

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: P1435831

Luminaire Tested: SQ2W-FA-K-100U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435831
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-100U-125D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

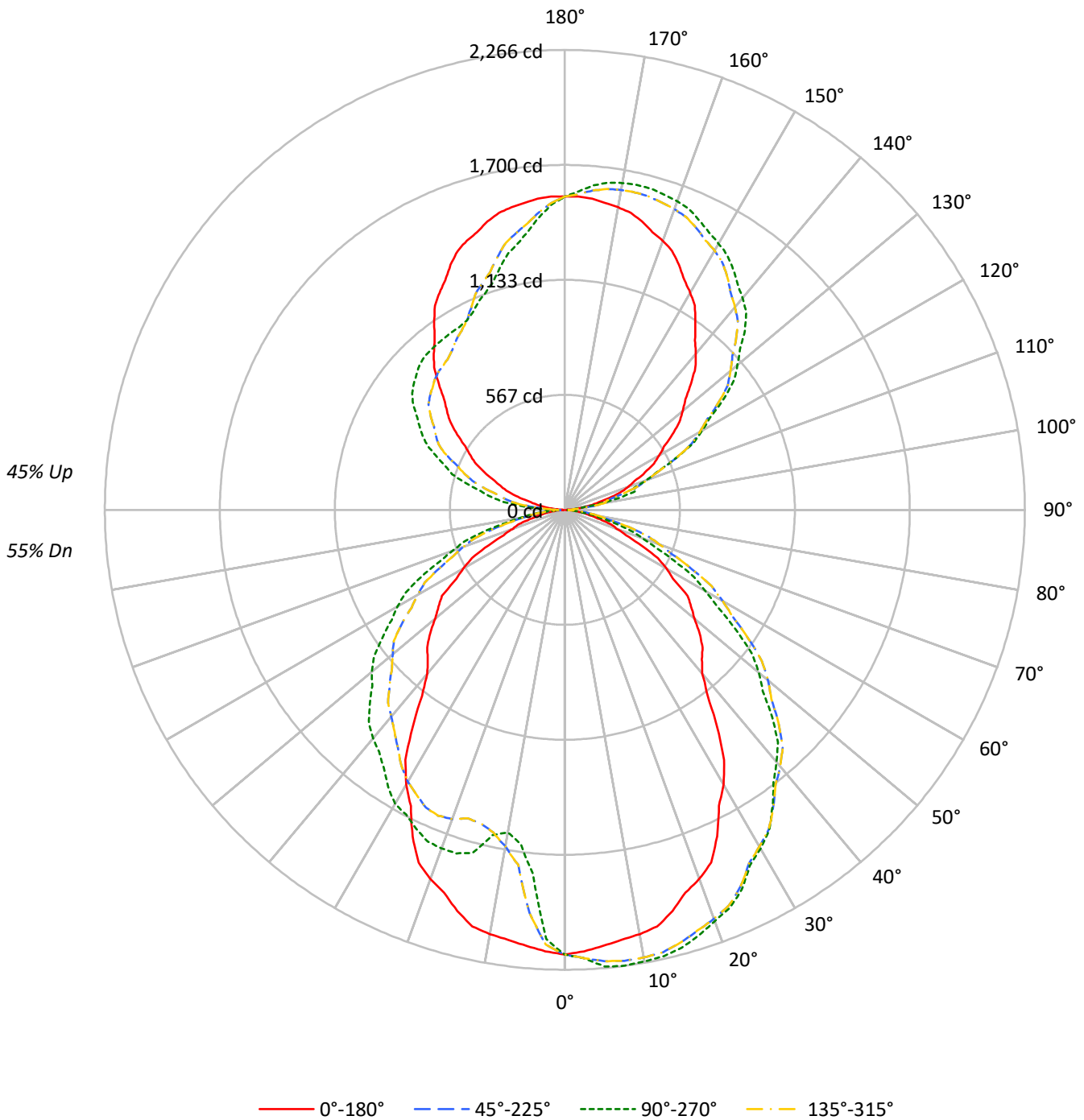
Lumens per Lamp: N/A
Luminaire Lumens: 9953.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55				
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46				
2	90	83	77	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39				
3	82	73	65	60	76	68	61	56	59	54	49	50	46	43	42	39	37	33				
4	75	64	56	50	70	60	53	48	52	47	42	44	40	37	37	34	32	28				
5	69	57	49	43	64	54	46	41	47	41	36	40	35	32	34	30	28	25				
6	64	51	43	37	59	48	41	36	42	36	32	36	31	28	31	27	24	22				
7	59	46	38	33	55	44	36	31	38	32	28	33	28	25	28	24	22	19				
8	55	42	34	29	51	40	33	28	35	29	25	30	25	22	26	22	19	17				
9	51	39	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15				
10	48	35	28	23	44	33	27	22	29	24	20	25	21	18	22	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35372	35372	35372	35372
5°	34957	36609	34957	29176
10°	34804	37032	34804	26451
15°	34207	37330	34207	29240
20°	33266	37059	33266	30494
25°	31617	36761	31617	30860
30°	29130	35937	29130	31188
35°	25775	35147	25775	30629
40°	22194	34184	22194	30964
45°	21911	32962	21911	31024
50°	20903	31355	20903	31141
55°	20796	28923	20796	30834
60°	18645	25775	18645	30712
65°	15897	22708	15897	29845
70°	12826	19241	12826	27658
75°	11123	15889	11123	25427
80°	9475	11845	9475	20530
85°	6298	6298	6298	12578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 33996 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	2.0
10°-20°	550.8	5.5
20°-30°	836.5	8.4
30°-40°	982.1	9.9
40°-50°	996.6	10.0
50°-60°	872.9	8.8
60°-70°	619.2	6.2
70°-80°	318.8	3.2
80°-90°	73.2	0.7
90°-100°	122.8	1.2
100°-110°	358.2	3.6
110°-120°	584.5	5.9
120°-130°	741.7	7.5
130°-140°	793.6	8.0
140°-150°	741.1	7.4
150°-160°	609.8	6.1
160°-170°	409.0	4.1
170°-180°	145.2	1.5
0°-30°	1584.4	15.9
0°-40°	2566.5	25.8
0°-60°	4436.0	44.6
0°-90°	5447.2	54.7
90°-120°	1065.5	10.7
90°-150°	3341.8	33.6
90°-180°	4506.0	45.3
0°-180°	9953.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2191	2191	2191	2191	2191	
5°	2157	2259	2157	1800	2157	205
15°	2046	2233	2046	1749	2046	575
25°	1775	2064	1775	1732	1775	810
35°	1308	1783	1308	1554	1308	815
45°	960	1444	960	1359	960	734
55°	739	1028	739	1095	739	639
65°	416	594	416	781	416	416
75°	178	255	178	408	178	193
85°	34	34	34	68	34	43
90°	5	34	5	67	5	5
95°	48	36	48	210	48	58
105°	228	365	228	502	228	242
115°	436	605	436	745	436	430
125°	645	959	645	913	645	577
135°	878	1255	878	1012	878	678
145°	1121	1446	1121	1034	1121	701
155°	1331	1571	1331	1072	1331	612
165°	1472	1638	1472	1235	1472	414
175°	1538	1604	1538	1448	1538	146
180°	1543	1543	1543	1543	1543	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8
2.5°	2177.3	2192.4	2207.5	2211.2	2211.2	2211.2	2211.2	2211.2	2211.2	2211.2	2211.2
5°	2156.9	2183.3	2209.7	2222.0	2229.5	2235.2	2239.0	2243.7	2251.2	2258.8	2251.2
7.5°	2136.5	2172.0	2207.5	2224.8	2236.1	2245.2	2252.0	2258.0	2261.8	2265.6	2261.8
10°	2122.9	2164.4	2205.9	2224.8	2236.1	2243.7	2247.5	2251.2	2255.0	2258.8	2255.0
12.5°	2102.5	2147.1	2191.6	2213.5	2227.8	2236.9	2240.7	2244.4	2248.2	2252.0	2248.2
15°	2046.5	2106.9	2167.3	2190.8	2202.2	2211.6	2219.2	2225.8	2229.5	2233.3	2229.5
17.5°	1976.9	2050.1	2123.3	2152.9	2168.0	2179.0	2185.8	2191.6	2194.6	2197.6	2194.6
20°	1936.1	2015.4	2094.6	2125.7	2140.8	2150.3	2154.0	2156.9	2156.9	2156.9	2156.9
22.5°	1881.7	1970.1	2058.4	2091.8	2106.9	2114.8	2115.6	2116.9	2119.9	2122.9	2119.9
25°	1774.8	1876.7	1978.6	2021.0	2043.7	2053.1	2049.3	2048.4	2055.9	2063.5	2055.9
27.5°	1644.0	1772.3	1900.6	1944.0	1959.1	1968.6	1972.3	1975.2	1975.2	1975.2	1975.2
30°	1562.5	1705.9	1849.3	1896.5	1911.6	1921.0	1924.8	1927.6	1927.6	1927.6	1927.6
32.5°	1460.6	1631.2	1801.7	1853.4	1865.5	1871.9	1872.7	1873.3	1873.3	1873.3	1873.3
35°	1307.7	1515.3	1722.9	1780.4	1788.0	1791.7	1791.7	1790.8	1787.0	1783.2	1787.0
37.5°	1154.9	1390.4	1625.9	1693.2	1704.6	1707.6	1702.3	1697.4	1693.6	1689.8	1693.6
40°	1053.0	1309.6	1566.2	1638.9	1650.2	1650.2	1638.9	1629.5	1625.7	1621.9	1625.7
42.5°	998.6	1252.2	1505.9	1577.7	1589.1	1587.6	1573.2	1561.5	1557.7	1554.0	1557.7
45°	959.6	1186.0	1412.4	1477.5	1488.9	1487.0	1471.9	1458.7	1451.1	1443.6	1451.1
47.5°	900.1	1099.4	1298.7	1362.6	1381.5	1379.6	1357.0	1338.1	1330.5	1323.0	1330.5
50°	832.2	1028.4	1224.7	1287.9	1306.8	1304.9	1282.2	1263.4	1255.8	1248.3	1255.8
52.5°	784.6	968.8	1153.0	1210.9	1226.8	1221.9	1196.2	1175.1	1167.5	1160.0	1167.5
55°	738.8	893.5	1048.2	1095.4	1106.7	1099.2	1072.8	1050.1	1038.8	1027.5	1038.8
57.5°	631.8	779.0	926.2	972.0	984.1	975.0	944.8	919.0	906.2	893.3	906.2
60°	577.4	709.5	841.6	886.0	901.1	893.5	863.3	836.0	817.1	798.2	817.1
62.5°	516.3	633.3	750.3	795.4	816.5	812.0	781.8	754.4	735.6	716.7	735.6
65°	416.1	518.0	619.9	665.2	691.6	689.7	659.5	632.2	613.3	594.4	613.3
67.5°	326.1	413.6	501.2	545.7	575.9	574.4	541.2	512.5	497.4	482.3	497.4
70°	271.7	347.2	422.7	464.2	494.4	494.4	464.2	437.8	422.7	407.6	422.7
72.5°	237.8	295.1	352.5	391.7	425.0	425.0	391.7	363.8	351.7	339.7	351.7
75°	178.3	212.3	246.3	283.1	320.8	324.6	294.4	269.8	262.3	254.7	262.3
77.5°	129.1	144.9	160.8	189.6	222.9	226.6	201.0	181.0	177.9	174.9	177.9
80°	101.9	105.7	109.4	133.0	163.2	167.0	144.4	127.4	127.4	127.4	127.4
82.5°	67.9	71.7	75.5	92.3	113.4	115.7	99.1	85.9	82.8	79.8	82.8
85°	34.0	34.0	34.0	39.6	47.2	47.2	39.6	34.0	34.0	34.0	34.0
87.5°	7.7	9.0	10.5	14.0	18.0	18.3	15.3	13.3	13.7	13.7	13.7
90°	4.7	10.9	18.7	24.9	29.6	31.2	31.2	32.7	34.3	34.3	34.3
92.5°	17.1	27.1	27.4	27.4	33.4	36.2	38.7	39.0	40.5	40.5	40.5
95°	48.3	53.0	79.5	77.9	53.0	42.1	35.9	35.9	35.9	35.9	35.9
97.5°	92.3	99.1	103.5	138.7	146.5	141.5	115.3	97.0	86.7	82.0	86.7
100°	130.9	134.1	143.4	145.0	183.9	221.3	202.6	179.3	171.5	166.8	171.5
102.5°	169.6	171.5	185.8	192.4	201.4	222.6	287.4	280.3	275.0	274.0	275.0
105°	227.6	229.1	255.6	268.1	274.3	274.3	272.8	304.0	353.8	364.8	353.8
107.5°	289.6	296.8	328.0	361.3	368.5	370.4	362.3	357.6	355.7	357.0	355.7
110°	332.0	342.9	380.3	422.4	433.3	436.5	433.3	428.7	425.5	425.5	425.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	373.2	389.1	431.5	479.8	498.2	507.5	500.7	497.2	494.1	496.6	494.1
115°	436.5	459.8	516.0	565.8	603.2	607.9	606.4	606.4	604.8	604.8	604.8
117.5°	495.1	532.5	595.5	653.4	696.8	709.2	715.5	713.6	711.7	714.9	711.7
120°	536.2	579.9	651.6	717.0	759.1	777.8	784.1	780.9	784.1	780.9	784.1
122.5°	579.9	633.5	703.9	771.9	821.5	842.7	850.2	850.8	851.4	849.5	851.4
125°	645.3	710.8	793.4	863.6	915.0	939.9	946.2	947.7	950.9	958.6	950.9
127.5°	711.4	785.6	876.3	944.0	996.7	1026.9	1036.6	1040.0	1046.6	1050.0	1046.6
130°	757.6	841.7	933.7	997.6	1049.1	1081.8	1098.9	1103.6	1111.4	1109.8	1111.4
132.5°	806.2	894.1	987.3	1053.7	1101.4	1136.7	1151.3	1164.7	1167.5	1169.7	1167.5
135°	877.6	972.7	1066.2	1131.7	1176.9	1211.2	1229.9	1242.3	1250.1	1254.8	1250.1
137.5°	952.7	1053.1	1142.9	1201.2	1246.7	1276.3	1297.5	1310.6	1318.7	1322.5	1318.7
140°	1003.9	1100.5	1187.8	1248.6	1289.1	1318.7	1337.4	1353.0	1362.4	1362.4	1362.4
142.5°	1052.5	1147.9	1232.7	1293.5	1329.0	1356.1	1376.1	1387.9	1398.5	1398.5	1398.5
145°	1120.8	1215.8	1293.8	1354.6	1384.2	1409.1	1431.0	1440.3	1446.5	1446.5	1446.5
147.5°	1192.2	1276.3	1347.4	1405.7	1430.6	1459.9	1477.1	1484.6	1492.4	1488.9	1492.4
150°	1234.6	1312.5	1381.1	1435.6	1460.6	1488.6	1505.8	1512.0	1519.8	1515.1	1519.8
152.5°	1275.7	1349.9	1412.3	1463.1	1484.3	1512.3	1532.0	1538.2	1543.5	1540.1	1543.5
155°	1331.2	1396.7	1454.3	1501.1	1519.8	1546.3	1565.0	1572.8	1579.0	1571.2	1579.0
157.5°	1380.8	1437.2	1487.4	1530.4	1550.4	1573.1	1590.6	1600.2	1606.5	1603.0	1606.5
160°	1410.7	1462.1	1507.3	1547.9	1566.6	1586.8	1605.5	1616.5	1622.7	1618.0	1622.7
162.5°	1435.6	1482.1	1524.8	1561.6	1577.8	1595.6	1618.0	1627.7	1633.9	1628.0	1633.9
165°	1471.5	1508.9	1546.3	1577.5	1591.5	1605.5	1628.9	1639.8	1644.5	1638.3	1644.5
167.5°	1498.6	1527.3	1557.5	1584.3	1594.6	1608.3	1631.7	1640.8	1646.7	1638.9	1646.7
170°	1513.6	1538.5	1565.0	1586.8	1594.6	1607.1	1630.5	1638.3	1643.0	1635.2	1643.0
172.5°	1526.0	1544.7	1566.3	1585.6	1589.6	1599.6	1621.8	1629.5	1633.0	1626.4	1633.0
175°	1538.5	1549.4	1565.0	1577.5	1575.9	1582.2	1600.9	1607.1	1613.3	1604.0	1613.3
177.5°	1544.4	1549.4	1554.4	1561.9	1556.9	1556.9	1570.6	1574.4	1575.6	1570.6	1575.6
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8
2.5°	2211.2	2211.2	2211.2	2211.2	2211.2	2207.5	2192.4	2177.3	2177.3	2177.3	2165.9
5°	2243.7	2239.0	2235.2	2229.5	2222.0	2209.7	2183.3	2156.9	2145.6	2134.2	2086.1
7.5°	2258.0	2252.0	2245.2	2236.1	2224.8	2207.5	2172.0	2136.5	2085.9	2035.4	1928.2
10°	2251.2	2247.5	2243.7	2236.1	2224.8	2205.9	2164.4	2122.9	2021.0	1919.1	1817.2
12.5°	2244.4	2240.7	2236.9	2227.8	2213.5	2191.6	2147.1	2102.5	1958.4	1814.2	1722.1
15°	2225.8	2219.2	2211.6	2202.2	2190.8	2167.3	2106.9	2046.5	1884.2	1721.9	1644.5
17.5°	2191.6	2185.8	2179.0	2168.0	2152.9	2123.3	2050.1	1976.9	1807.0	1637.2	1587.4
20°	2156.9	2154.0	2150.3	2140.8	2125.7	2094.6	2015.4	1936.1	1766.3	1596.4	1573.8
22.5°	2116.9	2115.6	2114.8	2106.9	2091.8	2058.4	1970.1	1881.7	1714.9	1548.1	1548.9
25°	2048.4	2049.3	2053.1	2043.7	2021.0	1978.6	1876.7	1774.8	1627.6	1480.4	1505.9
27.5°	1975.2	1972.3	1968.6	1959.1	1944.0	1900.6	1772.3	1644.0	1527.7	1411.5	1453.8
30°	1927.6	1924.8	1921.0	1911.6	1896.5	1849.3	1705.9	1562.5	1464.3	1366.2	1415.3
32.5°	1873.3	1872.7	1871.9	1865.5	1853.4	1801.7	1631.2	1460.6	1389.6	1318.7	1370.0
35°	1790.8	1791.7	1791.7	1788.0	1780.4	1722.9	1515.3	1307.7	1277.5	1247.3	1307.7
37.5°	1697.4	1702.3	1707.6	1704.6	1693.2	1625.9	1390.4	1154.9	1164.7	1174.5	1247.7
40°	1629.5	1638.9	1650.2	1650.2	1638.9	1566.2	1309.6	1053.0	1086.9	1120.9	1200.2
42.5°	1561.5	1573.2	1587.6	1589.1	1577.7	1505.9	1252.2	998.6	1035.6	1072.6	1154.9
45°	1458.7	1471.9	1487.0	1488.9	1477.5	1412.4	1186.0	959.6	982.2	1004.8	1084.1
47.5°	1338.1	1357.0	1379.6	1381.5	1362.6	1298.7	1099.4	900.1	916.7	933.3	1014.5
50°	1263.4	1282.2	1304.9	1306.8	1287.9	1224.7	1028.4	832.2	854.8	877.5	962.4
52.5°	1175.1	1196.2	1221.9	1226.8	1210.9	1153.0	968.8	784.6	798.2	811.8	903.5
55°	1050.1	1072.8	1099.2	1106.7	1095.4	1048.2	893.5	738.8	727.5	716.1	809.5
57.5°	919.0	944.8	975.0	984.1	972.0	926.2	779.0	631.8	622.0	612.2	713.3
60°	836.0	863.3	893.5	901.1	886.0	841.6	709.5	577.4	558.6	539.7	645.4
62.5°	754.4	781.8	812.0	816.5	795.4	750.3	633.3	516.3	503.5	490.6	593.3
65°	632.2	659.5	689.7	691.6	665.2	619.9	518.0	416.1	423.6	431.2	523.7
67.5°	512.5	541.2	574.4	575.9	545.7	501.2	413.6	326.1	351.0	375.9	459.1
70°	437.8	464.2	494.4	494.4	464.2	422.7	347.2	271.7	305.7	339.7	416.1
72.5°	363.8	391.7	425.0	425.0	391.7	352.5	295.1	237.8	271.7	305.7	368.5
75°	269.8	294.4	324.6	320.8	283.1	246.3	212.3	178.3	212.3	246.3	294.4
77.5°	181.0	201.0	226.6	222.9	189.6	160.8	144.9	129.1	157.0	184.9	218.5
80°	127.4	144.4	167.0	163.2	133.0	109.4	105.7	101.9	120.8	139.6	164.2
82.5°	85.9	99.1	115.7	113.4	92.3	75.5	71.7	67.9	83.8	99.6	116.6
85°	34.0	39.6	47.2	47.2	39.6	34.0	34.0	34.0	41.5	49.1	56.6
87.5°	13.3	15.3	18.3	18.0	14.0	10.5	9.0	7.7	12.0	16.3	19.2
90°	32.7	31.2	31.2	29.6	24.9	18.7	10.9	4.7	10.9	17.1	28.1
92.5°	39.0	38.7	36.2	33.4	27.4	27.4	27.1	17.1	29.6	42.1	60.5
95°	35.9	35.9	42.1	53.0	77.9	79.5	53.0	48.3	68.6	96.6	121.6
97.5°	97.0	115.3	141.5	146.5	138.7	103.5	99.1	92.3	125.6	153.4	193.6
100°	179.3	202.6	221.3	183.9	145.0	143.4	134.1	130.9	166.8	193.3	232.3
102.5°	280.3	287.4	222.6	201.4	192.4	185.8	171.5	169.6	205.4	241.9	274.7
105°	304.0	272.8	274.3	274.3	268.1	255.6	229.1	227.6	268.1	310.2	350.7
107.5°	357.6	362.3	370.4	368.5	361.3	328.0	296.8	289.6	326.1	376.6	421.2
110°	428.7	433.3	436.5	433.3	422.4	380.3	342.9	332.0	364.8	417.8	466.1



TEST NUMBER: P1435831

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	497.2	500.7	507.5	498.2	479.8	431.5	389.1	373.2	405.9	460.2	509.7
115°	606.4	606.4	607.9	603.2	565.8	516.0	459.8	436.5	464.5	514.4	569.0
117.5°	713.6	715.5	709.2	696.8	653.4	595.5	532.5	495.1	517.2	569.9	626.0
120°	780.9	784.1	777.8	759.1	717.0	651.6	579.9	536.2	553.4	604.8	660.9
122.5°	850.8	850.2	842.7	821.5	771.9	703.9	633.5	579.9	587.0	634.7	689.6
125°	947.7	946.2	939.9	915.0	863.6	793.4	710.8	645.3	636.0	676.5	732.6
127.5°	1040.0	1036.6	1026.9	996.7	944.0	876.3	785.6	711.4	690.5	716.1	767.5
130°	1103.6	1098.9	1081.8	1049.1	997.6	933.7	841.7	757.6	727.9	743.5	788.7
132.5°	1164.7	1151.3	1136.7	1101.4	1053.7	987.3	894.1	806.2	765.4	772.2	807.4
135°	1242.3	1229.9	1211.2	1176.9	1131.7	1066.2	972.7	877.6	821.5	815.2	835.5
137.5°	1310.6	1297.5	1276.3	1246.7	1201.2	1142.9	1053.1	952.7	882.0	861.1	868.9
140°	1353.0	1337.4	1318.7	1289.1	1248.6	1187.8	1100.5	1003.9	924.4	894.7	890.1
142.5°	1387.9	1376.1	1356.1	1329.0	1293.5	1232.7	1147.9	1052.5	968.0	929.7	918.7
145°	1440.3	1431.0	1409.1	1384.2	1354.6	1293.8	1215.8	1120.8	1036.6	986.7	963.3
147.5°	1484.6	1477.1	1459.9	1430.6	1405.7	1347.4	1276.3	1192.2	1105.8	1044.1	1013.8
150°	1512.0	1505.8	1488.6	1460.6	1435.6	1381.1	1312.5	1234.6	1151.9	1086.5	1047.5
152.5°	1538.2	1532.0	1512.3	1484.3	1463.1	1412.3	1349.9	1275.7	1191.8	1126.4	1086.2
155°	1572.8	1565.0	1546.3	1519.8	1501.1	1454.3	1396.7	1331.2	1259.5	1190.9	1145.7
157.5°	1600.2	1590.6	1573.1	1550.4	1530.4	1487.4	1437.2	1380.8	1318.1	1252.6	1206.5
160°	1616.5	1605.5	1586.8	1566.6	1547.9	1507.3	1462.1	1410.7	1353.0	1293.8	1243.9
162.5°	1627.7	1618.0	1595.6	1577.8	1561.6	1524.8	1482.1	1435.6	1384.2	1332.4	1286.3
165°	1639.8	1628.9	1605.5	1591.5	1577.5	1546.3	1508.9	1471.5	1427.8	1385.8	1348.3
167.5°	1640.8	1631.7	1608.3	1594.6	1584.3	1557.5	1527.3	1498.6	1464.6	1431.6	1400.4
170°	1638.3	1630.5	1607.1	1594.6	1586.8	1565.0	1538.5	1513.6	1487.1	1459.0	1434.1
172.5°	1629.5	1621.8	1599.6	1589.6	1585.6	1566.3	1544.7	1526.0	1503.3	1482.7	1462.8
175°	1607.1	1600.9	1582.2	1575.9	1577.5	1565.0	1549.4	1538.5	1524.5	1512.0	1501.1
177.5°	1574.4	1570.6	1556.9	1556.9	1561.9	1554.4	1549.4	1544.4	1538.2	1534.5	1530.7
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435831

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8	2190.8
2.5°	2150.8	2138.8	2129.7	2122.2	2119.1	2116.1	2119.1	2122.2	2129.7	2138.8	2150.8
5°	2025.7	1961.6	1893.6	1838.0	1819.1	1800.2	1819.1	1838.0	1893.6	1961.6	2025.7
7.5°	1802.1	1724.7	1696.1	1673.0	1667.0	1661.0	1667.0	1673.0	1696.1	1724.7	1802.1
10°	1715.3	1653.0	1630.4	1613.4	1613.4	1613.4	1613.4	1613.4	1630.4	1653.0	1715.3
12.5°	1647.4	1609.3	1607.8	1610.4	1625.5	1640.6	1625.5	1610.4	1607.8	1609.3	1647.4
15°	1595.5	1601.1	1661.5	1711.5	1730.4	1749.3	1730.4	1711.5	1661.5	1601.1	1595.5
17.5°	1577.6	1610.0	1684.7	1744.6	1759.7	1774.8	1759.7	1744.6	1684.7	1610.0	1577.6
20°	1600.2	1641.7	1698.3	1744.6	1759.7	1774.8	1759.7	1744.6	1698.3	1641.7	1600.2
22.5°	1605.5	1656.1	1700.6	1737.8	1752.9	1768.0	1752.9	1737.8	1700.6	1656.1	1605.5
25°	1588.9	1649.3	1687.0	1717.2	1724.7	1732.3	1724.7	1717.2	1687.0	1649.3	1588.9
27.5°	1548.9	1615.3	1653.0	1682.7	1688.0	1693.2	1688.0	1682.7	1653.0	1615.3	1548.9
30°	1513.4	1581.3	1619.1	1650.2	1661.5	1672.9	1661.5	1650.2	1619.1	1581.3	1513.4
32.5°	1462.1	1531.5	1578.3	1614.0	1616.2	1618.5	1616.2	1614.0	1578.3	1531.5	1462.1
35°	1398.3	1470.0	1522.8	1561.5	1557.7	1554.0	1557.7	1561.5	1522.8	1470.0	1398.3
37.5°	1342.1	1412.3	1458.3	1494.0	1498.5	1503.0	1498.5	1494.0	1458.3	1412.3	1342.1
40°	1294.5	1366.2	1415.3	1454.0	1461.5	1469.1	1461.5	1454.0	1415.3	1366.2	1294.5
42.5°	1252.2	1325.5	1374.5	1413.2	1420.7	1428.3	1420.7	1413.2	1374.5	1325.5	1252.2
45°	1182.2	1257.7	1310.5	1351.1	1354.9	1358.7	1354.9	1351.1	1310.5	1257.7	1182.2
47.5°	1117.1	1193.0	1242.0	1279.8	1283.6	1287.3	1283.6	1279.8	1242.0	1193.0	1117.1
50°	1068.1	1145.4	1194.5	1232.2	1236.0	1239.8	1236.0	1232.2	1194.5	1145.4	1068.1
52.5°	1021.3	1101.6	1144.7	1177.9	1181.7	1185.4	1181.7	1177.9	1144.7	1101.6	1021.3
55°	937.9	1022.8	1064.3	1095.4	1095.4	1095.4	1095.4	1095.4	1064.3	1022.8	937.9
57.5°	851.4	938.6	974.8	1003.1	1007.7	1012.2	1007.7	1003.1	974.8	938.6	851.4
60°	792.6	881.2	911.4	936.0	943.5	951.1	943.5	936.0	911.4	881.2	792.6
62.5°	734.4	820.1	850.3	874.1	878.6	883.1	878.6	874.1	850.3	820.1	734.4
65°	644.4	719.9	750.1	773.7	777.5	781.2	777.5	773.7	750.1	719.9	644.4
67.5°	561.8	623.7	644.8	661.4	664.4	667.4	664.4	661.4	644.8	623.7	561.8
70°	506.7	559.5	574.6	585.9	585.9	585.9	585.9	585.9	574.6	559.5	506.7
72.5°	441.0	484.8	499.9	512.0	515.0	518.0	515.0	512.0	499.9	484.8	441.0
75°	347.2	379.3	390.6	400.1	403.8	407.6	403.8	400.1	390.6	379.3	347.2
77.5°	254.0	275.1	281.9	288.0	291.7	295.5	291.7	288.0	281.9	275.1	254.0
80°	190.6	205.7	209.5	213.2	217.0	220.8	217.0	213.2	209.5	205.7	190.6
82.5°	134.0	144.5	148.3	151.3	152.1	152.8	152.1	151.3	148.3	144.5	134.0
85°	64.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	64.2
87.5°	20.8	22.9	25.1	26.4	27.6	27.0	27.6	26.4	25.1	22.9	20.8
90°	35.9	46.8	57.7	63.9	70.1	67.0	70.1	63.9	57.7	46.8	35.9
92.5°	72.0	90.4	103.8	115.0	120.0	119.4	120.0	115.0	103.8	90.4	72.0
95°	145.0	166.8	188.6	204.2	213.6	210.4	213.6	204.2	188.6	166.8	145.0
97.5°	223.5	252.8	277.2	291.8	301.2	307.4	301.2	291.8	277.2	252.8	223.5
100°	275.9	304.0	332.0	349.2	364.8	371.0	364.8	349.2	332.0	304.0	275.9
102.5°	318.3	355.1	385.6	404.0	417.1	423.4	417.1	404.0	385.6	355.1	318.3
105°	388.1	427.1	459.8	483.2	497.2	501.9	497.2	483.2	459.8	427.1	388.1
107.5°	458.0	498.2	528.4	554.3	571.4	581.4	571.4	554.3	528.4	498.2	458.0
110°	512.8	545.6	578.3	601.7	618.8	625.1	618.8	601.7	578.3	545.6	512.8

TEST NUMBER: P1435831

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	559.0	595.5	628.2	651.6	671.2	679.9	671.2	651.6	628.2	595.5	559.0
115°	623.5	671.8	701.4	723.3	737.3	745.1	737.3	723.3	701.4	671.8	623.5
117.5°	677.1	727.6	760.1	776.9	783.4	789.1	783.4	776.9	760.1	727.6	677.1
120°	710.8	757.6	795.0	816.8	824.6	827.7	824.6	816.8	795.0	757.6	710.8
122.5°	742.0	786.2	822.4	849.2	862.0	865.1	862.0	849.2	822.4	786.2	742.0
125°	785.6	827.7	865.1	891.6	905.6	913.4	905.6	891.6	865.1	827.7	785.6
127.5°	823.7	869.2	903.5	927.5	941.2	947.4	941.2	927.5	903.5	869.2	823.7
130°	844.9	891.6	925.9	952.4	964.9	971.1	964.9	952.4	925.9	891.6	844.9
132.5°	861.1	910.3	945.9	969.9	983.6	989.8	983.6	969.9	945.9	910.3	861.1
135°	880.7	932.1	969.6	992.9	1005.4	1011.6	1005.4	992.9	969.6	932.1	880.7
137.5°	897.9	944.6	983.6	1008.2	1019.4	1023.5	1019.4	1008.2	983.6	944.6	897.9
140°	910.3	950.9	989.8	1013.2	1025.7	1027.2	1025.7	1013.2	989.8	950.9	910.3
142.5°	926.5	958.3	992.3	1015.7	1028.2	1031.0	1028.2	1015.7	992.3	958.3	926.5
145°	955.5	974.2	997.6	1019.4	1030.4	1033.5	1030.4	1019.4	997.6	974.2	955.5
147.5°	992.0	997.9	1010.1	1024.4	1035.0	1037.2	1035.0	1024.4	1010.1	997.9	992.0
150°	1019.4	1017.9	1022.6	1031.9	1041.3	1039.7	1041.3	1031.9	1022.6	1017.9	1019.4
152.5°	1050.6	1041.6	1041.3	1045.6	1050.0	1049.7	1050.0	1045.6	1041.3	1041.6	1050.6
155°	1103.6	1086.5	1077.1	1074.0	1074.0	1072.4	1074.0	1074.0	1077.1	1086.5	1103.6
157.5°	1161.9	1137.9	1123.9	1116.4	1114.2	1110.8	1114.2	1116.4	1123.9	1137.9	1161.9
160°	1201.8	1175.3	1161.3	1148.8	1144.1	1139.5	1144.1	1148.8	1161.3	1175.3	1201.8
162.5°	1239.2	1214.0	1198.7	1187.5	1182.8	1175.6	1182.8	1187.5	1198.7	1214.0	1239.2
165°	1300.0	1273.5	1256.4	1247.0	1240.8	1234.6	1240.8	1247.0	1256.4	1273.5	1300.0
167.5°	1360.8	1331.8	1320.6	1310.0	1304.1	1292.8	1304.1	1310.0	1320.6	1331.8	1360.8
170°	1398.2	1371.7	1365.5	1356.1	1345.2	1332.8	1345.2	1356.1	1365.5	1371.7	1398.2
172.5°	1430.6	1412.9	1406.6	1397.3	1393.9	1383.9	1393.9	1397.3	1406.6	1412.9	1430.6
175°	1477.7	1463.7	1463.7	1462.1	1457.5	1448.1	1457.5	1462.1	1463.7	1463.7	1477.7
177.5°	1517.0	1509.5	1514.5	1514.5	1513.3	1504.5	1513.3	1514.5	1514.5	1509.5	1517.0
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435831

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2190.8	2190.8	2190.8	2190.8
2.5°	2165.9	2177.3	2177.3	2177.3
5°	2086.1	2134.2	2145.6	2156.9
7.5°	1928.2	2035.4	2085.9	2136.5
10°	1817.2	1919.1	2021.0	2122.9
12.5°	1722.1	1814.2	1958.4	2102.5
15°	1644.5	1721.9	1884.2	2046.5
17.5°	1587.4	1637.2	1807.0	1976.9
20°	1573.8	1596.4	1766.3	1936.1
22.5°	1548.9	1548.1	1714.9	1881.7
25°	1505.9	1480.4	1627.6	1774.8
27.5°	1453.8	1411.5	1527.7	1644.0
30°	1415.3	1366.2	1464.3	1562.5
32.5°	1370.0	1318.7	1389.6	1460.6
35°	1307.7	1247.3	1277.5	1307.7
37.5°	1247.7	1174.5	1164.7	1154.9
40°	1200.2	1120.9	1086.9	1053.0
42.5°	1154.9	1072.6	1035.6	998.6
45°	1084.1	1004.8	982.2	959.6
47.5°	1014.5	933.3	916.7	900.1
50°	962.4	877.5	854.8	832.2
52.5°	903.5	811.8	798.2	784.6
55°	809.5	716.1	727.5	738.8
57.5°	713.3	612.2	622.0	631.8
60°	645.4	539.7	558.6	577.4
62.5°	593.3	490.6	503.5	516.3
65°	523.7	431.2	423.6	416.1
67.5°	459.1	375.9	351.0	326.1
70°	416.1	339.7	305.7	271.7
72.5°	368.5	305.7	271.7	237.8
75°	294.4	246.3	212.3	178.3
77.5°	218.5	184.9	157.0	129.1
80°	164.2	139.6	120.8	101.9
82.5°	116.6	99.6	83.8	67.9
85°	56.6	49.1	41.5	34.0
87.5°	19.2	16.3	12.0	7.7
90°	28.1	17.1	10.9	4.7
92.5°	60.5	42.1	29.6	17.1
95°	121.6	96.6	68.6	48.3
97.5°	193.6	153.4	125.6	92.3
100°	232.3	193.3	166.8	130.9
102.5°	274.7	241.9	205.4	169.6
105°	350.7	310.2	268.1	227.6
107.5°	421.2	376.6	326.1	289.6
110°	466.1	417.8	364.8	332.0



TEST NUMBER: P1435831

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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	509.7	460.2	405.9	373.2
115°	569.0	514.4	464.5	436.5
117.5°	626.0	569.9	517.2	495.1
120°	660.9	604.8	553.4	536.2
122.5°	689.6	634.7	587.0	579.9
125°	732.6	676.5	636.0	645.3
127.5°	767.5	716.1	690.5	711.4
130°	788.7	743.5	727.9	757.6
132.5°	807.4	772.2	765.4	806.2
135°	835.5	815.2	821.5	877.6
137.5°	868.9	861.1	882.0	952.7
140°	890.1	894.7	924.4	1003.9
142.5°	918.7	929.7	968.0	1052.5
145°	963.3	986.7	1036.6	1120.8
147.5°	1013.8	1044.1	1105.8	1192.2
150°	1047.5	1086.5	1151.9	1234.6
152.5°	1086.2	1126.4	1191.8	1275.7
155°	1145.7	1190.9	1259.5	1331.2
157.5°	1206.5	1252.6	1318.1	1380.8
160°	1243.9	1293.8	1353.0	1410.7
162.5°	1286.3	1332.4	1384.2	1435.6
165°	1348.3	1385.8	1427.8	1471.5
167.5°	1400.4	1431.6	1464.6	1498.6
170°	1434.1	1459.0	1487.1	1513.6
172.5°	1462.8	1482.7	1503.3	1526.0
175°	1501.1	1512.0	1524.5	1538.5
177.5°	1530.7	1534.5	1538.2	1544.4
180°	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435831
 CATALOG NUMBER: SQ2W-FA-K-100U-125D-L840-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	19.19	20.10	20.11	21.03	22.23	20.39	21.30	21.31	22.23	23.43
	3H	20.29	21.10	21.21	22.04	23.27	21.64	22.45	22.57	23.39	24.62
	4H	20.64	21.41	21.58	22.35	23.59	22.03	22.80	22.97	23.75	24.98
	6H	20.80	21.51	21.76	22.46	23.71	22.19	22.90	23.15	23.85	25.10
	8H	20.84	21.51	21.80	22.48	23.73	22.22	22.89	23.18	23.86	25.11
	12H	20.84	21.48	21.80	22.44	23.71	22.21	22.84	23.17	23.81	25.08
4H	2H	20.07	20.83	21.01	21.78	23.02	20.98	21.75	21.93	22.69	23.93
	3H	21.46	22.10	22.42	23.08	24.33	22.45	23.09	23.41	24.07	25.31
	4H	21.92	22.50	22.88	23.47	24.74	22.93	23.51	23.89	24.48	25.76
	6H	22.15	22.65	23.13	23.65	24.92	23.15	23.65	24.13	24.65	25.92
	8H	22.21	22.67	23.19	23.66	24.95	23.20	23.67	24.18	24.66	25.95
	12H	22.21	22.63	23.21	23.64	24.93	23.19	23.61	24.19	24.62	25.91
8H	4H	22.30	22.77	23.28	23.76	25.05	23.13	23.59	24.11	24.58	25.87
	6H	22.66	23.04	23.66	24.07	25.36	23.44	23.83	24.45	24.86	26.15
	8H	22.77	23.11	23.79	24.13	25.44	23.54	23.88	24.55	24.90	26.20
	12H	22.81	23.11	23.83	24.13	25.47	23.55	23.85	24.57	24.87	26.22
12H	4H	22.31	22.73	23.31	23.74	25.03	23.10	23.52	24.10	24.52	25.82
	6H	22.73	23.07	23.74	24.09	25.39	23.46	23.80	24.48	24.82	26.12
	8H	22.87	23.17	23.89	24.19	25.54	23.58	23.88	24.60	24.89	26.24