

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: P1435766

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435766
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-050D-L930-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 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

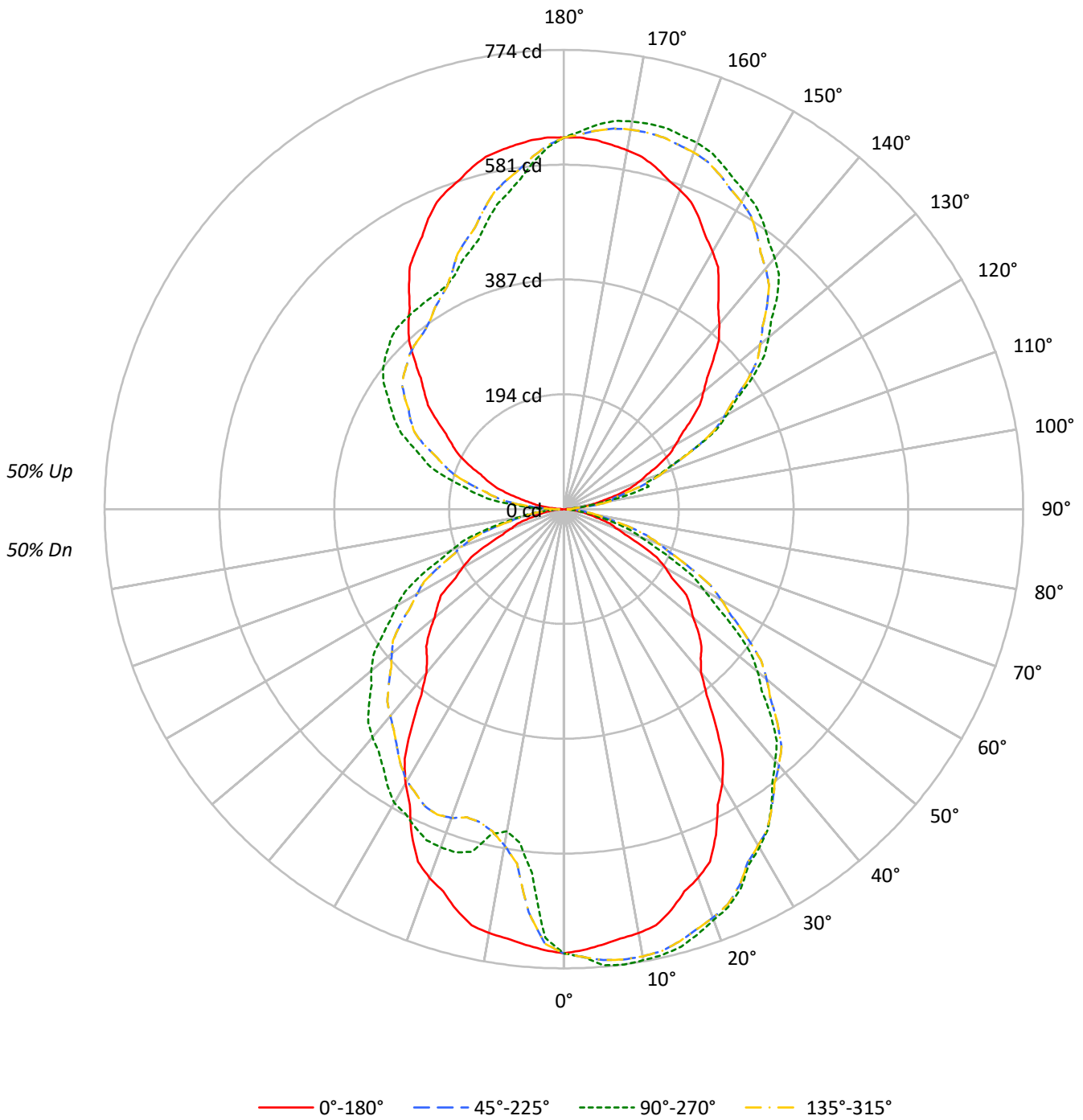
Lumens per Lamp: N/A
Luminaire Lumens: 3689.9 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.7
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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CATALOG NUMBER: SQ2W-FA-K-050U-050D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435766

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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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	57	57	57	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43				
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36				
3	81	72	65	59	75	67	60	55	57	52	48	48	44	41	39	37	34	30				
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	30	26				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	32	28	26	23				
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	29	25	23	20				
7	58	46	38	32	54	43	36	31	37	31	27	31	27	24	26	23	20	18				
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16				
9	50	38	31	25	46	36	29	24	31	25	21	26	22	19	22	19	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12088	12088	12088	12088
5°	11946	12510	11946	9971
10°	11894	12655	11894	9040
15°	11689	12757	11689	9992
20°	11367	12665	11367	10421
25°	10805	12563	10805	10546
30°	9954	12280	9954	10658
35°	8808	12011	8808	10466
40°	7583	11683	7583	10580
45°	7487	11264	7487	10601
50°	7144	10715	7144	10643
55°	7108	9883	7108	10536
60°	6371	8809	6371	10495
65°	5433	7759	5433	10200
70°	4385	6576	4385	9451
75°	3799	5433	3799	8690
80°	3236	4045	3236	7011
85°	2149	2149	2149	4298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 11618 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.8
10°-20°	188.2	5.1
20°-30°	285.9	7.7
30°-40°	335.6	9.1
40°-50°	340.6	9.2
50°-60°	298.3	8.1
60°-70°	211.6	5.7
70°-80°	108.9	3.0
80°-90°	25.4	0.7
90°-100°	49.8	1.4
100°-110°	145.3	3.9
110°-120°	237.1	6.4
120°-130°	300.9	8.2
130°-140°	322.0	8.7
140°-150°	300.7	8.1
150°-160°	247.4	6.7
160°-170°	165.9	4.5
170°-180°	58.9	1.6
0°-30°	541.4	14.7
0°-40°	877.0	23.8
0°-60°	1515.9	41.1
0°-90°	1861.9	50.5
90°-120°	432.3	11.7
90°-150°	1355.8	36.7
90°-180°	1828.0	49.5
0°-180°	3689.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	749	749	749	749	749	
5°	737	772	737	615	737	70
15°	699	763	699	598	699	196
25°	606	705	606	592	606	277
35°	447	609	447	531	447	278
45°	328	493	328	464	328	251
55°	252	351	252	374	252	218
65°	142	203	142	267	142	142
75°	61	87	61	139	61	66
85°	12	12	12	23	12	15
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°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	744.0	749.2	754.4	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6
5°	737.1	746.1	755.1	759.3	761.9	763.8	765.1	766.7	769.3	771.9	769.3
7.5°	730.1	742.2	754.4	760.3	764.2	767.3	769.6	771.6	772.9	774.2	772.9
10°	725.5	739.7	753.8	760.3	764.2	766.7	768.0	769.3	770.6	771.9	770.6
12.5°	718.5	733.7	748.9	756.4	761.3	764.4	765.7	767.0	768.3	769.6	768.3
15°	699.3	720.0	740.6	748.7	752.5	755.8	758.4	760.6	761.9	763.2	761.9
17.5°	675.6	700.6	725.6	735.7	740.9	744.6	746.9	748.9	750.0	751.0	750.0
20°	661.6	688.7	715.8	726.4	731.6	734.8	736.1	737.1	737.1	737.1	737.1
22.5°	643.1	673.2	703.4	714.8	720.0	722.7	723.0	723.4	724.4	725.5	724.4
25°	606.5	641.3	676.1	690.6	698.4	701.6	700.3	700.0	702.6	705.2	702.6
27.5°	561.8	605.7	649.5	664.3	669.5	672.7	674.0	675.0	675.0	675.0	675.0
30°	533.9	583.0	632.0	648.1	653.2	656.5	657.8	658.7	658.7	658.7	658.7
32.5°	499.1	557.4	615.7	633.4	637.5	639.7	640.0	640.2	640.2	640.2	640.2
35°	446.9	517.8	588.8	608.4	611.0	612.3	612.3	612.0	610.7	609.4	610.7
37.5°	394.7	475.1	555.6	578.6	582.5	583.5	581.7	580.0	578.8	577.5	578.8
40°	359.8	447.5	535.2	560.1	563.9	563.9	560.1	556.8	555.5	554.3	555.5
42.5°	341.3	427.9	514.6	539.2	543.0	542.5	537.6	533.6	532.3	531.0	532.3
45°	327.9	405.3	482.7	504.9	508.8	508.1	503.0	498.5	495.9	493.3	495.9
47.5°	307.6	375.7	443.8	465.7	472.1	471.5	463.7	457.3	454.7	452.1	454.7
50°	284.4	351.4	418.5	440.1	446.6	445.9	438.2	431.7	429.2	426.6	429.2
52.5°	268.1	331.1	394.0	413.8	419.2	417.5	408.8	401.6	399.0	396.4	399.0
55°	252.5	305.3	358.2	374.3	378.2	375.6	366.6	358.9	355.0	351.1	355.0
57.5°	215.9	266.2	316.5	332.2	336.3	333.2	322.9	314.0	309.7	305.3	309.7
60°	197.3	242.5	287.6	302.8	307.9	305.3	295.0	285.7	279.2	272.8	279.2
62.5°	176.4	216.4	256.4	271.8	279.0	277.5	267.2	257.8	251.4	244.9	251.4
65°	142.2	177.0	211.8	227.3	236.3	235.7	225.4	216.0	209.6	203.1	209.6
67.5°	111.4	141.4	171.3	186.5	196.8	196.3	184.9	175.1	170.0	164.8	170.0
70°	92.9	118.7	144.4	158.6	169.0	169.0	158.6	149.6	144.4	139.3	144.4
72.5°	81.3	100.9	120.5	133.9	145.2	145.2	133.9	124.3	120.2	116.1	120.2
75°	60.9	72.5	84.2	96.7	109.6	110.9	100.6	92.2	89.6	87.1	89.6
77.5°	44.1	49.5	54.9	64.8	76.2	77.4	68.7	61.8	60.8	59.8	60.8
80°	34.8	36.1	37.4	45.5	55.8	57.1	49.3	43.5	43.5	43.5	43.5
82.5°	23.2	24.5	25.8	31.5	38.8	39.5	33.9	29.3	28.3	27.3	28.3
85°	11.6	11.6	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	11.6
87.5°	2.7	3.2	3.8	5.1	6.5	6.7	5.6	5.0	5.1	5.1	5.1
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



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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°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	755.6	755.6	755.6	755.6	755.6	754.4	749.2	744.0	744.0	744.0	740.2
5°	766.7	765.1	763.8	761.9	759.3	755.1	746.1	737.1	733.2	729.3	712.9
7.5°	771.6	769.6	767.3	764.2	760.3	754.4	742.2	730.1	712.8	695.5	658.9
10°	769.3	768.0	766.7	764.2	760.3	753.8	739.7	725.5	690.6	655.8	621.0
12.5°	767.0	765.7	764.4	761.3	756.4	748.9	733.7	718.5	669.2	620.0	588.5
15°	760.6	758.4	755.8	752.5	748.7	740.6	720.0	699.3	643.9	588.4	562.0
17.5°	748.9	746.9	744.6	740.9	735.7	725.6	700.6	675.6	617.5	559.5	542.5
20°	737.1	736.1	734.8	731.6	726.4	715.8	688.7	661.6	603.6	545.5	537.8
22.5°	723.4	723.0	722.7	720.0	714.8	703.4	673.2	643.1	586.0	529.0	529.3
25°	700.0	700.3	701.6	698.4	690.6	676.1	641.3	606.5	556.2	505.9	514.6
27.5°	675.0	674.0	672.7	669.5	664.3	649.5	605.7	561.8	522.1	482.4	496.8
30°	658.7	657.8	656.5	653.2	648.1	632.0	583.0	533.9	500.4	466.9	483.6
32.5°	640.2	640.0	639.7	637.5	633.4	615.7	557.4	499.1	474.9	450.6	468.2
35°	612.0	612.3	612.3	611.0	608.4	588.8	517.8	446.9	436.6	426.3	446.9
37.5°	580.0	581.7	583.5	582.5	578.6	555.6	475.1	394.7	398.0	401.4	426.4
40°	556.8	560.1	563.9	563.9	560.1	535.2	447.5	359.8	371.4	383.0	410.1
42.5°	533.6	537.6	542.5	543.0	539.2	514.6	427.9	341.3	353.9	366.5	394.7
45°	498.5	503.0	508.1	508.8	504.9	482.7	405.3	327.9	335.6	343.4	370.5
47.5°	457.3	463.7	471.5	472.1	465.7	443.8	375.7	307.6	313.3	318.9	346.7
50°	431.7	438.2	445.9	446.6	440.1	418.5	351.4	284.4	292.1	299.9	328.9
52.5°	401.6	408.8	417.5	419.2	413.8	394.0	331.1	268.1	272.8	277.4	308.8
55°	358.9	366.6	375.6	378.2	374.3	358.2	305.3	252.5	248.6	244.7	276.6
57.5°	314.0	322.9	333.2	336.3	332.2	316.5	266.2	215.9	212.5	209.2	243.8
60°	285.7	295.0	305.3	307.9	302.8	287.6	242.5	197.3	190.9	184.4	220.5
62.5°	257.8	267.2	277.5	279.0	271.8	256.4	216.4	176.4	172.0	167.7	202.7
65°	216.0	225.4	235.7	236.3	227.3	211.8	177.0	142.2	144.8	147.4	178.9
67.5°	175.1	184.9	196.3	196.8	186.5	171.3	141.4	111.4	119.9	128.5	156.9
70°	149.6	158.6	169.0	169.0	158.6	144.4	118.7	92.9	104.5	116.1	142.2
72.5°	124.3	133.9	145.2	145.2	133.9	120.5	100.9	81.3	92.9	104.5	125.9
75°	92.2	100.6	110.9	109.6	96.7	84.2	72.5	60.9	72.5	84.2	100.6
77.5°	61.8	68.7	77.4	76.2	64.8	54.9	49.5	44.1	53.7	63.2	74.7
80°	43.5	49.3	57.1	55.8	45.5	37.4	36.1	34.8	41.3	47.7	56.1
82.5°	29.3	33.9	39.5	38.8	31.5	25.8	24.5	23.2	28.6	34.0	39.9
85°	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	14.2	16.8	19.3
87.5°	5.0	5.6	6.7	6.5	5.1	3.8	3.2	2.7	4.2	5.8	6.9
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: P1435766

CATALOG NUMBER: SQ2W-FA-K-050U-050D-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: P1435766

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	735.0	730.9	727.8	725.2	724.2	723.1	724.2	725.2	727.8	730.9	735.0
5°	692.3	670.3	647.1	628.1	621.6	615.2	621.6	628.1	647.1	670.3	692.3
7.5°	615.8	589.4	579.6	571.7	569.7	567.6	569.7	571.7	579.6	589.4	615.8
10°	586.2	564.9	557.2	551.4	551.4	551.4	551.4	551.4	557.2	564.9	586.2
12.5°	563.0	549.9	549.4	550.3	555.5	560.6	555.5	550.3	549.4	549.9	563.0
15°	545.2	547.2	567.8	584.9	591.3	597.8	591.3	584.9	567.8	547.2	545.2
17.5°	539.1	550.2	575.7	596.2	601.3	606.5	601.3	596.2	575.7	550.2	539.1
20°	546.8	561.0	580.4	596.2	601.3	606.5	601.3	596.2	580.4	561.0	546.8
22.5°	548.6	565.9	581.1	593.8	599.0	604.2	599.0	593.8	581.1	565.9	548.6
25°	543.0	563.6	576.5	586.8	589.4	592.0	589.4	586.8	576.5	563.6	543.0
27.5°	529.3	552.0	564.9	575.0	576.8	578.6	576.8	575.0	564.9	552.0	529.3
30°	517.2	540.4	553.3	563.9	567.8	571.7	567.8	563.9	553.3	540.4	517.2
32.5°	499.6	523.4	539.4	551.5	552.3	553.1	552.3	551.5	539.4	523.4	499.6
35°	477.8	502.3	520.4	533.6	532.3	531.0	532.3	533.6	520.4	502.3	477.8
37.5°	458.6	482.6	498.3	510.5	512.1	513.6	512.1	510.5	498.3	482.6	458.6
40°	442.4	466.9	483.6	496.9	499.4	502.0	499.4	496.9	483.6	466.9	442.4
42.5°	427.9	452.9	469.7	482.9	485.5	488.1	485.5	482.9	469.7	452.9	427.9
45°	404.0	429.8	447.9	461.7	463.0	464.3	463.0	461.7	447.9	429.8	404.0
47.5°	381.8	407.7	424.4	437.3	438.6	439.9	438.6	437.3	424.4	407.7	381.8
50°	365.0	391.4	408.2	421.1	422.4	423.7	422.4	421.1	408.2	391.4	365.0
52.5°	349.0	376.5	391.2	402.5	403.8	405.1	403.8	402.5	391.2	376.5	349.0
55°	320.5	349.5	363.7	374.3	374.3	374.3	374.3	374.3	363.7	349.5	320.5
57.5°	291.0	320.8	333.1	342.8	344.4	345.9	344.4	342.8	333.1	320.8	291.0
60°	270.8	301.1	311.5	319.8	322.4	325.0	322.4	319.8	311.5	301.1	270.8
62.5°	251.0	280.3	290.6	298.7	300.2	301.8	300.2	298.7	290.6	280.3	251.0
65°	220.2	246.0	256.3	264.4	265.7	267.0	265.7	264.4	256.3	246.0	220.2
67.5°	192.0	213.1	220.3	226.0	227.1	228.1	227.1	226.0	220.3	213.1	192.0
70°	173.1	191.2	196.4	200.2	200.2	200.2	200.2	200.2	196.4	191.2	173.1
72.5°	150.7	165.7	170.8	175.0	176.0	177.0	176.0	175.0	170.8	165.7	150.7
75°	118.7	129.6	133.5	136.7	138.0	139.3	138.0	136.7	133.5	129.6	118.7
77.5°	86.8	94.0	96.3	98.4	99.7	101.0	99.7	98.4	96.3	94.0	86.8
80°	65.1	70.3	71.6	72.9	74.2	75.4	74.2	72.9	71.6	70.3	65.1
82.5°	45.8	49.4	50.7	51.7	52.0	52.2	52.0	51.7	50.7	49.4	45.8
85°	21.9	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	21.9
87.5°	7.6	8.4	9.3	9.8	10.3	10.1	10.3	9.8	9.3	8.4	7.6
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: P1435766

CATALOG NUMBER: SQ2W-FA-K-050U-050D-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: P1435766

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	748.7	748.7	748.7	748.7
2.5°	740.2	744.0	744.0	744.0
5°	712.9	729.3	733.2	737.1
7.5°	658.9	695.5	712.8	730.1
10°	621.0	655.8	690.6	725.5
12.5°	588.5	620.0	669.2	718.5
15°	562.0	588.4	643.9	699.3
17.5°	542.5	559.5	617.5	675.6
20°	537.8	545.5	603.6	661.6
22.5°	529.3	529.0	586.0	643.1
25°	514.6	505.9	556.2	606.5
27.5°	496.8	482.4	522.1	561.8
30°	483.6	466.9	500.4	533.9
32.5°	468.2	450.6	474.9	499.1
35°	446.9	426.3	436.6	446.9
37.5°	426.4	401.4	398.0	394.7
40°	410.1	383.0	371.4	359.8
42.5°	394.7	366.5	353.9	341.3
45°	370.5	343.4	335.6	327.9
47.5°	346.7	318.9	313.3	307.6
50°	328.9	299.9	292.1	284.4
52.5°	308.8	277.4	272.8	268.1
55°	276.6	244.7	248.6	252.5
57.5°	243.8	209.2	212.5	215.9
60°	220.5	184.4	190.9	197.3
62.5°	202.7	167.7	172.0	176.4
65°	178.9	147.4	144.8	142.2
67.5°	156.9	128.5	119.9	111.4
70°	142.2	116.1	104.5	92.9
72.5°	125.9	104.5	92.9	81.3
75°	100.6	84.2	72.5	60.9
77.5°	74.7	63.2	53.7	44.1
80°	56.1	47.7	41.3	34.8
82.5°	39.9	34.0	28.6	23.2
85°	19.3	16.8	14.2	11.6
87.5°	6.9	5.8	4.2	2.7
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: P1435766

CATALOG NUMBER: SQ2W-FA-K-050U-050D-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: P1435766
 CATALOG NUMBER: SQ2W-FA-K-050U-050D-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	15.08	15.94	16.03	16.91	18.18	16.28	17.14	17.23	18.11	19.37
	3H	16.17	16.94	17.13	17.92	19.21	17.52	18.29	18.49	19.27	20.56
	4H	16.52	17.25	17.50	18.23	19.53	17.91	18.64	18.89	19.62	20.92
	6H	16.68	17.36	17.67	18.34	19.65	18.07	18.75	19.06	19.73	21.04
	8H	16.72	17.36	17.71	18.36	19.67	18.10	18.74	19.09	19.74	21.05
	12H	16.71	17.32	17.71	18.32	19.65	18.08	18.69	19.08	19.69	21.02
4H	2H	15.95	16.68	16.93	17.66	18.96	16.86	17.59	17.84	18.57	19.87
	3H	17.34	17.95	18.33	18.96	20.27	18.32	18.93	19.32	19.95	21.26
	4H	17.79	18.35	18.79	19.35	20.69	18.80	19.36	19.80	20.36	21.70
	6H	18.02	18.50	19.03	19.53	20.86	19.02	19.50	20.04	20.53	21.86
	8H	18.08	18.53	19.09	19.55	20.89	19.07	19.52	20.09	20.54	21.88
	12H	18.08	18.48	19.11	19.52	20.87	19.06	19.46	20.09	20.50	21.85
8H	4H	18.17	18.62	19.19	19.64	20.99	19.00	19.44	20.01	20.46	21.81
	6H	18.53	18.89	19.57	19.96	21.30	19.31	19.68	20.35	20.74	22.09
	8H	18.64	18.97	19.69	20.02	21.38	19.41	19.73	20.45	20.78	22.14
	12H	18.68	18.97	19.73	20.01	21.41	19.42	19.71	20.47	20.75	22.16
12H	4H	18.18	18.58	19.21	19.62	20.97	18.97	19.37	20.00	20.41	21.76
	6H	18.60	18.92	19.64	19.97	21.33	19.33	19.65	20.38	20.70	22.06
	8H	18.74	19.03	19.79	20.07	21.48	19.44	19.73	20.49	20.77	22.18