105.0	93.0	83.9	77.7	72.8	71.9	71.0	71.9
77.5°	72.2	77.5	82.9	77.6	68.8	62.1	57.5	53.8	53.1	52.4	53.1
80°	53.0	58.3	63.7	60.0	53.3	48.2	44.7	42.0	42.0	42.0	42.0
82.5°	37.0	41.3	45.5	42.9	38.0	34.7	32.9	31.6	31.6	31.6	31.6
85°	18.0	20.2	22.4	21.7	19.9	17.7	15.0	12.9	12.4	12.0	12.4
87.5°	6.0	8.7	11.8	12.3	11.7	11.1	10.7	10.8	11.3	11.3	11.3
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°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1048.7	1048.1	1047.8	1049.6	1053.5	1054.9	1048.9	1042.8	1048.9	1054.9	1053.5
5°	1049.0	1047.7	1047.2	1049.0	1053.0	1054.1	1046.6	1039.0	1046.6	1054.1	1053.0
7.5°	1048.6	1046.5	1045.0	1045.7	1048.7	1049.1	1041.5	1033.8	1041.5	1049.1	1048.7
10°	1046.9	1044.3	1042.1	1042.3	1045.0	1045.0	1037.0	1029.0	1037.0	1045.0	1045.0
12.5°	1043.7	1040.9	1038.3	1038.0	1039.9	1039.3	1031.0	1022.6	1031.0	1039.3	1039.9
15°	1035.6	1032.7	1029.6	1028.2	1028.7	1026.8	1017.9	1009.0	1017.9	1026.8	1028.7
17.5°	1013.9	1013.0	1012.2	1012.1	1012.7	1011.0	1002.1	993.2	1002.1	1011.0	1012.7
20°	992.0	994.3	997.5	999.7	1001.0	999.8	990.9	982.0	990.9	999.8	1001.0
22.5°	960.9	967.9	976.4	982.2	985.3	985.2	975.6	966.0	975.6	985.2	985.3
25°	902.3	917.0	934.3	947.5	956.3	960.7	951.3	942.0	951.3	960.7	956.3
27.5°	833.7	854.5	879.1	900.2	917.8	929.1	921.6	914.0	921.6	929.1	917.8
30°	785.8	808.3	835.5	861.9	887.7	905.6	899.8	894.0	899.8	905.6	887.7
32.5°	740.0	763.5	791.7	821.9	854.1	877.7	875.4	873.2	875.4	877.7	854.1
35°	672.9	696.3	724.8	759.2	799.7	831.0	835.0	839.0	835.0	831.0	799.7
37.5°	605.5	630.1	659.9	696.4	739.5	774.8	786.7	798.6	786.7	774.8	739.5
40°	560.7	585.3	615.1	652.5	697.3	735.2	752.1	769.0	752.1	735.2	697.3
42.5°	518.2	542.9	572.7	610.1	654.9	693.9	715.1	736.2	715.1	693.9	654.9
45°	455.7	479.7	508.6	545.9	591.7	632.2	657.1	682.0	657.1	632.2	591.7
47.5°	397.6	420.6	448.6	485.4	531.1	571.6	596.3	621.0	596.3	571.6	531.1
50°	359.6	383.0	411.0	446.8	490.3	529.0	553.0	577.0	553.0	529.0	490.3
52.5°	320.3	345.1	373.8	409.4	451.9	489.2	510.7	532.2	510.7	489.2	451.9
55°	261.1	287.0	319.0	355.0	395.0	430.1	450.6	471.0	450.6	430.1	395.0
57.5°	219.8	243.2	272.3	304.9	341.1	372.6	390.3	408.0	390.3	372.6	341.1
60°	197.4	217.3	241.8	271.6	306.7	336.9	352.4	368.0	352.4	336.9	306.7
62.5°	176.9	192.8	212.3	239.0	273.1	302.0	315.8	329.6	315.8	302.0	273.1
65°	147.9	161.0	177.0	199.2	227.7	251.6	261.8	272.0	261.8	251.6	227.7
67.5°	121.5	132.7	146.8	164.8	186.7	204.6	210.3	216.0	210.3	204.6	186.7
70°	106.4	115.7	127.2	142.6	161.7	176.4	178.2	180.0	178.2	176.4	161.7
72.5°	92.2	99.4	108.5	121.3	137.9	150.2	149.5	148.8	149.5	150.2	137.9
75°	72.8	77.7	83.9	93.0	105.0	113.1	109.6	106.0	109.6	113.1	105.0
77.5°	53.8	57.5	62.1	68.8	77.6	82.9	77.5	72.2	77.5	82.9	77.6
80°	42.0	44.7	48.2	53.3	60.0	63.7	58.3	53.0	58.3	63.7	60.0
82.5°	31.6	32.9	34.7	38.0	42.9	45.5	41.3	37.0	41.3	45.5	42.9
85°	12.9	15.0	17.7	19.9	21.7	22.4	20.2	18.0	20.2	22.4	21.7
87.5°	10.8	10.7	11.1	11.7	12.3	11.8	8.7	6.0	8.7	11.4	13.1
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



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CATALOG NUMBER: SQ2W-PW1-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: P1428471

CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1049.6	1047.8	1048.1	1048.7	1049.7	1050.8	1049.7	1048.7	1048.1	1047.8	1049.6
5°	1049.0	1047.2	1047.7	1049.0	1053.0	1057.0	1053.0	1049.0	1047.7	1047.2	1049.0
7.5°	1045.7	1045.0	1046.5	1048.6	1052.5	1056.4	1052.5	1048.6	1046.5	1045.0	1045.7
10°	1042.3	1042.1	1044.3	1046.9	1050.5	1054.0	1050.5	1046.9	1044.3	1042.1	1042.3
12.5°	1038.0	1038.3	1040.9	1043.7	1047.3	1050.8	1047.3	1043.7	1040.9	1038.3	1038.0
15°	1028.2	1029.6	1032.7	1035.6	1037.8	1040.0	1037.8	1035.6	1032.7	1029.6	1028.2
17.5°	1012.1	1012.2	1013.0	1013.9	1014.9	1016.0	1014.9	1013.9	1013.0	1012.2	1012.1
20°	999.7	997.5	994.3	992.0	992.0	992.0	992.0	992.0	994.3	997.5	999.7
22.5°	982.2	976.4	967.9	960.9	958.1	955.2	958.1	960.9	967.9	976.4	982.2
25°	947.5	934.3	917.0	902.3	895.7	889.0	895.7	902.3	917.0	934.3	947.5
27.5°	900.2	879.1	854.5	833.7	824.5	815.2	824.5	833.7	854.5	879.1	900.2
30°	861.9	835.5	808.3	785.8	776.9	768.0	776.9	785.8	808.3	835.5	861.9
32.5°	821.9	791.7	763.5	740.0	730.4	720.8	730.4	740.0	763.5	791.7	821.9
35°	759.2	724.8	696.3	672.9	664.5	656.0	664.5	672.9	696.3	724.8	759.2
37.5°	696.4	659.9	630.1	605.5	596.1	586.8	596.1	605.5	630.1	659.9	696.4
40°	652.5	615.1	585.3	560.7	551.3	542.0	551.3	560.7	585.3	615.1	652.5
42.5°	610.1	572.7	542.9	518.2	508.5	498.8	508.5	518.2	542.9	572.7	610.1
45°	545.9	508.6	479.7	455.7	446.3	437.0	446.3	455.7	479.7	508.6	545.9
47.5°	485.4	448.6	420.6	397.6	389.6	381.6	389.6	397.6	420.6	448.6	485.4
50°	446.8	411.0	383.0	359.6	349.8	340.0	349.8	359.6	383.0	411.0	446.8
52.5°	409.4	373.8	345.1	320.3	306.9	293.6	306.9	320.3	345.1	373.8	409.4
55°	355.0	319.0	287.0	261.1	253.6	246.0	253.6	261.1	287.0	319.0	355.0
57.5°	304.9	272.3	243.2	219.8	213.6	207.4	213.6	219.8	243.2	272.3	304.9
60°	271.6	241.8	217.3	197.4	191.2	185.0	191.2	197.4	217.3	241.8	271.6
62.5°	239.0	212.3	192.8	176.9	171.8	166.6	171.8	176.9	192.8	212.3	239.0
65°	199.2	177.0	161.0	147.9	143.4	139.0	143.4	147.9	161.0	177.0	199.2
67.5°	164.8	146.8	132.7	121.5	118.5	115.6	118.5	121.5	132.7	146.8	164.8
70°	142.6	127.2	115.7	106.4	104.2	102.0	104.2	106.4	115.7	127.2	142.6
72.5°	121.3	108.5	99.4	92.2	90.7	89.2	90.7	92.2	99.4	108.5	121.3
75°	93.0	83.9	77.7	72.8	71.9	71.0	71.9	72.8	77.7	83.9	93.0
77.5°	68.8	62.1	57.5	53.8	53.1	52.4	53.1	53.8	57.5	62.1	68.8
80°	53.3	48.2	44.7	42.0	42.0	42.0	42.0	42.0	44.7	48.2	53.3
82.5°	38.0	34.7	32.9	31.6	31.6	31.6	31.6	31.6	32.9	34.7	38.0
85°	19.9	17.7	15.0	12.9	12.4	12.0	12.4	12.9	15.0	17.7	19.9
87.5°	13.3	15.1	17.6	18.9	20.5	19.7	20.5	18.9	17.6	15.1	13.3
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1428471

CATALOG NUMBER: SQ2W-PW1-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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CATALOG NUMBER: SQ2W-PW1-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1050.0	1050.0	1050.0	1050.0
2.5°	1053.5	1054.9	1048.9	1042.8
5°	1053.0	1054.1	1046.6	1039.0
7.5°	1048.7	1049.1	1041.5	1033.8
10°	1045.0	1045.0	1037.0	1029.0
12.5°	1039.9	1039.3	1031.0	1022.6
15°	1028.7	1026.8	1017.9	1009.0
17.5°	1012.7	1011.0	1002.1	993.2
20°	1001.0	999.8	990.9	982.0
22.5°	985.3	985.2	975.6	966.0
25°	956.3	960.7	951.3	942.0
27.5°	917.8	929.1	921.6	914.0
30°	887.7	905.6	899.8	894.0
32.5°	854.1	877.7	875.4	873.2
35°	799.7	831.0	835.0	839.0
37.5°	739.5	774.8	786.7	798.6
40°	697.3	735.2	752.1	769.0
42.5°	654.9	693.9	715.1	736.2
45°	591.7	632.2	657.1	682.0
47.5°	531.1	571.6	596.3	621.0
50°	490.3	529.0	553.0	577.0
52.5°	451.9	489.2	510.7	532.2
55°	395.0	430.1	450.6	471.0
57.5°	341.1	372.6	390.3	408.0
60°	306.7	336.9	352.4	368.0
62.5°	273.1	302.0	315.8	329.6
65°	227.7	251.6	261.8	272.0
67.5°	186.7	204.6	210.3	216.0
70°	161.7	176.4	178.2	180.0
72.5°	137.9	150.2	149.5	148.8
75°	105.0	113.1	109.6	106.0
77.5°	77.6	82.9	77.5	72.2
80°	60.0	63.7	58.3	53.0
82.5°	42.9	45.5	41.3	37.0
85°	21.7	22.4	20.2	18.0
87.5°	13.1	11.4	8.7	6.0
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: P1428471

CATALOG NUMBER: SQ2W-PW1-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: P1428471
 CATALOG NUMBER: SQ2W-PW1-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	14.32	15.00	15.45	16.12	17.67	10.57	11.25	11.70	12.36	13.91
	3H	15.61	16.22	16.74	17.34	18.90	11.83	12.43	12.96	13.56	15.12
	4H	16.01	16.59	17.15	17.71	19.28	12.32	12.90	13.47	14.02	15.59
	6H	16.18	16.71	17.33	17.84	19.42	12.62	13.15	13.77	14.28	15.86
	8H	16.22	16.72	17.37	17.86	19.44	12.73	13.23	13.89	14.38	15.95
	12H	16.21	16.69	17.37	17.83	19.42	12.76	13.23	13.91	14.37	15.96
4H	2H	14.43	15.01	15.58	16.13	17.70	11.36	11.93	12.51	13.06	14.63
	3H	15.95	16.43	17.11	17.58	19.16	12.79	13.27	13.94	14.42	16.00
	4H	16.49	16.93	17.65	18.07	19.67	13.36	13.80	14.52	14.94	16.54
	6H	16.79	17.17	17.96	18.33	19.92	13.73	14.11	14.90	15.27	16.86
	8H	16.88	17.23	18.05	18.39	19.99	13.88	14.23	15.04	15.38	16.99
	12H	16.90	17.21	18.07	18.38	19.99	13.91	14.23	15.09	15.40	17.01
8H	4H	16.52	16.87	17.68	18.02	19.63	13.69	14.04	14.85	15.19	16.80
	6H	16.93	17.22	18.12	18.42	20.02	14.18	14.46	15.36	15.66	17.27
	8H	17.10	17.36	18.29	18.53	20.16	14.39	14.65	15.58	15.82	17.44
	12H	17.17	17.40	18.37	18.57	20.22	14.47	14.69	15.66	15.86	17.52
12H	4H	16.47	16.79	17.65	17.95	19.57	13.70	14.02	14.88	15.18	16.79
	6H	16.93	17.18	18.12	18.35	19.98	14.25	14.50	15.44	15.68	17.30
	8H	17.11	17.33	18.30	18.50	20.16	14.49	14.71	15.68	15.88	17.54