

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: P1428478

Luminaire Tested: SQ2W-PW1-K-150U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428478
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-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

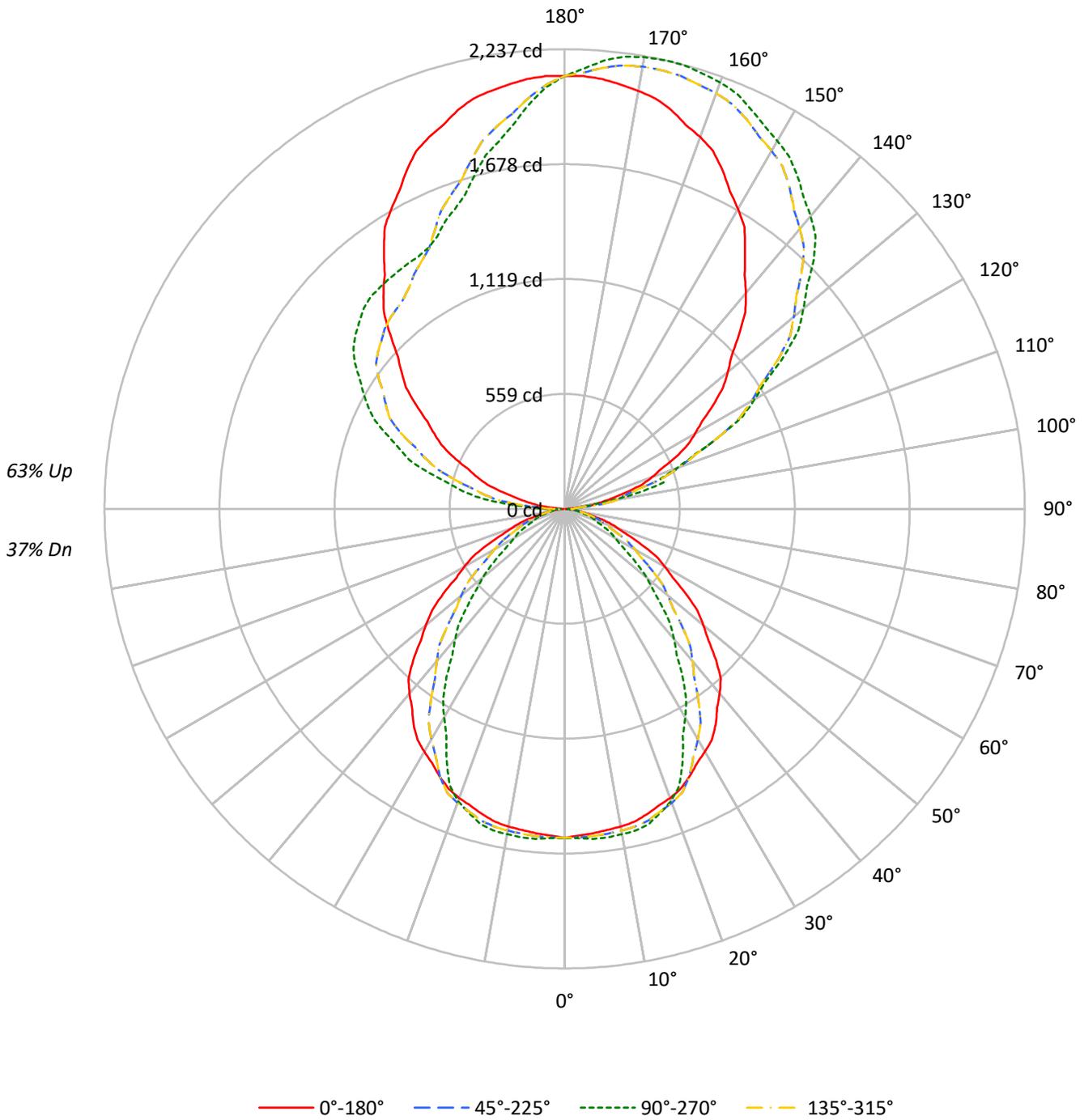
Lumens per Lamp: N/A
Luminaire Lumens: 9714.2 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 81.8
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	39	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	25	21
5	67	56	48	43	61	51	44	39	42	37	33	34	30	27	26	23	22	18
6	62	50	43	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	38	32	52	42	35	30	34	29	26	28	24	21	22	19	17	14
8	53	41	34	29	48	38	31	27	31	26	23	25	22	19	20	17	15	13
9	49	38	30	26	45	35	28	24	29	24	21	23	20	17	18	16	14	12
10	46	34	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25868	25868	25868	25868
5°	25695	26141	25695	26141
10°	25743	26367	25743	26367
15°	25736	26527	25736	26527
20°	25747	26008	25747	26008
25°	25607	24166	25607	24166
30°	25433	21848	25433	21848
35°	25233	19730	25233	19730
40°	24731	17430	24731	17430
45°	23763	15225	23763	15225
50°	22116	13031	22116	13031
55°	20231	10567	20231	10567
60°	18131	9116	18131	9116
65°	15855	8103	15855	8103
70°	12968	7345	12968	7345
75°	10087	6756	10087	6756
80°	7522	5960	7522	5960
85°	5094	3390	5094	3390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23763 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	1.6
10°-20°	442.1	4.6
20°-30°	650.5	6.7
30°-40°	711.3	7.3
40°-50°	638.1	6.6
50°-60°	476.0	4.9
60°-70°	300.8	3.1
70°-80°	149.0	1.5
80°-90°	43.6	0.4
90°-100°	167.6	1.7
100°-110°	488.9	5.0
110°-120°	797.8	8.2
120°-130°	1012.4	10.4
130°-140°	1083.3	11.2
140°-150°	1011.5	10.4
150°-160°	832.4	8.6
160°-170°	558.2	5.7
170°-180°	198.2	2.0
0°-30°	1245.2	12.8
0°-40°	1956.4	20.1
0°-60°	3070.5	31.6
0°-90°	3564.0	36.7
90°-120°	1454.3	15.0
90°-150°	4561.5	47.0
90°-180°	6150.0	63.3
0°-180°	9714.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1602	1602	1602	1602	1602	
5°	1585	1613	1585	1613	1585	151
15°	1540	1587	1540	1587	1540	435
25°	1437	1356	1437	1356	1437	662
35°	1280	1001	1280	1001	1280	798
45°	1041	667	1041	667	1041	798
55°	719	375	719	375	719	642
65°	415	212	415	212	415	411
75°	162	108	162	108	162	178
85°	28	18	28	18	28	35
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°	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2
2.5°	1591.2	1600.5	1609.7	1607.5	1601.5	1598.8	1599.4	1600.2	1601.8	1603.4	1601.8
5°	1585.4	1597.0	1608.5	1606.8	1600.7	1598.0	1598.7	1600.7	1606.8	1612.9	1606.8
7.5°	1577.5	1589.2	1600.8	1600.3	1595.7	1594.5	1596.8	1600.0	1606.0	1612.0	1606.0
10°	1570.2	1582.4	1594.6	1594.6	1590.5	1590.2	1593.6	1597.5	1602.9	1608.3	1602.9
12.5°	1560.4	1573.2	1585.9	1586.9	1583.9	1584.3	1588.3	1592.6	1598.0	1603.4	1598.0
15°	1539.7	1553.2	1566.8	1569.7	1569.0	1571.0	1575.8	1580.2	1583.6	1587.0	1583.6
17.5°	1515.5	1529.1	1542.7	1545.3	1544.4	1544.5	1545.8	1547.1	1548.7	1550.3	1548.7
20°	1498.5	1512.0	1525.6	1527.4	1525.4	1522.0	1517.3	1513.7	1513.7	1513.7	1513.7
22.5°	1474.0	1488.7	1503.3	1503.4	1498.7	1489.9	1477.0	1466.2	1461.9	1457.6	1461.9
25°	1437.4	1451.7	1465.9	1459.3	1445.7	1425.7	1399.3	1376.9	1366.7	1356.5	1366.7
27.5°	1394.7	1406.2	1417.7	1400.5	1373.6	1341.4	1303.8	1272.1	1258.0	1243.9	1258.0
30°	1364.2	1373.0	1381.8	1354.5	1315.2	1274.8	1233.5	1199.0	1185.5	1171.9	1185.5
32.5°	1332.4	1335.8	1339.2	1303.2	1254.1	1208.1	1165.1	1129.2	1114.5	1099.9	1114.5
35°	1280.2	1274.1	1268.0	1220.2	1158.5	1106.0	1062.5	1026.8	1013.9	1001.0	1013.9
37.5°	1218.6	1200.4	1182.2	1128.4	1062.6	1007.0	961.5	923.9	909.7	895.4	909.7
40°	1173.4	1147.7	1121.9	1064.1	995.6	938.6	893.2	855.5	841.3	827.0	841.3
42.5°	1123.4	1091.1	1058.8	999.4	930.9	873.9	828.5	790.7	775.9	761.1	775.9
45°	1040.7	1002.7	964.7	902.8	833.0	776.0	731.9	695.3	681.1	666.8	681.1
47.5°	947.6	909.9	872.2	810.5	740.7	684.5	641.8	606.7	594.5	582.3	594.5
50°	880.5	843.8	807.2	748.2	681.7	627.2	584.4	548.7	533.7	518.8	533.7
52.5°	812.1	779.3	746.4	689.6	624.8	570.5	526.6	488.7	468.4	448.0	468.4
55°	718.7	687.5	656.3	602.7	541.7	486.8	437.9	398.4	386.9	375.4	386.9
57.5°	622.6	595.6	568.6	520.4	465.2	415.5	371.1	335.5	326.0	316.5	326.0
60°	561.5	537.8	514.1	467.9	414.4	368.9	331.6	301.3	291.8	282.3	291.8
62.5°	502.9	481.9	460.9	416.7	364.7	323.9	294.2	270.0	262.1	254.2	262.1
65°	415.0	399.5	383.9	347.4	304.0	270.1	245.7	225.7	218.9	212.1	218.9
67.5°	329.6	320.9	312.2	284.9	251.4	224.0	202.5	185.3	180.9	176.4	180.9
70°	274.7	272.0	269.2	246.7	217.5	194.1	176.5	162.4	159.0	155.6	159.0
72.5°	227.1	228.1	229.2	210.5	185.1	165.5	151.7	140.7	138.4	136.1	138.4
75°	161.7	167.2	172.6	160.2	141.9	128.0	118.5	111.1	109.7	108.3	109.7
77.5°	110.2	118.3	126.4	118.4	105.0	94.7	87.7	82.1	81.0	80.0	81.0
80°	80.9	89.0	97.2	91.6	81.4	73.6	68.2	64.1	64.1	64.1	64.1
82.5°	56.5	63.0	69.5	65.5	58.1	53.0	50.3	48.2	48.2	48.2	48.2
85°	27.5	30.9	34.2	33.1	30.3	27.0	22.9	19.7	19.0	18.3	19.0
87.5°	8.6	11.9	15.7	15.8	14.3	13.1	12.6	12.6	13.0	13.0	13.0
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°	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2
2.5°	1600.2	1599.4	1598.8	1601.5	1607.5	1609.7	1600.5	1591.2	1600.5	1609.7	1607.5
5°	1600.7	1598.7	1598.0	1600.7	1606.8	1608.5	1597.0	1585.4	1597.0	1608.5	1606.8
7.5°	1600.0	1596.8	1594.5	1595.7	1600.3	1600.8	1589.2	1577.5	1589.2	1600.8	1600.3
10°	1597.5	1593.6	1590.2	1590.5	1594.6	1594.6	1582.4	1570.2	1582.4	1594.6	1594.6
12.5°	1592.6	1588.3	1584.3	1583.9	1586.9	1585.9	1573.2	1560.4	1573.2	1585.9	1586.9
15°	1580.2	1575.8	1571.0	1569.0	1569.7	1566.8	1553.2	1539.7	1553.2	1566.8	1569.7
17.5°	1547.1	1545.8	1544.5	1544.4	1545.3	1542.7	1529.1	1515.5	1529.1	1542.7	1545.3
20°	1513.7	1517.3	1522.0	1525.4	1527.4	1525.6	1512.0	1498.5	1512.0	1525.6	1527.4
22.5°	1466.2	1477.0	1489.9	1498.7	1503.4	1503.3	1488.7	1474.0	1488.7	1503.3	1503.4
25°	1376.9	1399.3	1425.7	1445.7	1459.3	1465.9	1451.7	1437.4	1451.7	1465.9	1459.3
27.5°	1272.1	1303.8	1341.4	1373.6	1400.5	1417.7	1406.2	1394.7	1406.2	1417.7	1400.5
30°	1199.0	1233.5	1274.8	1315.2	1354.5	1381.8	1373.0	1364.2	1373.0	1381.8	1354.5
32.5°	1129.2	1165.1	1208.1	1254.1	1303.2	1339.2	1335.8	1332.4	1335.8	1339.2	1303.2
35°	1026.8	1062.5	1106.0	1158.5	1220.2	1268.0	1274.1	1280.2	1274.1	1268.0	1220.2
37.5°	923.9	961.5	1007.0	1062.6	1128.4	1182.2	1200.4	1218.6	1200.4	1182.2	1128.4
40°	855.5	893.2	938.6	995.6	1064.1	1121.9	1147.7	1173.4	1147.7	1121.9	1064.1
42.5°	790.7	828.5	873.9	930.9	999.4	1058.8	1091.1	1123.4	1091.1	1058.8	999.4
45°	695.3	731.9	776.0	833.0	902.8	964.7	1002.7	1040.7	1002.7	964.7	902.8
47.5°	606.7	641.8	684.5	740.7	810.5	872.2	909.9	947.6	909.9	872.2	810.5
50°	548.7	584.4	627.2	681.7	748.2	807.2	843.8	880.5	843.8	807.2	748.2
52.5°	488.7	526.6	570.5	624.8	689.6	746.4	779.3	812.1	779.3	746.4	689.6
55°	398.4	437.9	486.8	541.7	602.7	656.3	687.5	718.7	687.5	656.3	602.7
57.5°	335.5	371.1	415.5	465.2	520.4	568.6	595.6	622.6	595.6	568.6	520.4
60°	301.3	331.6	368.9	414.4	467.9	514.1	537.8	561.5	537.8	514.1	467.9
62.5°	270.0	294.2	323.9	364.7	416.7	460.9	481.9	502.9	481.9	460.9	416.7
65°	225.7	245.7	270.1	304.0	347.4	383.9	399.5	415.0	399.5	383.9	347.4
67.5°	185.3	202.5	224.0	251.4	284.9	312.2	320.9	329.6	320.9	312.2	284.9
70°	162.4	176.5	194.1	217.5	246.7	269.2	272.0	274.7	272.0	269.2	246.7
72.5°	140.7	151.7	165.5	185.1	210.5	229.2	228.1	227.1	228.1	229.2	210.5
75°	111.1	118.5	128.0	141.9	160.2	172.6	167.2	161.7	167.2	172.6	160.2
77.5°	82.1	87.7	94.7	105.0	118.4	126.4	118.3	110.2	118.3	126.4	118.4
80°	64.1	68.2	73.6	81.4	91.6	97.2	89.0	80.9	89.0	97.2	91.6
82.5°	48.2	50.3	53.0	58.1	65.5	69.5	63.0	56.5	63.0	69.5	65.5
85°	19.7	22.9	27.0	30.3	33.1	34.2	30.9	27.5	30.9	34.2	33.1
87.5°	12.6	12.6	13.1	14.3	15.8	15.7	11.9	8.6	11.9	15.3	16.6
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: P1428478

CATALOG NUMBER: SQ2W-PW1-K-150U-075D-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: P1428478

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2
2.5°	1601.5	1598.8	1599.4	1600.2	1601.8	1603.4	1601.8	1600.2	1599.4	1598.8	1601.5
5°	1600.7	1598.0	1598.7	1600.7	1606.8	1612.9	1606.8	1600.7	1598.7	1598.0	1600.7
7.5°	1595.7	1594.5	1596.8	1600.0	1606.0	1612.0	1606.0	1600.0	1596.8	1594.5	1595.7
10°	1590.5	1590.2	1593.6	1597.5	1602.9	1608.3	1602.9	1597.5	1593.6	1590.2	1590.5
12.5°	1583.9	1584.3	1588.3	1592.6	1598.0	1603.4	1598.0	1592.6	1588.3	1584.3	1583.9
15°	1569.0	1571.0	1575.8	1580.2	1583.6	1587.0	1583.6	1580.2	1575.8	1571.0	1569.0
17.5°	1544.4	1544.5	1545.8	1547.1	1548.7	1550.3	1548.7	1547.1	1545.8	1544.5	1544.4
20°	1525.4	1522.0	1517.3	1513.7	1513.7	1513.7	1513.7	1513.7	1517.3	1522.0	1525.4
22.5°	1498.7	1489.9	1477.0	1466.2	1461.9	1457.6	1461.9	1466.2	1477.0	1489.9	1498.7
25°	1445.7	1425.7	1399.3	1376.9	1366.7	1356.5	1366.7	1376.9	1399.3	1425.7	1445.7
27.5°	1373.6	1341.4	1303.8	1272.1	1258.0	1243.9	1258.0	1272.1	1303.8	1341.4	1373.6
30°	1315.2	1274.8	1233.5	1199.0	1185.5	1171.9	1185.5	1199.0	1233.5	1274.8	1315.2
32.5°	1254.1	1208.1	1165.1	1129.2	1114.5	1099.9	1114.5	1129.2	1165.1	1208.1	1254.1
35°	1158.5	1106.0	1062.5	1026.8	1013.9	1001.0	1013.9	1026.8	1062.5	1106.0	1158.5
37.5°	1062.6	1007.0	961.5	923.9	909.7	895.4	909.7	923.9	961.5	1007.0	1062.6
40°	995.6	938.6	893.2	855.5	841.3	827.0	841.3	855.5	893.2	938.6	995.6
42.5°	930.9	873.9	828.5	790.7	775.9	761.1	775.9	790.7	828.5	873.9	930.9
45°	833.0	776.0	731.9	695.3	681.1	666.8	681.1	695.3	731.9	776.0	833.0
47.5°	740.7	684.5	641.8	606.7	594.5	582.3	594.5	606.7	641.8	684.5	740.7
50°	681.7	627.2	584.4	548.7	533.7	518.8	533.7	548.7	584.4	627.2	681.7
52.5°	624.8	570.5	526.6	488.7	468.4	448.0	468.4	488.7	526.6	570.5	624.8
55°	541.7	486.8	437.9	398.4	386.9	375.4	386.9	398.4	437.9	486.8	541.7
57.5°	465.2	415.5	371.1	335.5	326.0	316.5	326.0	335.5	371.1	415.5	465.2
60°	414.4	368.9	331.6	301.3	291.8	282.3	291.8	301.3	331.6	368.9	414.4
62.5°	364.7	323.9	294.2	270.0	262.1	254.2	262.1	270.0	294.2	323.9	364.7
65°	304.0	270.1	245.7	225.7	218.9	212.1	218.9	225.7	245.7	270.1	304.0
67.5°	251.4	224.0	202.5	185.3	180.9	176.4	180.9	185.3	202.5	224.0	251.4
70°	217.5	194.1	176.5	162.4	159.0	155.6	159.0	162.4	176.5	194.1	217.5
72.5°	185.1	165.5	151.7	140.7	138.4	136.1	138.4	140.7	151.7	165.5	185.1
75°	141.9	128.0	118.5	111.1	109.7	108.3	109.7	111.1	118.5	128.0	141.9
77.5°	105.0	94.7	87.7	82.1	81.0	80.0	81.0	82.1	87.7	94.7	105.0
80°	81.4	73.6	68.2	64.1	64.1	64.1	64.1	64.1	68.2	73.6	81.4
82.5°	58.1	53.0	50.3	48.2	48.2	48.2	48.2	48.2	50.3	53.0	58.1
85°	30.3	27.0	22.9	19.7	19.0	18.3	19.0	19.7	22.9	27.0	30.3
87.5°	16.0	17.4	19.8	21.1	22.8	22.0	22.8	21.1	19.8	17.4	16.0
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: P1428478

CATALOG NUMBER: SQ2W-PW1-K-150U-075D-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: P1428478

CATALOG NUMBER: SQ2W-PW1-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1602.2	1602.2	1602.2	1602.2
2.5°	1607.5	1609.7	1600.5	1591.2
5°	1606.8	1608.5	1597.0	1585.4
7.5°	1600.3	1600.8	1589.2	1577.5
10°	1594.6	1594.6	1582.4	1570.2
12.5°	1586.9	1585.9	1573.2	1560.4
15°	1569.7	1566.8	1553.2	1539.7
17.5°	1545.3	1542.7	1529.1	1515.5
20°	1527.4	1525.6	1512.0	1498.5
22.5°	1503.4	1503.3	1488.7	1474.0
25°	1459.3	1465.9	1451.7	1437.4
27.5°	1400.5	1417.7	1406.2	1394.7
30°	1354.5	1381.8	1373.0	1364.2
32.5°	1303.2	1339.2	1335.8	1332.4
35°	1220.2	1268.0	1274.1	1280.2
37.5°	1128.4	1182.2	1200.4	1218.6
40°	1064.1	1121.9	1147.7	1173.4
42.5°	999.4	1058.8	1091.1	1123.4
45°	902.8	964.7	1002.7	1040.7
47.5°	810.5	872.2	909.9	947.6
50°	748.2	807.2	843.8	880.5
52.5°	689.6	746.4	779.3	812.1
55°	602.7	656.3	687.5	718.7
57.5°	520.4	568.6	595.6	622.6
60°	467.9	514.1	537.8	561.5
62.5°	416.7	460.9	481.9	502.9
65°	347.4	383.9	399.5	415.0
67.5°	284.9	312.2	320.9	329.6
70°	246.7	269.2	272.0	274.7
72.5°	210.5	229.2	228.1	227.1
75°	160.2	172.6	167.2	161.7
77.5°	118.4	126.4	118.3	110.2
80°	91.6	97.2	89.0	80.9
82.5°	65.5	69.5	63.0	56.5
85°	33.1	34.2	30.9	27.5
87.5°	16.6	15.3	11.9	8.6
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



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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: P1428478
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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	16.83	17.55	17.90	18.62	20.07	13.07	13.80	14.14	14.87	16.32
	3H	18.12	18.77	19.20	19.84	21.31	14.33	14.98	15.41	16.06	17.53
	4H	18.52	19.14	19.61	20.21	21.69	14.83	15.45	15.92	16.53	18.00
	6H	18.69	19.26	19.79	20.34	21.83	15.13	15.70	16.23	16.78	18.27
	8H	18.73	19.27	19.83	20.37	21.85	15.24	15.78	16.35	16.88	18.36
	12H	18.73	19.24	19.84	20.33	21.84	15.27	15.78	16.38	16.87	18.38
4H	2H	16.94	17.56	18.04	18.63	20.11	13.87	14.48	14.96	15.56	17.04
	3H	18.47	18.98	19.57	20.08	21.57	15.30	15.81	16.41	16.92	18.41
	4H	19.01	19.48	20.12	20.57	22.08	15.87	16.34	16.98	17.44	18.95
	6H	19.31	19.71	20.43	20.83	22.34	16.25	16.65	17.37	17.77	19.27
	8H	19.40	19.78	20.52	20.89	22.41	16.40	16.77	17.51	17.88	19.40
	12H	19.42	19.76	20.55	20.88	22.40	16.44	16.78	17.57	17.90	19.42
8H	4H	19.04	19.41	20.15	20.52	22.04	16.21	16.58	17.32	17.69	19.21
	6H	19.45	19.76	20.59	20.92	22.43	16.70	17.01	17.83	18.16	19.67
	8H	19.62	19.90	20.77	21.03	22.56	16.91	17.19	18.06	18.32	19.85
	12H	19.70	19.94	20.84	21.06	22.64	16.99	17.23	18.14	18.36	19.93
12H	4H	18.99	19.33	20.12	20.45	21.98	16.22	16.56	17.35	17.68	19.21
	6H	19.45	19.72	20.59	20.85	22.39	16.77	17.04	17.91	18.17	19.71
	8H	19.63	19.87	20.78	21.00	22.57	17.01	17.25	18.16	18.38	19.95