

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: P1435984

Luminaire Tested: SQ2W-FB-K-100U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435984
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-100U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

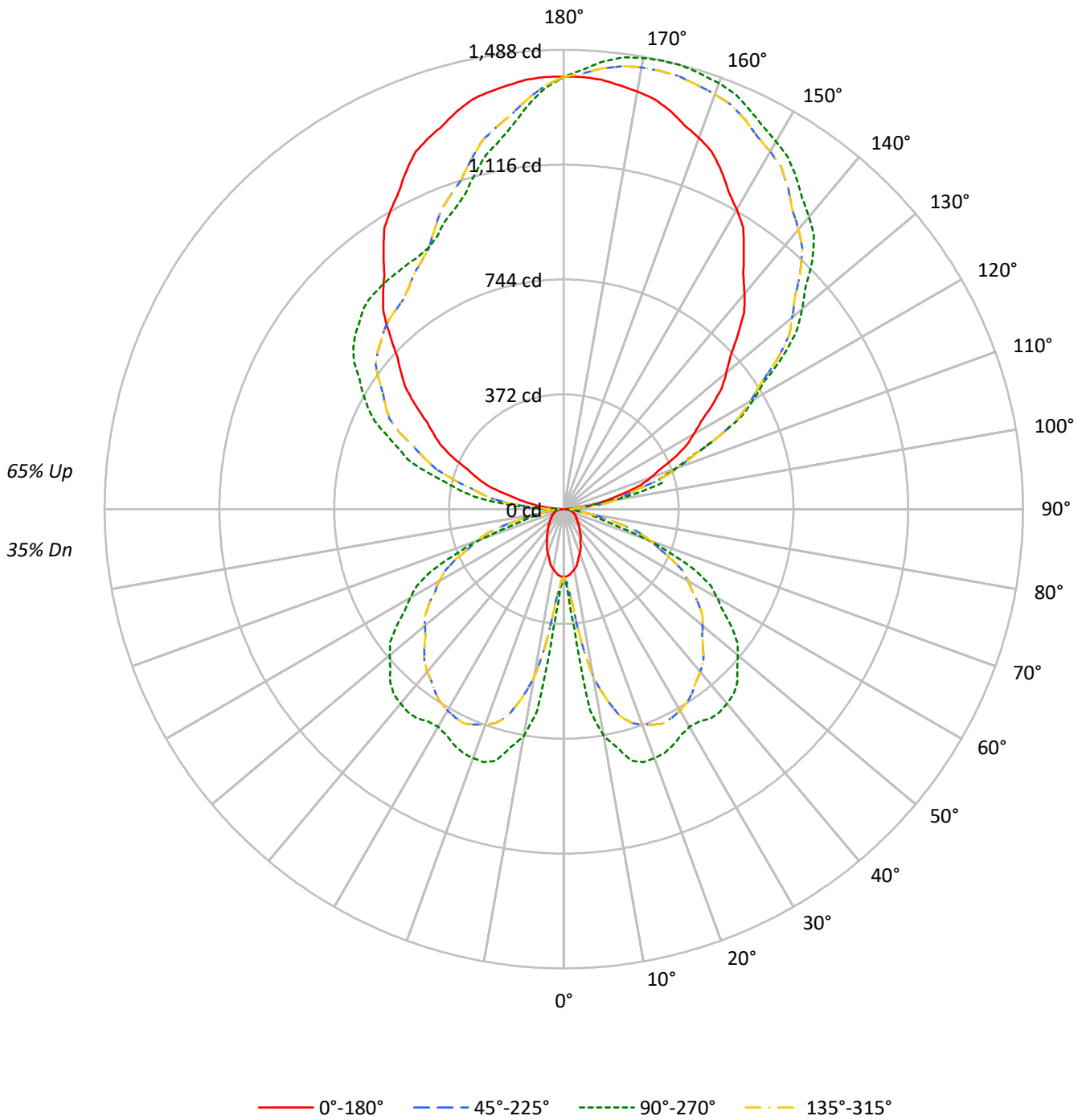
Lumens per Lamp: N/A
Luminaire Lumens: 6268.5 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	94	90	86	83	85	81	78	75	65	63	61	51	49	48	37	36	35	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	39	32	31	29	24
3	78	68	61	55	70	62	56	51	50	45	42	39	36	33	28	26	24	20
4	71	60	52	46	64	55	48	43	44	39	35	34	31	28	25	23	21	17
5	65	53	45	39	58	48	41	36	39	34	30	30	27	24	22	20	18	14
6	59	47	39	34	53	43	36	31	35	30	26	27	23	20	20	17	15	12
7	55	43	35	29	49	39	32	27	31	26	22	24	21	18	18	15	13	11
8	51	38	31	25	46	35	28	23	28	23	20	22	18	16	16	14	12	9
9	47	35	27	22	42	32	25	21	26	21	17	20	17	14	15	12	11	8
10	44	32	25	20	39	29	23	18	24	19	15	19	15	12	14	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3552	3552	3552	3552
5°	3463	6292	3463	6292
10°	3243	12244	3243	12244
15°	2935	14091	2935	14091
20°	2600	14757	2600	14757
25°	2298	15000	2298	15000
30°	2032	15185	2032	15185
35°	1813	16324	1813	16324
40°	1650	17344	1650	17344
45°	1521	18162	1521	18162
50°	1434	18492	1434	18492
55°	1399	18640	1399	18640
60°	1434	18548	1434	18548
65°	1494	18024	1494	18024
70°	1548	13633	1548	13633
75°	1715	7523	1715	7523
80°	1767	6983	1767	6983
85°	1760	2945	1760	2945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 18807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	0.6
10°-20°	168.2	2.7
20°-30°	296.0	4.7
30°-40°	383.1	6.1
40°-50°	422.5	6.7
50°-60°	394.3	6.3
60°-70°	304.7	4.9
70°-80°	140.4	2.2
80°-90°	32.6	0.5
90°-100°	111.5	1.8
100°-110°	325.1	5.2
110°-120°	530.5	8.5
120°-130°	673.2	10.7
130°-140°	720.3	11.5
140°-150°	672.6	10.7
150°-160°	553.5	8.8
160°-170°	371.2	5.9
170°-180°	131.8	2.1
0°-30°	501.0	8.0
0°-40°	884.1	14.1
0°-60°	1701.0	27.1
0°-90°	2178.8	34.8
90°-120°	967.1	15.4
90°-150°	3033.2	48.4
90°-180°	4090.0	65.2
0°-180°	6268.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	220	220	220	220	220	
5°	214	388	214	388	214	20
15°	176	843	176	843	176	49
25°	129	842	129	842	129	59
35°	92	828	92	828	92	58
45°	67	795	67	795	67	52
55°	50	662	50	662	50	45
65°	39	472	39	472	39	38
75°	28	121	28	121	28	28
85°	10	16	10	16	10	10
90°	4	31	4	61	4	4
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	218.3	222.5	226.6	231.0	235.5	240.4	245.7	250.2	252.5	254.7	252.5
5°	213.7	227.8	241.9	262.3	284.9	310.5	339.2	363.8	376.0	388.2	376.0
7.5°	205.4	234.1	262.8	323.5	395.0	469.2	546.1	609.9	634.3	658.8	634.3
10°	197.8	237.8	277.7	380.8	504.9	600.3	667.1	720.5	733.6	746.8	733.6
12.5°	189.3	243.6	297.8	425.1	576.7	675.8	722.7	761.2	774.7	788.3	774.7
15°	175.6	253.2	330.7	474.6	640.5	742.6	780.6	813.0	828.0	843.0	828.0
17.5°	161.4	264.7	367.9	514.6	675.9	775.4	813.1	843.4	851.6	859.8	851.6
20°	151.3	272.6	393.8	540.9	696.5	790.5	822.9	848.6	853.7	858.9	853.7
22.5°	142.0	277.5	413.1	560.3	711.4	799.3	823.8	843.6	849.1	854.7	849.1
25°	129.0	281.8	434.6	581.4	726.2	806.4	821.9	834.5	838.2	842.0	838.2
27.5°	116.6	278.0	439.4	584.4	723.8	798.6	808.8	817.3	821.0	824.6	821.0
30°	109.0	273.0	437.1	580.7	717.5	789.7	797.2	804.1	809.3	814.5	809.3
32.5°	102.2	267.0	431.8	573.7	707.8	778.5	785.6	793.8	805.0	816.2	805.0
35°	92.0	254.2	416.4	556.7	689.8	762.0	773.2	786.9	807.6	828.2	807.6
37.5°	83.4	237.8	392.3	531.2	664.9	743.6	767.2	789.9	809.8	829.7	809.8
40°	78.3	226.4	374.5	512.3	646.8	729.7	761.2	789.1	806.0	822.9	806.0
42.5°	73.2	213.4	353.6	490.3	625.9	712.1	748.8	780.6	797.6	814.5	797.6
45°	66.6	192.6	318.6	454.1	592.8	683.8	727.0	763.5	779.5	795.4	779.5
47.5°	60.5	169.9	279.4	415.5	560.5	655.9	701.8	739.1	750.8	762.4	750.8
50°	57.1	154.9	252.7	389.3	538.8	636.1	681.2	717.4	726.8	736.2	726.8
52.5°	53.7	140.2	226.7	363.6	517.2	615.3	657.8	691.8	700.5	709.1	700.5
55°	49.7	120.2	190.8	326.1	483.2	580.2	617.4	647.1	654.6	662.2	654.6
57.5°	46.1	103.0	159.9	291.0	446.9	540.7	572.4	597.7	603.8	609.9	603.8
60°	44.4	93.8	143.2	269.0	420.4	510.4	539.1	562.1	568.3	574.4	568.3
62.5°	41.9	84.9	127.8	247.0	391.6	477.2	503.6	524.8	530.6	536.3	530.6
65°	39.1	73.9	108.7	216.1	347.8	424.6	446.7	464.2	468.0	471.8	468.0
67.5°	35.3	64.9	94.4	187.9	302.7	366.9	380.7	389.2	382.1	375.1	382.1
70°	32.8	60.1	87.3	170.7	272.7	326.0	330.7	329.2	309.0	288.8	309.0
72.5°	31.1	55.4	79.6	151.8	239.9	278.7	268.4	251.1	212.8	174.5	212.8
75°	27.5	47.2	67.0	121.3	187.1	197.5	152.3	118.7	119.6	120.6	119.6
77.5°	22.4	37.2	51.9	85.3	124.9	132.8	108.9	91.2	92.0	92.9	92.0
80°	19.0	30.8	42.5	55.7	69.3	75.7	74.7	74.2	74.6	75.1	74.6
82.5°	15.7	24.4	33.1	41.0	48.7	52.9	53.9	54.4	53.8	53.1	53.8
85°	9.5	14.7	19.9	22.9	25.3	24.6	20.8	17.7	16.8	15.9	16.8
87.5°	4.2	7.2	10.5	11.0	10.4	9.9	9.9	10.2	10.5	10.5	10.5
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	250.2	245.7	240.4	235.5	231.0	226.6	222.5	218.3	222.5	226.6	231.0
5°	363.8	339.2	310.5	284.9	262.3	241.9	227.8	213.7	227.8	241.9	262.3
7.5°	609.9	546.1	469.2	395.0	323.5	262.8	234.1	205.4	234.1	262.8	323.5
10°	720.5	667.1	600.3	504.9	380.8	277.7	237.8	197.8	237.8	277.7	380.8
12.5°	761.2	722.7	675.8	576.7	425.1	297.8	243.6	189.3	243.6	297.8	425.1
15°	813.0	780.6	742.6	640.5	474.6	330.7	253.2	175.6	253.2	330.7	474.6
17.5°	843.4	813.1	775.4	675.9	514.6	367.9	264.7	161.4	264.7	367.9	514.6
20°	848.6	822.9	790.5	696.5	540.9	393.8	272.6	151.3	272.6	393.8	540.9
22.5°	843.6	823.8	799.3	711.4	560.3	413.1	277.5	142.0	277.5	413.1	560.3
25°	834.5	821.9	806.4	726.2	581.4	434.6	281.8	129.0	281.8	434.6	581.4
27.5°	817.3	808.8	798.6	723.8	584.4	439.4	278.0	116.6	278.0	439.4	584.4
30°	804.1	797.2	789.7	717.5	580.7	437.1	273.0	109.0	273.0	437.1	580.7
32.5°	793.8	785.6	778.5	707.8	573.7	431.8	267.0	102.2	267.0	431.8	573.7
35°	786.9	773.2	762.0	689.8	556.7	416.4	254.2	92.0	254.2	416.4	556.7
37.5°	789.9	767.2	743.6	664.9	531.2	392.3	237.8	83.4	237.8	392.3	531.2
40°	789.1	761.2	729.7	646.8	512.3	374.5	226.4	78.3	226.4	374.5	512.3
42.5°	780.6	748.8	712.1	625.9	490.3	353.6	213.4	73.2	213.4	353.6	490.3
45°	763.5	727.0	683.8	592.8	454.1	318.6	192.6	66.6	192.6	318.6	454.1
47.5°	739.1	701.8	655.9	560.5	415.5	279.4	169.9	60.5	169.9	279.4	415.5
50°	717.4	681.2	636.1	538.8	389.3	252.7	154.9	57.1	154.9	252.7	389.3
52.5°	691.8	657.8	615.3	517.2	363.6	226.7	140.2	53.7	140.2	226.7	363.6
55°	647.1	617.4	580.2	483.2	326.1	190.8	120.2	49.7	120.2	190.8	326.1
57.5°	597.7	572.4	540.7	446.9	291.0	159.9	103.0	46.1	103.0	159.9	291.0
60°	562.1	539.1	510.4	420.4	269.0	143.2	93.8	44.4	93.8	143.2	269.0
62.5°	524.8	503.6	477.2	391.6	247.0	127.8	84.9	41.9	84.9	127.8	247.0
65°	464.2	446.7	424.6	347.8	216.1	108.7	73.9	39.1	73.9	108.7	216.1
67.5°	389.2	380.7	366.9	302.7	187.9	94.4	64.9	35.3	64.9	94.4	187.9
70°	329.2	330.7	326.0	272.7	170.7	87.3	60.1	32.8	60.1	87.3	170.7
72.5°	251.1	268.4	278.7	239.9	151.8	79.6	55.4	31.1	55.4	79.6	151.8
75°	118.7	152.3	197.5	187.1	121.3	67.0	47.2	27.5	47.2	67.0	121.3
77.5°	91.2	108.9	132.8	124.9	85.3	51.9	37.2	22.4	37.2	51.9	85.3
80°	74.2	74.7	75.7	69.3	55.7	42.5	30.8	19.0	30.8	42.5	55.7
82.5°	54.4	53.9	52.9	48.7	41.0	33.1	24.4	15.7	24.4	33.1	41.0
85°	17.7	20.8	24.6	25.3	22.9	19.9	14.7	9.5	14.7	19.9	22.9
87.5°	10.2	9.9	9.9	10.4	11.0	10.5	7.2	4.2	7.2	10.3	11.6
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1435984

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1435984

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	235.5	240.4	245.7	250.2	252.5	254.7	252.5	250.2	245.7	240.4	235.5
5°	284.9	310.5	339.2	363.8	376.0	388.2	376.0	363.8	339.2	310.5	284.9
7.5°	395.0	469.2	546.1	609.9	634.3	658.8	634.3	609.9	546.1	469.2	395.0
10°	504.9	600.3	667.1	720.5	733.6	746.8	733.6	720.5	667.1	600.3	504.9
12.5°	576.7	675.8	722.7	761.2	774.7	788.3	774.7	761.2	722.7	675.8	576.7
15°	640.5	742.6	780.6	813.0	828.0	843.0	828.0	813.0	780.6	742.6	640.5
17.5°	675.9	775.4	813.1	843.4	851.6	859.8	851.6	843.4	813.1	775.4	675.9
20°	696.5	790.5	822.9	848.6	853.7	858.9	853.7	848.6	822.9	790.5	696.5
22.5°	711.4	799.3	823.8	843.6	849.1	854.7	849.1	843.6	823.8	799.3	711.4
25°	726.2	806.4	821.9	834.5	838.2	842.0	838.2	834.5	821.9	806.4	726.2
27.5°	723.8	798.6	808.8	817.3	821.0	824.6	821.0	817.3	808.8	798.6	723.8
30°	717.5	789.7	797.2	804.1	809.3	814.5	809.3	804.1	797.2	789.7	717.5
32.5°	707.8	778.5	785.6	793.8	805.0	816.2	805.0	793.8	785.6	778.5	707.8
35°	689.8	762.0	773.2	786.9	807.6	828.2	807.6	786.9	773.2	762.0	689.8
37.5°	664.9	743.6	767.2	789.9	809.8	829.7	809.8	789.9	767.2	743.6	664.9
40°	646.8	729.7	761.2	789.1	806.0	822.9	806.0	789.1	761.2	729.7	646.8
42.5°	625.9	712.1	748.8	780.6	797.6	814.5	797.6	780.6	748.8	712.1	625.9
45°	592.8	683.8	727.0	763.5	779.5	795.4	779.5	763.5	727.0	683.8	592.8
47.5°	560.5	655.9	701.8	739.1	750.8	762.4	750.8	739.1	701.8	655.9	560.5
50°	538.8	636.1	681.2	717.4	726.8	736.2	726.8	717.4	681.2	636.1	538.8
52.5°	517.2	615.3	657.8	691.8	700.5	709.1	700.5	691.8	657.8	615.3	517.2
55°	483.2	580.2	617.4	647.1	654.6	662.2	654.6	647.1	617.4	580.2	483.2
57.5°	446.9	540.7	572.4	597.7	603.8	609.9	603.8	597.7	572.4	540.7	446.9
60°	420.4	510.4	539.1	562.1	568.3	574.4	568.3	562.1	539.1	510.4	420.4
62.5°	391.6	477.2	503.6	524.8	530.6	536.3	530.6	524.8	503.6	477.2	391.6
65°	347.8	424.6	446.7	464.2	468.0	471.8	468.0	464.2	446.7	424.6	347.8
67.5°	302.7	366.9	380.7	389.2	382.1	375.1	382.1	389.2	380.7	366.9	302.7
70°	272.7	326.0	330.7	329.2	309.0	288.8	309.0	329.2	330.7	326.0	272.7
72.5°	239.9	278.7	268.4	251.1	212.8	174.5	212.8	251.1	268.4	278.7	239.9
75°	187.1	197.5	152.3	118.7	119.6	120.6	119.6	118.7	152.3	197.5	187.1
77.5°	124.9	132.8	108.9	91.2	92.0	92.9	92.0	91.2	108.9	132.8	124.9
80°	69.3	75.7	74.7	74.2	74.6	75.1	74.6	74.2	74.7	75.7	69.3
82.5°	48.7	52.9	53.9	54.4	53.8	53.1	53.8	54.4	53.9	52.9	48.7
85°	25.3	24.6	20.8	17.7	16.8	15.9	16.8	17.7	20.8	24.6	25.3
87.5°	11.5	12.7	14.7	15.8	17.0	16.4	17.0	15.8	14.7	12.7	11.5
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1435984

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1435984

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	220.0	220.0	220.0	220.0
2.5°	231.0	226.6	222.5	218.3
5°	262.3	241.9	227.8	213.7
7.5°	323.5	262.8	234.1	205.4
10°	380.8	277.7	237.8	197.8
12.5°	425.1	297.8	243.6	189.3
15°	474.6	330.7	253.2	175.6
17.5°	514.6	367.9	264.7	161.4
20°	540.9	393.8	272.6	151.3
22.5°	560.3	413.1	277.5	142.0
25°	581.4	434.6	281.8	129.0
27.5°	584.4	439.4	278.0	116.6
30°	580.7	437.1	273.0	109.0
32.5°	573.7	431.8	267.0	102.2
35°	556.7	416.4	254.2	92.0
37.5°	531.2	392.3	237.8	83.4
40°	512.3	374.5	226.4	78.3
42.5°	490.3	353.6	213.4	73.2
45°	454.1	318.6	192.6	66.6
47.5°	415.5	279.4	169.9	60.5
50°	389.3	252.7	154.9	57.1
52.5°	363.6	226.7	140.2	53.7
55°	326.1	190.8	120.2	49.7
57.5°	291.0	159.9	103.0	46.1
60°	269.0	143.2	93.8	44.4
62.5°	247.0	127.8	84.9	41.9
65°	216.1	108.7	73.9	39.1
67.5°	187.9	94.4	64.9	35.3
70°	170.7	87.3	60.1	32.8
72.5°	151.8	79.6	55.4	31.1
75°	121.3	67.0	47.2	27.5
77.5°	85.3	51.9	37.2	22.4
80°	55.7	42.5	30.8	19.0
82.5°	41.0	33.1	24.4	15.7
85°	22.9	19.9	14.7	9.5
87.5°	11.6	10.3	7.2	4.2
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1435984

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1435984
 CATALOG NUMBER: SQ2W-FB-K-100U-050D-L940-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	8.99	9.74	10.06	10.82	12.29	18.58	19.34	19.65	20.41	21.89
	3H	9.92	10.59	11.00	11.68	13.17	20.18	20.86	21.26	21.94	23.43
	4H	10.31	10.95	11.40	12.04	13.53	20.35	20.99	21.44	22.08	23.58
	6H	10.56	11.15	11.66	12.24	13.75	20.42	21.01	21.52	22.10	23.61
	8H	10.65	11.21	11.75	12.32	13.82	20.43	21.00	21.54	22.10	23.61
	12H	10.69	11.23	11.80	12.33	13.85	20.41	20.94	21.52	22.04	23.57
4H	2H	13.69	14.33	14.79	15.42	16.92	18.93	19.58	20.03	20.66	22.16
	3H	14.81	15.35	15.92	16.46	17.97	20.81	21.35	21.92	22.46	23.97
	4H	15.09	15.58	16.20	16.68	18.21	21.03	21.52	22.14	22.62	24.15
	6H	15.21	15.64	16.34	16.76	18.29	21.15	21.57	22.27	22.70	24.22
	8H	15.25	15.65	16.37	16.76	18.30	21.19	21.59	22.31	22.71	24.25
	12H	15.25	15.61	16.39	16.74	18.28	21.17	21.53	22.31	22.66	24.20
8H	4H	16.27	16.66	17.39	17.78	19.32	21.11	21.50	22.23	22.62	24.16
	6H	16.52	16.85	17.66	18.01	19.54	21.30	21.63	22.44	22.79	24.32
	8H	16.62	16.90	17.77	18.04	19.60	21.39	21.67	22.54	22.82	24.37
	12H	16.66	16.91	17.81	18.04	19.63	21.39	21.64	22.54	22.78	24.37
12H	4H	16.29	16.65	17.43	17.78	19.32	21.06	21.41	22.19	22.54	24.09
	6H	16.63	16.91	17.78	18.05	19.61	21.28	21.57	22.43	22.71	24.26
	8H	16.76	17.01	17.91	18.15	19.74	21.38	21.63	22.53	22.76	24.36