

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: P1435816

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435816
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-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC 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

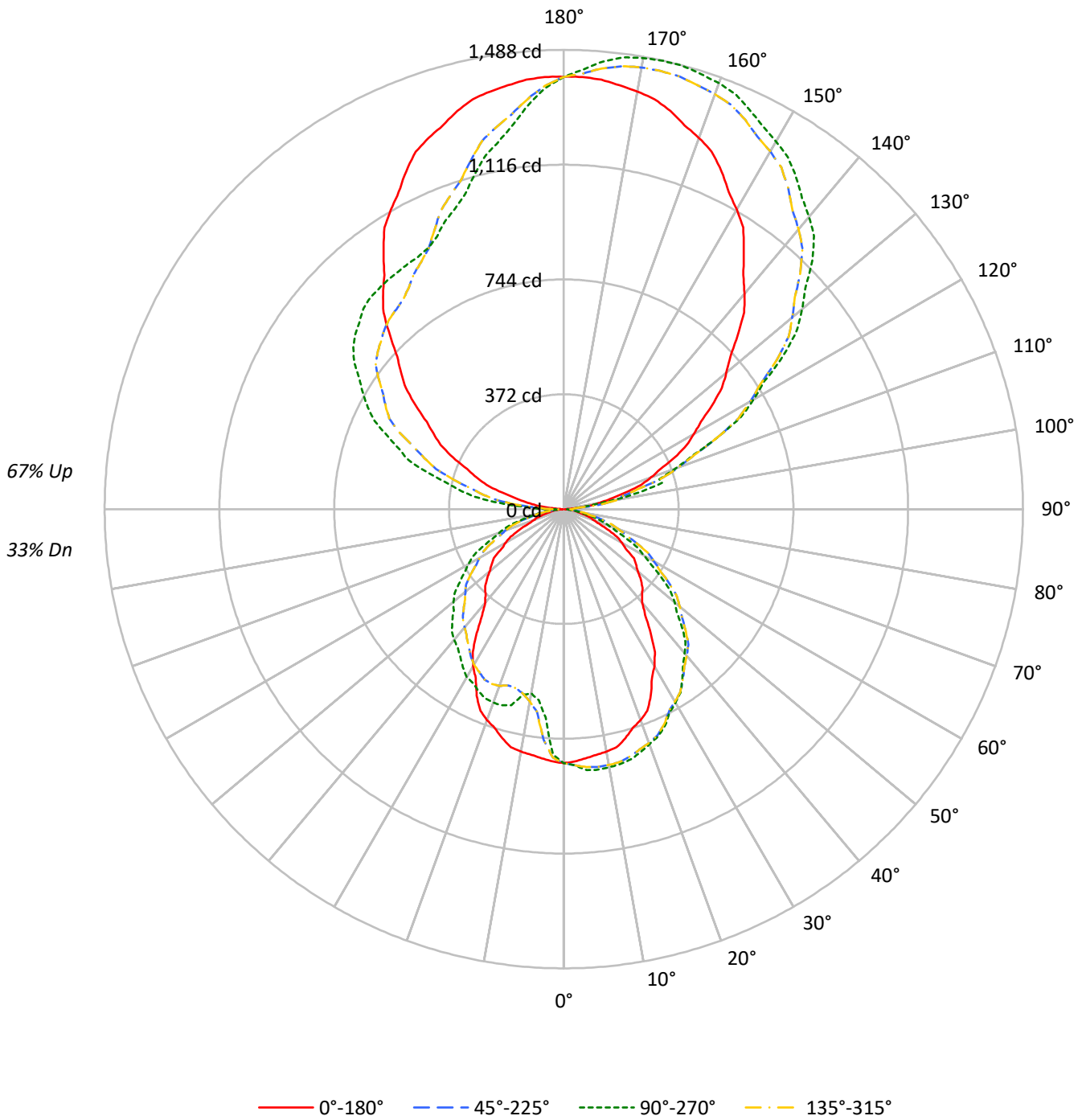
Lumens per Lamp: N/A
Luminaire Lumens: 6140.3 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35	28
2	86	79	73	68	77	71	66	62	57	53	50	44	42	40	32	30	29	24
3	78	69	62	56	70	62	56	52	50	46	42	39	36	33	28	26	25	20
4	71	61	53	47	64	55	49	44	44	40	36	35	31	29	25	23	21	17
5	65	54	46	40	59	49	42	37	40	35	31	31	27	25	23	20	19	15
6	60	48	41	35	54	44	37	32	36	31	27	28	24	22	21	18	16	13
7	56	44	36	30	50	40	33	28	32	27	24	25	22	19	19	16	14	12
8	51	39	32	27	46	36	29	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	15	12	11	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13294	13294	13294	13294
5°	13138	13758	13138	10966
10°	13081	13917	13081	9942
15°	12856	14029	12856	10989
20°	12501	13928	12501	11460
25°	11882	13815	11882	11597
30°	10947	13507	10947	11721
35°	9688	13210	9688	11511
40°	8340	12848	8340	11636
45°	8234	12387	8234	11659
50°	7857	11783	7857	11702
55°	7817	10871	7817	11589
60°	7007	9687	7007	11541
65°	5975	8535	5975	11217
70°	4820	7232	4820	10395
75°	4180	5970	4180	9557
80°	3561	4454	3561	7717
85°	2371	2371	2371	4724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 12777 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.2
10°-20°	207.0	3.4
20°-30°	314.4	5.1
30°-40°	369.1	6.0
40°-50°	374.6	6.1
50°-60°	328.1	5.3
60°-70°	232.7	3.8
70°-80°	119.8	2.0
80°-90°	30.9	0.5
90°-100°	111.5	1.8
100°-110°	325.1	5.3
110°-120°	530.5	8.6
120°-130°	673.2	11.0
130°-140°	720.3	11.7
140°-150°	672.6	11.0
150°-160°	553.5	9.0
160°-170°	371.2	6.0
170°-180°	131.8	2.1
0°-30°	595.5	9.7
0°-40°	964.6	15.7
0°-60°	1667.2	27.2
0°-90°	2050.6	33.4
90°-120°	967.1	15.7
90°-150°	3033.2	49.4
90°-180°	4090.0	66.6
0°-180°	6140.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	823	823	823	823	823	
5°	811	849	811	677	811	77
15°	769	839	769	657	769	216
25°	667	776	667	651	667	304
35°	492	670	492	584	492	306
45°	361	542	361	511	361	276
55°	278	386	278	412	278	240
65°	156	223	156	294	156	156
75°	67	96	67	153	67	72
85°	13	13	13	26	13	16
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°	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4
2.5°	818.3	824.0	829.6	831.0	831.0	831.0	831.0	831.0	831.0	831.0	831.0
5°	810.6	820.5	830.5	835.1	837.9	840.1	841.5	843.2	846.1	848.9	846.1
7.5°	803.0	816.3	829.6	836.1	840.4	843.8	846.4	848.6	850.1	851.5	850.1
10°	797.9	813.5	829.1	836.1	840.4	843.2	844.7	846.1	847.5	848.9	847.5
12.5°	790.2	806.9	823.7	831.9	837.3	840.7	842.1	843.5	844.9	846.4	844.9
15°	769.1	791.8	814.5	823.4	827.6	831.2	834.0	836.5	837.9	839.3	837.9
17.5°	743.0	770.5	798.0	809.1	814.8	818.9	821.5	823.7	824.8	825.9	824.8
20°	727.6	757.4	787.2	798.9	804.6	808.1	809.6	810.6	810.6	810.6	810.6
22.5°	707.2	740.4	773.6	786.2	791.8	794.8	795.1	795.6	796.7	797.9	796.7
25°	667.0	705.3	743.6	759.6	768.1	771.6	770.2	769.8	772.7	775.5	772.7
27.5°	617.9	666.1	714.3	730.6	736.3	739.8	741.3	742.3	742.3	742.3	742.3
30°	587.2	641.1	695.0	712.7	718.4	722.0	723.4	724.5	724.5	724.5	724.5
32.5°	548.9	613.0	677.1	696.6	701.1	703.5	703.8	704.0	704.0	704.0	704.0
35°	491.5	569.5	647.5	669.1	672.0	673.4	673.4	673.0	671.6	670.2	671.6
37.5°	434.0	522.5	611.0	636.4	640.6	641.8	639.8	637.9	636.5	635.1	636.5
40°	395.7	492.2	588.6	615.9	620.2	620.2	615.9	612.4	611.0	609.6	611.0
42.5°	375.3	470.6	565.9	593.0	597.2	596.7	591.3	586.9	585.4	584.0	585.4
45°	360.6	445.7	530.8	555.3	559.6	558.9	553.2	548.2	545.4	542.5	545.4
47.5°	338.3	413.2	488.1	512.1	519.2	518.5	510.0	502.9	500.1	497.2	500.1
50°	312.8	386.5	460.3	484.0	491.1	490.4	481.9	474.8	472.0	469.1	472.0
52.5°	294.9	364.1	433.3	455.1	461.1	459.2	449.6	441.6	438.8	435.9	438.8
55°	277.7	335.8	394.0	411.7	415.9	413.1	403.2	394.7	390.4	386.2	390.4
57.5°	237.4	292.8	348.1	365.3	369.8	366.4	355.1	345.4	340.6	335.7	340.6
60°	217.0	266.7	316.3	333.0	338.6	335.8	324.5	314.2	307.1	300.0	307.1
62.5°	194.0	238.0	282.0	298.9	306.9	305.2	293.8	283.5	276.4	269.4	276.4
65°	156.4	194.7	233.0	250.0	259.9	259.2	247.9	237.6	230.5	223.4	230.5
67.5°	122.6	155.5	188.4	205.1	216.4	215.9	203.4	192.6	186.9	181.3	186.9
70°	102.1	130.5	158.9	174.5	185.8	185.8	174.5	164.5	158.9	153.2	158.9
72.5°	89.4	110.9	132.5	147.2	159.7	159.7	147.2	136.7	132.2	127.7	132.2
75°	67.0	79.8	92.6	106.4	120.6	122.0	110.6	101.4	98.6	95.7	98.6
77.5°	48.5	54.5	60.4	71.3	83.8	85.2	75.5	68.0	66.9	65.7	66.9
80°	38.3	39.7	41.1	50.0	61.3	62.8	54.3	47.9	47.9	47.9	47.9
82.5°	25.5	26.9	28.4	34.7	42.6	43.5	37.2	32.3	31.1	30.0	31.1
85°	12.8	12.8	12.8	14.9	17.7	17.7	14.9	12.8	12.8	12.8	12.8
87.5°	3.4	4.5	5.9	7.9	9.9	10.2	9.1	8.5	8.8	8.8	8.8
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°	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4
2.5°	831.0	831.0	831.0	831.0	831.0	829.6	824.0	818.3	818.3	818.3	814.0
5°	843.2	841.5	840.1	837.9	835.1	830.5	820.5	810.6	806.4	802.1	784.0
7.5°	848.6	846.4	843.8	840.4	836.1	829.6	816.3	803.0	784.0	764.9	724.7
10°	846.1	844.7	843.2	840.4	836.1	829.1	813.5	797.9	759.6	721.3	683.0
12.5°	843.5	842.1	840.7	837.3	831.9	823.7	806.9	790.2	736.0	681.8	647.2
15°	836.5	834.0	831.2	827.6	823.4	814.5	791.8	769.1	708.1	647.1	618.1
17.5°	823.7	821.5	818.9	814.8	809.1	798.0	770.5	743.0	679.1	615.3	596.6
20°	810.6	809.6	808.1	804.6	798.9	787.2	757.4	727.6	663.8	600.0	591.5
22.5°	795.6	795.1	794.8	791.8	786.2	773.6	740.4	707.2	644.5	581.8	582.1
25°	769.8	770.2	771.6	768.1	759.6	743.6	705.3	667.0	611.7	556.4	565.9
27.5°	742.3	741.3	739.8	736.3	730.6	714.3	666.1	617.9	574.2	530.5	546.4
30°	724.5	723.4	722.0	718.4	712.7	695.0	641.1	587.2	550.3	513.5	531.9
32.5°	704.0	703.8	703.5	701.1	696.6	677.1	613.0	548.9	522.3	495.6	514.9
35°	673.0	673.4	673.4	672.0	669.1	647.5	569.5	491.5	480.1	468.8	491.5
37.5°	637.9	639.8	641.8	640.6	636.4	611.0	522.5	434.0	437.7	441.4	468.9
40°	612.4	615.9	620.2	620.2	615.9	588.6	492.2	395.7	408.5	421.3	451.1
42.5°	586.9	591.3	596.7	597.2	593.0	565.9	470.6	375.3	389.2	403.1	434.0
45°	548.2	553.2	558.9	559.6	555.3	530.8	445.7	360.6	369.1	377.7	407.4
47.5°	502.9	510.0	518.5	519.2	512.1	488.1	413.2	338.3	344.5	350.8	381.3
50°	474.8	481.9	490.4	491.1	484.0	460.3	386.5	312.8	321.3	329.8	361.7
52.5°	441.6	449.6	459.2	461.1	455.1	433.3	364.1	294.9	300.0	305.1	339.6
55°	394.7	403.2	413.1	415.9	411.7	394.0	335.8	277.7	273.4	269.1	304.2
57.5°	345.4	355.1	366.4	369.8	365.3	348.1	292.8	237.4	233.8	230.1	268.1
60°	314.2	324.5	335.8	338.6	333.0	316.3	266.7	217.0	209.9	202.8	242.5
62.5°	283.5	293.8	305.2	306.9	298.9	282.0	238.0	194.0	189.2	184.4	223.0
65°	237.6	247.9	259.2	259.9	250.0	233.0	194.7	156.4	159.2	162.1	196.8
67.5°	192.6	203.4	215.9	216.4	205.1	188.4	155.5	122.6	131.9	141.3	172.5
70°	164.5	174.5	185.8	185.8	174.5	158.9	130.5	102.1	114.9	127.7	156.4
72.5°	136.7	147.2	159.7	159.7	147.2	132.5	110.9	89.4	102.1	114.9	138.5
75°	101.4	110.6	122.0	120.6	106.4	92.6	79.8	67.0	79.8	92.6	110.6
77.5°	68.0	75.5	85.2	83.8	71.3	60.4	54.5	48.5	59.0	69.5	82.1
80°	47.9	54.3	62.8	61.3	50.0	41.1	39.7	38.3	45.4	52.5	61.7
82.5°	32.3	37.2	43.5	42.6	34.7	28.4	26.9	25.5	31.5	37.4	43.8
85°	12.8	14.9	17.7	17.7	14.9	12.8	12.8	12.8	15.6	18.4	21.3
87.5°	8.5	9.1	10.2	9.9	7.9	5.9	4.5	3.4	5.7	7.9	10.2
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: P1435816

CATALOG NUMBER: SQ2W-FA-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: P1435816

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4
2.5°	808.3	803.8	800.4	797.6	796.4	795.3	796.4	797.6	800.4	803.8	808.3
5°	761.3	737.2	711.7	690.8	683.7	676.6	683.7	690.8	711.7	737.2	761.3
7.5°	677.3	648.2	637.4	628.8	626.5	624.2	626.5	628.8	637.4	648.2	677.3
10°	644.7	621.3	612.8	606.4	606.4	606.4	606.4	606.4	612.8	621.3	644.7
12.5°	619.1	604.8	604.2	605.2	610.9	616.6	610.9	605.2	604.2	604.8	619.1
15°	599.6	601.8	624.5	643.2	650.3	657.4	650.3	643.2	624.5	601.8	599.6
17.5°	592.9	605.1	633.2	655.7	661.3	667.0	661.3	655.7	633.2	605.1	592.9
20°	601.4	617.0	638.3	655.7	661.3	667.0	661.3	655.7	638.3	617.0	601.4
22.5°	603.4	622.4	639.1	653.1	658.8	664.5	658.8	653.1	639.1	622.4	603.4
25°	597.1	619.8	634.0	645.4	648.2	651.0	648.2	645.4	634.0	619.8	597.1
27.5°	582.1	607.1	621.3	632.4	634.4	636.4	634.4	632.4	621.3	607.1	582.1
30°	568.8	594.3	608.5	620.2	624.5	628.7	624.5	620.2	608.5	594.3	568.8
32.5°	549.5	575.6	593.2	606.6	607.4	608.3	607.4	606.6	593.2	575.6	549.5
35°	525.5	552.5	572.3	586.9	585.4	584.0	585.4	586.9	572.3	552.5	525.5
37.5°	504.4	530.8	548.1	561.5	563.2	564.9	563.2	561.5	548.1	530.8	504.4
40°	486.5	513.5	531.9	546.4	549.3	552.1	549.3	546.4	531.9	513.5	486.5
42.5°	470.6	498.1	516.6	531.1	534.0	536.8	534.0	531.1	516.6	498.1	470.6
45°	444.3	472.7	492.5	507.8	509.2	510.6	509.2	507.8	492.5	472.7	444.3
47.5°	419.8	448.4	466.8	481.0	482.4	483.8	482.4	481.0	466.8	448.4	419.8
50°	401.4	430.5	448.9	463.1	464.5	465.9	464.5	463.1	448.9	430.5	401.4
52.5°	383.8	414.0	430.2	442.7	444.1	445.5	444.1	442.7	430.2	414.0	383.8
55°	352.5	384.4	400.0	411.7	411.7	411.7	411.7	411.7	400.0	384.4	352.5
57.5°	320.0	352.8	366.4	377.0	378.7	380.4	378.7	377.0	366.4	352.8	320.0
60°	297.9	331.2	342.5	351.8	354.6	357.4	354.6	351.8	342.5	331.2	297.9
62.5°	276.0	308.2	319.6	328.5	330.2	331.9	330.2	328.5	319.6	308.2	276.0
65°	242.2	270.6	281.9	290.8	292.2	293.6	292.2	290.8	281.9	270.6	242.2
67.5°	211.1	234.4	242.3	248.6	249.7	250.8	249.7	248.6	242.3	234.4	211.1
70°	190.4	210.3	216.0	220.2	220.2	220.2	220.2	220.2	216.0	210.3	190.4
72.5°	165.7	182.2	187.9	192.4	193.5	194.7	193.5	192.4	187.9	182.2	165.7
75°	130.5	142.5	146.8	150.4	151.8	153.2	151.8	150.4	146.8	142.5	130.5
77.5°	95.5	103.4	106.0	108.2	109.6	111.1	109.6	108.2	106.0	103.4	95.5
80°	71.6	77.3	78.7	80.1	81.6	83.0	81.6	80.1	78.7	77.3	71.6
82.5°	50.4	54.3	55.7	56.9	57.2	57.4	57.2	56.9	55.7	54.3	50.4
85°	24.1	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	24.1
87.5°	11.6	13.6	15.6	16.7	17.8	17.3	17.8	16.7	15.6	13.6	11.6
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: P1435816

CATALOG NUMBER: SQ2W-FA-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: P1435816

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	823.4	823.4	823.4	823.4
2.5°	814.0	818.3	818.3	818.3
5°	784.0	802.1	806.4	810.6
7.5°	724.7	764.9	784.0	803.0
10°	683.0	721.3	759.6	797.9
12.5°	647.2	681.8	736.0	790.2
15°	618.1	647.1	708.1	769.1
17.5°	596.6	615.3	679.1	743.0
20°	591.5	600.0	663.8	727.6
22.5°	582.1	581.8	644.5	707.2
25°	565.9	556.4	611.7	667.0
27.5°	546.4	530.5	574.2	617.9
30°	531.9	513.5	550.3	587.2
32.5°	514.9	495.6	522.3	548.9
35°	491.5	468.8	480.1	491.5
37.5°	468.9	441.4	437.7	434.0
40°	451.1	421.3	408.5	395.7
42.5°	434.0	403.1	389.2	375.3
45°	407.4	377.7	369.1	360.6
47.5°	381.3	350.8	344.5	338.3
50°	361.7	329.8	321.3	312.8
52.5°	339.6	305.1	300.0	294.9
55°	304.2	269.1	273.4	277.7
57.5°	268.1	230.1	233.8	237.4
60°	242.5	202.8	209.9	217.0
62.5°	223.0	184.4	189.2	194.0
65°	196.8	162.1	159.2	156.4
67.5°	172.5	141.3	131.9	122.6
70°	156.4	127.7	114.9	102.1
72.5°	138.5	114.9	102.1	89.4
75°	110.6	92.6	79.8	67.0
77.5°	82.1	69.5	59.0	48.5
80°	61.7	52.5	45.4	38.3
82.5°	43.8	37.4	31.5	25.5
85°	21.3	18.4	15.6	12.8
87.5°	10.2	7.9	5.7	3.4
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: P1435816

CATALOG NUMBER: SQ2W-FA-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: P1435816
 CATALOG NUMBER: SQ2W-FA-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	13.59	14.32	14.68	15.41	16.90	14.79	15.52	15.88	16.61	18.10
	3H	14.67	15.32	15.77	16.42	17.93	16.02	16.68	17.12	17.77	19.28
	4H	15.02	15.64	16.12	16.73	18.25	16.41	17.03	17.52	18.12	19.64
	6H	15.17	15.74	16.29	16.84	18.37	16.56	17.13	17.68	18.23	19.76
	8H	15.20	15.74	16.32	16.86	18.38	16.58	17.12	17.70	18.24	19.76
	12H	15.19	15.71	16.32	16.82	18.36	16.56	17.08	17.69	18.19	19.73
4H	2H	14.44	15.06	15.56	16.16	17.67	15.36	15.98	16.47	17.07	18.59
	3H	15.82	16.34	16.94	17.46	18.98	16.81	17.33	17.93	18.45	19.97
	4H	16.27	16.74	17.39	17.86	19.40	17.28	17.75	18.40	18.87	20.41
	6H	16.49	16.90	17.62	18.03	19.57	17.49	17.90	18.63	19.04	20.57
	8H	16.55	16.92	17.68	18.05	19.61	17.54	17.92	18.67	19.04	20.60
	12H	16.54	16.88	17.69	18.02	19.58	17.52	17.86	18.67	19.00	20.56
8H	4H	16.64	17.02	17.77	18.15	19.70	17.46	17.84	18.60	18.97	20.52
	6H	16.99	17.30	18.14	18.47	20.02	17.77	18.09	18.93	19.25	20.81
	8H	17.10	17.38	18.26	18.53	20.10	17.87	18.14	19.03	19.29	20.86
	12H	17.13	17.37	18.30	18.52	20.13	17.88	18.12	19.04	19.26	20.87
12H	4H	16.64	16.98	17.79	18.12	19.68	17.43	17.77	18.57	18.91	20.47
	6H	17.06	17.33	18.21	18.48	20.05	17.79	18.06	18.95	19.21	20.78
	8H	17.20	17.44	18.36	18.58	20.19	17.90	18.14	19.06	19.28	20.89