

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: P1428038

Luminaire Tested: SQ2W-PP3-K-050U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428038  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-050U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM 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**

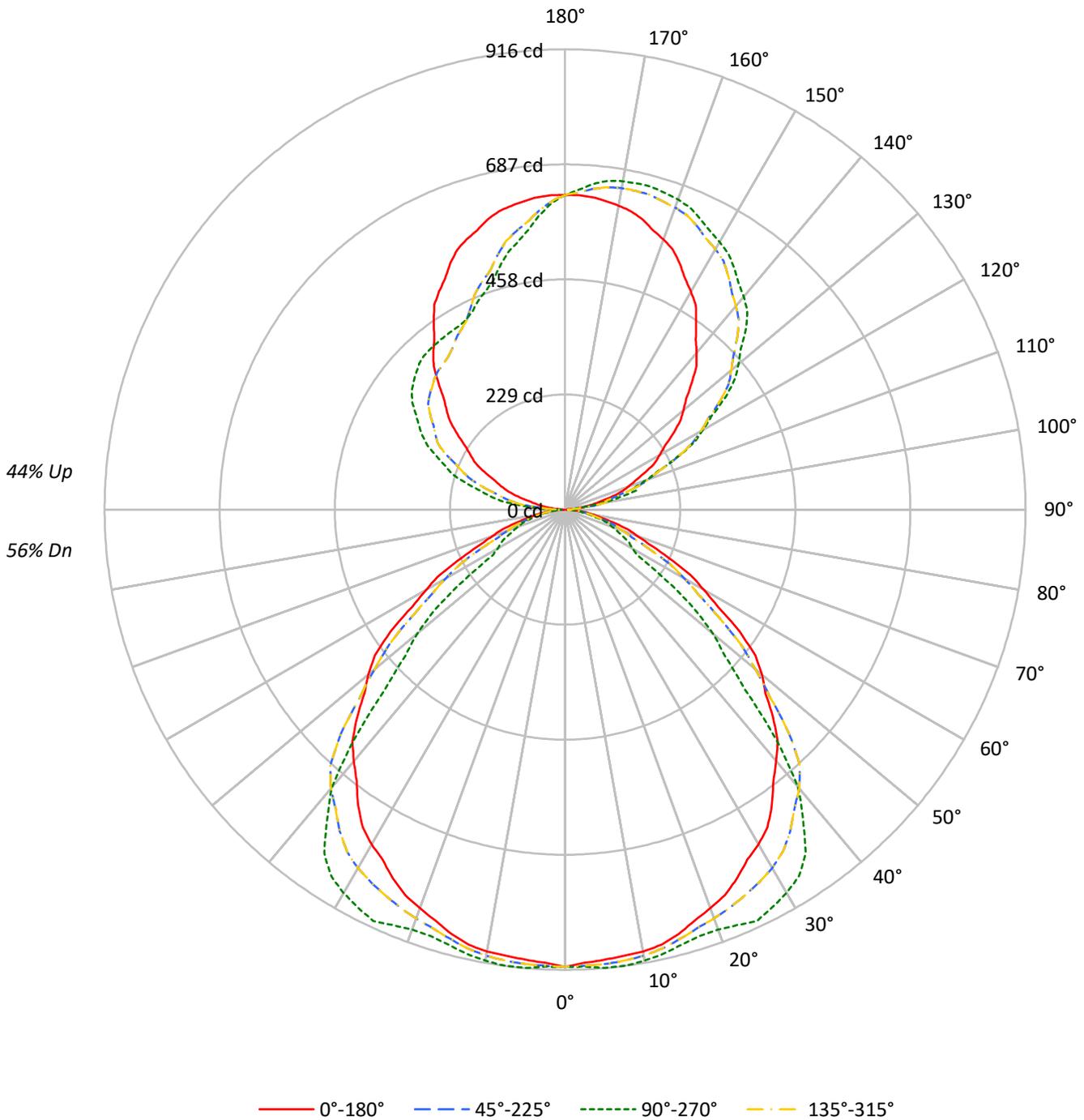
Lumens per Lamp: N/A  
Luminaire Lumens: 4122.1 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.7  
Input Voltage (V): 120  
Input Current (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: P1428038

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L930-UNV-STD-W-WM-4

### 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	50	30	10	0	
RCR																						
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56				
1	100	96	92	89	93	89	86	83	77	74	72	66	64	62	55	54	53	48				
2	91	84	78	73	85	78	73	69	68	64	61	58	55	53	49	47	45	41				
3	84	74	67	62	77	69	63	58	60	56	52	52	48	45	44	41	39	35				
4	77	66	58	52	71	62	55	50	54	49	44	47	42	39	40	37	34	31				
5	70	59	51	45	65	55	48	43	48	43	39	42	38	34	36	33	30	27				
6	65	53	45	39	60	50	43	38	44	38	34	38	34	30	33	29	27	24				
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21				
8	56	44	36	31	52	41	34	29	36	31	27	32	27	24	27	24	21	19				
9	52	40	32	27	48	38	31	26	33	28	24	29	25	22	25	22	19	17				
10	49	37	29	25	45	35	28	24	31	25	22	27	23	19	23	20	17	16				

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

	0°	90°	180°	270°
0°	14691	14691	14691	14691
5°	14575	14839	14575	14839
10°	14649	14949	14649	14949
15°	14614	14983	14614	14983
20°	14510	15287	14510	15287
25°	14426	16088	14426	16088
30°	14344	16425	14344	16425
35°	14142	16454	14142	16454
40°	13765	15205	13765	15205
45°	13353	11574	13353	11574
50°	12828	9640	12828	9640
55°	11941	6930	11941	6930
60°	10281	4970	10281	4970
65°	8672	4886	8672	4886
70°	7218	4678	7218	4678
75°	6120	4379	6120	4379
80°	5188	3933	5188	3933
85°	4094	2130	4094	2130

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 14606 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.6	2.1
10°-20°	250.7	6.1
20°-30°	392.8	9.5
30°-40°	484.6	11.8
40°-50°	456.2	11.1
50°-60°	323.0	7.8
60°-70°	184.1	4.5
70°-80°	91.1	2.2
80°-90°	24.9	0.6
90°-100°	49.8	1.2
100°-110°	145.3	3.5
110°-120°	237.1	5.8
120°-130°	300.9	7.3
130°-140°	322.0	7.8
140°-150°	300.7	7.3
150°-160°	247.4	6.0
160°-170°	165.9	4.0
170°-180°	58.9	1.4
0°-30°	730.2	17.7
0°-40°	1214.8	29.5
0°-60°	1994.0	48.4
0°-90°	2294.1	55.7
90°-120°	432.3	10.5
90°-150°	1355.8	32.9
90°-180°	1828.0	44.3
0°-180°	4122.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	910	910	910	910	910	
5°	899	916	899	916	899	86
15°	874	896	874	896	874	246
25°	810	903	810	903	810	373
35°	718	835	718	835	718	447
45°	585	507	585	507	585	450
55°	424	246	424	246	424	374
65°	227	128	227	128	227	228
75°	98	70	98	70	98	106
85°	22	12	22	12	22	26
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°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	902.9	908.8	914.6	913.2	909.4	907.9	908.6	909.3	910.0	910.6	910.0
5°	899.3	906.6	913.8	912.8	908.9	907.4	908.3	909.7	912.6	915.6	912.6
7.5°	895.8	903.3	910.7	909.7	906.0	904.8	906.3	908.3	912.0	915.6	912.0
10°	893.5	899.9	906.3	905.4	902.0	901.3	903.5	905.8	908.8	911.8	908.8
12.5°	886.6	892.7	898.7	897.9	894.9	894.7	897.6	900.3	903.0	905.6	903.0
15°	874.3	879.8	885.4	885.5	883.8	884.9	888.7	892.1	894.3	896.4	894.3
17.5°	857.5	864.3	871.1	872.6	872.4	875.1	880.6	885.2	887.4	889.7	887.4
20°	844.5	852.6	860.7	863.4	864.2	868.1	874.9	881.1	885.4	889.7	885.4
22.5°	830.6	840.1	849.6	853.1	854.7	860.6	870.8	880.4	887.7	895.1	887.7
25°	809.8	819.2	828.6	835.5	841.5	851.9	866.9	880.9	892.0	903.1	892.0
27.5°	785.6	794.9	804.2	816.0	828.6	843.3	860.1	874.9	883.7	892.6	883.7
30°	769.4	778.4	787.4	800.9	815.8	832.1	849.6	864.8	872.9	881.0	872.9
32.5°	749.4	758.8	768.1	782.4	798.4	815.8	834.7	850.7	858.2	865.6	858.2
35°	717.5	726.5	735.5	752.1	771.4	790.8	810.5	826.3	830.6	834.8	830.6
37.5°	680.8	690.9	701.1	719.8	741.4	757.6	768.7	777.0	777.3	777.5	777.3
40°	653.1	666.3	679.6	698.3	718.8	730.1	732.3	732.5	726.9	721.4	726.9
42.5°	626.1	643.1	660.2	675.2	689.6	692.5	684.0	671.5	646.8	622.1	646.8
45°	584.8	604.9	625.0	634.2	639.7	620.9	577.7	541.1	524.0	506.9	524.0
47.5°	540.7	560.6	580.4	577.9	567.8	539.4	492.4	454.3	442.5	430.7	442.5
50°	510.7	529.5	548.3	534.8	510.4	478.3	438.6	406.0	394.9	383.8	394.9
52.5°	476.9	493.6	510.4	489.9	457.0	423.2	388.6	358.4	341.4	324.5	341.4
55°	424.2	435.7	447.2	424.8	391.0	353.8	313.2	278.7	262.5	246.2	262.5
57.5°	360.7	368.8	376.9	359.3	333.0	296.0	248.3	208.0	189.8	171.6	189.8
60°	318.4	324.8	331.2	315.2	291.6	256.4	209.4	171.8	162.9	153.9	162.9
62.5°	279.9	285.6	291.3	274.6	250.4	218.9	180.1	150.2	147.0	143.9	147.0
65°	227.0	232.5	238.1	220.6	195.4	170.8	146.8	128.8	128.3	127.9	128.3
67.5°	180.6	186.7	192.8	176.3	152.2	134.1	121.8	112.4	111.9	111.4	111.9
70°	152.9	159.3	165.8	150.4	127.7	113.0	106.1	100.8	99.9	99.1	99.9
72.5°	129.8	135.9	142.0	128.6	108.6	96.5	92.0	88.6	88.0	87.5	88.0
75°	98.1	102.8	107.5	97.8	83.2	74.9	72.8	71.1	70.6	70.2	70.6
77.5°	71.2	74.2	77.2	70.8	61.3	56.0	54.9	53.9	53.5	53.1	53.5
80°	55.8	57.1	58.3	53.9	47.4	44.0	43.6	43.2	42.7	42.3	42.7
82.5°	41.9	41.5	41.1	38.5	35.1	33.3	32.8	32.3	31.5	30.8	31.5
85°	22.1	21.3	20.4	19.6	18.7	17.4	15.7	14.1	12.8	11.5	12.8
87.5°	7.3	7.8	8.4	7.7	6.3	5.4	5.1	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°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	909.3	908.6	907.9	909.4	913.2	914.6	908.8	902.9	908.8	914.6	913.2
5°	909.7	908.3	907.4	908.9	912.8	913.8	906.6	899.3	906.6	913.8	912.8
7.5°	908.3	906.3	904.8	906.0	909.7	910.7	903.3	895.8	903.3	910.7	909.7
10°	905.8	903.5	901.3	902.0	905.4	906.3	899.9	893.5	899.9	906.3	905.4
12.5°	900.3	897.6	894.7	894.9	897.9	898.7	892.7	886.6	892.7	898.7	897.9
15°	892.1	888.7	884.9	883.8	885.5	885.4	879.8	874.3	879.8	885.4	885.5
17.5°	885.2	880.6	875.1	872.4	872.6	871.1	864.3	857.5	864.3	871.1	872.6
20°	881.1	874.9	868.1	864.2	863.4	860.7	852.6	844.5	852.6	860.7	863.4
22.5°	880.4	870.8	860.6	854.7	853.1	849.6	840.1	830.6	840.1	849.6	853.1
25°	880.9	866.9	851.9	841.5	835.5	828.6	819.2	809.8	819.2	828.6	835.5
27.5°	874.9	860.1	843.3	828.6	816.0	804.2	794.9	785.6	794.9	804.2	816.0
30°	864.8	849.6	832.1	815.8	800.9	787.4	778.4	769.4	778.4	787.4	800.9
32.5°	850.7	834.7	815.8	798.4	782.4	768.1	758.8	749.4	758.8	768.1	782.4
35°	826.3	810.5	790.8	771.4	752.1	735.5	726.5	717.5	726.5	735.5	752.1
37.5°	777.0	768.7	757.6	741.4	719.8	701.1	690.9	680.8	690.9	701.1	719.8
40°	732.5	732.3	730.1	718.8	698.3	679.6	666.3	653.1	666.3	679.6	698.3
42.5°	671.5	684.0	692.5	689.6	675.2	660.2	643.1	626.1	643.1	660.2	675.2
45°	541.1	577.7	620.9	639.7	634.2	625.0	604.9	584.8	604.9	625.0	634.2
47.5°	454.3	492.4	539.4	567.8	577.9	580.4	560.6	540.7	560.6	580.4	577.9
50°	406.0	438.6	478.3	510.4	534.8	548.3	529.5	510.7	529.5	548.3	534.8
52.5°	358.4	388.6	423.2	457.0	489.9	510.4	493.6	476.9	493.6	510.4	489.9
55°	278.7	313.2	353.8	391.0	424.8	447.2	435.7	424.2	435.7	447.2	424.8
57.5°	208.0	248.3	296.0	333.0	359.3	376.9	368.8	360.7	368.8	376.9	359.3
60°	171.8	209.4	256.4	291.6	315.2	331.2	324.8	318.4	324.8	331.2	315.2
62.5°	150.2	180.1	218.9	250.4	274.6	291.3	285.6	279.9	285.6	291.3	274.6
65°	128.8	146.8	170.8	195.4	220.6	238.1	232.5	227.0	232.5	238.1	220.6
67.5°	112.4	121.8	134.1	152.2	176.3	192.8	186.7	180.6	186.7	192.8	176.3
70°	100.8	106.1	113.0	127.7	150.4	165.8	159.3	152.9	159.3	165.8	150.4
72.5°	88.6	92.0	96.5	108.6	128.6	142.0	135.9	129.8	135.9	142.0	128.6
75°	71.1	72.8	74.9	83.2	97.8	107.5	102.8	98.1	102.8	107.5	97.8
77.5°	53.9	54.9	56.0	61.3	70.8	77.2	74.2	71.2	74.2	77.2	70.8
80°	43.2	43.6	44.0	47.4	53.9	58.3	57.1	55.8	57.1	58.3	53.9
82.5°	32.3	32.8	33.3	35.1	38.5	41.1	41.5	41.9	41.5	41.1	38.5
85°	14.1	15.7	17.4	18.7	19.6	20.4	21.3	22.1	21.3	20.4	19.6
87.5°	5.0	5.1	5.4	6.3	7.7	8.4	7.8	7.3	7.8	8.3	7.9
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: P1428038

CATALOG NUMBER: SQ2W-PP3-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: P1428038

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	909.4	907.9	908.6	909.3	910.0	910.6	910.0	909.3	908.6	907.9	909.4
5°	908.9	907.4	908.3	909.7	912.6	915.6	912.6	909.7	908.3	907.4	908.9
7.5°	906.0	904.8	906.3	908.3	912.0	915.6	912.0	908.3	906.3	904.8	906.0
10°	902.0	901.3	903.5	905.8	908.8	911.8	908.8	905.8	903.5	901.3	902.0
12.5°	894.9	894.7	897.6	900.3	903.0	905.6	903.0	900.3	897.6	894.7	894.9
15°	883.8	884.9	888.7	892.1	894.3	896.4	894.3	892.1	888.7	884.9	883.8
17.5°	872.4	875.1	880.6	885.2	887.4	889.7	887.4	885.2	880.6	875.1	872.4
20°	864.2	868.1	874.9	881.1	885.4	889.7	885.4	881.1	874.9	868.1	864.2
22.5°	854.7	860.6	870.8	880.4	887.7	895.1	887.7	880.4	870.8	860.6	854.7
25°	841.5	851.9	866.9	880.9	892.0	903.1	892.0	880.9	866.9	851.9	841.5
27.5°	828.6	843.3	860.1	874.9	883.7	892.6	883.7	874.9	860.1	843.3	828.6
30°	815.8	832.1	849.6	864.8	872.9	881.0	872.9	864.8	849.6	832.1	815.8
32.5°	798.4	815.8	834.7	850.7	858.2	865.6	858.2	850.7	834.7	815.8	798.4
35°	771.4	790.8	810.5	826.3	830.6	834.8	830.6	826.3	810.5	790.8	771.4
37.5°	741.4	757.6	768.7	777.0	777.3	777.5	777.3	777.0	768.7	757.6	741.4
40°	718.8	730.1	732.3	732.5	726.9	721.4	726.9	732.5	732.3	730.1	718.8
42.5°	689.6	692.5	684.0	671.5	646.8	622.1	646.8	671.5	684.0	692.5	689.6
45°	639.7	620.9	577.7	541.1	524.0	506.9	524.0	541.1	577.7	620.9	639.7
47.5°	567.8	539.4	492.4	454.3	442.5	430.7	442.5	454.3	492.4	539.4	567.8
50°	510.4	478.3	438.6	406.0	394.9	383.8	394.9	406.0	438.6	478.3	510.4
52.5°	457.0	423.2	388.6	358.4	341.4	324.5	341.4	358.4	388.6	423.2	457.0
55°	391.0	353.8	313.2	278.7	262.5	246.2	262.5	278.7	313.2	353.8	391.0
57.5°	333.0	296.0	248.3	208.0	189.8	171.6	189.8	208.0	248.3	296.0	333.0
60°	291.6	256.4	209.4	171.8	162.9	153.9	162.9	171.8	209.4	256.4	291.6
62.5°	250.4	218.9	180.1	150.2	147.0	143.9	147.0	150.2	180.1	218.9	250.4
65°	195.4	170.8	146.8	128.8	128.3	127.9	128.3	128.8	146.8	170.8	195.4
67.5°	152.2	134.1	121.8	112.4	111.9	111.4	111.9	112.4	121.8	134.1	152.2
70°	127.7	113.0	106.1	100.8	99.9	99.1	99.9	100.8	106.1	113.0	127.7
72.5°	108.6	96.5	92.0	88.6	88.0	87.5	88.0	88.6	92.0	96.5	108.6
75°	83.2	74.9	72.8	71.1	70.6	70.2	70.6	71.1	72.8	74.9	83.2
77.5°	61.3	56.0	54.9	53.9	53.5	53.1	53.5	53.9	54.9	56.0	61.3
80°	47.4	44.0	43.6	43.2	42.7	42.3	42.7	43.2	43.6	44.0	47.4
82.5°	35.1	33.3	32.8	32.3	31.5	30.8	31.5	32.3	32.8	33.3	35.1
85°	18.7	17.4	15.7	14.1	12.8	11.5	12.8	14.1	15.7	17.4	18.7
87.5°	6.8	6.7	7.2	7.5	8.0	7.7	8.0	7.5	7.2	6.7	6.8
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: P1428038

CATALOG NUMBER: SQ2W-PP3-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: P1428038

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	909.9	909.9	909.9	909.9
2.5°	913.2	914.6	908.8	902.9
5°	912.8	913.8	906.6	899.3
7.5°	909.7	910.7	903.3	895.8
10°	905.4	906.3	899.9	893.5
12.5°	897.9	898.7	892.7	886.6
15°	885.5	885.4	879.8	874.3
17.5°	872.6	871.1	864.3	857.5
20°	863.4	860.7	852.6	844.5
22.5°	853.1	849.6	840.1	830.6
25°	835.5	828.6	819.2	809.8
27.5°	816.0	804.2	794.9	785.6
30°	800.9	787.4	778.4	769.4
32.5°	782.4	768.1	758.8	749.4
35°	752.1	735.5	726.5	717.5
37.5°	719.8	701.1	690.9	680.8
40°	698.3	679.6	666.3	653.1
42.5°	675.2	660.2	643.1	626.1
45°	634.2	625.0	604.9	584.8
47.5°	577.9	580.4	560.6	540.7
50°	534.8	548.3	529.5	510.7
52.5°	489.9	510.4	493.6	476.9
55°	424.8	447.2	435.7	424.2
57.5°	359.3	376.9	368.8	360.7
60°	315.2	331.2	324.8	318.4
62.5°	274.6	291.3	285.6	279.9
65°	220.6	238.1	232.5	227.0
67.5°	176.3	192.8	186.7	180.6
70°	150.4	165.8	159.3	152.9
72.5°	128.6	142.0	135.9	129.8
75°	97.8	107.5	102.8	98.1
77.5°	70.8	77.2	74.2	71.2
80°	53.9	58.3	57.1	55.8
82.5°	38.5	41.1	41.5	41.9
85°	19.6	20.4	21.3	22.1
87.5°	7.9	8.3	7.8	7.3
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: P1428038

CATALOG NUMBER: SQ2W-PP3-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: P1428038  
 CATALOG NUMBER: SQ2W-PP3-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	17.30	18.18	18.22	19.11	20.30	13.07	13.95	13.99	14.88	16.07
	3H	18.36	19.15	19.29	20.09	21.30	14.38	15.17	15.31	16.11	17.32
	4H	18.73	19.47	19.68	20.42	21.64	14.94	15.68	15.88	16.62	17.85
	6H	18.93	19.61	19.88	20.56	21.80	15.31	15.99	16.26	16.94	18.17
	8H	18.99	19.64	19.95	20.60	21.84	15.44	16.08	16.40	17.05	18.28
	12H	19.01	19.63	19.98	20.59	21.85	15.47	16.09	16.44	17.05	18.31
4H	2H	17.42	18.16	18.37	19.11	20.33	13.98	14.73	14.93	15.67	16.89
	3H	18.72	19.33	19.68	20.31	21.54	15.41	16.02	16.37	17.00	18.24
	4H	19.23	19.79	20.19	20.75	22.02	16.03	16.59	17.00	17.56	18.82
	6H	19.54	20.02	20.52	21.02	22.28	16.48	16.96	17.46	17.95	19.21
	8H	19.65	20.10	20.63	21.09	22.36	16.65	17.10	17.63	18.08	19.36
	12H	19.70	20.10	20.70	21.10	22.39	16.70	17.10	17.70	18.10	19.38
8H	4H	19.25	19.70	20.23	20.68	21.96	16.34	16.79	17.32	17.77	19.05
	6H	19.66	20.03	20.67	21.06	22.33	16.90	17.27	17.91	18.30	19.57
	8H	19.84	20.17	20.86	21.18	22.48	17.15	17.48	18.16	18.49	19.78
	12H	19.94	20.23	20.96	21.24	22.58	17.25	17.54	18.27	18.55	19.89
12H	4H	19.21	19.61	20.21	20.61	21.90	16.35	16.76	17.35	17.76	19.04
	6H	19.65	19.98	20.67	21.00	22.29	16.97	17.29	17.98	18.31	19.60
	8H	19.85	20.14	20.87	21.15	22.49	17.24	17.53	18.26	18.54	19.88