

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: P1427677

Luminaire Tested: SQ2W-F-K-025U-050D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427677
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-025U-050D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

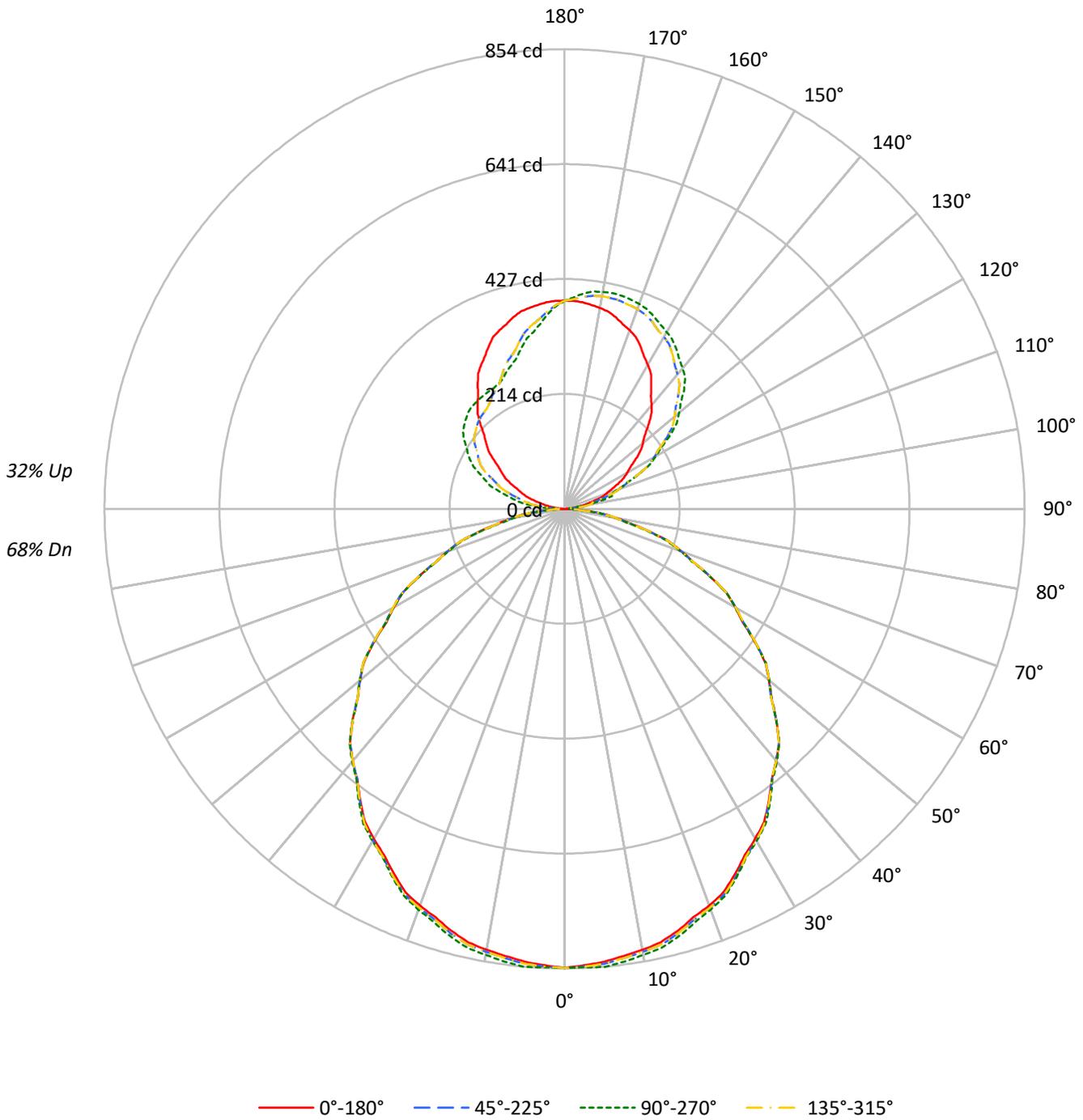
Lumens per Lamp: N/A
Luminaire Lumens: 3531.0 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.3
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68				
1	102	97	93	89	96	92	88	85	82	79	76	72	70	68	64	62	61	57				
2	92	85	78	73	87	80	74	69	71	67	63	63	60	57	56	53	51	47				
3	84	74	66	60	79	70	63	58	63	57	53	56	51	48	49	46	43	40				
4	77	66	57	51	72	62	55	49	56	50	45	50	45	41	44	40	37	34				
5	71	58	50	44	66	55	48	42	50	43	39	45	39	35	40	35	32	29				
6	65	52	44	38	61	50	42	36	45	38	34	40	35	31	36	32	28	26				
7	60	47	39	33	57	45	37	32	41	34	30	37	31	27	33	28	25	23				
8	56	43	35	29	53	41	34	28	37	31	26	33	28	24	30	26	22	20				
9	52	39	32	26	49	38	30	25	34	28	24	31	26	22	28	23	20	18				
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	26	21	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13775	13775	13775	13775
5°	13692	13847	13692	13847
10°	13644	13801	13644	13801
15°	13569	13740	13569	13740
20°	13483	13617	13483	13617
25°	13338	13455	13338	13455
30°	13196	13285	13196	13285
35°	13026	13111	13026	13111
40°	12880	12918	12880	12918
45°	12691	12691	12691	12691
50°	12436	12466	12436	12466
55°	12143	12160	12143	12160
60°	11815	11815	11815	11815
65°	11431	11385	11431	11385
70°	10891	10777	10891	10777
75°	10156	9931	10156	9931
80°	9047	8601	9047	8601
85°	7243	6113	7243	6113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12775 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	2.3
10°-20°	230.7	6.5
20°-30°	347.2	9.8
30°-40°	415.2	11.8
40°-50°	428.8	12.1
50°-60°	386.7	11.0
60°-70°	296.2	8.4
70°-80°	171.2	4.8
80°-90°	46.1	1.3
90°-100°	30.8	0.9
100°-110°	89.7	2.5
110°-120°	146.3	4.1
120°-130°	185.7	5.3
130°-140°	198.7	5.6
140°-150°	185.5	5.3
150°-160°	152.7	4.3
160°-170°	102.4	2.9
170°-180°	36.4	1.0
0°-30°	658.6	18.7
0°-40°	1073.9	30.4
0°-60°	1889.3	53.5
0°-90°	2402.9	68.1
90°-120°	266.8	7.6
90°-150°	836.7	23.7
90°-180°	1128.0	31.9
0°-180°	3531.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	853	853	853	853	853	
5°	845	854	845	854	845	80
15°	812	822	812	822	812	229
25°	749	755	749	755	749	345
35°	661	665	661	665	661	414
45°	556	556	556	556	556	428
55°	431	432	431	432	431	385
65°	299	298	299	298	299	296
75°	163	159	163	159	163	172
85°	39	33	39	33	39	45
90°	1	9	1	17	1	3
95°	12	9	12	53	12	15
105°	57	91	57	126	57	61
115°	109	151	109	186	109	108
125°	162	240	162	229	162	145
135°	220	314	220	253	220	170
145°	281	362	281	259	281	176
155°	333	393	333	268	333	153
165°	368	410	368	309	368	104
175°	385	402	385	363	385	37
180°	386	386	386	386	386	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	848.9	853.0	857.0	855.3	851.7	850.3	851.1	851.9	852.3	852.7	852.3
5°	844.8	850.2	855.5	853.6	849.4	847.5	848.0	849.1	851.8	854.4	851.8
7.5°	838.0	843.3	848.6	846.9	842.9	841.2	841.8	843.0	845.8	848.5	845.8
10°	832.2	837.5	842.9	841.0	836.7	835.1	836.2	837.5	839.7	841.8	839.7
12.5°	825.0	830.3	835.7	834.1	830.3	828.7	829.3	830.4	832.7	835.1	832.7
15°	811.8	817.1	822.4	821.0	817.2	815.8	816.6	817.7	819.8	822.0	819.8
17.5°	795.8	800.8	805.8	804.5	801.0	799.7	800.6	801.8	803.6	805.5	803.6
20°	784.7	789.5	794.3	792.9	789.5	787.9	788.1	788.8	790.7	792.5	790.7
22.5°	771.3	776.1	780.9	779.6	776.4	774.5	773.9	774.0	776.3	778.6	776.3
25°	748.7	753.5	758.3	757.3	754.3	752.5	751.7	751.5	753.4	755.3	753.4
27.5°	725.1	729.1	733.1	732.3	729.8	728.3	727.8	727.7	729.1	730.4	729.1
30°	707.8	711.8	715.8	714.8	712.2	710.6	710.0	710.0	711.3	712.6	711.3
32.5°	689.5	693.3	697.1	695.8	692.7	691.1	691.0	691.3	692.8	694.4	692.8
35°	660.9	664.2	667.4	666.0	663.0	661.7	662.0	662.5	663.8	665.2	663.8
37.5°	632.2	634.7	637.1	635.7	633.0	631.6	631.5	631.8	632.9	634.0	632.9
40°	611.1	613.7	616.4	614.9	611.9	610.3	610.1	610.2	611.5	612.9	611.5
42.5°	589.4	591.5	593.5	592.1	589.6	588.4	588.6	588.9	589.6	590.3	589.6
45°	555.8	557.7	559.5	558.2	555.8	554.6	554.6	554.7	555.3	555.8	555.3
47.5°	520.6	522.0	523.5	522.4	520.6	519.5	519.1	519.1	520.0	520.8	520.0
50°	495.1	497.0	498.8	497.9	496.0	494.8	494.3	494.2	495.2	496.3	495.2
52.5°	470.1	472.2	474.3	473.4	471.5	470.2	469.5	469.1	470.0	470.8	470.0
55°	431.4	433.8	436.2	435.6	434.0	432.7	431.6	431.0	431.5	432.0	431.5
57.5°	391.9	394.2	396.6	396.1	394.7	393.4	392.1	391.3	392.1	392.8	392.1
60°	365.9	368.1	370.2	369.5	367.9	366.6	365.5	364.9	365.4	365.9	365.4
62.5°	339.5	341.6	343.8	342.9	341.1	339.7	338.6	337.9	338.5	339.0	338.5
65°	299.2	301.1	303.0	302.2	300.6	299.3	298.2	297.5	297.8	298.0	297.8
67.5°	258.6	260.2	261.8	261.1	259.5	258.0	256.4	255.4	255.8	256.2	255.8
70°	230.7	232.3	233.9	233.3	232.0	230.7	229.3	228.3	228.3	228.3	228.3
72.5°	203.8	205.2	206.6	205.8	204.2	202.9	201.8	200.9	200.9	200.9	200.9
75°	162.8	163.6	164.4	164.0	163.2	162.2	160.8	159.8	159.5	159.2	159.5
77.5°	123.3	123.3	123.3	122.5	121.5	120.5	119.5	118.7	118.3	118.0	118.3
80°	97.3	97.3	97.3	96.7	95.9	95.1	94.3	93.6	93.1	92.5	93.1
82.5°	73.3	72.9	72.5	71.7	70.9	69.9	68.7	67.9	68.4	69.0	68.4
85°	39.1	38.5	38.0	37.3	36.5	35.5	34.4	33.6	33.3	33.0	33.3
87.5°	12.3	12.1	12.1	11.8	11.4	10.7	9.9	9.3	9.1	8.9	9.1
90°	1.2	2.7	4.7	6.2	7.4	7.8	7.8	8.2	8.6	8.6	8.6
92.5°	4.3	6.8	6.9	6.9	8.4	9.1	9.7	9.8	10.1	10.1	10.1
95°	12.1	13.3	19.9	19.5	13.3	10.5	9.0	9.0	9.0	9.0	9.0
97.5°	23.1	24.8	25.9	34.7	36.7	35.4	28.9	24.3	21.7	20.5	21.7
100°	32.8	33.6	35.9	36.3	46.1	55.4	50.7	44.9	42.9	41.8	42.9
102.5°	42.5	42.9	46.5	48.2	50.4	55.7	72.0	70.2	68.8	68.6	68.8
105°	57.0	57.4	64.0	67.1	68.7	68.7	68.3	76.1	88.6	91.3	88.6
107.5°	72.5	74.3	82.1	90.5	92.3	92.7	90.7	89.5	89.1	89.4	89.1
110°	83.1	85.9	95.2	105.8	108.5	109.3	108.5	107.3	106.5	106.5	106.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	93.4	97.4	108.0	120.1	124.7	127.1	125.4	124.5	123.7	124.3	123.7
115°	109.3	115.1	129.2	141.7	151.0	152.2	151.8	151.8	151.4	151.4	151.4
117.5°	123.9	133.3	149.1	163.6	174.4	177.6	179.1	178.7	178.2	179.0	178.2
120°	134.3	145.2	163.1	179.5	190.1	194.7	196.3	195.5	196.3	195.5	196.3
122.5°	145.2	158.6	176.2	193.3	205.7	211.0	212.9	213.0	213.2	212.7	213.2
125°	161.6	178.0	198.6	216.2	229.1	235.3	236.9	237.3	238.1	240.0	238.1
127.5°	178.1	196.7	219.4	236.3	249.5	257.1	259.5	260.4	262.0	262.9	262.0
130°	189.7	210.7	233.8	249.8	262.7	270.8	275.1	276.3	278.3	277.9	278.3
132.5°	201.8	223.9	247.2	263.8	275.8	284.6	288.3	291.6	292.3	292.9	292.3
135°	219.7	243.5	266.9	283.3	294.7	303.2	307.9	311.0	313.0	314.2	313.0
137.5°	238.5	263.7	286.1	300.7	312.1	319.6	324.9	328.1	330.2	331.1	330.2
140°	251.3	275.5	297.4	312.6	322.8	330.2	334.8	338.8	341.1	341.1	341.1
142.5°	263.5	287.4	308.6	323.8	332.7	339.5	344.5	347.5	350.1	350.1	350.1
145°	280.6	304.4	323.9	339.1	346.6	352.8	358.3	360.6	362.2	362.2	362.2
147.5°	298.5	319.6	337.3	351.9	358.2	365.5	369.8	371.7	373.6	372.8	373.6
150°	309.1	328.6	345.8	359.4	365.7	372.7	377.0	378.6	380.5	379.3	380.5
152.5°	319.4	338.0	353.6	366.3	371.6	378.6	383.6	385.1	386.4	385.6	386.4
155°	333.3	349.7	364.1	375.8	380.5	387.1	391.8	393.8	395.3	393.4	395.3
157.5°	345.7	359.8	372.4	383.2	388.2	393.9	398.2	400.6	402.2	401.4	402.2
160°	353.2	366.1	377.4	387.5	392.2	397.3	402.0	404.7	406.3	405.1	406.3
162.5°	359.4	371.1	381.8	391.0	395.0	399.5	405.1	407.5	409.1	407.6	409.1
165°	368.4	377.8	387.1	395.0	398.5	402.0	407.8	410.6	411.7	410.2	411.7
167.5°	375.2	382.4	390.0	396.7	399.2	402.7	408.5	410.8	412.3	410.3	412.3
170°	379.0	385.2	391.8	397.3	399.2	402.4	408.2	410.2	411.3	409.4	411.3
172.5°	382.1	386.8	392.1	397.0	398.0	400.5	406.0	408.0	408.8	407.2	408.8
175°	385.2	387.9	391.8	395.0	394.6	396.1	400.8	402.4	403.9	401.6	403.9
177.5°	386.7	387.9	389.2	391.0	389.8	389.8	393.2	394.2	394.5	393.2	394.5
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	851.9	851.1	850.3	851.7	855.3	857.0	853.0	848.9	853.0	857.0	855.3
5°	849.1	848.0	847.5	849.4	853.6	855.5	850.2	844.8	850.2	855.5	853.6
7.5°	843.0	841.8	841.2	842.9	846.9	848.6	843.3	838.0	843.3	848.6	846.9
10°	837.5	836.2	835.1	836.7	841.0	842.9	837.5	832.2	837.5	842.9	841.0
12.5°	830.4	829.3	828.7	830.3	834.1	835.7	830.3	825.0	830.3	835.7	834.1
15°	817.7	816.6	815.8	817.2	821.0	822.4	817.1	811.8	817.1	822.4	821.0
17.5°	801.8	800.6	799.7	801.0	804.5	805.8	800.8	795.8	800.8	805.8	804.5
20°	788.8	788.1	787.9	789.5	792.9	794.3	789.5	784.7	789.5	794.3	792.9
22.5°	774.0	773.9	774.5	776.4	779.6	780.9	776.1	771.3	776.1	780.9	779.6
25°	751.5	751.7	752.5	754.3	757.3	758.3	753.5	748.7	753.5	758.3	757.3
27.5°	727.7	727.8	728.3	729.8	732.3	733.1	729.1	725.1	729.1	733.1	732.3
30°	710.0	710.0	710.6	712.2	714.8	715.8	711.8	707.8	711.8	715.8	714.8
32.5°	691.3	691.0	691.1	692.7	695.8	697.1	693.3	689.5	693.3	697.1	695.8
35°	662.5	662.0	661.7	663.0	666.0	667.4	664.2	660.9	664.2	667.4	666.0
37.5°	631.8	631.5	631.6	633.0	635.7	637.1	634.7	632.2	634.7	637.1	635.7
40°	610.2	610.1	610.3	611.9	614.9	616.4	613.7	611.1	613.7	616.4	614.9
42.5°	588.9	588.6	588.4	589.6	592.1	593.5	591.5	589.4	591.5	593.5	592.1
45°	554.7	554.6	554.6	555.8	558.2	559.5	557.7	555.8	557.7	559.5	558.2
47.5°	519.1	519.1	519.5	520.6	522.4	523.5	522.0	520.6	522.0	523.5	522.4
50°	494.2	494.3	494.8	496.0	497.9	498.8	497.0	495.1	497.0	498.8	497.9
52.5°	469.1	469.5	470.2	471.5	473.4	474.3	472.2	470.1	472.2	474.3	473.4
55°	431.0	431.6	432.7	434.0	435.6	436.2	433.8	431.4	433.8	436.2	435.6
57.5°	391.3	392.1	393.4	394.7	396.1	396.6	394.2	391.9	394.2	396.6	396.1
60°	364.9	365.5	366.6	367.9	369.5	370.2	368.1	365.9	368.1	370.2	369.5
62.5°	337.9	338.6	339.7	341.1	342.9	343.8	341.6	339.5	341.6	343.8	342.9
65°	297.5	298.2	299.3	300.6	302.2	303.0	301.1	299.2	301.1	303.0	302.2
67.5°	255.4	256.4	258.0	259.5	261.1	261.8	260.2	258.6	260.2	261.8	261.1
70°	228.3	229.3	230.7	232.0	233.3	233.9	232.3	230.7	232.3	233.9	233.3
72.5°	200.9	201.8	202.9	204.2	205.8	206.6	205.2	203.8	205.2	206.6	205.8
75°	159.8	160.8	162.2	163.2	164.0	164.4	163.6	162.8	163.6	164.4	164.0
77.5°	118.7	119.5	120.5	121.5	122.5	123.3	123.3	123.3	123.3	123.3	122.5
80°	93.6	94.3	95.1	95.9	96.7	97.3	97.3	97.3	97.3	97.3	96.7
82.5°	67.9	68.7	69.9	70.9	71.7	72.5	72.9	73.3	72.9	72.5	71.7
85°	33.6	34.4	35.5	36.5	37.3	38.0	38.5	39.1	38.5	38.0	37.3
87.5°	9.3	9.9	10.7	11.4	11.8	12.1	12.1	12.3	12.1	12.0	12.0
90°	8.2	7.8	7.8	7.4	6.2	4.7	2.7	1.2	2.7	4.3	7.0
92.5°	9.8	9.7	9.1	8.4	6.9	6.9	6.8	4.3	7.4	10.5	15.1
95°	9.0	9.0	10.5	13.3	19.5	19.9	13.3	12.1	17.2	24.2	30.4
97.5°	24.3	28.9	35.4	36.7	34.7	25.9	24.8	23.1	31.5	38.4	48.5
100°	44.9	50.7	55.4	46.1	36.3	35.9	33.6	32.8	41.8	48.4	58.1
102.5°	70.2	72.0	55.7	50.4	48.2	46.5	42.9	42.5	51.4	60.6	68.8
105°	76.1	68.3	68.7	68.7	67.1	64.0	57.4	57.0	67.1	77.7	87.8
107.5°	89.5	90.7	92.7	92.3	90.5	82.1	74.3	72.5	81.6	94.3	105.5
110°	107.3	108.5	109.3	108.5	105.8	95.2	85.9	83.1	91.3	104.6	116.7



TEST NUMBER: P1427677

CATALOG NUMBER: SQ2W-F-K-025U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	124.5	125.4	127.1	124.7	120.1	108.0	97.4	93.4	101.6	115.2	127.6
115°	151.8	151.8	152.2	151.0	141.7	129.2	115.1	109.3	116.3	128.8	142.4
117.5°	178.7	179.1	177.6	174.4	163.6	149.1	133.3	123.9	129.5	142.7	156.7
120°	195.5	196.3	194.7	190.1	179.5	163.1	145.2	134.3	138.5	151.4	165.5
122.5°	213.0	212.9	211.0	205.7	193.3	176.2	158.6	145.2	147.0	158.9	172.7
125°	237.3	236.9	235.3	229.1	216.2	198.6	178.0	161.6	159.2	169.4	183.4
127.5°	260.4	259.5	257.1	249.5	236.3	219.4	196.7	178.1	172.9	179.3	192.2
130°	276.3	275.1	270.8	262.7	249.8	233.8	210.7	189.7	182.3	186.2	197.5
132.5°	291.6	288.3	284.6	275.8	263.8	247.2	223.9	201.8	191.6	193.3	202.2
135°	311.0	307.9	303.2	294.7	283.3	266.9	243.5	219.7	205.7	204.1	209.2
137.5°	328.1	324.9	319.6	312.1	300.7	286.1	263.7	238.5	220.8	215.6	217.5
140°	338.8	334.8	330.2	322.8	312.6	297.4	275.5	251.3	231.4	224.0	222.8
142.5°	347.5	344.5	339.5	332.7	323.8	308.6	287.4	263.5	242.4	232.8	230.0
145°	360.6	358.3	352.8	346.6	339.1	323.9	304.4	280.6	259.5	247.0	241.2
147.5°	371.7	369.8	365.5	358.2	351.9	337.3	319.6	298.5	276.9	261.4	253.8
150°	378.6	377.0	372.7	365.7	359.4	345.8	328.6	309.1	288.4	272.0	262.3
152.5°	385.1	383.6	378.6	371.6	366.3	353.6	338.0	319.4	298.4	282.0	271.9
155°	393.8	391.8	387.1	380.5	375.8	364.1	349.7	333.3	315.3	298.2	286.8
157.5°	400.6	398.2	393.9	388.2	383.2	372.4	359.8	345.7	330.0	313.6	302.1
160°	404.7	402.0	397.3	392.2	387.5	377.4	366.1	353.2	338.8	323.9	311.4
162.5°	407.5	405.1	399.5	395.0	391.0	381.8	371.1	359.4	346.6	333.6	322.0
165°	410.6	407.8	402.0	398.5	395.0	387.1	377.8	368.4	357.5	346.9	337.6
167.5°	410.8	408.5	402.7	399.2	396.7	390.0	382.4	375.2	366.7	358.4	350.6
170°	410.2	408.2	402.4	399.2	397.3	391.8	385.2	379.0	372.3	365.3	359.0
172.5°	408.0	406.0	400.5	398.0	397.0	392.1	386.8	382.1	376.4	371.2	366.2
175°	402.4	400.8	396.1	394.6	395.0	391.8	387.9	385.2	381.7	378.6	375.8
177.5°	394.2	393.2	389.8	389.8	391.0	389.2	387.9	386.7	385.1	384.2	383.2
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



TEST NUMBER: P1427677

CATALOG NUMBER: SQ2W-F-K-025U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	851.7	850.3	851.1	851.9	852.3	852.7	852.3	851.9	851.1	850.3	851.7
5°	849.4	847.5	848.0	849.1	851.8	854.4	851.8	849.1	848.0	847.5	849.4
7.5°	842.9	841.2	841.8	843.0	845.8	848.5	845.8	843.0	841.8	841.2	842.9
10°	836.7	835.1	836.2	837.5	839.7	841.8	839.7	837.5	836.2	835.1	836.7
12.5°	830.3	828.7	829.3	830.4	832.7	835.1	832.7	830.4	829.3	828.7	830.3
15°	817.2	815.8	816.6	817.7	819.8	822.0	819.8	817.7	816.6	815.8	817.2
17.5°	801.0	799.7	800.6	801.8	803.6	805.5	803.6	801.8	800.6	799.7	801.0
20°	789.5	787.9	788.1	788.8	790.7	792.5	790.7	788.8	788.1	787.9	789.5
22.5°	776.4	774.5	773.9	774.0	776.3	778.6	776.3	774.0	773.9	774.5	776.4
25°	754.3	752.5	751.7	751.5	753.4	755.3	753.4	751.5	751.7	752.5	754.3
27.5°	729.8	728.3	727.8	727.7	729.1	730.4	729.1	727.7	727.8	728.3	729.8
30°	712.2	710.6	710.0	710.0	711.3	712.6	711.3	710.0	710.0	710.6	712.2
32.5°	692.7	691.1	691.0	691.3	692.8	694.4	692.8	691.3	691.0	691.1	692.7
35°	663.0	661.7	662.0	662.5	663.8	665.2	663.8	662.5	662.0	661.7	663.0
37.5°	633.0	631.6	631.5	631.8	632.9	634.0	632.9	631.8	631.5	631.6	633.0
40°	611.9	610.3	610.1	610.2	611.5	612.9	611.5	610.2	610.1	610.3	611.9
42.5°	589.6	588.4	588.6	588.9	589.6	590.3	589.6	588.9	588.6	588.4	589.6
45°	555.8	554.6	554.6	554.7	555.3	555.8	555.3	554.7	554.6	554.6	555.8
47.5°	520.6	519.5	519.1	519.1	520.0	520.8	520.0	519.1	519.1	519.5	520.6
50°	496.0	494.8	494.3	494.2	495.2	496.3	495.2	494.2	494.3	494.8	496.0
52.5°	471.5	470.2	469.5	469.1	470.0	470.8	470.0	469.1	469.5	470.2	471.5
55°	434.0	432.7	431.6	431.0	431.5	432.0	431.5	431.0	431.6	432.7	434.0
57.5°	394.7	393.4	392.1	391.3	392.1	392.8	392.1	391.3	392.1	393.4	394.7
60°	367.9	366.6	365.5	364.9	365.4	365.9	365.4	364.9	365.5	366.6	367.9
62.5°	341.1	339.7	338.6	337.9	338.5	339.0	338.5	337.9	338.6	339.7	341.1
65°	300.6	299.3	298.2	297.5	297.8	298.0	297.8	297.5	298.2	299.3	300.6
67.5°	259.5	258.0	256.4	255.4	255.8	256.2	255.8	255.4	256.4	258.0	259.5
70°	232.0	230.7	229.3	228.3	228.3	228.3	228.3	228.3	229.3	230.7	232.0
72.5°	204.2	202.9	201.8	200.9	200.9	200.9	200.9	200.9	201.8	202.9	204.2
75°	163.2	162.2	160.8	159.8	159.5	159.2	159.5	159.8	160.8	162.2	163.2
77.5°	121.5	120.5	119.5	118.7	118.3	118.0	118.3	118.7	119.5	120.5	121.5
80°	95.9	95.1	94.3	93.6	93.1	92.5	93.1	93.6	94.3	95.1	95.9
82.5°	70.9	69.9	68.7	67.9	68.4	69.0	68.4	67.9	68.7	69.9	70.9
85°	36.5	35.5	34.4	33.6	33.3	33.0	33.3	33.6	34.4	35.5	36.5
87.5°	11.7	11.5	11.2	10.8	10.9	10.6	10.9	10.8	11.2	11.5	11.7
90°	9.0	11.7	14.4	16.0	17.6	16.8	17.6	16.0	14.4	11.7	9.0
92.5°	18.0	22.6	26.0	28.8	30.1	29.9	30.1	28.8	26.0	22.6	18.0
95°	36.3	41.8	47.2	51.1	53.5	52.7	53.5	51.1	47.2	41.8	36.3
97.5°	56.0	63.3	69.4	73.1	75.4	77.0	75.4	73.1	69.4	63.3	56.0
100°	69.1	76.1	83.1	87.4	91.3	92.9	91.3	87.4	83.1	76.1	69.1
102.5°	79.7	88.9	96.6	101.2	104.4	106.0	104.4	101.2	96.6	88.9	79.7
105°	97.2	106.9	115.1	121.0	124.5	125.7	124.5	121.0	115.1	106.9	97.2
107.5°	114.7	124.7	132.3	138.8	143.1	145.6	143.1	138.8	132.3	124.7	114.7
110°	128.4	136.6	144.8	150.6	154.9	156.5	154.9	150.6	144.8	136.6	128.4



TEST NUMBER: P1427677

CATALOG NUMBER: SQ2W-F-K-025U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	140.0	149.1	157.3	163.1	168.0	170.2	168.0	163.1	157.3	149.1	140.0
115°	156.1	168.2	175.6	181.1	184.6	186.5	184.6	181.1	175.6	168.2	156.1
117.5°	169.5	182.2	190.3	194.5	196.1	197.6	196.1	194.5	190.3	182.2	169.5
120°	178.0	189.7	199.0	204.5	206.5	207.2	206.5	204.5	199.0	189.7	178.0
122.5°	185.8	196.9	205.9	212.6	215.8	216.6	215.8	212.6	205.9	196.9	185.8
125°	196.7	207.2	216.6	223.2	226.7	228.7	226.7	223.2	216.6	207.2	196.7
127.5°	206.2	217.6	226.2	232.2	235.6	237.2	235.6	232.2	226.2	217.6	206.2
130°	211.5	223.2	231.8	238.5	241.6	243.1	241.6	238.5	231.8	223.2	211.5
132.5°	215.6	227.9	236.8	242.8	246.3	247.8	246.3	242.8	236.8	227.9	215.6
135°	220.5	233.4	242.7	248.6	251.7	253.3	251.7	248.6	242.7	233.4	220.5
137.5°	224.8	236.5	246.3	252.4	255.2	256.2	255.2	252.4	246.3	236.5	224.8
140°	227.9	238.1	247.8	253.7	256.8	257.2	256.8	253.7	247.8	238.1	227.9
142.5°	232.0	239.9	248.4	254.3	257.4	258.1	257.4	254.3	248.4	239.9	232.0
145°	239.2	243.9	249.8	255.2	258.0	258.7	258.0	255.2	249.8	243.9	239.2
147.5°	248.4	249.8	252.9	256.5	259.1	259.7	259.1	256.5	252.9	249.8	248.4
150°	255.2	254.8	256.0	258.4	260.7	260.3	260.7	258.4	256.0	254.8	255.2
152.5°	263.0	260.8	260.7	261.8	262.9	262.8	262.9	261.8	260.7	260.8	263.0
155°	276.3	272.0	269.7	268.9	268.9	268.5	268.9	268.9	269.7	272.0	276.3
157.5°	290.9	284.9	281.4	279.5	279.0	278.1	279.0	279.5	281.4	284.9	290.9
160°	300.9	294.3	290.7	287.6	286.5	285.3	286.5	287.6	290.7	294.3	300.9
162.5°	310.3	303.9	300.1	297.3	296.1	294.3	296.1	297.3	300.1	303.9	310.3
165°	325.5	318.8	314.6	312.2	310.7	309.1	310.7	312.2	314.6	318.8	325.5
167.5°	340.7	333.4	330.6	328.0	326.5	323.7	326.5	328.0	330.6	333.4	340.7
170°	350.1	343.4	341.9	339.5	336.8	333.7	336.8	339.5	341.9	343.4	350.1
172.5°	358.2	353.7	352.2	349.8	349.0	346.5	349.0	349.8	352.2	353.7	358.2
175°	370.0	366.5	366.5	366.1	364.9	362.6	364.9	366.1	366.5	366.5	370.0
177.5°	379.8	377.9	379.2	379.2	378.9	376.7	378.9	379.2	379.2	377.9	379.8
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4



TEST NUMBER: P1427677

CATALOG NUMBER: SQ2W-F-K-025U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	853.2	853.2	853.2	853.2
2.5°	855.3	857.0	853.0	848.9
5°	853.6	855.5	850.2	844.8
7.5°	846.9	848.6	843.3	838.0
10°	841.0	842.9	837.5	832.2
12.5°	834.1	835.7	830.3	825.0
15°	821.0	822.4	817.1	811.8
17.5°	804.5	805.8	800.8	795.8
20°	792.9	794.3	789.5	784.7
22.5°	779.6	780.9	776.1	771.3
25°	757.3	758.3	753.5	748.7
27.5°	732.3	733.1	729.1	725.1
30°	714.8	715.8	711.8	707.8
32.5°	695.8	697.1	693.3	689.5
35°	666.0	667.4	664.2	660.9
37.5°	635.7	637.1	634.7	632.2
40°	614.9	616.4	613.7	611.1
42.5°	592.1	593.5	591.5	589.4
45°	558.2	559.5	557.7	555.8
47.5°	522.4	523.5	522.0	520.6
50°	497.9	498.8	497.0	495.1
52.5°	473.4	474.3	472.2	470.1
55°	435.6	436.2	433.8	431.4
57.5°	396.1	396.6	394.2	391.9
60°	369.5	370.2	368.1	365.9
62.5°	342.9	343.8	341.6	339.5
65°	302.2	303.0	301.1	299.2
67.5°	261.1	261.8	260.2	258.6
70°	233.3	233.9	232.3	230.7
72.5°	205.8	206.6	205.2	203.8
75°	164.0	164.4	163.6	162.8
77.5°	122.5	123.3	123.3	123.3
80°	96.7	97.3	97.3	97.3
82.5°	71.7	72.5	72.9	73.3
85°	37.3	38.0	38.5	39.1
87.5°	12.0	12.0	12.1	12.3
90°	7.0	4.3	2.7	1.2
92.5°	15.1	10.5	7.4	4.3
95°	30.4	24.2	17.2	12.1
97.5°	48.5	38.4	31.5	23.1
100°	58.1	48.4	41.8	32.8
102.5°	68.8	60.6	51.4	42.5
105°	87.8	77.7	67.1	57.0
107.5°	105.5	94.3	81.6	72.5
110°	116.7	104.6	91.3	83.1



TEST NUMBER: P1427677

CATALOG NUMBER: SQ2W-F-K-025U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	127.6	115.2	101.6	93.4
115°	142.4	128.8	116.3	109.3
117.5°	156.7	142.7	129.5	123.9
120°	165.5	151.4	138.5	134.3
122.5°	172.7	158.9	147.0	145.2
125°	183.4	169.4	159.2	161.6
127.5°	192.2	179.3	172.9	178.1
130°	197.5	186.2	182.3	189.7
132.5°	202.2	193.3	191.6	201.8
135°	209.2	204.1	205.7	219.7
137.5°	217.5	215.6	220.8	238.5
140°	222.8	224.0	231.4	251.3
142.5°	230.0	232.8	242.4	263.5
145°	241.2	247.0	259.5	280.6
147.5°	253.8	261.4	276.9	298.5
150°	262.3	272.0	288.4	309.1
152.5°	271.9	282.0	298.4	319.4
155°	286.8	298.2	315.3	333.3
157.5°	302.1	313.6	330.0	345.7
160°	311.4	323.9	338.8	353.2
162.5°	322.0	333.6	346.6	359.4
165°	337.6	346.9	357.5	368.4
167.5°	350.6	358.4	366.7	375.2
170°	359.0	365.3	372.3	379.0
172.5°	366.2	371.2	376.4	382.1
175°	375.8	378.6	381.7	385.2
177.5°	383.2	384.2	385.1	386.7
180°	386.4	386.4	386.4	386.4



TEST NUMBER: P1427677
 CATALOG NUMBER: SQ2W-F-K-025U-050D-L840-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	18.49	19.56	19.27	20.36	21.35	18.40	19.47	19.18	20.28	21.26
	3H	20.29	21.25	21.09	22.07	23.09	20.19	21.15	20.99	21.97	22.98
	4H	21.00	21.90	21.81	22.73	23.76	20.88	21.79	21.70	22.62	23.64
	6H	21.45	22.28	22.27	23.12	24.16	21.30	22.14	22.13	22.98	24.02
	8H	21.61	22.41	22.45	23.26	24.30	21.46	22.25	22.29	23.11	24.15
	12H	21.70	22.46	22.54	23.31	24.38	21.53	22.29	22.37	23.13	24.20
4H	2H	19.09	20.00	19.91	20.82	21.85	19.03	19.93	19.84	20.76	21.78
	3H	21.13	21.89	21.96	22.75	23.79	21.04	21.80	21.87	22.66	23.70
	4H	21.95	22.65	22.80	23.50	24.57	21.84	22.54	22.69	23.39	24.46
	6H	22.52	23.12	23.38	24.00	25.07	22.38	22.98	23.24	23.86	24.93
	8H	22.74	23.30	23.60	24.17	25.26	22.58	23.14	23.44	24.01	25.10
	12H	22.86	23.37	23.74	24.26	25.36	22.68	23.18	23.56	24.08	25.17
8H	4H	22.22	22.78	23.08	23.65	24.74	22.12	22.68	22.98	23.55	24.64
	6H	22.91	23.38	23.80	24.30	25.38	22.78	23.25	23.67	24.17	25.25
	8H	23.22	23.63	24.12	24.54	25.65	23.07	23.48	23.97	24.39	25.49
	12H	23.41	23.78	24.32	24.68	25.84	23.22	23.59	24.13	24.49	25.65
12H	4H	22.22	22.73	23.10	23.62	24.71	22.13	22.63	23.01	23.53	24.62
	6H	22.97	23.38	23.87	24.29	25.39	22.84	23.25	23.74	24.16	25.27
	8H	23.31	23.67	24.21	24.58	25.73	23.16	23.52	24.06	24.43	25.58