

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: P1427714

Luminaire Tested: SQ2W-F-K-050U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427714
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-050U-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

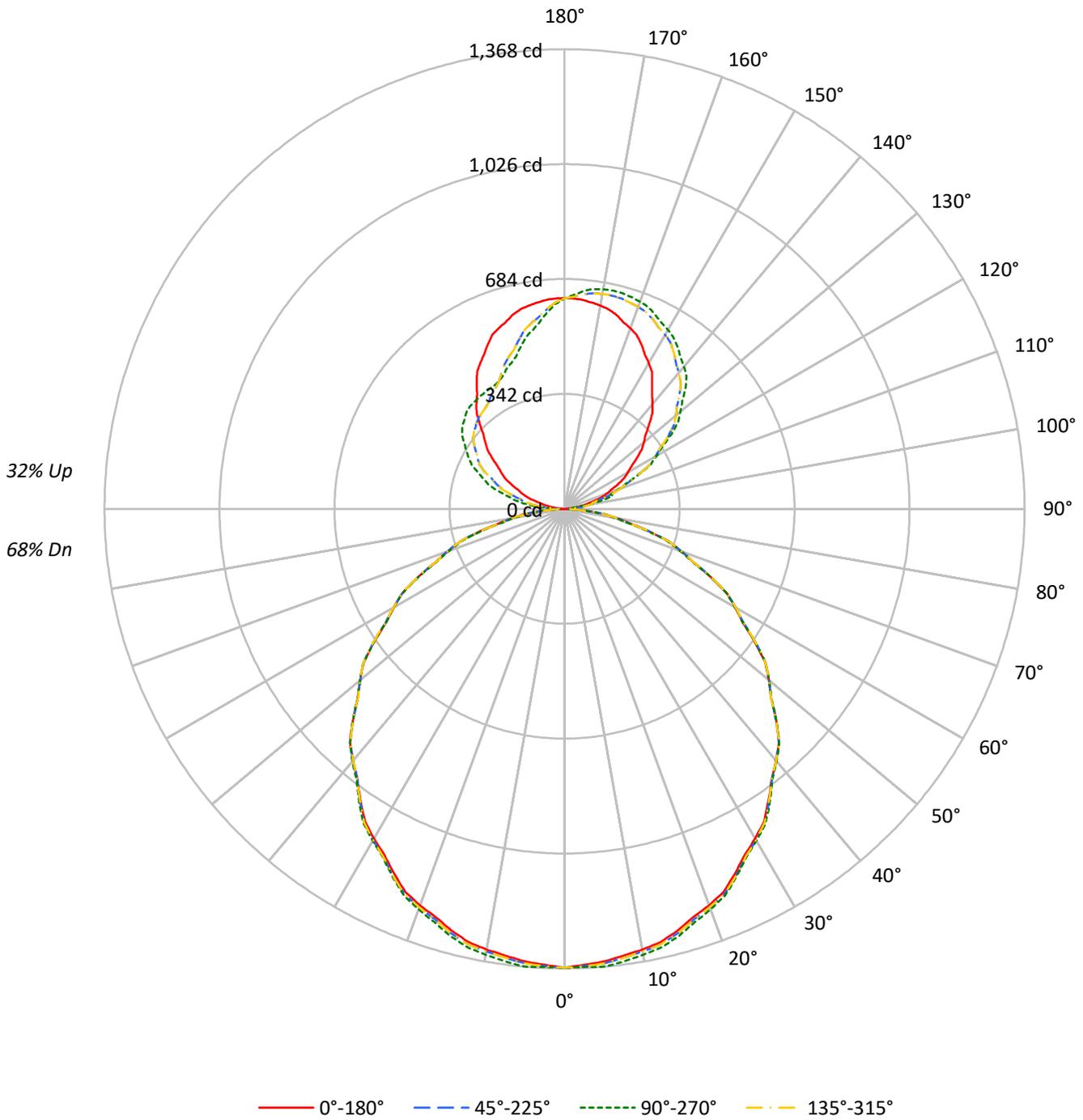
Lumens per Lamp: N/A
Luminaire Lumens: 5674.4 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68
1	102	97	93	89	96	92	88	85	82	79	76	72	70	68	64	62	61	57
2	92	84	78	73	87	80	74	69	71	67	63	63	60	57	56	53	51	47
3	84	74	66	60	79	70	63	58	63	57	53	56	51	48	49	46	43	40
4	77	66	57	51	72	62	55	49	56	50	45	50	45	41	44	40	37	34
5	71	58	50	44	66	55	48	42	50	43	39	44	39	35	39	35	32	29
6	65	52	44	38	61	50	42	36	45	38	34	40	35	31	36	31	28	26
7	60	47	39	33	57	45	37	32	41	34	30	36	31	27	33	28	25	23
8	56	43	35	29	53	41	34	28	37	31	26	33	28	24	30	26	22	20
9	52	39	32	26	49	38	30	25	34	28	24	31	26	22	28	23	20	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	26	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22052	22052	22052	22052
5°	21917	22167	21917	22167
10°	21839	22092	21839	22092
15°	21720	21992	21720	21992
20°	21582	21797	21582	21797
25°	21349	21538	21349	21538
30°	21123	21266	21123	21266
35°	20853	20985	20853	20985
40°	20615	20676	20615	20676
45°	20315	20315	20315	20315
50°	19906	19954	19906	19954
55°	19440	19465	19440	19465
60°	18913	18913	18913	18913
65°	18300	18227	18300	18227
70°	17433	17254	17433	17254
75°	16257	15901	16257	15901
80°	14486	13770	14486	13770
85°	11578	9800	11578	9800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 20449 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	2.3
10°-20°	369.2	6.5
20°-30°	555.8	9.8
30°-40°	664.7	11.7
40°-50°	686.3	12.1
50°-60°	619.0	10.9
60°-70°	474.2	8.4
70°-80°	274.1	4.8
80°-90°	73.8	1.3
90°-100°	49.8	0.9
100°-110°	145.3	2.6
110°-120°	237.1	4.2
120°-130°	300.9	5.3
130°-140°	322.0	5.7
140°-150°	300.7	5.3
150°-160°	247.4	4.4
160°-170°	165.9	2.9
170°-180°	58.9	1.0
0°-30°	1054.3	18.6
0°-40°	1718.9	30.3
0°-60°	3024.3	53.3
0°-90°	3846.3	67.8
90°-120°	432.3	7.6
90°-150°	1355.8	23.9
90°-180°	1828.0	32.2
0°-180°	5674.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1366	1366	1366	1366	1366	
5°	1352	1368	1352	1368	1352	128
15°	1299	1316	1299	1316	1299	366
25°	1198	1209	1198	1209	1198	552
35°	1058	1065	1058	1065	1058	662
45°	890	890	890	890	890	686
55°	691	692	691	692	691	617
65°	479	477	479	477	479	473
75°	261	255	261	255	261	276
85°	62	53	62	53	62	73
90°	2	14	2	27	2	4
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8
2.5°	1358.8	1365.3	1371.8	1369.1	1363.3	1361.1	1362.4	1363.6	1364.3	1365.0	1364.3
5°	1352.3	1360.8	1369.4	1366.4	1359.6	1356.6	1357.4	1359.1	1363.4	1367.7	1363.4
7.5°	1341.3	1349.9	1358.4	1355.7	1349.2	1346.5	1347.5	1349.4	1353.8	1358.3	1353.8
10°	1332.1	1340.6	1349.2	1346.2	1339.4	1336.8	1338.5	1340.6	1344.1	1347.5	1344.1
12.5°	1320.5	1329.1	1337.6	1335.2	1329.0	1326.4	1327.5	1329.2	1332.9	1336.7	1332.9
15°	1299.4	1307.9	1316.5	1314.1	1308.2	1305.8	1307.1	1308.9	1312.3	1315.7	1312.3
17.5°	1273.8	1281.8	1289.9	1287.7	1282.2	1280.1	1281.6	1283.4	1286.4	1289.4	1286.4
20°	1256.1	1263.8	1271.5	1269.3	1263.7	1261.1	1261.6	1262.6	1265.6	1268.6	1265.6
22.5°	1234.6	1242.3	1250.0	1248.0	1242.8	1239.7	1238.7	1238.9	1242.6	1246.3	1242.6
25°	1198.4	1206.1	1213.8	1212.2	1207.5	1204.5	1203.2	1203.0	1206.0	1209.0	1206.0
27.5°	1160.7	1167.1	1173.5	1172.2	1168.2	1165.8	1165.0	1164.9	1167.0	1169.2	1167.0
30°	1133.0	1139.4	1145.8	1144.2	1139.9	1137.4	1136.5	1136.4	1138.6	1140.7	1138.6
32.5°	1103.8	1109.8	1115.9	1113.7	1108.7	1106.2	1106.0	1106.5	1109.0	1111.5	1109.0
35°	1058.0	1063.1	1068.2	1066.0	1061.3	1059.2	1059.6	1060.4	1062.6	1064.7	1062.6
37.5°	1012.0	1015.9	1019.9	1017.6	1013.2	1011.0	1010.9	1011.3	1013.1	1014.9	1013.1
40°	978.1	982.4	986.7	984.2	979.5	977.0	976.5	976.8	978.9	981.0	978.9
42.5°	943.5	946.8	950.0	947.8	943.8	941.9	942.2	942.6	943.8	944.9	943.8
45°	889.7	892.7	895.6	893.5	889.7	887.7	887.7	888.0	888.8	889.7	888.8
47.5°	833.3	835.6	837.9	836.3	833.3	831.5	831.0	831.0	832.3	833.7	832.3
50°	792.5	795.5	798.5	797.0	794.0	792.1	791.2	791.0	792.7	794.4	792.7
52.5°	752.5	755.8	759.2	757.8	754.8	752.7	751.5	750.9	752.3	753.7	752.3
55°	690.6	694.4	698.3	697.3	694.7	692.6	690.9	689.8	690.7	691.5	690.7
57.5°	627.3	631.0	634.8	634.1	631.9	629.7	627.7	626.4	627.6	628.8	627.6
60°	585.7	589.2	592.6	591.5	588.9	586.8	585.1	584.0	584.9	585.7	584.9
62.5°	543.4	546.8	550.3	548.9	546.0	543.7	542.0	540.9	541.8	542.6	541.8
65°	479.0	482.0	485.0	483.8	481.2	479.1	477.4	476.2	476.6	477.1	476.6
67.5°	414.0	416.5	419.1	417.9	415.4	412.9	410.4	408.7	409.4	410.1	409.4
70°	369.3	371.9	374.5	373.5	371.4	369.2	367.1	365.5	365.5	365.5	365.5
72.5°	326.2	328.5	330.7	329.4	326.9	324.8	323.0	321.6	321.6	321.6	321.6
75°	260.6	261.9	263.2	262.6	261.3	259.6	257.4	255.7	255.3	254.9	255.3
77.5°	197.4	197.4	197.4	196.1	194.5	192.9	191.3	189.9	189.4	188.9	189.4
80°	155.8	155.8	155.8	154.8	153.6	152.3	151.0	149.8	149.0	148.1	149.0
82.5°	117.3	116.7	116.0	114.8	113.6	111.9	110.0	108.7	109.6	110.4	109.6
85°	62.5	61.7	60.8	59.6	58.3	56.9	55.1	53.8	53.3	52.9	53.3
87.5°	19.6	19.4	19.4	19.0	18.3	17.2	15.9	14.9	14.7	14.3	14.7
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8
2.5°	1363.6	1362.4	1361.1	1363.3	1369.1	1371.8	1365.3	1358.8	1365.3	1371.8	1369.1
5°	1359.1	1357.4	1356.6	1359.6	1366.4	1369.4	1360.8	1352.3	1360.8	1369.4	1366.4
7.5°	1349.4	1347.5	1346.5	1349.2	1355.7	1358.4	1349.9	1341.3	1349.9	1358.4	1355.7
10°	1340.6	1338.5	1336.8	1339.4	1346.2	1349.2	1340.6	1332.1	1340.6	1349.2	1346.2
12.5°	1329.2	1327.5	1326.4	1329.0	1335.2	1337.6	1329.1	1320.5	1329.1	1337.6	1335.2
15°	1308.9	1307.1	1305.8	1308.2	1314.1	1316.5	1307.9	1299.4	1307.9	1316.5	1314.1
17.5°	1283.4	1281.6	1280.1	1282.2	1287.7	1289.9	1281.8	1273.8	1281.8	1289.9	1287.7
20°	1262.6	1261.6	1261.1	1263.7	1269.3	1271.5	1263.8	1256.1	1263.8	1271.5	1269.3
22.5°	1238.9	1238.7	1239.7	1242.8	1248.0	1250.0	1242.3	1234.6	1242.3	1250.0	1248.0
25°	1203.0	1203.2	1204.5	1207.5	1212.2	1213.8	1206.1	1198.4	1206.1	1213.8	1212.2
27.5°	1164.9	1165.0	1165.8	1168.2	1172.2	1173.5	1167.1	1160.7	1167.1	1173.5	1172.2
30°	1136.4	1136.5	1137.4	1139.9	1144.2	1145.8	1139.4	1133.0	1139.4	1145.8	1144.2
32.5°	1106.5	1106.0	1106.2	1108.7	1113.7	1115.9	1109.8	1103.8	1109.8	1115.9	1113.7
35°	1060.4	1059.6	1059.2	1061.3	1066.0	1068.2	1063.1	1058.0	1063.1	1068.2	1066.0
37.5°	1011.3	1010.9	1011.0	1013.2	1017.6	1019.9	1015.9	1012.0	1015.9	1019.9	1017.6
40°	976.8	976.5	977.0	979.5	984.2	986.7	982.4	978.1	982.4	986.7	984.2
42.5°	942.6	942.2	941.9	943.8	947.8	950.0	946.8	943.5	946.8	950.0	947.8
45°	888.0	887.7	887.7	889.7	893.5	895.6	892.7	889.7	892.7	895.6	893.5
47.5°	831.0	831.0	831.5	833.3	836.3	837.9	835.6	833.3	835.6	837.9	836.3
50°	791.0	791.2	792.1	794.0	797.0	798.5	795.5	792.5	795.5	798.5	797.0
52.5°	750.9	751.5	752.7	754.8	757.8	759.2	755.8	752.5	755.8	759.2	757.8
55°	689.8	690.9	692.6	694.7	697.3	698.3	694.4	690.6	694.4	698.3	697.3
57.5°	626.4	627.7	629.7	631.9	634.1	634.8	631.0	627.3	631.0	634.8	634.1
60°	584.0	585.1	586.8	588.9	591.5	592.6	589.2	585.7	589.2	592.6	591.5
62.5°	540.9	542.0	543.7	546.0	548.9	550.3	546.8	543.4	546.8	550.3	548.9
65°	476.2	477.4	479.1	481.2	483.8	485.0	482.0	479.0	482.0	485.0	483.8
67.5°	408.7	410.4	412.9	415.4	417.9	419.1	416.5	414.0	416.5	419.1	417.9
70°	365.5	367.1	369.2	371.4	373.5	374.5	371.9	369.3	371.9	374.5	373.5
72.5°	321.6	323.0	324.8	326.9	329.4	330.7	328.5	326.2	328.5	330.7	329.4
75°	255.7	257.4	259.6	261.3	262.6	263.2	261.9	260.6	261.9	263.2	262.6
77.5°	189.9	191.3	192.9	194.5	196.1	197.4	197.4	197.4	197.4	197.4	196.1
80°	149.8	151.0	152.3	153.6	154.8	155.8	155.8	155.8	155.8	155.8	154.8
82.5°	108.7	110.0	111.9	113.6	114.8	116.0	116.7	117.3	116.7	116.0	114.8
85°	53.8	55.1	56.9	58.3	59.6	60.8	61.7	62.5	61.7	60.8	59.6
87.5°	14.9	15.9	17.2	18.3	19.0	19.4	19.4	19.6	19.4	19.3	19.2
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427714

CATALOG NUMBER: SQ2W-F-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427714

CATALOG NUMBER: SQ2W-F-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8
2.5°	1363.3	1361.1	1362.4	1363.6	1364.3	1365.0	1364.3	1363.6	1362.4	1361.1	1363.3
5°	1359.6	1356.6	1357.4	1359.1	1363.4	1367.7	1363.4	1359.1	1357.4	1356.6	1359.6
7.5°	1349.2	1346.5	1347.5	1349.4	1353.8	1358.3	1353.8	1349.4	1347.5	1346.5	1349.2
10°	1339.4	1336.8	1338.5	1340.6	1344.1	1347.5	1344.1	1340.6	1338.5	1336.8	1339.4
12.5°	1329.0	1326.4	1327.5	1329.2	1332.9	1336.7	1332.9	1329.2	1327.5	1326.4	1329.0
15°	1308.2	1305.8	1307.1	1308.9	1312.3	1315.7	1312.3	1308.9	1307.1	1305.8	1308.2
17.5°	1282.2	1280.1	1281.6	1283.4	1286.4	1289.4	1286.4	1283.4	1281.6	1280.1	1282.2
20°	1263.7	1261.1	1261.6	1262.6	1265.6	1268.6	1265.6	1262.6	1261.6	1261.1	1263.7
22.5°	1242.8	1239.7	1238.7	1238.9	1242.6	1246.3	1242.6	1238.9	1238.7	1239.7	1242.8
25°	1207.5	1204.5	1203.2	1203.0	1206.0	1209.0	1206.0	1203.0	1203.2	1204.5	1207.5
27.5°	1168.2	1165.8	1165.0	1164.9	1167.0	1169.2	1167.0	1164.9	1165.0	1165.8	1168.2
30°	1139.9	1137.4	1136.5	1136.4	1138.6	1140.7	1138.6	1136.4	1136.5	1137.4	1139.9
32.5°	1108.7	1106.2	1106.0	1106.5	1109.0	1111.5	1109.0	1106.5	1106.0	1106.2	1108.7
35°	1061.3	1059.2	1059.6	1060.4	1062.6	1064.7	1062.6	1060.4	1059.6	1059.2	1061.3
37.5°	1013.2	1011.0	1010.9	1011.3	1013.1	1014.9	1013.1	1011.3	1010.9	1011.0	1013.2
40°	979.5	977.0	976.5	976.8	978.9	981.0	978.9	976.8	976.5	977.0	979.5
42.5°	943.8	941.9	942.2	942.6	943.8	944.9	943.8	942.6	942.2	941.9	943.8
45°	889.7	887.7	887.7	888.0	888.8	889.7	888.8	888.0	887.7	887.7	889.7
47.5°	833.3	831.5	831.0	831.0	832.3	833.7	832.3	831.0	831.0	831.5	833.3
50°	794.0	792.1	791.2	791.0	792.7	794.4	792.7	791.0	791.2	792.1	794.0
52.5°	754.8	752.7	751.5	750.9	752.3	753.7	752.3	750.9	751.5	752.7	754.8
55°	694.7	692.6	690.9	689.8	690.7	691.5	690.7	689.8	690.9	692.6	694.7
57.5°	631.9	629.7	627.7	626.4	627.6	628.8	627.6	626.4	627.7	629.7	631.9
60°	588.9	586.8	585.1	584.0	584.9	585.7	584.9	584.0	585.1	586.8	588.9
62.5°	546.0	543.7	542.0	540.9	541.8	542.6	541.8	540.9	542.0	543.7	546.0
65°	481.2	479.1	477.4	476.2	476.6	477.1	476.6	476.2	477.4	479.1	481.2
67.5°	415.4	412.9	410.4	408.7	409.4	410.1	409.4	408.7	410.4	412.9	415.4
70°	371.4	369.2	367.1	365.5	365.5	365.5	365.5	365.5	367.1	369.2	371.4
72.5°	326.9	324.8	323.0	321.6	321.6	321.6	321.6	321.6	323.0	324.8	326.9
75°	261.3	259.6	257.4	255.7	255.3	254.9	255.3	255.7	257.4	259.6	261.3
77.5°	194.5	192.9	191.3	189.9	189.4	188.9	189.4	189.9	191.3	192.9	194.5
80°	153.6	152.3	151.0	149.8	149.0	148.1	149.0	149.8	151.0	152.3	153.6
82.5°	113.6	111.9	110.0	108.7	109.6	110.4	109.6	108.7	110.0	111.9	113.6
85°	58.3	56.9	55.1	53.8	53.3	52.9	53.3	53.8	55.1	56.9	58.3
87.5°	18.8	18.5	18.0	17.4	17.6	17.0	17.6	17.4	18.0	18.5	18.8
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427714

CATALOG NUMBER: SQ2W-F-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427714

CATALOG NUMBER: SQ2W-F-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1365.8	1365.8	1365.8	1365.8
2.5°	1369.1	1371.8	1365.3	1358.8
5°	1366.4	1369.4	1360.8	1352.3
7.5°	1355.7	1358.4	1349.9	1341.3
10°	1346.2	1349.2	1340.6	1332.1
12.5°	1335.2	1337.6	1329.1	1320.5
15°	1314.1	1316.5	1307.9	1299.4
17.5°	1287.7	1289.9	1281.8	1273.8
20°	1269.3	1271.5	1263.8	1256.1
22.5°	1248.0	1250.0	1242.3	1234.6
25°	1212.2	1213.8	1206.1	1198.4
27.5°	1172.2	1173.5	1167.1	1160.7
30°	1144.2	1145.8	1139.4	1133.0
32.5°	1113.7	1115.9	1109.8	1103.8
35°	1066.0	1068.2	1063.1	1058.0
37.5°	1017.6	1019.9	1015.9	1012.0
40°	984.2	986.7	982.4	978.1
42.5°	947.8	950.0	946.8	943.5
45°	893.5	895.6	892.7	889.7
47.5°	836.3	837.9	835.6	833.3
50°	797.0	798.5	795.5	792.5
52.5°	757.8	759.2	755.8	752.5
55°	697.3	698.3	694.4	690.6
57.5°	634.1	634.8	631.0	627.3
60°	591.5	592.6	589.2	585.7
62.5°	548.9	550.3	546.8	543.4
65°	483.8	485.0	482.0	479.0
67.5°	417.9	419.1	416.5	414.0
70°	373.5	374.5	371.9	369.3
72.5°	329.4	330.7	328.5	326.2
75°	262.6	263.2	261.9	260.6
77.5°	196.1	197.4	197.4	197.4
80°	154.8	155.8	155.8	155.8
82.5°	114.8	116.0	116.7	117.3
85°	59.6	60.8	61.7	62.5
87.5°	19.2	19.3	19.4	19.6
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7

TEST NUMBER: P1427714

CATALOG NUMBER: SQ2W-F-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1427714
 CATALOG NUMBER: SQ2W-F-K-050U-100D-L930-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	20.10	21.17	20.89	21.98	22.97	20.02	21.08	20.80	21.89	22.88
	3H	21.91	22.86	22.70	23.68	24.70	21.80	22.76	22.60	23.58	24.60
	4H	22.61	23.52	23.43	24.34	25.37	22.50	23.40	23.31	24.23	25.26
	6H	23.06	23.89	23.89	24.73	25.78	22.92	23.75	23.75	24.59	25.63
	8H	23.22	24.02	24.06	24.88	25.92	23.07	23.87	23.91	24.72	25.77
	12H	23.32	24.08	24.16	24.92	26.00	23.14	23.90	23.98	24.75	25.82
4H	2H	20.71	21.61	21.52	22.44	23.47	20.64	21.54	21.46	22.37	23.40
	3H	22.75	23.50	23.58	24.36	25.41	22.65	23.41	23.48	24.27	25.32
	4H	23.57	24.26	24.41	25.12	26.19	23.46	24.15	24.30	25.01	26.08
	6H	24.13	24.73	24.99	25.61	26.69	23.99	24.59	24.85	25.47	26.55
	8H	24.35	24.91	25.22	25.79	26.88	24.19	24.75	25.06	25.63	26.72
	12H	24.48	24.98	25.36	25.88	26.97	24.29	24.79	25.17	25.69	26.79
8H	4H	23.83	24.39	24.69	25.27	26.36	23.73	24.29	24.60	25.17	26.26
	6H	24.53	24.99	25.42	25.91	27.00	24.40	24.86	25.29	25.78	26.87
	8H	24.83	25.25	25.74	26.16	27.27	24.68	25.09	25.58	26.00	27.11
	12H	25.03	25.39	25.93	26.29	27.46	24.84	25.20	25.74	26.10	27.26
12H	4H	23.83	24.34	24.72	25.23	26.33	23.74	24.24	24.62	25.14	26.24
	6H	24.58	24.99	25.48	25.90	27.01	24.45	24.87	25.36	25.78	26.89
	8H	24.92	25.29	25.83	26.19	27.35	24.77	25.13	25.68	26.04	27.20