

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: P1428601

Luminaire Tested: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428601
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

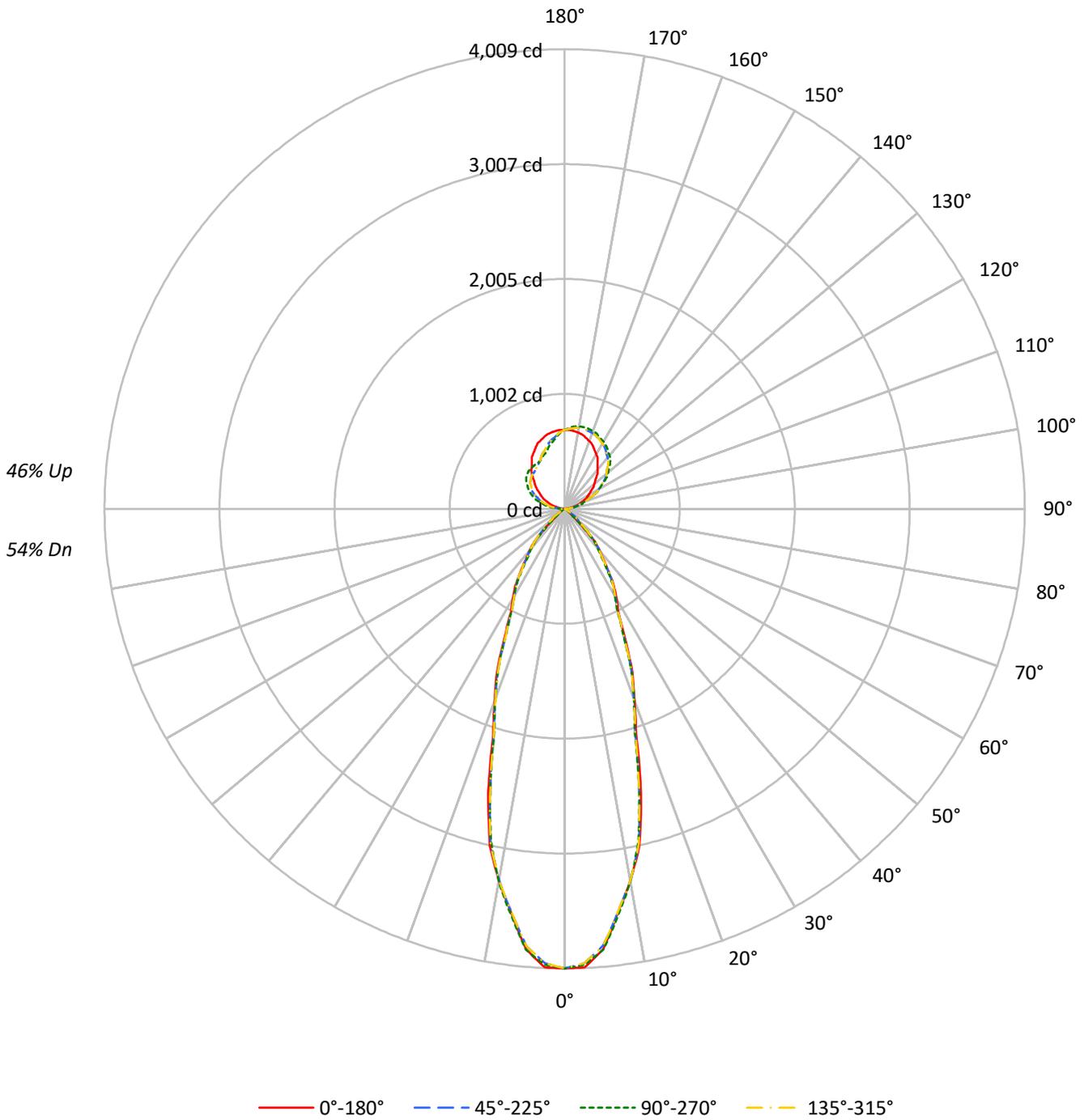
Lumens per Lamp: N/A
Luminaire Lumens: 4341.2 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 33
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: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-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	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54				
1	101	98	95	92	94	91	88	86	78	77	75	67	66	65	56	56	55	50				
2	94	88	84	80	88	83	79	75	72	69	67	62	60	58	53	52	51	46				
3	88	81	75	70	82	76	71	67	66	63	60	58	55	53	50	48	47	43				
4	82	74	68	63	77	70	64	60	62	57	54	54	51	49	47	45	43	40				
5	77	68	61	56	72	64	58	54	57	53	49	51	47	45	44	42	40	38				
6	73	63	56	51	68	59	54	49	53	49	45	47	44	42	42	40	38	35				
7	68	58	52	47	64	55	49	45	50	45	42	45	41	39	40	37	35	33				
8	64	54	48	43	61	52	46	42	47	42	39	42	39	36	38	35	33	31				
9	61	51	44	40	57	48	43	39	44	39	36	40	36	34	36	33	31	30				
10	58	48	41	37	54	45	40	36	41	37	34	38	34	32	34	32	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	64726	64726	64726	64726
5°	62495	62565	62495	62565
10°	54019	54147	54019	54147
15°	42985	41796	42985	41796
20°	30535	30353	30535	30353
25°	21969	21386	21969	21386
30°	16785	16294	16785	16294
35°	13176	12616	13176	12616
40°	9982	9369	9982	9369
45°	5585	4984	5585	4984
50°	1964	1733	1964	1733
55°	1202	1140	1202	1140
60°	917	849	917	849
65°	840	787	840	787
70°	807	736	807	736
75°	755	711	755	711
80°	660	660	660	660
85°	667	519	667	519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 6624 cd/sqm



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.0	8.0
10°-20°	691.6	15.9
20°-30°	572.8	13.2
30°-40°	412.0	9.5
40°-50°	209.9	4.8
50°-60°	54.6	1.3
60°-70°	22.7	0.5
70°-80°	12.6	0.3
80°-90°	6.6	0.2
90°-100°	54.8	1.3
100°-110°	159.8	3.7
110°-120°	260.8	6.0
120°-130°	330.9	7.6
130°-140°	354.1	8.2
140°-150°	330.7	7.6
150°-160°	272.1	6.3
160°-170°	182.5	4.2
170°-180°	64.8	1.5
0°-30°	1612.4	37.1
0°-40°	2024.4	46.6
0°-60°	2288.9	52.7
0°-90°	2330.7	53.7
90°-120°	475.4	11.0
90°-150°	1491.1	34.3
90°-180°	2010.0	46.3
0°-180°	4341.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4009	4009	4009	4009	4009	
5°	3856	3860	3856	3860	3856	348
15°	2572	2500	2572	2500	2572	698
25°	1233	1200	1233	1200	1233	580
35°	668	640	668	640	668	419
45°	245	218	245	218	245	195
55°	43	40	43	40	43	42
65°	22	21	22	21	22	22
75°	12	11	12	11	12	13
85°	4	3	4	3	4	4
90°	2	15	2	30	2	2
95°	22	16	22	94	22	26
105°	102	163	102	224	102	108
115°	195	270	195	332	195	192
125°	288	428	288	408	288	258
135°	392	560	392	451	392	303
145°	500	645	500	461	500	313
155°	594	701	594	478	594	273
165°	657	731	657	551	657	185
175°	686	716	686	646	686	65
180°	689	689	689	689	689	



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	4002.6	3999.6	3996.6	3983.1	3966.2	3964.8	3978.9	3988.7	3985.1	3981.6	3985.1
5°	3856.0	3853.5	3850.9	3839.4	3824.9	3829.9	3854.6	3871.6	3865.9	3860.3	3865.9
7.5°	3553.2	3555.3	3557.5	3551.6	3543.0	3549.6	3571.4	3586.2	3580.1	3574.1	3580.1
10°	3294.9	3300.6	3306.2	3298.2	3285.5	3295.2	3327.1	3345.7	3324.2	3302.7	3324.2
12.5°	3009.8	3006.2	3002.5	2995.1	2986.5	2984.8	2989.9	2990.8	2978.9	2967.0	2978.9
15°	2571.6	2558.3	2545.1	2524.7	2501.9	2494.5	2502.4	2507.4	2504.0	2500.5	2504.0
17.5°	2071.4	2076.5	2081.6	2067.8	2047.7	2037.3	2036.5	2035.0	2031.1	2027.1	2031.1
20°	1777.2	1778.8	1780.4	1771.8	1759.8	1756.9	1763.2	1767.8	1767.2	1766.6	1767.2
22.5°	1540.5	1540.9	1541.2	1529.8	1514.5	1511.5	1520.9	1526.5	1520.8	1515.1	1520.8
25°	1233.2	1232.2	1231.3	1223.7	1213.9	1206.6	1201.9	1198.6	1199.5	1200.5	1199.5
27.5°	1011.3	1007.4	1003.5	997.0	989.6	987.6	990.7	992.5	990.2	987.8	990.2
30°	900.3	897.2	894.0	887.5	880.0	877.1	879.0	879.7	876.9	874.0	876.9
32.5°	800.8	800.9	801.0	795.2	787.3	783.0	782.1	780.9	778.8	776.7	778.8
35°	668.5	670.4	672.3	667.6	660.6	654.8	650.0	645.7	642.9	640.1	642.9
37.5°	550.4	552.2	554.0	550.0	544.1	537.7	530.8	525.0	522.6	520.2	522.6
40°	473.6	474.9	476.2	473.4	469.3	463.1	454.9	448.3	446.4	444.5	446.4
42.5°	390.0	395.3	400.6	398.9	394.8	388.9	381.1	374.3	370.1	366.0	370.1
45°	244.6	261.4	278.1	285.7	290.1	288.0	279.5	267.0	242.7	218.3	242.7
47.5°	123.7	146.9	170.1	186.8	201.3	196.7	173.0	149.2	125.3	101.4	125.3
50°	78.2	94.3	110.5	130.9	152.7	147.9	116.6	90.5	79.7	69.0	79.7
52.5°	60.0	68.3	76.6	96.0	119.0	116.8	89.3	67.2	61.3	55.3	61.3
55°	42.7	45.8	49.0	59.7	73.0	72.2	57.4	45.6	43.1	40.5	43.1
57.5°	33.0	34.8	36.5	40.5	45.3	44.8	39.2	34.6	33.0	31.4	33.0
60°	28.4	29.7	31.0	33.0	35.2	34.8	32.0	29.5	27.9	26.3	27.9
62.5°	25.6	26.4	27.1	28.0	29.0	28.5	26.7	25.2	24.6	24.0	24.6
65°	22.0	22.4	22.7	22.8	22.8	22.4	21.8	21.3	20.9	20.6	20.9
67.5°	18.8	19.1	19.4	19.4	19.4	19.2	18.9	18.6	18.2	17.9	18.2
70°	17.1	17.4	17.7	17.5	17.2	16.9	16.6	16.3	16.0	15.6	16.0
72.5°	14.8	15.1	15.4	15.3	15.0	14.8	14.7	14.6	14.3	13.9	14.3
75°	12.1	12.1	12.1	12.1	12.1	11.9	11.6	11.4	11.4	11.4	11.4
77.5°	9.4	9.5	9.5	9.3	9.0	8.8	8.8	8.8	8.5	8.2	8.5
80°	7.1	7.4	7.7	7.6	7.3	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	6.0	6.0	6.1	5.9	5.6	5.4	5.4	5.4	5.4	5.4	5.4
85°	3.6	3.6	3.6	3.3	3.0	3.0	3.3	3.5	3.2	2.8	3.2
87.5°	1.6	2.1	2.8	3.4	3.8	3.9	3.9	4.1	4.2	4.2	4.2
90°	2.1	4.9	8.3	11.1	13.2	13.9	13.9	14.6	15.3	15.3	15.3
92.5°	7.7	12.1	12.2	12.2	14.9	16.1	17.2	17.4	18.1	18.1	18.1
95°	21.6	23.6	35.5	34.8	23.6	18.8	16.0	16.0	16.0	16.0	16.0
97.5°	41.2	44.2	46.2	61.9	65.4	63.2	51.5	43.3	38.7	36.6	38.7
100°	58.4	59.8	64.0	64.7	82.1	98.8	90.4	80.0	76.5	74.4	76.5
102.5°	75.7	76.5	82.9	85.8	89.9	99.3	128.3	125.1	122.7	122.3	122.7
105°	101.5	102.2	114.1	119.6	122.4	122.4	121.7	135.6	157.9	162.7	157.9
107.5°	129.2	132.4	146.3	161.2	164.4	165.3	161.6	159.5	158.7	159.3	158.7
110°	148.1	153.0	169.7	188.5	193.4	194.7	193.4	191.3	189.9	189.9	189.9



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	166.5	173.6	192.5	214.1	222.3	226.5	223.4	221.9	220.5	221.6	220.5
115°	194.7	205.2	230.2	252.5	269.2	271.2	270.6	270.6	269.9	269.9	269.9
117.5°	220.9	237.6	265.7	291.6	310.9	316.5	319.2	318.4	317.6	319.0	317.6
120°	239.3	258.7	290.7	319.9	338.7	347.1	349.8	348.4	349.8	348.4	349.8
122.5°	258.7	282.7	314.1	344.4	366.5	376.0	379.3	379.6	379.9	379.1	379.9
125°	287.9	317.2	354.0	385.3	408.3	419.4	422.2	422.9	424.3	427.7	424.3
127.5°	317.4	350.5	391.0	421.2	444.7	458.2	462.5	464.0	467.0	468.5	467.0
130°	338.0	375.6	416.6	445.1	468.1	482.7	490.3	492.4	495.9	495.2	495.9
132.5°	359.7	398.9	440.5	470.2	491.4	507.2	513.7	519.7	520.9	521.9	520.9
135°	391.6	434.0	475.7	504.9	525.1	540.4	548.8	554.3	557.8	559.9	557.8
137.5°	425.1	469.9	509.9	536.0	556.3	569.5	578.9	584.8	588.4	590.1	588.4
140°	447.9	491.0	530.0	557.1	575.2	588.4	596.7	603.7	607.9	607.9	607.9
142.5°	469.6	512.2	550.0	577.1	593.0	605.1	614.0	619.3	624.0	624.0	624.0
145°	500.1	542.5	577.3	604.4	617.6	628.7	638.5	642.6	645.4	645.4	645.4
147.5°	531.9	569.5	601.2	627.2	638.3	651.4	659.1	662.4	665.9	664.3	665.9
150°	550.8	585.6	616.2	640.6	651.7	664.2	671.9	674.6	678.1	676.0	678.1
152.5°	569.2	602.3	630.1	652.8	662.3	674.8	683.5	686.3	688.7	687.2	688.7
155°	594.0	623.2	648.9	669.8	678.1	689.9	698.3	701.8	704.5	701.1	704.5
157.5°	616.1	641.3	663.7	682.8	691.8	701.9	709.7	714.0	716.8	715.3	716.8
160°	629.4	652.4	672.6	690.6	699.0	708.0	716.4	721.2	724.0	721.9	724.0
162.5°	640.6	661.3	680.3	696.8	704.0	711.9	721.9	726.2	729.0	726.4	729.0
165°	656.6	673.3	689.9	703.9	710.1	716.4	726.8	731.7	733.8	731.0	733.8
167.5°	668.7	681.5	695.0	706.9	711.5	717.6	728.1	732.1	734.7	731.3	734.7
170°	675.3	686.5	698.3	708.0	711.5	717.1	727.5	731.0	733.1	729.6	733.1
172.5°	680.9	689.2	698.8	707.5	709.3	713.7	723.6	727.1	728.6	725.7	728.6
175°	686.5	691.3	698.3	703.9	703.2	705.9	714.3	717.1	719.9	715.7	719.9
177.5°	689.1	691.3	693.6	696.9	694.7	694.7	700.8	702.5	703.0	700.8	703.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	3988.7	3978.9	3964.8	3966.2	3983.1	3996.6	3999.6	4002.6	3999.6	3996.6	3983.1
5°	3871.6	3854.6	3829.9	3824.9	3839.4	3850.9	3853.5	3856.0	3853.5	3850.9	3839.4
7.5°	3586.2	3571.4	3549.6	3543.0	3551.6	3557.5	3555.3	3553.2	3555.3	3557.5	3551.6
10°	3345.7	3327.1	3295.2	3285.5	3298.2	3306.2	3300.6	3294.9	3300.6	3306.2	3298.2
12.5°	2990.8	2989.9	2984.8	2986.5	2995.1	3002.5	3006.2	3009.8	3006.2	3002.5	2995.1
15°	2507.4	2502.4	2494.5	2501.9	2524.7	2545.1	2558.3	2571.6	2558.3	2545.1	2524.7
17.5°	2035.0	2036.5	2037.3	2047.7	2067.8	2081.6	2076.5	2071.4	2076.5	2081.6	2067.8
20°	1767.8	1763.2	1756.9	1759.8	1771.8	1780.4	1778.8	1777.2	1778.8	1780.4	1771.8
22.5°	1526.5	1520.9	1511.5	1514.5	1529.8	1541.2	1540.9	1540.5	1540.9	1541.2	1529.8
25°	1198.6	1201.9	1206.6	1213.9	1223.7	1231.3	1232.2	1233.2	1232.2	1231.3	1223.7
27.5°	992.5	990.7	987.6	989.6	997.0	1003.5	1007.4	1011.3	1007.4	1003.5	997.0
30°	879.7	879.0	877.1	880.0	887.5	894.0	897.2	900.3	897.2	894.0	887.5
32.5°	780.9	782.1	783.0	787.3	795.2	801.0	800.9	800.8	800.9	801.0	795.2
35°	645.7	650.0	654.8	660.6	667.6	672.3	670.4	668.5	670.4	672.3	667.6
37.5°	525.0	530.8	537.7	544.1	550.0	554.0	552.2	550.4	552.2	554.0	550.0
40°	448.3	454.9	463.1	469.3	473.4	476.2	474.9	473.6	474.9	476.2	473.4
42.5°	374.3	381.1	388.9	394.8	398.9	400.6	395.3	390.0	395.3	400.6	398.9
45°	267.0	279.5	288.0	290.1	285.7	278.1	261.4	244.6	261.4	278.1	285.7
47.5°	149.2	173.0	196.7	201.3	186.8	170.1	146.9	123.7	146.9	170.1	186.8
50°	90.5	116.6	147.9	152.7	130.9	110.5	94.3	78.2	94.3	110.5	130.9
52.5°	67.2	89.3	116.8	119.0	96.0	76.6	68.3	60.0	68.3	76.6	96.0
55°	45.6	57.4	72.2	73.0	59.7	49.0	45.8	42.7	45.8	49.0	59.7
57.5°	34.6	39.2	44.8	45.3	40.5	36.5	34.8	33.0	34.8	36.5	40.5
60°	29.5	32.0	34.8	35.2	33.0	31.0	29.7	28.4	29.7	31.0	33.0
62.5°	25.2	26.7	28.5	29.0	28.0	27.1	26.4	25.6	26.4	27.1	28.0
65°	21.3	21.8	22.4	22.8	22.8	22.7	22.4	22.0	22.4	22.7	22.8
67.5°	18.6	18.9	19.2	19.4	19.4	19.4	19.1	18.8	19.1	19.4	19.4
70°	16.3	16.6	16.9	17.2	17.5	17.7	17.4	17.1	17.4	17.7	17.5
72.5°	14.6	14.7	14.8	15.0	15.3	15.4	15.1	14.8	15.1	15.4	15.3
75°	11.4	11.6	11.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
77.5°	8.8	8.8	8.8	9.0	9.3	9.5	9.5	9.4	9.5	9.5	9.3
80°	7.1	7.1	7.1	7.3	7.6	7.7	7.4	7.1	7.4	7.7	7.6
82.5°	5.4	5.4	5.4	5.6	5.9	6.1	6.0	6.0	6.0	6.1	5.9
85°	3.5	3.3	3.0	3.0	3.3	3.6	3.6	3.6	3.6	3.6	3.3
87.5°	4.1	3.9	3.9	3.8	3.4	2.8	2.1	1.6	2.1	2.7	3.6
90°	14.6	13.9	13.9	13.2	11.1	8.3	4.9	2.1	4.9	7.7	12.5
92.5°	17.4	17.2	16.1	14.9	12.2	12.2	12.1	7.7	13.2	18.8	27.0
95°	16.0	16.0	18.8	23.6	34.8	35.5	23.6	21.6	30.6	43.1	54.2
97.5°	43.3	51.5	63.2	65.4	61.9	46.2	44.2	41.2	56.1	68.4	86.4
100°	80.0	90.4	98.8	82.1	64.7	64.0	59.8	58.4	74.4	86.2	103.6
102.5°	125.1	128.3	99.3	89.9	85.8	82.9	76.5	75.7	91.7	107.9	122.5
105°	135.6	121.7	122.4	122.4	119.6	114.1	102.2	101.5	119.6	138.4	156.5
107.5°	159.5	161.6	165.3	164.4	161.2	146.3	132.4	129.2	145.5	168.0	187.9
110°	191.3	193.4	194.7	193.4	188.5	169.7	153.0	148.1	162.7	186.4	208.0



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	221.9	223.4	226.5	222.3	214.1	192.5	173.6	166.5	181.1	205.3	227.4
115°	270.6	270.6	271.2	269.2	252.5	230.2	205.2	194.7	207.3	229.5	253.9
117.5°	318.4	319.2	316.5	310.9	291.6	265.7	237.6	220.9	230.8	254.3	279.3
120°	348.4	349.8	347.1	338.7	319.9	290.7	258.7	239.3	246.9	269.9	294.9
122.5°	379.6	379.3	376.0	366.5	344.4	314.1	282.7	258.7	261.9	283.2	307.7
125°	422.9	422.2	419.4	408.3	385.3	354.0	317.2	287.9	283.8	301.9	326.9
127.5°	464.0	462.5	458.2	444.7	421.2	391.0	350.5	317.4	308.1	319.5	342.5
130°	492.4	490.3	482.7	468.1	445.1	416.6	375.6	338.0	324.8	331.8	351.9
132.5°	519.7	513.7	507.2	491.4	470.2	440.5	398.9	359.7	341.5	344.6	360.3
135°	554.3	548.8	540.4	525.1	504.9	475.7	434.0	391.6	366.5	363.8	372.8
137.5°	584.8	578.9	569.5	556.3	536.0	509.9	469.9	425.1	393.5	384.2	387.7
140°	603.7	596.7	588.4	575.2	557.1	530.0	491.0	447.9	412.4	399.2	397.1
142.5°	619.3	614.0	605.1	593.0	577.1	550.0	512.2	469.6	431.9	414.8	409.9
145°	642.6	638.5	628.7	617.6	604.4	577.3	542.5	500.1	462.5	440.3	429.8
147.5°	662.4	659.1	651.4	638.3	627.2	601.2	569.5	531.9	493.4	465.9	452.4
150°	674.6	671.9	664.2	651.7	640.6	616.2	585.6	550.8	514.0	484.8	467.4
152.5°	686.3	683.5	674.8	662.3	652.8	630.1	602.3	569.2	531.8	502.6	484.6
155°	701.8	698.3	689.9	678.1	669.8	648.9	623.2	594.0	562.0	531.4	511.2
157.5°	714.0	709.7	701.9	691.8	682.8	663.7	641.3	616.1	588.1	558.9	538.3
160°	721.2	716.4	708.0	699.0	690.6	672.6	652.4	629.4	603.7	577.3	555.0
162.5°	726.2	721.9	711.9	704.0	696.8	680.3	661.3	640.6	617.6	594.5	573.9
165°	731.7	726.8	716.4	710.1	703.9	689.9	673.3	656.6	637.1	618.3	601.6
167.5°	732.1	728.1	717.6	711.5	706.9	695.0	681.5	668.7	653.5	638.8	624.8
170°	731.0	727.5	717.1	711.5	708.0	698.3	686.5	675.3	663.5	651.0	639.9
172.5°	727.1	723.6	713.7	709.3	707.5	698.8	689.2	680.9	670.7	661.6	652.7
175°	717.1	714.3	705.9	703.2	703.9	698.3	691.3	686.5	680.2	674.6	669.8
177.5°	702.5	700.8	694.7	694.7	696.9	693.6	691.3	689.1	686.3	684.7	683.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	3966.2	3964.8	3978.9	3988.7	3985.1	3981.6	3985.1	3988.7	3978.9	3964.8	3966.2
5°	3824.9	3829.9	3854.6	3871.6	3865.9	3860.3	3865.9	3871.6	3854.6	3829.9	3824.9
7.5°	3543.0	3549.6	3571.4	3586.2	3580.1	3574.1	3580.1	3586.2	3571.4	3549.6	3543.0
10°	3285.5	3295.2	3327.1	3345.7	3324.2	3302.7	3324.2	3345.7	3327.1	3295.2	3285.5
12.5°	2986.5	2984.8	2989.9	2990.8	2978.9	2967.0	2978.9	2990.8	2989.9	2984.8	2986.5
15°	2501.9	2494.5	2502.4	2507.4	2504.0	2500.5	2504.0	2507.4	2502.4	2494.5	2501.9
17.5°	2047.7	2037.3	2036.5	2035.0	2031.1	2027.1	2031.1	2035.0	2036.5	2037.3	2047.7
20°	1759.8	1756.9	1763.2	1767.8	1767.2	1766.6	1767.2	1767.8	1763.2	1756.9	1759.8
22.5°	1514.5	1511.5	1520.9	1526.5	1520.8	1515.1	1520.8	1526.5	1520.9	1511.5	1514.5
25°	1213.9	1206.6	1201.9	1198.6	1199.5	1200.5	1199.5	1198.6	1201.9	1206.6	1213.9
27.5°	989.6	987.6	990.7	992.5	990.2	987.8	990.2	992.5	990.7	987.6	989.6
30°	880.0	877.1	879.0	879.7	876.9	874.0	876.9	879.7	879.0	877.1	880.0
32.5°	787.3	783.0	782.1	780.9	778.8	776.7	778.8	780.9	782.1	783.0	787.3
35°	660.6	654.8	650.0	645.7	642.9	640.1	642.9	645.7	650.0	654.8	660.6
37.5°	544.1	537.7	530.8	525.0	522.6	520.2	522.6	525.0	530.8	537.7	544.1
40°	469.3	463.1	454.9	448.3	446.4	444.5	446.4	448.3	454.9	463.1	469.3
42.5°	394.8	388.9	381.1	374.3	370.1	366.0	370.1	374.3	381.1	388.9	394.8
45°	290.1	288.0	279.5	267.0	242.7	218.3	242.7	267.0	279.5	288.0	290.1
47.5°	201.3	196.7	173.0	149.2	125.3	101.4	125.3	149.2	173.0	196.7	201.3
50°	152.7	147.9	116.6	90.5	79.7	69.0	79.7	90.5	116.6	147.9	152.7
52.5°	119.0	116.8	89.3	67.2	61.3	55.3	61.3	67.2	89.3	116.8	119.0
55°	73.0	72.2	57.4	45.6	43.1	40.5	43.1	45.6	57.4	72.2	73.0
57.5°	45.3	44.8	39.2	34.6	33.0	31.4	33.0	34.6	39.2	44.8	45.3
60°	35.2	34.8	32.0	29.5	27.9	26.3	27.9	29.5	32.0	34.8	35.2
62.5°	29.0	28.5	26.7	25.2	24.6	24.0	24.6	25.2	26.7	28.5	29.0
65°	22.8	22.4	21.8	21.3	20.9	20.6	20.9	21.3	21.8	22.4	22.8
67.5°	19.4	19.2	18.9	18.6	18.2	17.9	18.2	18.6	18.9	19.2	19.4
70°	17.2	16.9	16.6	16.3	16.0	15.6	16.0	16.3	16.6	16.9	17.2
72.5°	15.0	14.8	14.7	14.6	14.3	13.9	14.3	14.6	14.7	14.8	15.0
75°	12.1	11.9	11.6	11.4	11.4	11.4	11.4	11.4	11.6	11.9	12.1
77.5°	9.0	8.8	8.8	8.8	8.5	8.2	8.5	8.8	8.8	8.8	9.0
80°	7.3	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3
82.5°	5.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6
85°	3.0	3.0	3.3	3.5	3.2	2.8	3.2	3.5	3.3	3.0	3.0
87.5°	4.3	5.3	6.3	6.8	7.4	7.1	7.4	6.8	6.3	5.3	4.3
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	25.7	20.9	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	46.3	40.3	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	84.2	74.4	64.7
97.5°	99.7	112.8	123.7	130.2	134.4	137.2	134.4	130.2	123.7	112.8	99.7
100°	123.1	135.6	148.1	155.8	162.7	165.5	162.7	155.8	148.1	135.6	123.1
102.5°	142.0	158.4	172.1	180.3	186.1	188.9	186.1	180.3	172.1	158.4	142.0
105°	173.2	190.6	205.2	215.6	221.9	224.0	221.9	215.6	205.2	190.6	173.2
107.5°	204.3	222.3	235.8	247.3	255.0	259.4	255.0	247.3	235.8	222.3	204.3
110°	228.8	243.4	258.0	268.5	276.1	278.9	276.1	268.5	258.0	243.4	228.8



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	249.4	265.7	280.3	290.7	299.5	303.4	299.5	290.7	280.3	265.7	249.4
115°	278.2	299.8	313.0	322.7	329.0	332.5	329.0	322.7	313.0	299.8	278.2
117.5°	302.1	324.7	339.1	346.6	349.6	352.1	349.6	346.6	339.1	324.7	302.1
120°	317.2	338.0	354.7	364.4	367.9	369.3	367.9	364.4	354.7	338.0	317.2
122.5°	331.1	350.8	366.9	378.9	384.6	386.0	384.6	378.9	366.9	350.8	331.1
125°	350.5	369.3	386.0	397.8	404.1	407.6	404.1	397.8	386.0	369.3	350.5
127.5°	367.5	387.8	403.1	413.8	419.9	422.7	419.9	413.8	403.1	387.8	367.5
130°	377.0	397.8	413.1	425.0	430.5	433.3	430.5	425.0	413.1	397.8	377.0
132.5°	384.2	406.2	422.0	432.7	438.9	441.6	438.9	432.7	422.0	406.2	384.2
135°	393.0	415.9	432.6	443.0	448.6	451.4	448.6	443.0	432.6	415.9	393.0
137.5°	400.6	421.5	438.9	449.9	454.9	456.7	454.9	449.9	438.9	421.5	400.6
140°	406.2	424.3	441.6	452.1	457.6	458.3	457.6	452.1	441.6	424.3	406.2
142.5°	413.4	427.6	442.8	453.2	458.8	460.0	458.8	453.2	442.8	427.6	413.4
145°	426.3	434.7	445.1	454.9	459.7	461.1	459.7	454.9	445.1	434.7	426.3
147.5°	442.6	445.3	450.7	457.1	461.8	462.8	461.8	457.1	445.3	442.6	442.6
150°	454.9	454.2	456.3	460.4	464.6	463.9	464.6	460.4	456.3	454.2	454.9
152.5°	468.8	464.7	464.6	466.5	468.5	468.4	468.5	466.5	464.6	464.7	468.8
155°	492.4	484.8	480.6	479.2	479.2	478.5	479.2	479.2	480.6	484.8	492.4
157.5°	518.4	507.7	501.5	498.1	497.1	495.6	497.1	498.1	501.5	507.7	518.4
160°	536.2	524.4	518.2	512.6	510.5	508.4	510.5	512.6	518.2	524.4	536.2
162.5°	552.9	541.7	534.8	529.8	527.8	524.6	527.8	529.8	534.8	541.7	552.9
165°	580.1	568.2	560.6	556.4	553.6	550.8	553.6	556.4	560.6	568.2	580.1
167.5°	607.2	594.2	589.2	584.5	581.9	576.9	581.9	584.5	589.2	594.2	607.2
170°	623.9	612.0	609.3	605.1	600.2	594.7	600.2	605.1	609.3	612.0	623.9
172.5°	638.3	630.4	627.6	623.5	621.9	617.5	621.9	623.5	627.6	630.4	638.3
175°	659.3	653.1	653.1	652.4	650.3	646.1	650.3	652.4	653.1	653.1	659.3
177.5°	676.9	673.5	675.8	675.8	675.2	671.3	675.2	675.8	675.8	673.5	676.9
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	4008.9	4008.9	4008.9	4008.9
2.5°	3983.1	3996.6	3999.6	4002.6
5°	3839.4	3850.9	3853.5	3856.0
7.5°	3551.6	3557.5	3555.3	3553.2
10°	3298.2	3306.2	3300.6	3294.9
12.5°	2995.1	3002.5	3006.2	3009.8
15°	2524.7	2545.1	2558.3	2571.6
17.5°	2067.8	2081.6	2076.5	2071.4
20°	1771.8	1780.4	1778.8	1777.2
22.5°	1529.8	1541.2	1540.9	1540.5
25°	1223.7	1231.3	1232.2	1233.2
27.5°	997.0	1003.5	1007.4	1011.3
30°	887.5	894.0	897.2	900.3
32.5°	795.2	801.0	800.9	800.8
35°	667.6	672.3	670.4	668.5
37.5°	550.0	554.0	552.2	550.4
40°	473.4	476.2	474.9	473.6
42.5°	398.9	400.6	395.3	390.0
45°	285.7	278.1	261.4	244.6
47.5°	186.8	170.1	146.9	123.7
50°	130.9	110.5	94.3	78.2
52.5°	96.0	76.6	68.3	60.0
55°	59.7	49.0	45.8	42.7
57.5°	40.5	36.5	34.8	33.0
60°	33.0	31.0	29.7	28.4
62.5°	28.0	27.1	26.4	25.6
65°	22.8	22.7	22.4	22.0
67.5°	19.4	19.4	19.1	18.8
70°	17.5	17.7	17.4	17.1
72.5°	15.3	15.4	15.1	14.8
75°	12.1	12.1	12.1	12.1
77.5°	9.3	9.5	9.5	9.4
80°	7.6	7.7	7.4	7.1
82.5°	5.9	6.1	6.0	6.0
85°	3.3	3.6	3.6	3.6
87.5°	3.6	2.7	2.1	1.6
90°	12.5	7.7	4.9	2.1
92.5°	27.0	18.8	13.2	7.7
95°	54.2	43.1	30.6	21.6
97.5°	86.4	68.4	56.1	41.2
100°	103.6	86.2	74.4	58.4
102.5°	122.5	107.9	91.7	75.7
105°	156.5	138.4	119.6	101.5
107.5°	187.9	168.0	145.5	129.2
110°	208.0	186.4	162.7	148.1



TEST NUMBER: P1428601

CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	227.4	205.3	181.1	166.5
115°	253.9	229.5	207.3	194.7
117.5°	279.3	254.3	230.8	220.9
120°	294.9	269.9	246.9	239.3
122.5°	307.7	283.2	261.9	258.7
125°	326.9	301.9	283.8	287.9
127.5°	342.5	319.5	308.1	317.4
130°	351.9	331.8	324.8	338.0
132.5°	360.3	344.6	341.5	359.7
135°	372.8	363.8	366.5	391.6
137.5°	387.7	384.2	393.5	425.1
140°	397.1	399.2	412.4	447.9
142.5°	409.9	414.8	431.9	469.6
145°	429.8	440.3	462.5	500.1
147.5°	452.4	465.9	493.4	531.9
150°	467.4	484.8	514.0	550.8
152.5°	484.6	502.6	531.8	569.2
155°	511.2	531.4	562.0	594.0
157.5°	538.3	558.9	588.1	616.1
160°	555.0	577.3	603.7	629.4
162.5°	573.9	594.5	617.6	640.6
165°	601.6	618.3	637.1	656.6
167.5°	624.8	638.8	653.5	668.7
170°	639.9	651.0	663.5	675.3
172.5°	652.7	661.6	670.7	680.9
175°	669.8	674.6	680.2	686.5
177.5°	683.0	684.7	686.3	689.1
180°	688.6	688.6	688.6	688.6



TEST NUMBER: P1428601
 CATALOG NUMBER: SQ2W-WBN-K-050U-050D-L940-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	1.00	1.70	1.97	2.65	3.89	0.63	1.33	1.60	2.28	3.52
	3H	2.23	2.85	3.21	3.81	5.07	1.84	2.46	2.82	3.42	4.68
	4H	2.75	3.34	3.74	4.30	5.57	2.36	2.94	3.35	3.91	5.17
	6H	3.10	3.64	4.10	4.61	5.89	2.69	3.22	3.68	4.19	5.47
	8H	3.25	3.75	4.25	4.74	6.01	2.82	3.33	3.83	4.32	5.59
	12H	3.34	3.82	4.35	4.80	6.10	2.89	3.37	3.90	4.35	5.65
4H	2H	1.32	1.91	2.32	2.87	4.14	1.02	1.60	2.01	2.57	3.83
	3H	2.82	3.30	3.82	4.30	5.57	2.48	2.96	3.48	3.96	5.24
	4H	3.47	3.91	4.47	4.90	6.20	3.12	3.56	4.12	4.55	5.85
	6H	3.95	4.33	4.97	5.34	6.64	3.57	3.95	4.59	4.96	6.26
	8H	4.16	4.51	5.18	5.52	6.83	3.77	4.12	4.78	5.12	6.43
	12H	4.30	4.61	5.33	5.63	6.95	3.87	4.19	4.91	5.21	6.52
8H	4H	3.63	3.98	4.65	4.98	6.29	3.31	3.66	4.33	4.67	5.98
	6H	4.26	4.55	5.30	5.59	6.90	3.91	4.19	4.95	5.24	6.55
	8H	4.58	4.83	5.63	5.86	7.19	4.20	4.45	5.24	5.48	6.81
	12H	4.81	5.03	5.86	6.05	7.43	4.40	4.62	5.45	5.64	7.02
12H	4H	3.61	3.92	4.64	4.94	6.25	3.30	3.62	4.34	4.64	5.95
	6H	4.30	4.55	5.34	5.58	6.91	3.96	4.21	5.01	5.24	6.57
	8H	4.64	4.86	5.69	5.89	7.26	4.28	4.50	5.33	5.52	6.90