

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: P1435772

Luminaire Tested: SQ2W-FA-K-050U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435772
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-050U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

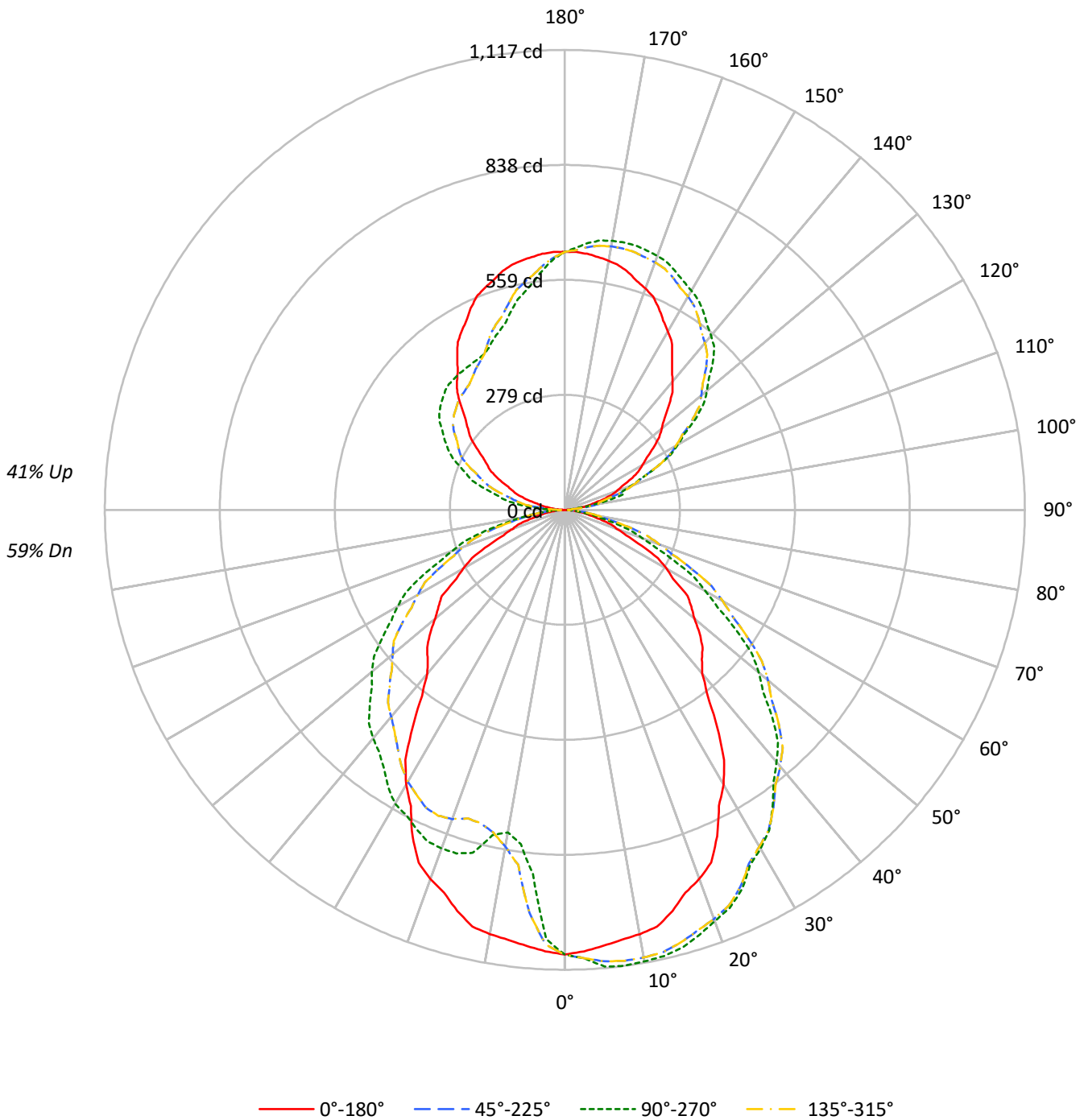
Lumens per Lamp: N/A
Luminaire Lumens: 4512.8 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.6
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

TEST NUMBER: P1435772

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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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59
1	100	96	92	88	93	90	86	83	78	75	73	67	66	64	58	56	55	50
2	91	84	77	72	85	78	73	68	68	64	61	59	56	53	51	48	46	42
3	83	74	66	60	77	69	62	57	60	55	51	52	48	45	45	42	40	36
4	76	65	57	51	71	61	54	48	54	48	44	47	42	39	40	37	34	31
5	70	58	50	44	65	55	47	42	48	42	38	42	37	34	36	33	30	27
6	64	52	44	38	60	49	42	36	43	37	33	38	33	29	33	29	26	23
7	60	47	39	33	56	44	37	32	39	33	29	34	30	26	30	26	23	21
8	55	43	35	30	52	40	33	28	36	30	26	32	27	23	27	24	21	19
9	52	39	32	26	48	37	30	25	33	27	23	29	24	21	25	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17437	17437	17437	17437
5°	17233	18047	17233	14384
10°	17157	18255	17157	13040
15°	16864	18403	16864	14413
20°	16398	18269	16398	15032
25°	15586	18121	15586	15214
30°	14359	17717	14359	15375
35°	12707	17327	12707	15100
40°	10941	16853	10941	15264
45°	10800	16248	10800	15294
50°	10303	15458	10303	15352
55°	10252	14257	10252	15200
60°	9193	12707	9193	15138
65°	7836	11194	7836	14712
70°	6326	9484	6326	13633
75°	5483	7835	5483	12532
80°	4668	5839	4668	10116
85°	3094	3094	3094	6206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16760 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	2.2
10°-20°	271.5	6.0
20°-30°	412.4	9.1
30°-40°	484.1	10.7
40°-50°	491.3	10.9
50°-60°	430.3	9.5
60°-70°	305.2	6.8
70°-80°	157.2	3.5
80°-90°	35.5	0.8
90°-100°	49.8	1.1
100°-110°	145.3	3.2
110°-120°	237.1	5.3
120°-130°	300.9	6.7
130°-140°	322.0	7.1
140°-150°	300.7	6.7
150°-160°	247.4	5.5
160°-170°	165.9	3.7
170°-180°	58.9	1.3
0°-30°	781.1	17.3
0°-40°	1265.2	28.0
0°-60°	2186.8	48.5
0°-90°	2684.7	59.5
90°-120°	432.3	9.6
90°-150°	1355.8	30.0
90°-180°	1828.0	40.5
0°-180°	4512.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1080	1080	1080	1080	1080	
5°	1063	1114	1063	888	1063	101
15°	1009	1101	1009	862	1009	283
25°	875	1017	875	854	875	399
35°	645	879	645	766	645	402
45°	473	712	473	670	473	362
55°	364	506	364	540	364	315
65°	205	293	205	385	205	205
75°	88	126	88	201	88	95
85°	17	17	17	34	17	21
90°	2	14	2	27	2	2
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°	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0
2.5°	1073.3	1080.8	1088.2	1090.1	1090.1	1090.1	1090.1	1090.1	1090.1	1090.1	1090.1
5°	1063.3	1076.3	1089.3	1095.4	1099.1	1101.9	1103.7	1106.1	1109.8	1113.5	1109.8
7.5°	1053.2	1070.7	1088.2	1096.8	1102.3	1106.8	1110.2	1113.1	1115.0	1116.9	1115.0
10°	1046.5	1067.0	1087.5	1096.8	1102.3	1106.1	1107.9	1109.8	1111.7	1113.5	1111.7
12.5°	1036.5	1058.4	1080.4	1091.2	1098.3	1102.7	1104.6	1106.4	1108.3	1110.2	1108.3
15°	1008.9	1038.6	1068.4	1080.0	1085.6	1090.3	1094.0	1097.2	1099.1	1101.0	1099.1
17.5°	974.5	1010.6	1046.7	1061.3	1068.8	1074.2	1077.5	1080.4	1081.9	1083.4	1081.9
20°	954.4	993.5	1032.6	1047.9	1055.4	1060.0	1061.9	1063.3	1063.3	1063.3	1063.3
22.5°	927.6	971.2	1014.7	1031.2	1038.6	1042.5	1042.9	1043.6	1045.0	1046.5	1045.0
25°	874.9	925.1	975.4	996.3	1007.5	1012.1	1010.3	1009.8	1013.5	1017.2	1013.5
27.5°	810.4	873.7	936.9	958.3	965.8	970.4	972.3	973.7	973.7	973.7	973.7
30°	770.2	840.9	911.6	934.9	942.3	947.0	948.9	950.3	950.3	950.3	950.3
32.5°	720.0	804.1	888.2	913.7	919.6	922.8	923.2	923.5	923.5	923.5	923.5
35°	644.7	747.0	849.3	877.7	881.4	883.3	883.3	882.8	880.9	879.1	880.9
37.5°	569.3	685.4	801.5	834.7	840.3	841.8	839.2	836.8	834.9	833.0	834.9
40°	519.1	645.6	772.1	807.9	813.5	813.5	807.9	803.3	801.4	799.6	801.4
42.5°	492.3	617.3	742.3	777.8	783.4	782.6	775.6	769.8	767.9	766.1	767.9
45°	473.0	584.7	696.3	728.4	734.0	733.0	725.6	719.1	715.4	711.6	715.4
47.5°	443.7	542.0	640.2	671.7	681.0	680.1	668.9	659.6	655.9	652.2	655.9
50°	410.2	507.0	603.7	634.9	644.2	643.3	632.1	622.8	619.1	615.4	619.1
52.5°	386.8	477.6	568.4	596.9	604.8	602.3	589.7	579.3	575.5	571.8	575.5
55°	364.2	440.5	516.8	540.0	545.6	541.9	528.8	517.7	512.1	506.5	512.1
57.5°	311.4	384.0	456.6	479.2	485.1	480.7	465.8	453.0	446.7	440.4	446.7
60°	284.7	349.8	414.9	436.8	444.2	440.5	425.6	412.1	402.8	393.5	402.8
62.5°	254.5	312.2	369.9	392.1	402.5	400.3	385.4	371.9	362.6	353.3	362.6
65°	205.1	255.4	305.6	327.9	340.9	340.0	325.1	311.6	302.3	293.0	302.3
67.5°	160.7	203.9	247.1	269.0	283.9	283.2	266.8	252.7	245.2	237.8	245.2
70°	134.0	171.2	208.4	228.8	243.7	243.7	228.8	215.8	208.4	200.9	208.4
72.5°	117.2	145.5	173.8	193.1	209.5	209.5	193.1	179.4	173.4	167.4	173.4
75°	87.9	104.7	121.4	139.5	158.1	160.0	145.1	133.0	129.3	125.6	129.3
77.5°	63.6	71.4	79.3	93.5	109.9	111.7	99.1	89.2	87.7	86.2	87.7
80°	50.2	52.1	54.0	65.6	80.5	82.3	71.2	62.8	62.8	62.8	62.8
82.5°	33.5	35.3	37.2	45.5	55.9	57.0	48.8	42.3	40.8	39.3	40.8
85°	16.7	16.7	16.7	19.5	23.3	23.3	19.5	16.7	16.7	16.7	16.7
87.5°	3.7	4.2	4.9	6.5	8.4	8.5	7.0	6.0	6.1	6.1	6.1
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



TEST NUMBER: P1435772

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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°	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0
2.5°	1090.1	1090.1	1090.1	1090.1	1090.1	1088.2	1080.8	1073.3	1073.3	1073.3	1067.7
5°	1106.1	1103.7	1101.9	1099.1	1095.4	1089.3	1076.3	1063.3	1057.7	1052.1	1028.4
7.5°	1113.1	1110.2	1106.8	1102.3	1096.8	1088.2	1070.7	1053.2	1028.3	1003.4	950.5
10°	1109.8	1107.9	1106.1	1102.3	1096.8	1087.5	1067.0	1046.5	996.3	946.1	895.8
12.5°	1106.4	1104.6	1102.7	1098.3	1091.2	1080.4	1058.4	1036.5	965.4	894.3	848.9
15°	1097.2	1094.0	1090.3	1085.6	1080.0	1068.4	1038.6	1008.9	928.9	848.9	810.7
17.5°	1080.4	1077.5	1074.2	1068.8	1061.3	1046.7	1010.6	974.5	890.8	807.1	782.5
20°	1063.3	1061.9	1060.0	1055.4	1047.9	1032.6	993.5	954.4	870.7	787.0	775.8
22.5°	1043.6	1042.9	1042.5	1038.6	1031.2	1014.7	971.2	927.6	845.4	763.2	763.6
25°	1009.8	1010.3	1012.1	1007.5	996.3	975.4	925.1	874.9	802.3	729.8	742.3
27.5°	973.7	972.3	970.4	965.8	958.3	936.9	873.7	810.4	753.1	695.8	716.7
30°	950.3	948.9	947.0	942.3	934.9	911.6	840.9	770.2	721.9	673.5	697.7
32.5°	923.5	923.2	922.8	919.6	913.7	888.2	804.1	720.0	685.0	650.1	675.4
35°	882.8	883.3	883.3	881.4	877.7	849.3	747.0	644.7	629.8	614.9	644.7
37.5°	836.8	839.2	841.8	840.3	834.7	801.5	685.4	569.3	574.2	579.0	615.1
40°	803.3	807.9	813.5	813.5	807.9	772.1	645.6	519.1	535.8	552.6	591.6
42.5°	769.8	775.6	782.6	783.4	777.8	742.3	617.3	492.3	510.5	528.8	569.3
45°	719.1	725.6	733.0	734.0	728.4	696.3	584.7	473.0	484.2	495.4	534.4
47.5°	659.6	668.9	680.1	681.0	671.7	640.2	542.0	443.7	451.9	460.1	500.1
50°	622.8	632.1	643.3	644.2	634.9	603.7	507.0	410.2	421.4	432.6	474.4
52.5°	579.3	589.7	602.3	604.8	596.9	568.4	477.6	386.8	393.5	400.2	445.4
55°	517.7	528.8	541.9	545.6	540.0	516.8	440.5	364.2	358.6	353.0	399.1
57.5°	453.0	465.8	480.7	485.1	479.2	456.6	384.0	311.4	306.6	301.8	351.6
60°	412.1	425.6	440.5	444.2	436.8	414.9	349.8	284.7	275.4	266.1	318.1
62.5°	371.9	385.4	400.3	402.5	392.1	369.9	312.2	254.5	248.2	241.9	292.5
65°	311.6	325.1	340.0	340.9	327.9	305.6	255.4	205.1	208.8	212.6	258.1
67.5°	252.7	266.8	283.2	283.9	269.0	247.1	203.9	160.7	173.0	185.3	226.3
70°	215.8	228.8	243.7	243.7	228.8	208.4	171.2	134.0	150.7	167.4	205.1
72.5°	179.4	193.1	209.5	209.5	193.1	173.8	145.5	117.2	134.0	150.7	181.7
75°	133.0	145.1	160.0	158.1	139.5	121.4	104.7	87.9	104.7	121.4	145.1
77.5°	89.2	99.1	111.7	109.9	93.5	79.3	71.4	63.6	77.4	91.2	107.7
80°	62.8	71.2	82.3	80.5	65.6	54.0	52.1	50.2	59.5	68.8	80.9
82.5°	42.3	48.8	57.0	55.9	45.5	37.2	35.3	33.5	41.3	49.1	57.5
85°	16.7	19.5	23.3	23.3	19.5	16.7	16.7	16.7	20.5	24.2	27.9
87.5°	6.0	7.0	8.5	8.4	6.5	4.9	4.2	3.7	5.7	7.7	9.0
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: P1435772

CATALOG NUMBER: SQ2W-FA-K-050U-075D-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: P1435772

CATALOG NUMBER: SQ2W-FA-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0	1080.0
2.5°	1060.3	1054.3	1049.9	1046.2	1044.7	1043.2	1044.7	1046.2	1049.9	1054.3	1060.3
5°	998.6	967.0	933.5	906.1	896.8	887.5	896.8	906.1	933.5	967.0	998.6
7.5°	888.4	850.3	836.1	824.8	821.8	818.8	821.8	824.8	836.1	850.3	888.4
10°	845.6	814.9	803.7	795.4	795.4	795.4	795.4	795.4	803.7	814.9	845.6
12.5°	812.1	793.3	792.6	793.9	801.3	808.8	801.3	793.9	792.6	793.3	812.1
15°	786.5	789.3	819.1	843.7	853.0	862.3	853.0	843.7	819.1	789.3	786.5
17.5°	777.7	793.7	830.5	860.0	867.5	874.9	867.5	860.0	830.5	793.7	777.7
20°	788.9	809.3	837.2	860.0	867.5	874.9	867.5	860.0	837.2	809.3	788.9
22.5°	791.5	816.4	838.3	856.7	864.1	871.6	864.1	856.7	838.3	816.4	791.5
25°	783.3	813.0	831.6	846.5	850.3	854.0	850.3	846.5	831.6	813.0	783.3
27.5°	763.6	796.3	814.9	829.5	832.1	834.7	832.1	829.5	814.9	796.3	763.6
30°	746.1	779.6	798.2	813.5	819.1	824.7	819.1	813.5	798.2	779.6	746.1
32.5°	720.8	755.0	778.1	795.6	796.8	797.9	796.8	795.6	778.1	755.0	720.8
35°	689.3	724.7	750.7	769.8	767.9	766.1	767.9	769.8	750.7	724.7	689.3
37.5°	661.6	696.2	718.9	736.5	738.7	740.9	738.7	736.5	718.9	696.2	661.6
40°	638.2	673.5	697.7	716.8	720.5	724.2	720.5	716.8	697.7	673.5	638.2
42.5°	617.3	653.4	677.6	696.7	700.4	704.1	700.4	696.7	677.6	653.4	617.3
45°	582.8	620.0	646.1	666.1	667.9	669.8	667.9	666.1	646.1	620.0	582.8
47.5°	550.7	588.1	612.3	630.9	632.8	634.6	632.8	630.9	612.3	588.1	550.7
50°	526.5	564.7	588.8	607.5	609.3	611.2	609.3	607.5	588.8	564.7	526.5
52.5°	503.5	543.1	564.3	580.7	582.5	584.4	582.5	580.7	564.3	543.1	503.5
55°	462.3	504.2	524.7	540.0	540.0	540.0	540.0	540.0	524.7	504.2	462.3
57.5°	419.7	462.7	480.6	494.5	496.8	499.0	496.8	494.5	480.6	462.7	419.7
60°	390.7	434.4	449.3	461.4	465.1	468.8	465.1	461.4	449.3	434.4	390.7
62.5°	362.1	404.3	419.2	430.9	433.1	435.4	433.1	430.9	419.2	404.3	362.1
65°	317.7	354.9	369.8	381.4	383.3	385.1	383.3	381.4	369.8	354.9	317.7
67.5°	276.9	307.4	317.9	326.1	327.5	329.0	327.5	326.1	317.9	307.4	276.9
70°	249.8	275.8	283.3	288.8	288.8	288.8	288.8	288.8	283.3	275.8	249.8
72.5°	217.4	239.0	246.4	252.4	253.9	255.4	253.9	252.4	246.4	239.0	217.4
75°	171.2	187.0	192.6	197.2	199.1	200.9	199.1	197.2	192.6	187.0	171.2
77.5°	125.2	135.6	139.0	142.0	143.8	145.7	143.8	142.0	139.0	135.6	125.2
80°	94.0	101.4	103.3	105.1	107.0	108.8	107.0	105.1	103.3	101.4	94.0
82.5°	66.0	71.3	73.1	74.6	75.0	75.4	75.0	74.6	73.1	71.3	66.0
85°	31.6	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	31.6
87.5°	9.6	10.5	11.4	11.9	12.4	12.1	12.4	11.9	11.4	10.5	9.6
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: P1435772

CATALOG NUMBER: SQ2W-FA-K-050U-075D-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: P1435772

CATALOG NUMBER: SQ2W-FA-K-050U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1080.0	1080.0	1080.0	1080.0
2.5°	1067.7	1073.3	1073.3	1073.3
5°	1028.4	1052.1	1057.7	1063.3
7.5°	950.5	1003.4	1028.3	1053.2
10°	895.8	946.1	996.3	1046.5
12.5°	848.9	894.3	965.4	1036.5
15°	810.7	848.9	928.9	1008.9
17.5°	782.5	807.1	890.8	974.5
20°	775.8	787.0	870.7	954.4
22.5°	763.6	763.2	845.4	927.6
25°	742.3	729.8	802.3	874.9
27.5°	716.7	695.8	753.1	810.4
30°	697.7	673.5	721.9	770.2
32.5°	675.4	650.1	685.0	720.0
35°	644.7	614.9	629.8	644.7
37.5°	615.1	579.0	574.2	569.3
40°	591.6	552.6	535.8	519.1
42.5°	569.3	528.8	510.5	492.3
45°	534.4	495.4	484.2	473.0
47.5°	500.1	460.1	451.9	443.7
50°	474.4	432.6	421.4	410.2
52.5°	445.4	400.2	393.5	386.8
55°	399.1	353.0	358.6	364.2
57.5°	351.6	301.8	306.6	311.4
60°	318.1	266.1	275.4	284.7
62.5°	292.5	241.9	248.2	254.5
65°	258.1	212.6	208.8	205.1
67.5°	226.3	185.3	173.0	160.7
70°	205.1	167.4	150.7	134.0
72.5°	181.7	150.7	134.0	117.2
75°	145.1	121.4	104.7	87.9
77.5°	107.7	91.2	77.4	63.6
80°	80.9	68.8	59.5	50.2
82.5°	57.5	49.1	41.3	33.5
85°	27.9	24.2	20.5	16.7
87.5°	9.0	7.7	5.7	3.7
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: P1435772

CATALOG NUMBER: SQ2W-FA-K-050U-075D-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: P1435772
 CATALOG NUMBER: SQ2W-FA-K-050U-075D-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	17.14	18.09	18.01	18.99	20.12	18.34	19.29	19.21	20.19	21.31
	3H	18.24	19.09	19.12	19.99	21.15	19.59	20.45	20.48	21.35	22.50
	4H	18.60	19.40	19.50	20.31	21.47	19.99	20.79	20.89	21.70	22.86
	6H	18.76	19.50	19.67	20.42	21.60	20.15	20.89	21.06	21.81	22.99
	8H	18.80	19.51	19.72	20.44	21.61	20.18	20.89	21.10	21.82	22.99
	12H	18.80	19.47	19.72	20.40	21.60	20.17	20.84	21.09	21.77	22.97
4H	2H	18.02	18.83	18.93	19.74	20.90	18.94	19.74	19.84	20.65	21.81
	3H	19.42	20.09	20.33	21.03	22.21	20.41	21.08	21.32	22.02	23.20
	4H	19.88	20.49	20.80	21.42	22.63	20.89	21.50	21.81	22.43	23.64
	6H	20.11	20.64	21.05	21.60	22.80	21.12	21.64	22.06	22.60	23.81
	8H	20.17	20.66	21.12	21.62	22.84	21.17	21.66	22.11	22.61	23.83
	12H	20.18	20.62	21.14	21.59	22.82	21.16	21.60	22.12	22.57	23.80
8H	4H	20.27	20.76	21.21	21.71	22.93	21.09	21.58	22.03	22.54	23.76
	6H	20.62	21.03	21.59	22.02	23.24	21.41	21.82	22.38	22.81	24.03
	8H	20.74	21.10	21.72	22.08	23.32	21.51	21.86	22.48	22.85	24.08
	12H	20.78	21.10	21.76	22.08	23.36	21.52	21.84	22.51	22.82	24.10
12H	4H	20.28	20.72	21.24	21.69	22.92	21.06	21.51	22.03	22.48	23.70
	6H	20.69	21.05	21.67	22.04	23.27	21.43	21.79	22.41	22.77	24.01
	8H	20.84	21.16	21.83	22.14	23.42	21.55	21.86	22.53	22.84	24.12