

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427667

Luminaire Tested: SQ2W-F-0U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427667
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-0U-100D-L935-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 N/A - DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

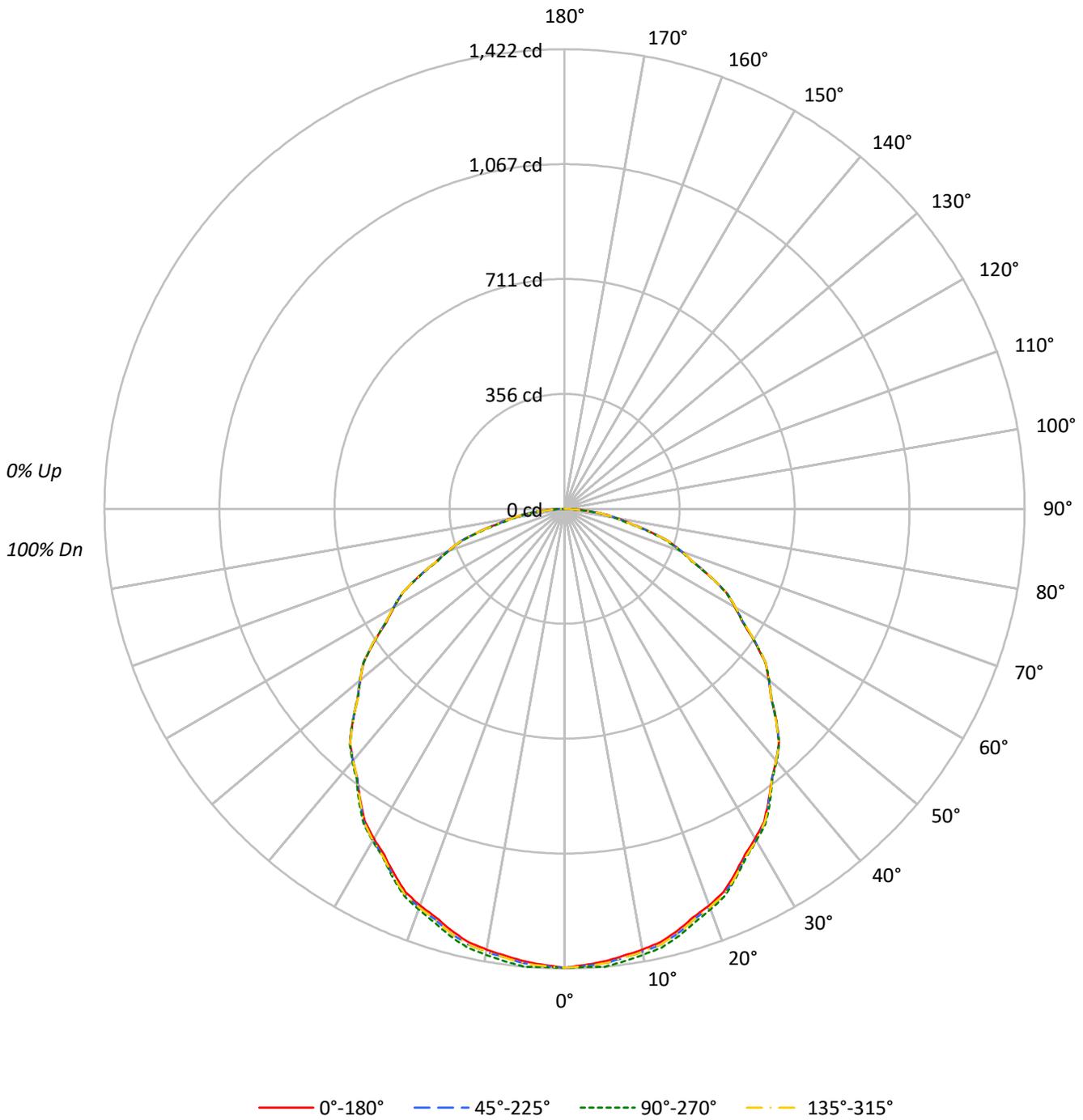
Lumens per Lamp: N/A
Luminaire Lumens: 3996.4 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.6
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

TEST NUMBER: P1427667

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22927	22927	22927	22927
5°	22787	23047	22787	23047
10°	22707	22969	22707	22969
15°	22582	22866	22582	22866
20°	22439	22663	22439	22663
25°	22197	22393	22197	22393
30°	21962	22111	21962	22111
35°	21681	21819	21681	21819
40°	21435	21498	21435	21498
45°	21121	21121	21121	21121
50°	20697	20747	20697	20747
55°	20211	20239	20211	20239
60°	19665	19665	19665	19665
65°	19025	18949	19025	18949
70°	18127	17938	18127	17938
75°	16905	16531	16905	16531
80°	15063	14319	15063	14319
85°	12041	10189	12041	10189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 21262 cd/sqm



TEST NUMBER: P1427667

CATALOG NUMBER: SQ2W-F-0U-100D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	3.4
10°-20°	383.9	9.6
20°-30°	577.9	14.5
30°-40°	691.1	17.3
40°-50°	713.6	17.9
50°-60°	643.6	16.1
60°-70°	493.0	12.3
70°-80°	285.0	7.1
80°-90°	74.0	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1096.2	27.4
0°-40°	1787.2	44.7
0°-60°	3144.4	78.7
0°-90°	3996.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3996.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1420	1420	1420	1420	1420	
5°	1406	1422	1406	1422	1406	133
15°	1351	1368	1351	1368	1351	381
25°	1246	1257	1246	1257	1246	574
35°	1100	1107	1100	1107	1100	688
45°	925	925	925	925	925	713
55°	718	719	718	719	718	642
65°	498	496	498	496	498	492
75°	271	265	271	265	271	287
85°	65	55	65	55	65	78
90°	0	0	0	0	0	



TEST NUMBER: P1427667

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1412.8	1419.6	1426.3	1423.5	1417.4	1415.1	1416.5	1417.8	1418.5	1419.2	1418.5
5°	1406.0	1414.9	1423.8	1420.7	1413.6	1410.4	1411.3	1413.1	1417.6	1422.0	1417.6
7.5°	1394.6	1403.5	1412.4	1409.5	1402.8	1399.9	1401.0	1403.0	1407.6	1412.2	1407.6
10°	1385.0	1393.9	1402.8	1399.7	1392.6	1389.9	1391.7	1393.9	1397.4	1401.0	1397.4
12.5°	1373.0	1381.9	1390.8	1388.2	1381.8	1379.1	1380.2	1382.0	1385.9	1389.8	1385.9
15°	1351.0	1359.9	1368.8	1366.3	1360.1	1357.7	1359.0	1360.9	1364.4	1368.0	1364.4
17.5°	1324.4	1332.8	1341.1	1338.9	1333.1	1331.0	1332.5	1334.4	1337.5	1340.6	1337.5
20°	1306.0	1314.0	1322.0	1319.7	1313.9	1311.2	1311.7	1312.8	1315.9	1319.0	1315.9
22.5°	1283.6	1291.6	1299.6	1297.5	1292.1	1288.9	1287.9	1288.2	1292.0	1295.8	1292.0
25°	1246.0	1254.0	1262.0	1260.3	1255.4	1252.3	1251.0	1250.8	1253.9	1257.0	1253.9
27.5°	1206.8	1213.5	1220.1	1218.7	1214.6	1212.2	1211.3	1211.2	1213.4	1215.6	1213.4
30°	1178.0	1184.7	1191.3	1189.7	1185.2	1182.6	1181.7	1181.6	1183.8	1186.0	1183.8
32.5°	1147.6	1153.9	1160.2	1157.9	1152.8	1150.1	1149.9	1150.4	1153.0	1155.6	1153.0
35°	1100.0	1105.3	1110.7	1108.3	1103.4	1101.2	1101.7	1102.6	1104.8	1107.0	1104.8
37.5°	1052.2	1056.3	1060.4	1058.0	1053.5	1051.2	1051.1	1051.5	1053.3	1055.2	1053.3
40°	1017.0	1021.4	1025.9	1023.3	1018.4	1015.8	1015.3	1015.6	1017.8	1020.0	1017.8
42.5°	981.0	984.4	987.8	985.5	981.3	979.3	979.6	980.1	981.2	982.4	981.2
45°	925.0	928.1	931.2	929.0	925.0	923.0	923.0	923.2	924.1	925.0	924.1
47.5°	866.4	868.8	871.2	869.5	866.4	864.5	864.0	864.0	865.4	866.8	865.4
50°	824.0	827.1	830.2	828.7	825.6	823.6	822.7	822.4	824.2	826.0	824.2
52.5°	782.4	785.9	789.3	787.9	784.8	782.6	781.3	780.8	782.2	783.6	782.2
55°	718.0	722.0	726.0	725.0	722.3	720.1	718.3	717.2	718.1	719.0	718.1
57.5°	652.2	656.1	660.0	659.3	657.0	654.7	652.6	651.3	652.6	653.8	652.6
60°	609.0	612.6	616.1	615.0	612.3	610.1	608.3	607.2	608.1	609.0	608.1
62.5°	565.0	568.6	572.1	570.7	567.7	565.3	563.5	562.4	563.3	564.2	563.3
65°	498.0	501.1	504.2	503.0	500.3	498.1	496.3	495.1	495.6	496.0	495.6
67.5°	430.4	433.1	435.7	434.5	431.9	429.3	426.7	425.0	425.7	426.4	425.7
70°	384.0	386.7	389.3	388.3	386.1	383.9	381.7	380.0	380.0	380.0	380.0
72.5°	339.2	341.5	343.8	342.5	339.9	337.7	335.8	334.4	334.4	334.4	334.4
75°	271.0	272.3	273.7	273.0	271.7	269.9	267.7	265.9	265.4	265.0	265.4
77.5°	205.2	205.2	205.2	203.9	202.2	200.6	198.9	197.5	196.9	196.4	196.9
80°	162.0	162.0	162.0	161.0	159.7	158.3	157.0	155.8	154.9	154.0	154.9
82.5°	122.0	121.3	120.6	119.4	118.1	116.4	114.3	113.0	113.9	114.8	113.9
85°	65.0	64.1	63.2	62.0	60.7	59.1	57.3	55.9	55.4	55.0	55.4
87.5°	20.0	19.3	18.6	17.6	16.5	15.3	13.9	12.7	12.4	12.0	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427667

CATALOG NUMBER: SQ2W-F-OU-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1417.8	1416.5	1415.1	1417.4	1423.5	1426.3	1419.6	1412.8	1419.6	1426.3	1423.5
5°	1413.1	1411.3	1410.4	1413.6	1420.7	1423.8	1414.9	1406.0	1414.9	1423.8	1420.7
7.5°	1403.0	1401.0	1399.9	1402.8	1409.5	1412.4	1403.5	1394.6	1403.5	1412.4	1409.5
10°	1393.9	1391.7	1389.9	1392.6	1399.7	1402.8	1393.9	1385.0	1393.9	1402.8	1399.7
12.5°	1382.0	1380.2	1379.1	1381.8	1388.2	1390.8	1381.9	1373.0	1381.9	1390.8	1388.2
15°	1360.9	1359.0	1357.7	1360.1	1366.3	1368.8	1359.9	1351.0	1359.9	1368.8	1366.3
17.5°	1334.4	1332.5	1331.0	1333.1	1338.9	1341.1	1332.8	1324.4	1332.8	1341.1	1338.9
20°	1312.8	1311.7	1311.2	1313.9	1319.7	1322.0	1314.0	1306.0	1314.0	1322.0	1319.7
22.5°	1288.2	1287.9	1288.9	1292.1	1297.5	1299.6	1291.6	1283.6	1291.6	1299.6	1297.5
25°	1250.8	1251.0	1252.3	1255.4	1260.3	1262.0	1254.0	1246.0	1254.0	1262.0	1260.3
27.5°	1211.2	1211.3	1212.2	1214.6	1218.7	1220.1	1213.5	1206.8	1213.5	1220.1	1218.7
30°	1181.6	1181.7	1182.6	1185.2	1189.7	1191.3	1184.7	1178.0	1184.7	1191.3	1189.7
32.5°	1150.4	1149.9	1150.1	1152.8	1157.9	1160.2	1153.9	1147.6	1153.9	1160.2	1157.9
35°	1102.6	1101.7	1101.2	1103.4	1108.3	1110.7	1105.3	1100.0	1105.3	1110.7	1108.3
37.5°	1051.5	1051.1	1051.2	1053.5	1058.0	1060.4	1056.3	1052.2	1056.3	1060.4	1058.0
40°	1015.6	1015.3	1015.8	1018.4	1023.3	1025.9	1021.4	1017.0	1021.4	1025.9	1023.3
42.5°	980.1	979.6	979.3	981.3	985.5	987.8	984.4	981.0	984.4	987.8	985.5
45°	923.2	923.0	923.0	925.0	929.0	931.2	928.1	925.0	928.1	931.2	929.0
47.5°	864.0	864.0	864.5	866.4	869.5	871.2	868.8	866.4	868.8	871.2	869.5
50°	822.4	822.7	823.6	825.6	828.7	830.2	827.1	824.0	827.1	830.2	828.7
52.5°	780.8	781.3	782.6	784.8	787.9	789.3	785.9	782.4	785.9	789.3	787.9
55°	717.2	718.3	720.1	722.3	725.0	726.0	722.0	718.0	722.0	726.0	725.0
57.5°	651.3	652.6	654.7	657.0	659.3	660.0	656.1	652.2	656.1	660.0	659.3
60°	607.2	608.3	610.1	612.3	615.0	616.1	612.6	609.0	612.6	616.1	615.0
62.5°	562.4	563.5	565.3	567.7	570.7	572.1	568.6	565.0	568.6	572.1	570.7
65°	495.1	496.3	498.1	500.3	503.0	504.2	501.1	498.0	501.1	504.2	503.0
67.5°	425.0	426.7	429.3	431.9	434.5	435.7	433.1	430.4	433.1	435.7	434.5
70°	380.0	381.7	383.9	386.1	388.3	389.3	386.7	384.0	386.7	389.3	388.3
72.5°	334.4	335.8	337.7	339.9	342.5	343.8	341.5	339.2	341.5	343.8	342.5
75°	265.9	267.7	269.9	271.7	273.0	273.7	272.3	271.0	272.3	273.7	273.0
77.5°	197.5	198.9	200.6	202.2	203.9	205.2	205.2	205.2	205.2	205.2	203.9
80°	155.8	157.0	158.3	159.7	161.0	162.0	162.0	162.0	162.0	162.0	161.0
82.5°	113.0	114.3	116.4	118.1	119.4	120.6	121.3	122.0	121.3	120.6	119.4
85°	55.9	57.3	59.1	60.7	62.0	63.2	64.1	65.0	64.1	63.2	62.0
87.5°	12.7	13.9	15.3	16.5	17.6	18.6	19.3	20.0	19.3	18.6	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: SQ2W-F-OU-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1417.4	1415.1	1416.5	1417.8	1418.5	1419.2	1418.5	1417.8	1416.5	1415.1	1417.4
5°	1413.6	1410.4	1411.3	1413.1	1417.6	1422.0	1417.6	1413.1	1411.3	1410.4	1413.6
7.5°	1402.8	1399.9	1401.0	1403.0	1407.6	1412.2	1407.6	1403.0	1401.0	1399.9	1402.8
10°	1392.6	1389.9	1391.7	1393.9	1397.4	1401.0	1397.4	1393.9	1391.7	1389.9	1392.6
12.5°	1381.8	1379.1	1380.2	1382.0	1385.9	1389.8	1385.9	1382.0	1380.2	1379.1	1381.8
15°	1360.1	1357.7	1359.0	1360.9	1364.4	1368.0	1364.4	1360.9	1359.0	1357.7	1360.1
17.5°	1333.1	1331.0	1332.5	1334.4	1337.5	1340.6	1337.5	1334.4	1332.5	1331.0	1333.1
20°	1313.9	1311.2	1311.7	1312.8	1315.9	1319.0	1315.9	1312.8	1311.7	1311.2	1313.9
22.5°	1292.1	1288.9	1287.9	1288.2	1292.0	1295.8	1292.0	1288.2	1287.9	1288.9	1292.1
25°	1255.4	1252.3	1251.0	1250.8	1253.9	1257.0	1253.9	1250.8	1251.0	1252.3	1255.4
27.5°	1214.6	1212.2	1211.3	1211.2	1213.4	1215.6	1213.4	1211.2	1211.3	1212.2	1214.6
30°	1185.2	1182.6	1181.7	1181.6	1183.8	1186.0	1183.8	1181.6	1181.7	1182.6	1185.2
32.5°	1152.8	1150.1	1149.9	1150.4	1153.0	1155.6	1153.0	1150.4	1149.9	1150.1	1152.8
35°	1103.4	1101.2	1101.7	1102.6	1104.8	1107.0	1104.8	1102.6	1101.7	1101.2	1103.4
37.5°	1053.5	1051.2	1051.1	1051.5	1053.3	1055.2	1053.3	1051.5	1051.1	1051.2	1053.5
40°	1018.4	1015.8	1015.3	1015.6	1017.8	1020.0	1017.8	1015.6	1015.3	1015.8	1018.4
42.5°	981.3	979.3	979.6	980.1	981.2	982.4	981.2	980.1	979.6	979.3	981.3
45°	925.0	923.0	923.0	923.2	924.1	925.0	924.1	923.2	923.0	923.0	925.0
47.5°	866.4	864.5	864.0	864.0	865.4	866.8	865.4	864.0	864.0	864.5	866.4
50°	825.6	823.6	822.7	822.4	824.2	826.0	824.2	822.4	822.7	823.6	825.6
52.5°	784.8	782.6	781.3	780.8	782.2	783.6	782.2	780.8	781.3	782.6	784.8
55°	722.3	720.1	718.3	717.2	718.1	719.0	718.1	717.2	718.3	720.1	722.3
57.5°	657.0	654.7	652.6	651.3	652.6	653.8	652.6	651.3	652.6	654.7	657.0
60°	612.3	610.1	608.3	607.2	608.1	609.0	608.1	607.2	608.3	610.1	612.3
62.5°	567.7	565.3	563.5	562.4	563.3	564.2	563.3	562.4	563.5	565.3	567.7
65°	500.3	498.1	496.3	495.1	495.6	496.0	495.6	495.1	496.3	498.1	500.3
67.5°	431.9	429.3	426.7	425.0	425.7	426.4	425.7	425.0	426.7	429.3	431.9
70°	386.1	383.9	381.7	380.0	380.0	380.0	380.0	380.0	381.7	383.9	386.1
72.5°	339.9	337.7	335.8	334.4	334.4	334.4	334.4	334.4	335.8	337.7	339.9
75°	271.7	269.9	267.7	265.9	265.4	265.0	265.4	265.9	267.7	269.9	271.7
77.5°	202.2	200.6	198.9	197.5	196.9	196.4	196.9	197.5	198.9	200.6	202.2
80°	159.7	158.3	157.0	155.8	154.9	154.0	154.9	155.8	157.0	158.3	159.7
82.5°	118.1	116.4	114.3	113.0	113.9	114.8	113.9	113.0	114.3	116.4	118.1
85°	60.7	59.1	57.3	55.9	55.4	55.0	55.4	55.9	57.3	59.1	60.7
87.5°	16.5	15.3	13.9	12.7	12.4	12.0	12.4	12.7	13.9	15.3	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427667

CATALOG NUMBER: SQ2W-F-0U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1420.0	1420.0	1420.0	1420.0
2.5°	1423.5	1426.3	1419.6	1412.8
5°	1420.7	1423.8	1414.9	1406.0
7.5°	1409.5	1412.4	1403.5	1394.6
10°	1399.7	1402.8	1393.9	1385.0
12.5°	1388.2	1390.8	1381.9	1373.0
15°	1366.3	1368.8	1359.9	1351.0
17.5°	1338.9	1341.1	1332.8	1324.4
20°	1319.7	1322.0	1314.0	1306.0
22.5°	1297.5	1299.6	1291.6	1283.6
25°	1260.3	1262.0	1254.0	1246.0
27.5°	1218.7	1220.1	1213.5	1206.8
30°	1189.7	1191.3	1184.7	1178.0
32.5°	1157.9	1160.2	1153.9	1147.6
35°	1108.3	1110.7	1105.3	1100.0
37.5°	1058.0	1060.4	1056.3	1052.2
40°	1023.3	1025.9	1021.4	1017.0
42.5°	985.5	987.8	984.4	981.0
45°	929.0	931.2	928.1	925.0
47.5°	869.5	871.2	868.8	866.4
50°	828.7	830.2	827.1	824.0
52.5°	787.9	789.3	785.9	782.4
55°	725.0	726.0	722.0	718.0
57.5°	659.3	660.0	656.1	652.2
60°	615.0	616.1	612.6	609.0
62.5°	570.7	572.1	568.6	565.0
65°	503.0	504.2	501.1	498.0
67.5°	434.5	435.7	433.1	430.4
70°	388.3	389.3	386.7	384.0
72.5°	342.5	343.8	341.5	339.2
75°	273.0	273.7	272.3	271.0
77.5°	203.9	205.2	205.2	205.2
80°	161.0	162.0	162.0	162.0
82.5°	119.4	120.6	121.3	122.0
85°	62.0	63.2	64.1	65.0
87.5°	17.6	18.6	19.3	20.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427667
 CATALOG NUMBER: SQ2W-F-0U-100D-L935-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	22.54	24.19	22.91	24.50	24.82	22.46	24.10	22.82	24.42	24.73
	3H	24.39	25.87	24.76	26.20	26.56	24.28	25.77	24.66	26.10	26.46
	4H	25.12	26.52	25.51	26.86	27.24	25.00	26.40	25.40	26.75	27.12
	6H	25.59	26.89	26.00	27.25	27.64	25.45	26.75	25.86	27.11	27.50
	8H	25.77	27.01	26.20	27.40	27.80	25.62	26.86	26.04	27.25	27.64
	12H	25.88	27.07	26.31	27.45	27.88	25.71	26.89	26.13	27.28	27.70
4H	2H	23.21	24.61	23.61	24.96	25.33	23.14	24.54	23.54	24.89	25.27
	3H	25.30	26.47	25.71	26.87	27.27	25.21	26.38	25.61	26.78	27.18
	4H	26.14	27.21	26.57	27.62	28.06	26.03	27.10	26.46	27.51	27.94
	6H	26.74	27.67	27.19	28.11	28.56	26.60	27.53	27.05	27.97	28.42
	8H	26.97	27.84	27.43	28.29	28.75	26.81	27.68	27.27	28.13	28.59
	12H	27.12	27.91	27.60	28.38	28.85	26.94	27.72	27.42	28.20	28.66
8H	4H	26.45	27.32	26.91	27.76	28.23	26.35	27.22	26.81	27.66	28.13
	6H	27.17	27.90	27.67	28.38	28.86	27.04	27.77	27.53	28.25	28.73
	8H	27.49	28.14	27.99	28.64	29.13	27.33	27.98	27.84	28.49	28.97
	12H	27.71	28.28	28.21	28.77	29.33	27.51	28.09	28.02	28.58	29.14
12H	4H	26.48	27.26	26.96	27.74	28.21	26.39	27.17	26.87	27.65	28.12
	6H	27.23	27.88	27.74	28.39	28.87	27.10	27.76	27.61	28.26	28.75
	8H	27.60	28.18	28.11	28.67	29.23	27.45	28.03	27.96	28.52	29.08