

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: P1435934

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

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435934  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FB-K-050U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS BATWING 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**

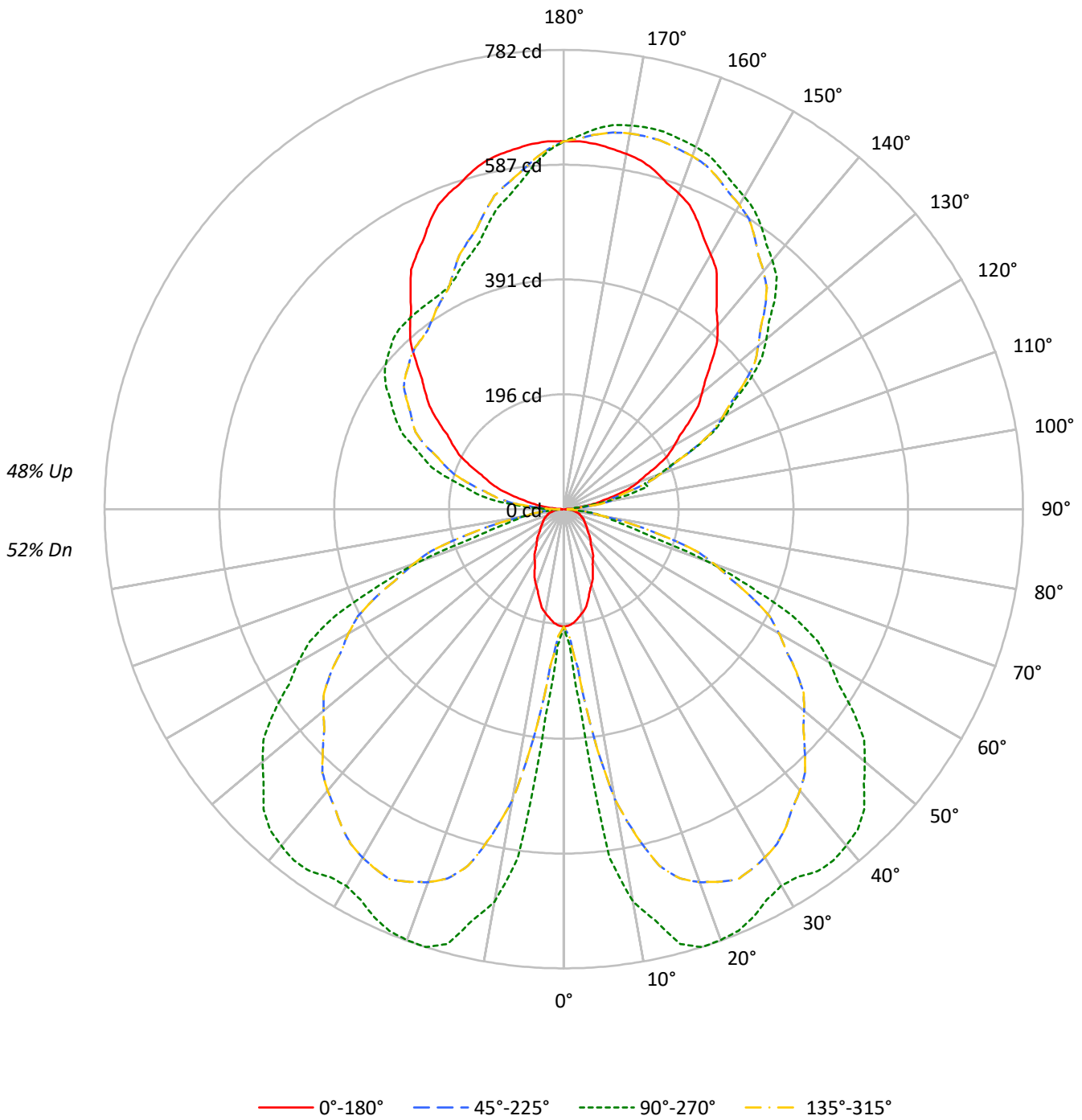
Lumens per Lamp: N/A  
Luminaire Lumens: 3806.5 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1435934

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1435934

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

**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	108	108	108	108	100	100	100	100	84	84	84	71	71	71	58	58	58	52
1	98	94	90	86	90	87	83	80	74	71	69	62	60	58	51	50	49	43
2	89	81	75	70	82	75	70	65	64	60	56	54	51	48	44	42	40	36
3	81	71	63	57	74	66	59	54	56	51	47	47	43	40	39	36	34	30
4	74	62	54	48	68	58	51	45	49	44	39	42	37	34	34	31	29	25
5	67	55	47	41	62	51	44	38	44	38	34	37	32	29	31	27	24	21
6	62	49	41	35	57	46	38	33	39	33	29	33	29	25	27	24	21	18
7	57	44	36	30	52	41	34	29	35	29	25	30	25	22	25	21	19	16
8	53	40	32	27	49	37	30	25	32	26	22	27	23	19	23	19	16	14
9	49	36	29	23	45	34	27	22	29	24	20	25	20	17	21	17	15	12
10	46	33	26	21	42	31	24	20	27	21	17	23	18	15	19	16	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	3231	3231	3231	3231
5°	3149	5721	3149	5721
10°	2949	11132	2949	11132
15°	2669	12814	2669	12814
20°	2362	13419	2362	13419
25°	2090	13639	2090	13639
30°	1848	13807	1848	13807
35°	1650	14844	1650	14844
40°	1501	15772	1501	15772
45°	1384	16515	1384	16515
50°	1304	16814	1304	16814
55°	1272	16948	1272	16948
60°	1305	16866	1305	16866
65°	1360	16389	1360	16389
70°	1407	12396	1407	12396
75°	1560	6837	1560	6837
80°	1609	6350	1609	6350
85°	1612	2668	1612	2668

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 17101 cd/sqm



TEST NUMBER: P1435934

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.5	0.9
10°-20°	152.9	4.0
20°-30°	269.1	7.1
30°-40°	348.4	9.2
40°-50°	384.2	10.1
50°-60°	358.6	9.4
60°-70°	277.0	7.3
70°-80°	127.7	3.4
80°-90°	27.0	0.7
90°-100°	49.8	1.3
100°-110°	145.3	3.8
110°-120°	237.1	6.2
120°-130°	300.9	7.9
130°-140°	322.0	8.5
140°-150°	300.7	7.9
150°-160°	247.4	6.5
160°-170°	165.9	4.4
170°-180°	58.9	1.5
0°-30°	455.6	12.0
0°-40°	803.9	21.1
0°-60°	1546.7	40.6
0°-90°	1978.4	52.0
90°-120°	432.3	11.4
90°-150°	1355.8	35.6
90°-180°	1828.0	48.0
0°-180°	3806.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	200	200	200	200	200	
5°	194	353	194	353	194	18
15°	160	767	160	767	160	45
25°	117	766	117	766	117	54
35°	84	753	84	753	84	53
45°	61	723	61	723	61	47
55°	45	602	45	602	45	41
65°	36	429	36	429	36	35
75°	25	110	25	110	25	26
85°	9	14	9	14	9	9
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	



TEST NUMBER: P1435934

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

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	198.5	202.3	206.0	210.1	214.2	218.6	223.4	227.5	229.6	231.6	229.6
5°	194.3	207.1	219.9	238.5	259.0	282.3	308.4	330.8	341.9	353.0	341.9
7.5°	186.8	212.9	238.9	294.2	359.2	426.6	496.5	554.6	576.8	599.0	576.8
10°	179.9	216.2	252.5	346.2	459.1	545.9	606.6	655.1	667.1	679.0	667.1
12.5°	172.2	221.5	270.8	386.5	524.3	614.5	657.1	692.1	704.4	716.7	704.4
15°	159.7	230.2	300.7	431.5	582.4	675.2	709.8	739.2	752.9	766.6	752.9
17.5°	146.8	240.6	334.5	468.0	614.6	705.0	739.3	766.9	774.3	781.8	774.3
20°	137.5	247.8	358.1	491.8	633.3	718.8	748.3	771.6	776.3	781.0	776.3
22.5°	129.1	252.4	375.6	509.5	646.9	726.7	749.1	767.1	772.1	777.1	772.1
25°	117.3	256.3	395.2	528.7	660.3	733.2	747.3	758.8	762.2	765.6	762.2
27.5°	106.0	252.8	399.6	531.4	658.2	726.2	735.4	743.2	746.5	749.8	746.5
30°	99.1	248.3	397.4	528.0	652.4	718.0	724.9	731.2	735.9	740.6	735.9
32.5°	92.9	242.8	392.7	521.6	643.6	707.9	714.4	721.8	732.0	742.1	732.0
35°	83.7	231.2	378.6	506.2	627.2	692.8	703.1	715.5	734.3	753.1	734.3
37.5°	75.8	216.3	356.7	483.0	604.6	676.1	697.6	718.2	736.3	754.4	736.3
40°	71.2	205.8	340.5	465.8	588.1	663.5	692.2	717.5	732.9	748.3	732.9
42.5°	66.6	194.0	321.5	445.8	569.1	647.5	680.9	709.8	725.2	740.6	725.2
45°	60.6	175.2	289.7	412.9	539.0	621.8	661.1	694.2	708.7	723.3	708.7
47.5°	55.0	154.5	254.0	377.8	509.6	596.4	638.1	672.1	682.7	693.3	682.7
50°	51.9	140.9	229.8	353.9	489.9	578.4	619.4	652.3	660.9	669.4	660.9
52.5°	48.9	127.5	206.2	330.6	470.3	559.5	598.1	629.1	636.9	644.8	636.9
55°	45.2	109.3	173.4	296.6	439.3	527.6	561.4	588.4	595.3	602.1	595.3
57.5°	41.9	93.7	145.4	264.6	406.4	491.7	520.5	543.5	549.0	554.6	549.0
60°	40.4	85.3	130.2	244.6	382.3	464.1	490.2	511.1	516.7	522.3	516.7
62.5°	38.1	77.2	116.2	224.6	356.1	433.9	457.9	477.2	482.4	487.6	482.4
65°	35.6	67.2	98.9	196.5	316.2	386.1	406.2	422.1	425.5	429.0	425.5
67.5°	32.1	59.0	85.8	170.8	275.2	333.6	346.1	353.9	347.5	341.1	347.5
70°	29.8	54.6	79.4	155.2	247.9	296.4	300.7	299.3	281.0	262.6	281.0
72.5°	28.3	50.3	72.4	138.0	218.1	253.4	244.0	228.3	193.5	158.7	193.5
75°	25.0	43.0	60.9	110.3	170.1	179.5	138.5	107.9	108.8	109.6	108.8
77.5°	20.4	33.8	47.2	77.6	113.6	120.7	99.0	82.9	83.7	84.4	83.7
80°	17.3	28.0	38.7	50.7	63.1	68.8	68.0	67.4	67.9	68.3	67.9
82.5°	14.2	22.2	30.1	37.3	44.2	48.1	49.0	49.5	48.9	48.3	48.9
85°	8.7	13.4	18.1	20.8	23.0	22.3	18.9	16.1	15.3	14.4	15.3
87.5°	3.5	5.7	8.0	7.9	6.9	6.4	6.4	6.5	6.6	6.6	6.6
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: P1435934

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

**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



TEST NUMBER: P1435934

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	227.5	223.4	218.6	214.2	210.1	206.0	202.3	198.5	202.3	206.0	210.1
5°	330.8	308.4	282.3	259.0	238.5	219.9	207.1	194.3	207.1	219.9	238.5
7.5°	554.6	496.5	426.6	359.2	294.2	238.9	212.9	186.8	212.9	238.9	294.2
10°	655.1	606.6	545.9	459.1	346.2	252.5	216.2	179.9	216.2	252.5	346.2
12.5°	692.1	657.1	614.5	524.3	386.5	270.8	221.5	172.2	221.5	270.8	386.5
15°	739.2	709.8	675.2	582.4	431.5	300.7	230.2	159.7	230.2	300.7	431.5
17.5°	766.9	739.3	705.0	614.6	468.0	334.5	240.6	146.8	240.6	334.5	468.0
20°	771.6	748.3	718.8	633.3	491.8	358.1	247.8	137.5	247.8	358.1	491.8
22.5°	767.1	749.1	726.7	646.9	509.5	375.6	252.4	129.1	252.4	375.6	509.5
25°	758.8	747.3	733.2	660.3	528.7	395.2	256.3	117.3	256.3	395.2	528.7
27.5°	743.2	735.4	726.2	658.2	531.4	399.6	252.8	106.0	252.8	399.6	531.4
30°	731.2	724.9	718.0	652.4	528.0	397.4	248.3	99.1	248.3	397.4	528.0
32.5°	721.8	714.4	707.9	643.6	521.6	392.7	242.8	92.9	242.8	392.7	521.6
35°	715.5	703.1	692.8	627.2	506.2	378.6	231.2	83.7	231.2	378.6	506.2
37.5°	718.2	697.6	676.1	604.6	483.0	356.7	216.3	75.8	216.3	356.7	483.0
40°	717.5	692.2	663.5	588.1	465.8	340.5	205.8	71.2	205.8	340.5	465.8
42.5°	709.8	680.9	647.5	569.1	445.8	321.5	194.0	66.6	194.0	321.5	445.8
45°	694.2	661.1	621.8	539.0	412.9	289.7	175.2	60.6	175.2	289.7	412.9
47.5°	672.1	638.1	596.4	509.6	377.8	254.0	154.5	55.0	154.5	254.0	377.8
50°	652.3	619.4	578.4	489.9	353.9	229.8	140.9	51.9	140.9	229.8	353.9
52.5°	629.1	598.1	559.5	470.3	330.6	206.2	127.5	48.9	127.5	206.2	330.6
55°	588.4	561.4	527.6	439.3	296.6	173.4	109.3	45.2	109.3	173.4	296.6
57.5°	543.5	520.5	491.7	406.4	264.6	145.4	93.7	41.9	93.7	145.4	264.6
60°	511.1	490.2	464.1	382.3	244.6	130.2	85.3	40.4	85.3	130.2	244.6
62.5°	477.2	457.9	433.9	356.1	224.6	116.2	77.2	38.1	77.2	116.2	224.6
65°	422.1	406.2	386.1	316.2	196.5	98.9	67.2	35.6	67.2	98.9	196.5
67.5°	353.9	346.1	333.6	275.2	170.8	85.8	59.0	32.1	59.0	85.8	170.8
70°	299.3	300.7	296.4	247.9	155.2	79.4	54.6	29.8	54.6	79.4	155.2
72.5°	228.3	244.0	253.4	218.1	138.0	72.4	50.3	28.3	50.3	72.4	138.0
75°	107.9	138.5	179.5	170.1	110.3	60.9	43.0	25.0	43.0	60.9	110.3
77.5°	82.9	99.0	120.7	113.6	77.6	47.2	33.8	20.4	33.8	47.2	77.6
80°	67.4	68.0	68.8	63.1	50.7	38.7	28.0	17.3	28.0	38.7	50.7
82.5°	49.5	49.0	48.1	44.2	37.3	30.1	22.2	14.2	22.2	30.1	37.3
85°	16.1	18.9	22.3	23.0	20.8	18.1	13.4	8.7	13.4	18.1	20.8
87.5°	6.5	6.4	6.4	6.9	7.9	8.0	5.7	3.5	5.7	7.9	8.2
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: P1435934

CATALOG NUMBER: SQ2W-FB-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: P1435934

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	214.2	218.6	223.4	227.5	229.6	231.6	229.6	227.5	223.4	218.6	214.2
5°	259.0	282.3	308.4	330.8	341.9	353.0	341.9	330.8	308.4	282.3	259.0
7.5°	359.2	426.6	496.5	554.6	576.8	599.0	576.8	554.6	496.5	426.6	359.2
10°	459.1	545.9	606.6	655.1	667.1	679.0	667.1	655.1	606.6	545.9	459.1
12.5°	524.3	614.5	657.1	692.1	704.4	716.7	704.4	692.1	657.1	614.5	524.3
15°	582.4	675.2	709.8	739.2	752.9	766.6	752.9	739.2	709.8	675.2	582.4
17.5°	614.6	705.0	739.3	766.9	774.3	781.8	774.3	766.9	739.3	705.0	614.6
20°	633.3	718.8	748.3	771.6	776.3	781.0	776.3	771.6	748.3	718.8	633.3
22.5°	646.9	726.7	749.1	767.1	772.1	777.1	772.1	767.1	749.1	726.7	646.9
25°	660.3	733.2	747.3	758.8	762.2	765.6	762.2	758.8	747.3	733.2	660.3
27.5°	658.2	726.2	735.4	743.2	746.5	749.8	746.5	743.2	735.4	726.2	658.2
30°	652.4	718.0	724.9	731.2	735.9	740.6	735.9	731.2	724.9	718.0	652.4
32.5°	643.6	707.9	714.4	721.8	732.0	742.1	732.0	721.8	714.4	707.9	643.6
35°	627.2	692.8	703.1	715.5	734.3	753.1	734.3	715.5	703.1	692.8	627.2
37.5°	604.6	676.1	697.6	718.2	736.3	754.4	736.3	718.2	697.6	676.1	604.6
40°	588.1	663.5	692.2	717.5	732.9	748.3	732.9	717.5	692.2	663.5	588.1
42.5°	569.1	647.5	680.9	709.8	725.2	740.6	725.2	709.8	680.9	647.5	569.1
45°	539.0	621.8	661.1	694.2	708.7	723.3	708.7	694.2	661.1	621.8	539.0
47.5°	509.6	596.4	638.1	672.1	682.7	693.3	682.7	672.1	638.1	596.4	509.6
50°	489.9	578.4	619.4	652.3	660.9	669.4	660.9	652.3	619.4	578.4	489.9
52.5°	470.3	559.5	598.1	629.1	636.9	644.8	636.9	629.1	598.1	559.5	470.3
55°	439.3	527.6	561.4	588.4	595.3	602.1	595.3	588.4	561.4	527.6	439.3
57.5°	406.4	491.7	520.5	543.5	549.0	554.6	549.0	543.5	520.5	491.7	406.4
60°	382.3	464.1	490.2	511.1	516.7	522.3	516.7	511.1	490.2	464.1	382.3
62.5°	356.1	433.9	457.9	477.2	482.4	487.6	482.4	477.2	457.9	433.9	356.1
65°	316.2	386.1	406.2	422.1	425.5	429.0	425.5	422.1	406.2	386.1	316.2
67.5°	275.2	333.6	346.1	353.9	347.5	341.1	347.5	353.9	346.1	333.6	275.2
70°	247.9	296.4	300.7	299.3	281.0	262.6	281.0	299.3	300.7	296.4	247.9
72.5°	218.1	253.4	244.0	228.3	193.5	158.7	193.5	228.3	244.0	253.4	218.1
75°	170.1	179.5	138.5	107.9	108.8	109.6	108.8	107.9	138.5	179.5	170.1
77.5°	113.6	120.7	99.0	82.9	83.7	84.4	83.7	82.9	99.0	120.7	113.6
80°	63.1	68.8	68.0	67.4	67.9	68.3	67.9	67.4	68.0	68.8	63.1
82.5°	44.2	48.1	49.0	49.5	48.9	48.3	48.9	49.5	49.0	48.1	44.2
85°	23.0	22.3	18.9	16.1	15.3	14.4	15.3	16.1	18.9	22.3	23.0
87.5°	7.4	7.6	8.5	9.0	9.5	9.3	9.5	9.0	8.5	7.6	7.4
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: P1435934

CATALOG NUMBER: SQ2W-FB-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: P1435934

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	200.1	200.1	200.1	200.1
2.5°	210.1	206.0	202.3	198.5
5°	238.5	219.9	207.1	194.3
7.5°	294.2	238.9	212.9	186.8
10°	346.2	252.5	216.2	179.9
12.5°	386.5	270.8	221.5	172.2
15°	431.5	300.7	230.2	159.7
17.5°	468.0	334.5	240.6	146.8
20°	491.8	358.1	247.8	137.5
22.5°	509.5	375.6	252.4	129.1
25°	528.7	395.2	256.3	117.3
27.5°	531.4	399.6	252.8	106.0
30°	528.0	397.4	248.3	99.1
32.5°	521.6	392.7	242.8	92.9
35°	506.2	378.6	231.2	83.7
37.5°	483.0	356.7	216.3	75.8
40°	465.8	340.5	205.8	71.2
42.5°	445.8	321.5	194.0	66.6
45°	412.9	289.7	175.2	60.6
47.5°	377.8	254.0	154.5	55.0
50°	353.9	229.8	140.9	51.9
52.5°	330.6	206.2	127.5	48.9
55°	296.6	173.4	109.3	45.2
57.5°	264.6	145.4	93.7	41.9
60°	244.6	130.2	85.3	40.4
62.5°	224.6	116.2	77.2	38.1
65°	196.5	98.9	67.2	35.6
67.5°	170.8	85.8	59.0	32.1
70°	155.2	79.4	54.6	29.8
72.5°	138.0	72.4	50.3	28.3
75°	110.3	60.9	43.0	25.0
77.5°	77.6	47.2	33.8	20.4
80°	50.7	38.7	28.0	17.3
82.5°	37.3	30.1	22.2	14.2
85°	20.8	18.1	13.4	8.7
87.5°	8.2	7.9	5.7	3.5
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: P1435934

CATALOG NUMBER: SQ2W-FB-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: P1435934  
 CATALOG NUMBER: SQ2W-FB-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	10.43	11.34	11.36	12.29	13.53	20.02	20.93	20.96	21.89	23.13
	3H	11.37	12.18	12.32	13.15	14.41	21.63	22.45	22.58	23.41	24.68
	4H	11.77	12.54	12.73	13.51	14.78	21.81	22.58	22.77	23.55	24.82
	6H	12.03	12.74	13.00	13.71	15.00	21.89	22.60	22.86	23.58	24.86
	8H	12.12	12.80	13.10	13.79	15.07	21.91	22.59	22.89	23.58	24.86
	12H	12.17	12.82	13.16	13.80	15.11	21.89	22.53	22.87	23.52	24.83
4H	2H	15.15	15.92	16.12	16.89	18.16	20.40	21.17	21.36	22.14	23.41
	3H	16.29	16.93	17.26	17.93	19.21	22.29	22.93	23.26	23.93	25.22
	4H	16.57	17.16	17.56	18.15	19.46	22.51	23.10	23.50	24.09	25.40
	6H	16.71	17.21	17.71	18.23	19.54	22.65	23.15	23.64	24.17	25.48
	8H	16.75	17.22	17.75	18.23	19.55	22.69	23.16	23.69	24.17	25.50
	12H	16.75	17.18	17.77	18.20	19.53	22.68	23.10	23.70	24.13	25.46
8H	4H	17.77	18.24	18.77	19.25	20.57	22.61	23.08	23.61	24.09	25.41
	6H	18.03	18.42	19.05	19.47	20.79	22.81	23.19	23.83	24.25	25.57
	8H	18.13	18.47	19.16	19.51	20.85	22.90	23.24	23.93	24.28	25.62
	12H	18.17	18.47	19.21	19.50	20.89	22.90	23.21	23.94	24.24	25.62
12H	4H	17.79	18.22	18.81	19.24	20.57	22.56	22.99	23.58	24.01	25.34
	6H	18.13	18.48	19.17	19.52	20.86	22.79	23.13	23.82	24.17	25.51
	8H	18.27	18.58	19.31	19.61	20.99	22.89	23.19	23.93	24.22	25.61