

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: P1435921

Luminaire Tested: SQ2W-FB-K-025U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435921
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-025U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

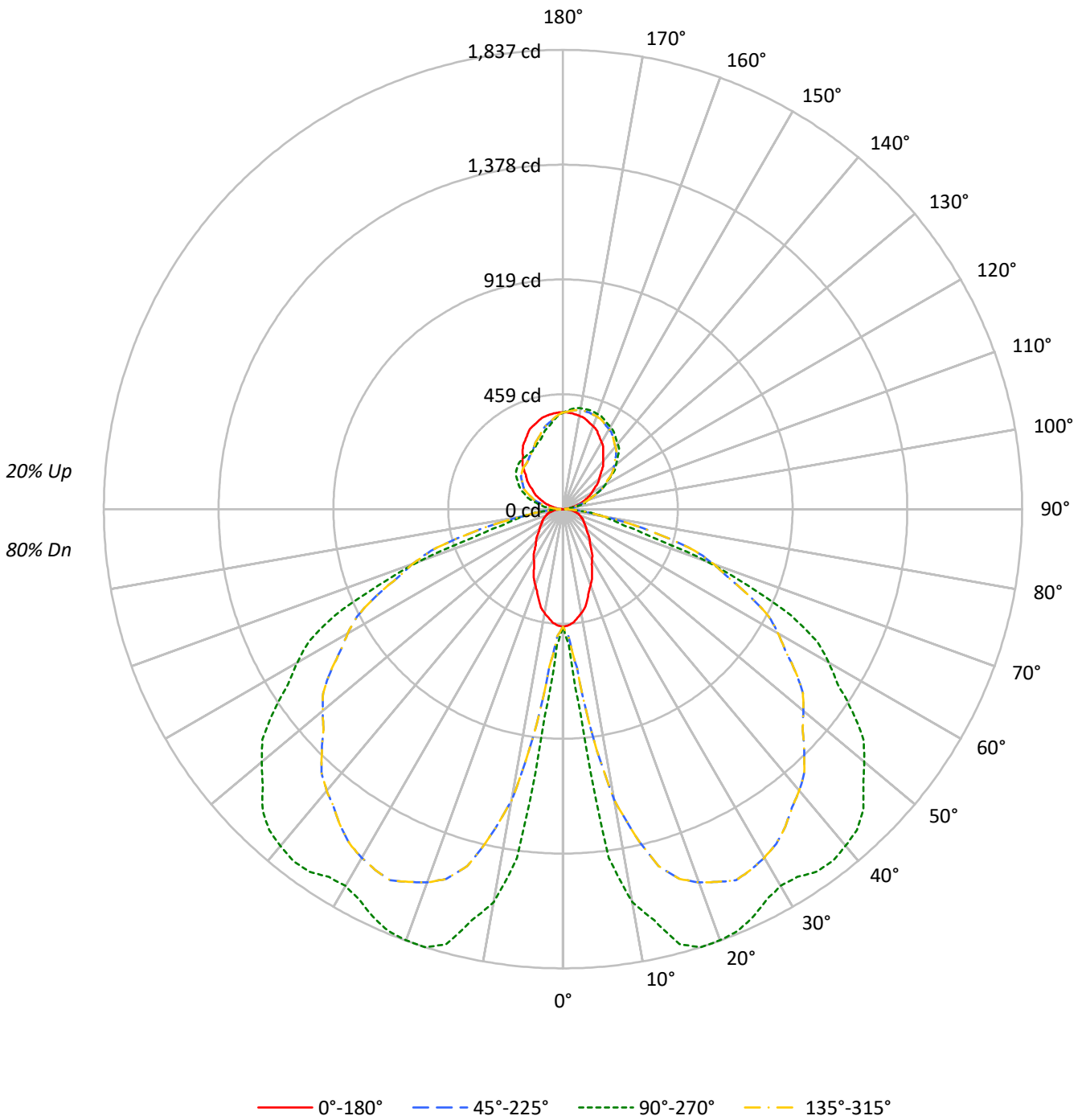
Lumens per Lamp: N/A
Luminaire Lumens: 5773.2 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.1
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



TEST NUMBER: P1435921

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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	114	114	114	114	109	109	109	109	100	100	100	92	92	92	84	84	84	80
1	104	100	95	92	100	96	92	88	88	85	82	81	78	76	74	72	71	67
2	95	86	80	74	90	83	77	72	76	71	67	70	66	63	64	61	58	55
3	86	75	67	61	82	72	65	59	67	61	56	61	56	52	56	52	49	46
4	78	66	58	51	74	64	56	49	59	52	47	54	48	44	50	45	41	39
5	71	59	50	43	68	56	48	42	52	45	40	48	42	38	44	39	35	33
6	66	52	43	37	62	50	42	36	47	40	34	43	37	32	40	35	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	28	36	31	27	25
8	56	43	34	28	53	41	33	28	38	31	26	35	29	25	33	28	24	22
9	52	39	31	25	50	37	30	25	35	28	23	32	26	22	30	25	21	19
10	49	36	28	22	46	34	27	22	32	25	21	30	24	20	28	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7592	7592	7592	7592
5°	7400	13446	7400	13446
10°	6930	26163	6930	26163
15°	6272	30112	6272	30112
20°	5553	31535	5553	31535
25°	4913	32054	4913	32054
30°	4340	32449	4340	32449
35°	3877	34885	3877	34885
40°	3526	37065	3526	37065
45°	3251	38812	3251	38812
50°	3067	39516	3067	39516
55°	2989	39831	2989	39831
60°	3064	39634	3064	39634
65°	3194	38513	3194	38513
70°	3309	29131	3309	29131
75°	3668	16076	3668	16076
80°	3784	14923	3784	14923
85°	3761	6280	3761	6280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 40191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.4
10°-20°	359.4	6.2
20°-30°	632.5	11.0
30°-40°	818.7	14.2
40°-50°	902.9	15.6
50°-60°	842.7	14.6
60°-70°	651.1	11.3
70°-80°	300.1	5.2
80°-90°	59.0	1.0
90°-100°	30.8	0.5
100°-110°	89.7	1.6
110°-120°	146.3	2.5
120°-130°	185.7	3.2
130°-140°	198.7	3.4
140°-150°	185.5	3.2
150°-160°	152.7	2.6
160°-170°	102.4	1.8
170°-180°	36.4	0.6
0°-30°	1070.6	18.5
0°-40°	1889.4	32.7
0°-60°	3635.0	63.0
0°-90°	4645.1	80.5
90°-120°	266.8	4.6
90°-150°	836.7	14.5
90°-180°	1128.0	19.5
0°-180°	5773.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	470	470	470	470	470	
5°	457	830	457	830	457	42
15°	375	1802	375	1802	375	105
25°	276	1799	276	1799	276	127
35°	197	1770	197	1770	197	124
45°	142	1700	142	1700	142	110
55°	106	1415	106	1415	106	96
65°	84	1008	84	1008	84	82
75°	59	258	59	258	59	60
85°	20	34	20	34	20	21
90°	1	9	1	17	1	2
95°	12	9	12	53	12	15
105°	57	91	57	126	57	61
115°	109	151	109	186	109	108
125°	162	240	162	229	162	145
135°	220	314	220	253	220	170
145°	281	362	281	259	281	176
155°	333	393	333	268	333	153
165°	368	410	368	309	368	104
175°	385	402	385	363	385	37
180°	386	386	386	386	386	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	466.5	475.4	484.2	493.7	503.3	513.8	525.0	534.7	539.5	544.3	539.5
5°	456.6	486.7	516.9	560.6	608.8	663.5	724.8	777.3	803.4	829.6	803.4
7.5°	439.0	500.2	561.5	691.4	844.1	1002.6	1167.0	1303.3	1355.5	1407.8	1355.5
10°	422.7	508.1	593.5	813.7	1079.0	1282.9	1425.5	1539.6	1567.7	1595.8	1567.7
12.5°	404.6	520.5	636.5	908.4	1232.3	1444.2	1544.3	1626.6	1655.5	1684.4	1655.5
15°	375.2	541.0	706.7	1014.2	1368.8	1586.8	1668.2	1737.2	1769.4	1801.5	1769.4
17.5°	344.9	565.5	786.2	1099.7	1444.3	1656.9	1737.5	1802.3	1819.7	1837.2	1819.7
20°	323.2	582.4	841.6	1155.8	1488.3	1689.3	1758.6	1813.3	1824.4	1835.4	1824.4
22.5°	303.3	593.1	882.8	1197.4	1520.3	1707.9	1760.4	1802.7	1814.5	1826.4	1814.5
25°	275.8	602.3	928.8	1242.5	1551.9	1723.2	1756.3	1783.2	1791.2	1799.3	1791.2
27.5°	249.1	594.1	939.1	1248.8	1546.7	1706.6	1728.3	1746.5	1754.3	1762.2	1754.3
30°	232.8	583.4	934.0	1240.9	1533.3	1687.5	1703.6	1718.4	1729.4	1740.5	1729.4
32.5°	218.4	570.6	922.8	1225.9	1512.6	1663.6	1678.9	1696.3	1720.2	1744.1	1720.2
35°	196.7	543.2	889.8	1189.7	1474.0	1628.2	1652.3	1681.5	1725.7	1769.9	1725.7
37.5°	178.1	508.2	838.3	1135.2	1420.9	1588.9	1639.4	1687.8	1730.4	1773.0	1730.4
40°	167.3	483.7	800.2	1094.8	1382.1	1559.4	1626.7	1686.2	1722.4	1758.6	1722.4
42.5°	156.4	456.0	755.6	1047.8	1337.5	1521.6	1600.2	1668.2	1704.3	1740.5	1704.3
45°	142.4	411.6	680.9	970.5	1266.8	1461.2	1553.6	1631.5	1665.6	1699.8	1665.6
47.5°	129.3	363.2	597.0	887.9	1197.7	1401.6	1499.7	1579.4	1604.4	1629.3	1604.4
50°	122.1	331.0	540.0	831.8	1151.3	1359.2	1455.7	1533.0	1553.1	1573.2	1553.1
52.5°	114.8	299.7	484.5	777.0	1105.3	1314.8	1405.6	1478.4	1496.9	1515.4	1496.9
55°	106.2	256.9	407.6	696.9	1032.5	1239.9	1319.3	1382.8	1398.9	1415.0	1398.9
57.5°	98.6	220.1	341.7	621.9	955.0	1155.5	1223.2	1277.2	1290.3	1303.3	1290.3
60°	94.9	200.4	305.9	574.9	898.4	1090.8	1152.0	1201.3	1214.3	1227.4	1214.3
62.5°	89.5	181.3	273.2	527.9	836.9	1019.6	1076.1	1121.5	1133.8	1146.0	1133.8
65°	83.6	158.0	232.3	461.9	743.2	907.4	954.6	992.1	1000.1	1008.1	1000.1
67.5°	75.5	138.6	201.7	401.4	646.8	784.1	813.4	831.7	816.6	801.5	816.6
70°	70.1	128.3	186.6	364.7	582.7	696.7	706.7	703.5	660.3	617.1	660.3
72.5°	66.5	118.3	170.1	324.3	512.6	595.6	573.5	536.5	454.7	373.0	454.7
75°	58.8	101.0	143.2	259.2	399.8	421.9	325.5	253.7	255.7	257.7	255.7
77.5°	47.9	79.5	111.0	182.3	266.9	283.7	232.7	194.8	196.7	198.5	196.7
80°	40.7	65.8	90.9	119.0	148.2	161.7	159.7	158.5	159.5	160.5	159.5
82.5°	33.5	52.1	70.8	87.7	104.0	113.1	115.1	116.3	114.9	113.5	114.9
85°	20.3	31.4	42.4	49.0	54.0	52.5	44.5	37.9	35.9	33.9	35.9
87.5°	7.5	11.8	16.2	15.1	12.1	10.6	10.6	10.7	10.8	10.8	10.8
90°	1.2	2.7	4.7	6.2	7.4	7.8	7.8	8.2	8.6	8.6	8.6
92.5°	4.3	6.8	6.9	6.9	8.4	9.1	9.7	9.8	10.1	10.1	10.1
95°	12.1	13.3	19.9	19.5	13.3	10.5	9.0	9.0	9.0	9.0	9.0
97.5°	23.1	24.8	25.9	34.7	36.7	35.4	28.9	24.3	21.7	20.5	21.7
100°	32.8	33.6	35.9	36.3	46.1	55.4	50.7	44.9	42.9	41.8	42.9
102.5°	42.5	42.9	46.5	48.2	50.4	55.7	72.0	70.2	68.8	68.6	68.8
105°	57.0	57.4	64.0	67.1	68.7	68.7	68.3	76.1	88.6	91.3	88.6
107.5°	72.5	74.3	82.1	90.5	92.3	92.7	90.7	89.5	89.1	89.4	89.1
110°	83.1	85.9	95.2	105.8	108.5	109.3	108.5	107.3	106.5	106.5	106.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	93.4	97.4	108.0	120.1	124.7	127.1	125.4	124.5	123.7	124.3	123.7
115°	109.3	115.1	129.2	141.7	151.0	152.2	151.8	151.8	151.4	151.4	151.4
117.5°	123.9	133.3	149.1	163.6	174.4	177.6	179.1	178.7	178.2	179.0	178.2
120°	134.3	145.2	163.1	179.5	190.1	194.7	196.3	195.5	196.3	195.5	196.3
122.5°	145.2	158.6	176.2	193.3	205.7	211.0	212.9	213.0	213.2	212.7	213.2
125°	161.6	178.0	198.6	216.2	229.1	235.3	236.9	237.3	238.1	240.0	238.1
127.5°	178.1	196.7	219.4	236.3	249.5	257.1	259.5	260.4	262.0	262.9	262.0
130°	189.7	210.7	233.8	249.8	262.7	270.8	275.1	276.3	278.3	277.9	278.3
132.5°	201.8	223.9	247.2	263.8	275.8	284.6	288.3	291.6	292.3	292.9	292.3
135°	219.7	243.5	266.9	283.3	294.7	303.2	307.9	311.0	313.0	314.2	313.0
137.5°	238.5	263.7	286.1	300.7	312.1	319.6	324.9	328.1	330.2	331.1	330.2
140°	251.3	275.5	297.4	312.6	322.8	330.2	334.8	338.8	341.1	341.1	341.1
142.5°	263.5	287.4	308.6	323.8	332.7	339.5	344.5	347.5	350.1	350.1	350.1
145°	280.6	304.4	323.9	339.1	346.6	352.8	358.3	360.6	362.2	362.2	362.2
147.5°	298.5	319.6	337.3	351.9	358.2	365.5	369.8	371.7	373.6	372.8	373.6
150°	309.1	328.6	345.8	359.4	365.7	372.7	377.0	378.6	380.5	379.3	380.5
152.5°	319.4	338.0	353.6	366.3	371.6	378.6	383.6	385.1	386.4	385.6	386.4
155°	333.3	349.7	364.1	375.8	380.5	387.1	391.8	393.8	395.3	393.4	395.3
157.5°	345.7	359.8	372.4	383.2	388.2	393.9	398.2	400.6	402.2	401.4	402.2
160°	353.2	366.1	377.4	387.5	392.2	397.3	402.0	404.7	406.3	405.1	406.3
162.5°	359.4	371.1	381.8	391.0	395.0	399.5	405.1	407.5	409.1	407.6	409.1
165°	368.4	377.8	387.1	395.0	398.5	402.0	407.8	410.6	411.7	410.2	411.7
167.5°	375.2	382.4	390.0	396.7	399.2	402.7	408.5	410.8	412.3	410.3	412.3
170°	379.0	385.2	391.8	397.3	399.2	402.4	408.2	410.2	411.3	409.4	411.3
172.5°	382.1	386.8	392.1	397.0	398.0	400.5	406.0	408.0	408.8	407.2	408.8
175°	385.2	387.9	391.8	395.0	394.6	396.1	400.8	402.4	403.9	401.6	403.9
177.5°	386.7	387.9	389.2	391.0	389.8	389.8	393.2	394.2	394.5	393.2	394.5
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	534.7	525.0	513.8	503.3	493.7	484.2	475.4	466.5	475.4	484.2	493.7
5°	777.3	724.8	663.5	608.8	560.6	516.9	486.7	456.6	486.7	516.9	560.6
7.5°	1303.3	1167.0	1002.6	844.1	691.4	561.5	500.2	439.0	500.2	561.5	691.4
10°	1539.6	1425.5	1282.9	1079.0	813.7	593.5	508.1	422.7	508.1	593.5	813.7
12.5°	1626.6	1544.3	1444.2	1232.3	908.4	636.5	520.5	404.6	520.5	636.5	908.4
15°	1737.2	1668.2	1586.8	1368.8	1014.2	706.7	541.0	375.2	541.0	706.7	1014.2
17.5°	1802.3	1737.5	1656.9	1444.3	1099.7	786.2	565.5	344.9	565.5	786.2	1099.7
20°	1813.3	1758.6	1689.3	1488.3	1155.8	841.6	582.4	323.2	582.4	841.6	1155.8
22.5°	1802.7	1760.4	1707.9	1520.3	1197.4	882.8	593.1	303.3	593.1	882.8	1197.4
25°	1783.2	1756.3	1723.2	1551.9	1242.5	928.8	602.3	275.8	602.3	928.8	1242.5
27.5°	1746.5	1728.3	1706.6	1546.7	1248.8	939.1	594.1	249.1	594.1	939.1	1248.8
30°	1718.4	1703.6	1687.5	1533.3	1240.9	934.0	583.4	232.8	583.4	934.0	1240.9
32.5°	1696.3	1678.9	1663.6	1512.6	1225.9	922.8	570.6	218.4	570.6	922.8	1225.9
35°	1681.5	1652.3	1628.2	1474.0	1189.7	889.8	543.2	196.7	543.2	889.8	1189.7
37.5°	1687.8	1639.4	1588.9	1420.9	1135.2	838.3	508.2	178.1	508.2	838.3	1135.2
40°	1686.2	1626.7	1559.4	1382.1	1094.8	800.2	483.7	167.3	483.7	800.2	1094.8
42.5°	1668.2	1600.2	1521.6	1337.5	1047.8	755.6	456.0	156.4	456.0	755.6	1047.8
45°	1631.5	1553.6	1461.2	1266.8	970.5	680.9	411.6	142.4	411.6	680.9	970.5
47.5°	1579.4	1499.7	1401.6	1197.7	887.9	597.0	363.2	129.3	363.2	597.0	887.9
50°	1533.0	1455.7	1359.2	1151.3	831.8	540.0	331.0	122.1	331.0	540.0	831.8
52.5°	1478.4	1405.6	1314.8	1105.3	777.0	484.5	299.7	114.8	299.7	484.5	777.0
55°	1382.8	1319.3	1239.9	1032.5	696.9	407.6	256.9	106.2	256.9	407.6	696.9
57.5°	1277.2	1223.2	1155.5	955.0	621.9	341.7	220.1	98.6	220.1	341.7	621.9
60°	1201.3	1152.0	1090.8	898.4	574.9	305.9	200.4	94.9	200.4	305.9	574.9
62.5°	1121.5	1076.1	1019.6	836.9	527.9	273.2	181.3	89.5	181.3	273.2	527.9
65°	992.1	954.6	907.4	743.2	461.9	232.3	158.0	83.6	158.0	232.3	461.9
67.5°	831.7	813.4	784.1	646.8	401.4	201.7	138.6	75.5	138.6	201.7	401.4
70°	703.5	706.7	696.7	582.7	364.7	186.6	128.3	70.1	128.3	186.6	364.7
72.5°	536.5	573.5	595.6	512.6	324.3	170.1	118.3	66.5	118.3	170.1	324.3
75°	253.7	325.5	421.9	399.8	259.2	143.2	101.0	58.8	101.0	143.2	259.2
77.5°	194.8	232.7	283.7	266.9	182.3	111.0	79.5	47.9	79.5	111.0	182.3
80°	158.5	159.7	161.7	148.2	119.0	90.9	65.8	40.7	65.8	90.9	119.0
82.5°	116.3	115.1	113.1	104.0	87.7	70.8	52.1	33.5	52.1	70.8	87.7
85°	37.9	44.5	52.5	54.0	49.0	42.4	31.4	20.3	31.4	42.4	49.0
87.5°	10.7	10.6	10.6	12.1	15.1	16.2	11.8	7.5	11.8	16.1	15.3
90°	8.2	7.8	7.8	7.4	6.2	4.7	2.7	1.2	2.7	4.3	7.0
92.5°	9.8	9.7	9.1	8.4	6.9	6.9	6.8	4.3	7.4	10.5	15.1
95°	9.0	9.0	10.5	13.3	19.5	19.9	13.3	12.1	17.2	24.2	30.4
97.5°	24.3	28.9	35.4	36.7	34.7	25.9	24.8	23.1	31.5	38.4	48.5
100°	44.9	50.7	55.4	46.1	36.3	35.9	33.6	32.8	41.8	48.4	58.1
102.5°	70.2	72.0	55.7	50.4	48.2	46.5	42.9	42.5	51.4	60.6	68.8
105°	76.1	68.3	68.7	68.7	67.1	64.0	57.4	57.0	67.1	77.7	87.8
107.5°	89.5	90.7	92.7	92.3	90.5	82.1	74.3	72.5	81.6	94.3	105.5
110°	107.3	108.5	109.3	108.5	105.8	95.2	85.9	83.1	91.3	104.6	116.7



TEST NUMBER: P1435921

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	124.5	125.4	127.1	124.7	120.1	108.0	97.4	93.4	101.6	115.2	127.6
115°	151.8	151.8	152.2	151.0	141.7	129.2	115.1	109.3	116.3	128.8	142.4
117.5°	178.7	179.1	177.6	174.4	163.6	149.1	133.3	123.9	129.5	142.7	156.7
120°	195.5	196.3	194.7	190.1	179.5	163.1	145.2	134.3	138.5	151.4	165.5
122.5°	213.0	212.9	211.0	205.7	193.3	176.2	158.6	145.2	147.0	158.9	172.7
125°	237.3	236.9	235.3	229.1	216.2	198.6	178.0	161.6	159.2	169.4	183.4
127.5°	260.4	259.5	257.1	249.5	236.3	219.4	196.7	178.1	172.9	179.3	192.2
130°	276.3	275.1	270.8	262.7	249.8	233.8	210.7	189.7	182.3	186.2	197.5
132.5°	291.6	288.3	284.6	275.8	263.8	247.2	223.9	201.8	191.6	193.3	202.2
135°	311.0	307.9	303.2	294.7	283.3	266.9	243.5	219.7	205.7	204.1	209.2
137.5°	328.1	324.9	319.6	312.1	300.7	286.1	263.7	238.5	220.8	215.6	217.5
140°	338.8	334.8	330.2	322.8	312.6	297.4	275.5	251.3	231.4	224.0	222.8
142.5°	347.5	344.5	339.5	332.7	323.8	308.6	287.4	263.5	242.4	232.8	230.0
145°	360.6	358.3	352.8	346.6	339.1	323.9	304.4	280.6	259.5	247.0	241.2
147.5°	371.7	369.8	365.5	358.2	351.9	337.3	319.6	298.5	276.9	261.4	253.8
150°	378.6	377.0	372.7	365.7	359.4	345.8	328.6	309.1	288.4	272.0	262.3
152.5°	385.1	383.6	378.6	371.6	366.3	353.6	338.0	319.4	298.4	282.0	271.9
155°	393.8	391.8	387.1	380.5	375.8	364.1	349.7	333.3	315.3	298.2	286.8
157.5°	400.6	398.2	393.9	388.2	383.2	372.4	359.8	345.7	330.0	313.6	302.1
160°	404.7	402.0	397.3	392.2	387.5	377.4	366.1	353.2	338.8	323.9	311.4
162.5°	407.5	405.1	399.5	395.0	391.0	381.8	371.1	359.4	346.6	333.6	322.0
165°	410.6	407.8	402.0	398.5	395.0	387.1	377.8	368.4	357.5	346.9	337.6
167.5°	410.8	408.5	402.7	399.2	396.7	390.0	382.4	375.2	366.7	358.4	350.6
170°	410.2	408.2	402.4	399.2	397.3	391.8	385.2	379.0	372.3	365.3	359.0
172.5°	408.0	406.0	400.5	398.0	397.0	392.1	386.8	382.1	376.4	371.2	366.2
175°	402.4	400.8	396.1	394.6	395.0	391.8	387.9	385.2	381.7	378.6	375.8
177.5°	394.2	393.2	389.8	389.8	391.0	389.2	387.9	386.7	385.1	384.2	383.2
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



TEST NUMBER: P1435921

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	503.3	513.8	525.0	534.7	539.5	544.3	539.5	534.7	525.0	513.8	503.3
5°	608.8	663.5	724.8	777.3	803.4	829.6	803.4	777.3	724.8	663.5	608.8
7.5°	844.1	1002.6	1167.0	1303.3	1355.5	1407.8	1355.5	1303.3	1167.0	1002.6	844.1
10°	1079.0	1282.9	1425.5	1539.6	1567.7	1595.8	1567.7	1539.6	1425.5	1282.9	1079.0
12.5°	1232.3	1444.2	1544.3	1626.6	1655.5	1684.4	1655.5	1626.6	1544.3	1444.2	1232.3
15°	1368.8	1586.8	1668.2	1737.2	1769.4	1801.5	1769.4	1737.2	1668.2	1586.8	1368.8
17.5°	1444.3	1656.9	1737.5	1802.3	1819.7	1837.2	1819.7	1802.3	1737.5	1656.9	1444.3
20°	1488.3	1689.3	1758.6	1813.3	1824.4	1835.4	1824.4	1813.3	1758.6	1689.3	1488.3
22.5°	1520.3	1707.9	1760.4	1802.7	1814.5	1826.4	1814.5	1802.7	1760.4	1707.9	1520.3
25°	1551.9	1723.2	1756.3	1783.2	1791.2	1799.3	1791.2	1783.2	1756.3	1723.2	1551.9
27.5°	1546.7	1706.6	1728.3	1746.5	1754.3	1762.2	1754.3	1746.5	1728.3	1706.6	1546.7
30°	1533.3	1687.5	1703.6	1718.4	1729.4	1740.5	1729.4	1718.4	1703.6	1687.5	1533.3
32.5°	1512.6	1663.6	1678.9	1696.3	1720.2	1744.1	1720.2	1696.3	1678.9	1663.6	1512.6
35°	1474.0	1628.2	1652.3	1681.5	1725.7	1769.9	1725.7	1681.5	1652.3	1628.2	1474.0
37.5°	1420.9	1588.9	1639.4	1687.8	1730.4	1773.0	1730.4	1687.8	1639.4	1588.9	1420.9
40°	1382.1	1559.4	1626.7	1686.2	1722.4	1758.6	1722.4	1686.2	1626.7	1559.4	1382.1
42.5°	1337.5	1521.6	1600.2	1668.2	1704.3	1740.5	1704.3	1668.2	1600.2	1521.6	1337.5
45°	1266.8	1461.2	1553.6	1631.5	1665.6	1699.8	1665.6	1631.5	1553.6	1461.2	1266.8
47.5°	1197.7	1401.6	1499.7	1579.4	1604.4	1629.3	1604.4	1579.4	1499.7	1401.6	1197.7
50°	1151.3	1359.2	1455.7	1533.0	1553.1	1573.2	1553.1	1533.0	1455.7	1359.2	1151.3
52.5°	1105.3	1314.8	1405.6	1478.4	1496.9	1515.4	1496.9	1478.4	1405.6	1314.8	1105.3
55°	1032.5	1239.9	1319.3	1382.8	1398.9	1415.0	1398.9	1382.8	1319.3	1239.9	1032.5
57.5°	955.0	1155.5	1223.2	1277.2	1290.3	1303.3	1290.3	1277.2	1223.2	1155.5	955.0
60°	898.4	1090.8	1152.0	1201.3	1214.3	1227.4	1214.3	1201.3	1152.0	1090.8	898.4
62.5°	836.9	1019.6	1076.1	1121.5	1133.8	1146.0	1133.8	1121.5	1076.1	1019.6	836.9
65°	743.2	907.4	954.6	992.1	1000.1	1008.1	1000.1	992.1	954.6	907.4	743.2
67.5°	646.8	784.1	813.4	831.7	816.6	801.5	816.6	831.7	813.4	784.1	646.8
70°	582.7	696.7	706.7	703.5	660.3	617.1	660.3	703.5	706.7	696.7	582.7
72.5°	512.6	595.6	573.5	536.5	454.7	373.0	454.7	536.5	573.5	595.6	512.6
75°	399.8	421.9	325.5	253.7	255.7	257.7	255.7	253.7	325.5	421.9	399.8
77.5°	266.9	283.7	232.7	194.8	196.7	198.5	196.7	194.8	232.7	283.7	266.9
80°	148.2	161.7	159.7	158.5	159.5	160.5	159.5	158.5	159.7	161.7	148.2
82.5°	104.0	113.1	115.1	116.3	114.9	113.5	114.9	116.3	115.1	113.1	104.0
85°	54.0	52.5	44.5	37.9	35.9	33.9	35.9	37.9	44.5	52.5	54.0
87.5°	12.4	11.4	11.9	12.2	12.6	12.4	12.6	12.2	11.9	11.4	12.4
90°	9.0	11.7	14.4	16.0	17.6	16.8	17.6	16.0	14.4	11.7	9.0
92.5°	18.0	22.6	26.0	28.8	30.1	29.9	30.1	28.8	26.0	22.6	18.0
95°	36.3	41.8	47.2	51.1	53.5	52.7	53.5	51.1	47.2	41.8	36.3
97.5°	56.0	63.3	69.4	73.1	75.4	77.0	75.4	73.1	69.4	63.3	56.0
100°	69.1	76.1	83.1	87.4	91.3	92.9	91.3	87.4	83.1	76.1	69.1
102.5°	79.7	88.9	96.6	101.2	104.4	106.0	104.4	101.2	96.6	88.9	79.7
105°	97.2	106.9	115.1	121.0	124.5	125.7	124.5	121.0	115.1	106.9	97.2
107.5°	114.7	124.7	132.3	138.8	143.1	145.6	143.1	138.8	132.3	124.7	114.7
110°	128.4	136.6	144.8	150.6	154.9	156.5	154.9	150.6	144.8	136.6	128.4



TEST NUMBER: P1435921

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	140.0	149.1	157.3	163.1	168.0	170.2	168.0	163.1	157.3	149.1	140.0
115°	156.1	168.2	175.6	181.1	184.6	186.5	184.6	181.1	175.6	168.2	156.1
117.5°	169.5	182.2	190.3	194.5	196.1	197.6	196.1	194.5	190.3	182.2	169.5
120°	178.0	189.7	199.0	204.5	206.5	207.2	206.5	204.5	199.0	189.7	178.0
122.5°	185.8	196.9	205.9	212.6	215.8	216.6	215.8	212.6	205.9	196.9	185.8
125°	196.7	207.2	216.6	223.2	226.7	228.7	226.7	223.2	216.6	207.2	196.7
127.5°	206.2	217.6	226.2	232.2	235.6	237.2	235.6	232.2	226.2	217.6	206.2
130°	211.5	223.2	231.8	238.5	241.6	243.1	241.6	238.5	231.8	223.2	211.5
132.5°	215.6	227.9	236.8	242.8	246.3	247.8	246.3	242.8	236.8	227.9	215.6
135°	220.5	233.4	242.7	248.6	251.7	253.3	251.7	248.6	242.7	233.4	220.5
137.5°	224.8	236.5	246.3	252.4	255.2	256.2	255.2	252.4	246.3	236.5	224.8
140°	227.9	238.1	247.8	253.7	256.8	257.2	256.8	253.7	247.8	238.1	227.9
142.5°	232.0	239.9	248.4	254.3	257.4	258.1	257.4	254.3	248.4	239.9	232.0
145°	239.2	243.9	249.8	255.2	258.0	258.7	258.0	255.2	249.8	243.9	239.2
147.5°	248.4	249.8	252.9	256.5	259.1	259.7	259.1	256.5	252.9	249.8	248.4
150°	255.2	254.8	256.0	258.4	260.7	260.3	260.7	258.4	256.0	254.8	255.2
152.5°	263.0	260.8	260.7	261.8	262.9	262.8	262.9	261.8	260.7	260.8	263.0
155°	276.3	272.0	269.7	268.9	268.9	268.5	268.9	268.9	269.7	272.0	276.3
157.5°	290.9	284.9	281.4	279.5	279.0	278.1	279.0	279.5	281.4	284.9	290.9
160°	300.9	294.3	290.7	287.6	286.5	285.3	286.5	287.6	290.7	294.3	300.9
162.5°	310.3	303.9	300.1	297.3	296.1	294.3	296.1	297.3	300.1	303.9	310.3
165°	325.5	318.8	314.6	312.2	310.7	309.1	310.7	312.2	314.6	318.8	325.5
167.5°	340.7	333.4	330.6	328.0	326.5	323.7	326.5	328.0	330.6	333.4	340.7
170°	350.1	343.4	341.9	339.5	336.8	333.7	336.8	339.5	341.9	343.4	350.1
172.5°	358.2	353.7	352.2	349.8	349.0	346.5	349.0	349.8	352.2	353.7	358.2
175°	370.0	366.5	366.5	366.1	364.9	362.6	364.9	366.1	366.5	366.5	370.0
177.5°	379.8	377.9	379.2	379.2	378.9	376.7	378.9	379.2	379.2	377.9	379.8
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



TEST NUMBER: P1435921

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	470.2	470.2	470.2	470.2
2.5°	493.7	484.2	475.4	466.5
5°	560.6	516.9	486.7	456.6
7.5°	691.4	561.5	500.2	439.0
10°	813.7	593.5	508.1	422.7
12.5°	908.4	636.5	520.5	404.6
15°	1014.2	706.7	541.0	375.2
17.5°	1099.7	786.2	565.5	344.9
20°	1155.8	841.6	582.4	323.2
22.5°	1197.4	882.8	593.1	303.3
25°	1242.5	928.8	602.3	275.8
27.5°	1248.8	939.1	594.1	249.1
30°	1240.9	934.0	583.4	232.8
32.5°	1225.9	922.8	570.6	218.4
35°	1189.7	889.8	543.2	196.7
37.5°	1135.2	838.3	508.2	178.1
40°	1094.8	800.2	483.7	167.3
42.5°	1047.8	755.6	456.0	156.4
45°	970.5	680.9	411.6	142.4
47.5°	887.9	597.0	363.2	129.3
50°	831.8	540.0	331.0	122.1
52.5°	777.0	484.5	299.7	114.8
55°	696.9	407.6	256.9	106.2
57.5°	621.9	341.7	220.1	98.6
60°	574.9	305.9	200.4	94.9
62.5°	527.9	273.2	181.3	89.5
65°	461.9	232.3	158.0	83.6
67.5°	401.4	201.7	138.6	75.5
70°	364.7	186.6	128.3	70.1
72.5°	324.3	170.1	118.3	66.5
75°	259.2	143.2	101.0	58.8
77.5°	182.3	111.0	79.5	47.9
80°	119.0	90.9	65.8	40.7
82.5°	87.7	70.8	52.1	33.5
85°	49.0	42.4	31.4	20.3
87.5°	15.3	16.1	11.8	7.5
90°	7.0	4.3	2.7	1.2
92.5°	15.1	10.5	7.4	4.3
95°	30.4	24.2	17.2	12.1
97.5°	48.5	38.4	31.5	23.1
100°	58.1	48.4	41.8	32.8
102.5°	68.8	60.6	51.4	42.5
105°	87.8	77.7	67.1	57.0
107.5°	105.5	94.3	81.6	72.5
110°	116.7	104.6	91.3	83.1



TEST NUMBER: P1435921

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	127.6	115.2	101.6	93.4
115°	142.4	128.8	116.3	109.3
117.5°	156.7	142.7	129.5	123.9
120°	165.5	151.4	138.5	134.3
122.5°	172.7	158.9	147.0	145.2
125°	183.4	169.4	159.2	161.6
127.5°	192.2	179.3	172.9	178.1
130°	197.5	186.2	182.3	189.7
132.5°	202.2	193.3	191.6	201.8
135°	209.2	204.1	205.7	219.7
137.5°	217.5	215.6	220.8	238.5
140°	222.8	224.0	231.4	251.3
142.5°	230.0	232.8	242.4	263.5
145°	241.2	247.0	259.5	280.6
147.5°	253.8	261.4	276.9	298.5
150°	262.3	272.0	288.4	309.1
152.5°	271.9	282.0	298.4	319.4
155°	286.8	298.2	315.3	333.3
157.5°	302.1	313.6	330.0	345.7
160°	311.4	323.9	338.8	353.2
162.5°	322.0	333.6	346.6	359.4
165°	337.6	346.9	357.5	368.4
167.5°	350.6	358.4	366.7	375.2
170°	359.0	365.3	372.3	379.0
172.5°	366.2	371.2	376.4	382.1
175°	375.8	378.6	381.7	385.2
177.5°	383.2	384.2	385.1	386.7
180°	386.4	386.4	386.4	386.4



TEST NUMBER: P1435921
 CATALOG NUMBER: SQ2W-FB-K-025U-100D-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	15.63	16.91	16.27	17.56	18.32	25.23	26.50	25.87	27.16	27.91
	3H	16.60	17.75	17.25	18.42	19.21	26.87	28.01	27.52	28.68	29.47
	4H	17.02	18.10	17.69	18.78	19.58	27.06	28.14	27.73	28.82	29.63
	6H	17.30	18.30	17.98	18.98	19.80	27.16	28.16	27.84	28.85	29.67
	8H	17.40	18.36	18.10	19.06	19.89	27.19	28.14	27.89	28.85	29.67
	12H	17.46	18.38	18.17	19.08	19.93	27.18	28.09	27.88	28.80	29.65
4H	2H	20.40	21.49	21.08	22.16	22.97	25.64	26.73	26.32	27.41	28.21
	3H	21.57	22.47	22.26	23.19	24.01	27.57	28.48	28.26	29.19	30.01
	4H	21.87	22.69	22.58	23.41	24.26	27.81	28.63	28.52	29.35	30.20
	6H	22.03	22.74	22.75	23.49	24.35	27.97	28.68	28.69	29.42	30.28
	8H	22.08	22.75	22.81	23.49	24.36	28.02	28.69	28.75	29.43	30.30
	12H	22.10	22.70	22.85	23.47	24.35	28.03	28.62	28.78	29.39	30.27
8H	4H	23.10	23.76	23.83	24.50	25.38	27.94	28.60	28.67	29.34	30.22
	6H	23.38	23.93	24.14	24.71	25.59	28.15	28.70	28.91	29.49	30.36
	8H	23.48	23.97	24.25	24.75	25.65	28.25	28.74	29.02	29.52	30.42
	12H	23.54	23.97	24.32	24.75	25.70	28.28	28.71	29.05	29.48	30.43
12H	4H	23.14	23.74	23.89	24.51	25.39	27.91	28.51	28.66	29.27	30.15
	6H	23.49	23.98	24.26	24.76	25.65	28.14	28.63	28.92	29.42	30.31
	8H	23.65	24.08	24.42	24.85	25.80	28.26	28.69	29.04	29.47	30.42