

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: P1427675

Luminaire Tested: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427675
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-L830-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

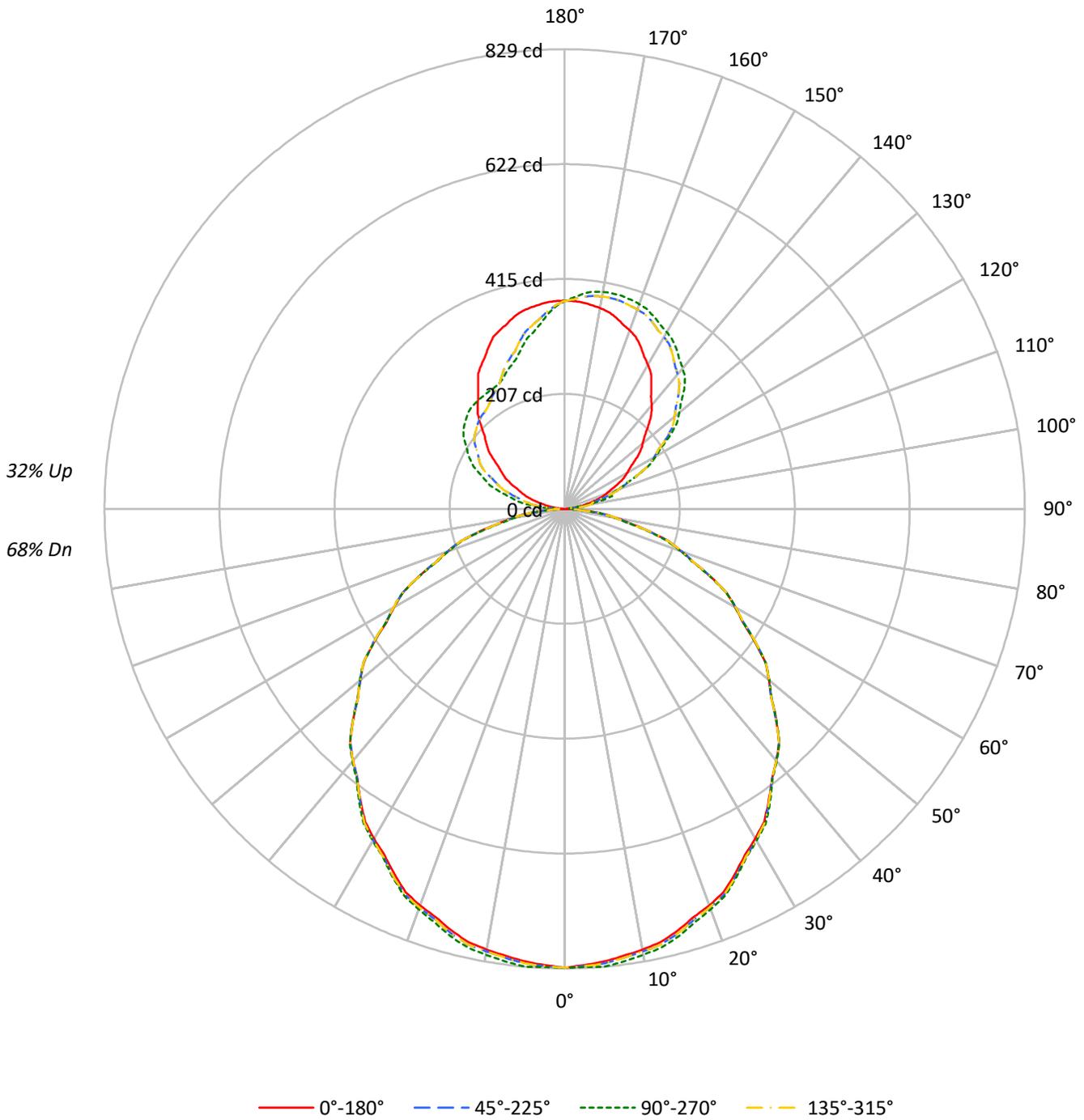
Lumens per Lamp: N/A
Luminaire Lumens: 3425.7 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-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	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°	13365	13365	13365	13365
5°	13283	13434	13283	13434
10°	13237	13389	13237	13389
15°	13165	13330	13165	13330
20°	13080	13211	13080	13211
25°	12939	13055	12939	13055
30°	12802	12890	12802	12890
35°	12638	12719	12638	12719
40°	12496	12532	12496	12532
45°	12312	12312	12312	12312
50°	12064	12094	12064	12094
55°	11783	11797	11783	11797
60°	11463	11463	11463	11463
65°	11091	11045	11091	11045
70°	10565	10456	10565	10456
75°	9856	9638	9856	9638
80°	8777	8349	8777	8349
85°	7021	5947	7021	5947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12394 cd/sqm



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	2.3
10°-20°	223.8	6.5
20°-30°	336.9	9.8
30°-40°	402.8	11.8
40°-50°	416.0	12.1
50°-60°	375.2	11.0
60°-70°	287.4	8.4
70°-80°	166.1	4.8
80°-90°	44.7	1.3
90°-100°	29.8	0.9
100°-110°	87.0	2.5
110°-120°	142.0	4.1
120°-130°	180.2	5.3
130°-140°	192.8	5.6
140°-150°	180.0	5.3
150°-160°	148.1	4.3
160°-170°	99.3	2.9
170°-180°	35.3	1.0
0°-30°	639.0	18.7
0°-40°	1041.8	30.4
0°-60°	1833.0	53.5
0°-90°	2331.2	68.1
90°-120°	258.8	7.6
90°-150°	811.7	23.7
90°-180°	1094.0	31.9
0°-180°	3425.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	828	828	828	828	828	
5°	820	829	820	829	820	78
15°	788	798	788	798	788	222
25°	726	733	726	733	726	335
35°	641	645	641	645	641	401
45°	539	539	539	539	539	416
55°	419	419	419	419	419	374
65°	290	289	290	289	290	287
75°	158	154	158	154	158	167
85°	38	32	38	32	38	44
90°	1	8	1	16	1	3
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	104
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	351	272	251	272	170
155°	323	382	323	260	323	149
165°	357	398	357	300	357	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	823.6	827.5	831.5	829.8	826.3	824.9	825.8	826.5	826.9	827.3	826.9
5°	819.6	824.8	830.0	828.2	824.0	822.2	822.7	823.8	826.4	828.9	826.4
7.5°	813.0	818.2	823.3	821.7	817.7	816.1	816.7	817.8	820.5	823.2	820.5
10°	807.4	812.6	817.7	815.9	811.8	810.2	811.3	812.6	814.6	816.7	814.6
12.5°	800.4	805.6	810.7	809.2	805.5	804.0	804.6	805.6	807.9	810.2	807.9
15°	787.6	792.7	797.9	796.5	792.9	791.4	792.2	793.3	795.4	797.5	795.4
17.5°	772.0	776.9	781.8	780.5	777.1	775.9	776.8	777.9	779.7	781.5	779.7
20°	761.3	766.0	770.6	769.3	765.9	764.4	764.6	765.3	767.1	768.9	767.1
22.5°	748.3	752.9	757.6	756.4	753.2	751.4	750.8	750.9	753.1	755.4	753.1
25°	726.3	731.0	735.7	734.7	731.9	730.0	729.3	729.1	730.9	732.8	730.9
27.5°	703.5	707.4	711.3	710.5	708.1	706.6	706.1	706.0	707.3	708.6	707.3
30°	686.7	690.6	694.5	693.5	690.9	689.4	688.8	688.8	690.1	691.4	690.1
32.5°	669.0	672.7	676.3	675.0	672.0	670.4	670.3	670.6	672.1	673.6	672.1
35°	641.2	644.3	647.5	646.1	643.2	641.9	642.2	642.7	644.0	645.3	644.0
37.5°	613.4	615.8	618.1	616.8	614.1	612.8	612.7	612.9	614.0	615.1	614.0
40°	592.9	595.4	598.0	596.5	593.7	592.1	591.9	592.0	593.3	594.6	593.3
42.5°	571.9	573.8	575.8	574.5	572.0	570.9	571.0	571.3	572.0	572.7	572.0
45°	539.2	541.0	542.8	541.6	539.2	538.1	538.1	538.2	538.7	539.2	538.7
47.5°	505.1	506.5	507.9	506.8	505.0	504.0	503.7	503.6	504.5	505.3	504.5
50°	480.3	482.2	484.0	483.1	481.3	480.1	479.6	479.4	480.5	481.5	480.5
52.5°	456.1	458.1	460.1	459.3	457.5	456.2	455.5	455.1	456.0	456.8	456.0
55°	418.6	420.9	423.2	422.6	421.1	419.8	418.7	418.1	418.6	419.1	418.6
57.5°	380.2	382.5	384.8	384.3	383.0	381.7	380.4	379.7	380.4	381.1	380.4
60°	355.0	357.1	359.2	358.5	357.0	355.7	354.6	354.0	354.5	355.0	354.5
62.5°	329.4	331.4	333.5	332.7	330.9	329.5	328.5	327.9	328.4	328.9	328.4
65°	290.3	292.1	293.9	293.2	291.7	290.4	289.3	288.6	288.9	289.1	288.9
67.5°	250.9	252.5	254.0	253.3	251.8	250.3	248.8	247.7	248.2	248.6	248.2
70°	223.8	225.4	227.0	226.4	225.1	223.8	222.5	221.5	221.5	221.5	221.5
72.5°	197.7	199.1	200.4	199.6	198.1	196.8	195.8	194.9	194.9	194.9	194.9
75°	158.0	158.8	159.5	159.1	158.4	157.3	156.0	155.0	154.7	154.5	154.7
77.5°	119.6	119.6	119.6	118.9	117.9	116.9	115.9	115.1	114.8	114.5	114.8
80°	94.4	94.4	94.4	93.9	93.1	92.3	91.5	90.8	90.3	89.8	90.3
82.5°	71.1	70.7	70.3	69.6	68.8	67.8	66.6	65.9	66.4	66.9	66.4
85°	37.9	37.4	36.9	36.1	35.4	34.5	33.4	32.6	32.3	32.1	32.3
87.5°	11.9	11.8	11.7	11.5	11.1	10.4	9.6	9.0	8.9	8.7	8.9
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.8	9.8	9.8
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.1	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.8	35.2	44.7	53.8	49.2	43.5	41.6	40.5	41.6
102.5°	41.2	41.6	45.1	46.7	48.9	54.1	69.8	68.1	66.8	66.6	66.8
105°	55.3	55.7	62.1	65.1	66.6	66.6	66.3	73.8	85.9	88.6	85.9
107.5°	70.3	72.1	79.7	87.8	89.5	90.0	88.0	86.9	86.4	86.7	86.4
110°	80.6	83.3	92.4	102.6	105.3	106.0	105.3	104.1	103.4	103.4	103.4



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.6	94.5	104.8	116.5	121.0	123.3	121.6	120.8	120.0	120.6	120.0
115°	106.0	111.7	125.3	137.4	146.5	147.7	147.3	147.3	146.9	146.9	146.9
117.5°	120.3	129.3	144.6	158.7	169.2	172.3	173.8	173.3	172.9	173.6	172.9
120°	130.2	140.8	158.3	174.2	184.4	188.9	190.4	189.7	190.4	189.7	190.4
122.5°	140.8	153.9	171.0	187.5	199.5	204.7	206.5	206.7	206.8	206.4	206.8
125°	156.8	172.7	192.7	209.8	222.3	228.3	229.8	230.2	231.0	232.9	231.0
127.5°	172.8	190.8	212.9	229.3	242.1	249.4	251.8	252.6	254.2	255.0	254.2
130°	184.0	204.5	226.8	242.3	254.8	262.8	266.9	268.1	270.0	269.6	270.0
132.5°	195.8	217.2	239.8	256.0	267.5	276.1	279.7	282.9	283.6	284.1	283.6
135°	213.2	236.3	259.0	274.9	285.9	294.2	298.7	301.8	303.7	304.8	303.7
137.5°	231.4	255.8	277.6	291.8	302.8	310.0	315.2	318.4	320.3	321.2	320.3
140°	243.8	267.3	288.5	303.3	313.1	320.3	324.9	328.6	330.9	330.9	330.9
142.5°	255.6	278.8	299.4	314.2	322.8	329.4	334.3	337.1	339.7	339.7	339.7
145°	272.2	295.3	314.3	329.0	336.2	342.3	347.6	349.9	351.4	351.4	351.4
147.5°	289.6	310.0	327.3	341.4	347.5	354.6	358.8	360.6	362.5	361.7	362.5
150°	299.9	318.8	335.5	348.7	354.8	361.6	365.8	367.3	369.2	368.0	369.2
152.5°	309.9	327.9	343.0	355.4	360.5	367.3	372.1	373.6	374.9	374.1	374.9
155°	323.3	339.3	353.3	364.6	369.2	375.6	380.1	382.0	383.6	381.7	383.6
157.5°	335.4	349.1	361.3	371.7	376.6	382.1	386.4	388.7	390.2	389.4	390.2
160°	342.7	355.2	366.1	376.0	380.5	385.4	390.0	392.6	394.2	393.0	394.2
162.5°	348.7	360.0	370.4	379.3	383.2	387.6	393.0	395.4	396.9	395.4	396.9
165°	357.4	366.5	375.6	383.2	386.6	390.0	395.7	398.3	399.5	397.9	399.5
167.5°	364.0	371.0	378.3	384.8	387.3	390.7	396.3	398.5	400.0	398.1	400.0
170°	367.6	373.7	380.1	385.4	387.3	390.4	396.0	397.9	399.1	397.2	399.1
172.5°	370.7	375.2	380.4	385.1	386.1	388.5	393.9	395.8	396.7	395.1	396.7
175°	373.7	376.4	380.1	383.2	382.8	384.3	388.9	390.4	391.9	389.6	391.9
177.5°	375.1	376.4	377.6	379.4	378.2	378.2	381.5	382.4	382.7	381.5	382.7
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	826.5	825.8	824.9	826.3	829.8	831.5	827.5	823.6	827.5	831.5	829.8
5°	823.8	822.7	822.2	824.0	828.2	830.0	824.8	819.6	824.8	830.0	828.2
7.5°	817.8	816.7	816.1	817.7	821.7	823.3	818.2	813.0	818.2	823.3	821.7
10°	812.6	811.3	810.2	811.8	815.9	817.7	812.6	807.4	812.6	817.7	815.9
12.5°	805.6	804.6	804.0	805.5	809.2	810.7	805.6	800.4	805.6	810.7	809.2
15°	793.3	792.2	791.4	792.9	796.5	797.9	792.7	787.6	792.7	797.9	796.5
17.5°	777.9	776.8	775.9	777.1	780.5	781.8	776.9	772.0	776.9	781.8	780.5
20°	765.3	764.6	764.4	765.9	769.3	770.6	766.0	761.3	766.0	770.6	769.3
22.5°	750.9	750.8	751.4	753.2	756.4	757.6	752.9	748.3	752.9	757.6	756.4
25°	729.1	729.3	730.0	731.9	734.7	735.7	731.0	726.3	731.0	735.7	734.7
27.5°	706.0	706.1	706.6	708.1	710.5	711.3	707.4	703.5	707.4	711.3	710.5
30°	688.8	688.8	689.4	690.9	693.5	694.5	690.6	686.7	690.6	694.5	693.5
32.5°	670.6	670.3	670.4	672.0	675.0	676.3	672.7	669.0	672.7	676.3	675.0
35°	642.7	642.2	641.9	643.2	646.1	647.5	644.3	641.2	644.3	647.5	646.1
37.5°	612.9	612.7	612.8	614.1	616.8	618.1	615.8	613.4	615.8	618.1	616.8
40°	592.0	591.9	592.1	593.7	596.5	598.0	595.4	592.9	595.4	598.0	596.5
42.5°	571.3	571.0	570.9	572.0	574.5	575.8	573.8	571.9	573.8	575.8	574.5
45°	538.2	538.1	538.1	539.2	541.6	542.8	541.0	539.2	541.0	542.8	541.6
47.5°	503.6	503.7	504.0	505.0	506.8	507.9	506.5	505.1	506.5	507.9	506.8
50°	479.4	479.6	480.1	481.3	483.1	484.0	482.2	480.3	482.2	484.0	483.1
52.5°	455.1	455.5	456.2	457.5	459.3	460.1	458.1	456.1	458.1	460.1	459.3
55°	418.1	418.7	419.8	421.1	422.6	423.2	420.9	418.6	420.9	423.2	422.6
57.5°	379.7	380.4	381.7	383.0	384.3	384.8	382.5	380.2	382.5	384.8	384.3
60°	354.0	354.6	355.7	357.0	358.5	359.2	357.1	355.0	357.1	359.2	358.5
62.5°	327.9	328.5	329.5	330.9	332.7	333.5	331.4	329.4	331.4	333.5	332.7
65°	288.6	289.3	290.4	291.7	293.2	293.9	292.1	290.3	292.1	293.9	293.2
67.5°	247.7	248.8	250.3	251.8	253.3	254.0	252.5	250.9	252.5	254.0	253.3
70°	221.5	222.5	223.8	225.1	226.4	227.0	225.4	223.8	225.4	227.0	226.4
72.5°	194.9	195.8	196.8	198.1	199.6	200.4	199.1	197.7	199.1	200.4	199.6
75°	155.0	156.0	157.3	158.4	159.1	159.5	158.8	158.0	158.8	159.5	159.1
77.5°	115.1	115.9	116.9	117.9	118.9	119.6	119.6	119.6	119.6	119.6	118.9
80°	90.8	91.5	92.3	93.1	93.9	94.4	94.4	94.4	94.4	94.4	93.9
82.5°	65.9	66.6	67.8	68.8	69.6	70.3	70.7	71.1	70.7	70.3	69.6
85°	32.6	33.4	34.5	35.4	36.1	36.9	37.4	37.9	37.4	36.9	36.1
87.5°	9.0	9.6	10.4	11.1	11.5	11.7	11.8	11.9	11.8	11.7	11.6
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.5
97.5°	23.6	28.0	34.4	35.6	33.7	25.1	24.1	22.4	30.5	37.3	47.0
100°	43.5	49.2	53.8	44.7	35.2	34.8	32.6	31.8	40.5	46.9	56.4
102.5°	68.1	69.8	54.1	48.9	46.7	45.1	41.6	41.2	49.9	58.8	66.7
105°	73.8	66.3	66.6	66.6	65.1	62.1	55.7	55.3	65.1	75.3	85.2
107.5°	86.9	88.0	90.0	89.5	87.8	79.7	72.1	70.3	79.2	91.5	102.3
110°	104.1	105.3	106.0	105.3	102.6	92.4	83.3	80.6	88.6	101.5	113.2



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.8	121.6	123.3	121.0	116.5	104.8	94.5	90.6	98.6	111.8	123.8
115°	147.3	147.3	147.7	146.5	137.4	125.3	111.7	106.0	112.8	124.9	138.2
117.5°	173.3	173.8	172.3	169.2	158.7	144.6	129.3	120.3	125.6	138.4	152.1
120°	189.7	190.4	188.9	184.4	174.2	158.3	140.8	130.2	134.4	146.9	160.5
122.5°	206.7	206.5	204.7	199.5	187.5	171.0	153.9	140.8	142.6	154.2	167.5
125°	230.2	229.8	228.3	222.3	209.8	192.7	172.7	156.8	154.5	164.3	178.0
127.5°	252.6	251.8	249.4	242.1	229.3	212.9	190.8	172.8	167.7	173.9	186.4
130°	268.1	266.9	262.8	254.8	242.3	226.8	204.5	184.0	176.8	180.6	191.6
132.5°	282.9	279.7	276.1	267.5	256.0	239.8	217.2	195.8	185.9	187.6	196.1
135°	301.8	298.7	294.2	285.9	274.9	259.0	236.3	213.2	199.5	198.0	202.9
137.5°	318.4	315.2	310.0	302.8	291.8	277.6	255.8	231.4	214.2	209.2	211.0
140°	328.6	324.9	320.3	313.1	303.3	288.5	267.3	243.8	224.5	217.3	216.2
142.5°	337.1	334.3	329.4	322.8	314.2	299.4	278.8	255.6	235.1	225.8	223.2
145°	349.9	347.6	342.3	336.2	329.0	314.3	295.3	272.2	251.8	239.7	234.0
147.5°	360.6	358.8	354.6	347.5	341.4	327.3	310.0	289.6	268.6	253.6	246.3
150°	367.3	365.8	361.6	354.8	348.7	335.5	318.8	299.9	279.8	263.9	254.4
152.5°	373.6	372.1	367.3	360.5	355.4	343.0	327.9	309.9	289.5	273.6	263.8
155°	382.0	380.1	375.6	369.2	364.6	353.3	339.3	323.3	305.9	289.3	278.3
157.5°	388.7	386.4	382.1	376.6	371.7	361.3	349.1	335.4	320.2	304.3	293.1
160°	392.6	390.0	385.4	380.5	376.0	366.1	355.2	342.7	328.6	314.3	302.1
162.5°	395.4	393.0	387.6	383.2	379.3	370.4	360.0	348.7	336.2	323.7	312.4
165°	398.3	395.7	390.0	386.6	383.2	375.6	366.5	357.4	346.8	336.6	327.5
167.5°	398.5	396.3	390.7	387.3	384.8	378.3	371.0	364.0	355.8	347.7	340.2
170°	397.9	396.0	390.4	387.3	385.4	380.1	373.7	367.6	361.2	354.4	348.3
172.5°	395.8	393.9	388.5	386.1	385.1	380.4	375.2	370.7	365.1	360.2	355.3
175°	390.4	388.9	384.3	382.8	383.2	380.1	376.4	373.7	370.3	367.3	364.6
177.5°	382.4	381.5	378.2	378.2	379.4	377.6	376.4	375.1	373.6	372.7	371.8
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	826.3	824.9	825.8	826.5	826.9	827.3	826.9	826.5	825.8	824.9	826.3
5°	824.0	822.2	822.7	823.8	826.4	828.9	826.4	823.8	822.7	822.2	824.0
7.5°	817.7	816.1	816.7	817.8	820.5	823.2	820.5	817.8	816.7	816.1	817.7
10°	811.8	810.2	811.3	812.6	814.6	816.7	814.6	812.6	811.3	810.2	811.8
12.5°	805.5	804.0	804.6	805.6	807.9	810.2	807.9	805.6	804.6	804.0	805.5
15°	792.9	791.4	792.2	793.3	795.4	797.5	795.4	793.3	792.2	791.4	792.9
17.5°	777.1	775.9	776.8	777.9	779.7	781.5	779.7	777.9	776.8	775.9	777.1
20°	765.9	764.4	764.6	765.3	767.1	768.9	767.1	765.3	764.6	764.4	765.9
22.5°	753.2	751.4	750.8	750.9	753.1	755.4	753.1	750.9	750.8	751.4	753.2
25°	731.9	730.0	729.3	729.1	730.9	732.8	730.9	729.1	729.3	730.0	731.9
27.5°	708.1	706.6	706.1	706.0	707.3	708.6	707.3	706.0	706.1	706.6	708.1
30°	690.9	689.4	688.8	688.8	690.1	691.4	690.1	688.8	688.8	689.4	690.9
32.5°	672.0	670.4	670.3	670.6	672.1	673.6	672.1	670.6	670.3	670.4	672.0
35°	643.2	641.9	642.2	642.7	644.0	645.3	644.0	642.7	642.2	641.9	643.2
37.5°	614.1	612.8	612.7	612.9	614.0	615.1	614.0	612.9	612.7	612.8	614.1
40°	593.7	592.1	591.9	592.0	593.3	594.6	593.3	592.0	591.9	592.1	593.7
42.5°	572.0	570.9	571.0	571.3	572.0	572.7	572.0	571.3	571.0	570.9	572.0
45°	539.2	538.1	538.1	538.2	538.7	539.2	538.7	538.2	538.1	538.1	539.2
47.5°	505.0	504.0	503.7	503.6	504.5	505.3	504.5	503.6	503.7	504.0	505.0
50°	481.3	480.1	479.6	479.4	480.5	481.5	480.5	479.4	479.6	480.1	481.3
52.5°	457.5	456.2	455.5	455.1	456.0	456.8	456.0	455.1	455.5	456.2	457.5
55°	421.1	419.8	418.7	418.1	418.6	419.1	418.6	418.1	418.7	419.8	421.1
57.5°	383.0	381.7	380.4	379.7	380.4	381.1	380.4	379.7	380.4	381.7	383.0
60°	357.0	355.7	354.6	354.0	354.5	355.0	354.5	354.0	354.6	355.7	357.0
62.5°	330.9	329.5	328.5	327.9	328.4	328.9	328.4	327.9	328.5	329.5	330.9
65°	291.7	290.4	289.3	288.6	288.9	289.1	288.9	288.6	289.3	290.4	291.7
67.5°	251.8	250.3	248.8	247.7	248.2	248.6	248.2	247.7	248.8	250.3	251.8
70°	225.1	223.8	222.5	221.5	221.5	221.5	221.5	221.5	222.5	223.8	225.1
72.5°	198.1	196.8	195.8	194.9	194.9	194.9	194.9	194.9	195.8	196.8	198.1
75°	158.4	157.3	156.0	155.0	154.7	154.5	154.7	155.0	156.0	157.3	158.4
77.5°	117.9	116.9	115.9	115.1	114.8	114.5	114.8	115.1	115.9	116.9	117.9
80°	93.1	92.3	91.5	90.8	90.3	89.8	90.3	90.8	91.5	92.3	93.1
82.5°	68.8	67.8	66.6	65.9	66.4	66.9	66.4	65.9	66.6	67.8	68.8
85°	35.4	34.5	33.4	32.6	32.3	32.1	32.3	32.6	33.4	34.5	35.4
87.5°	11.4	11.2	10.9	10.5	10.6	10.3	10.6	10.5	10.9	11.2	11.4
90°	8.7	11.4	14.0	15.5	17.0	16.3	17.0	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	27.9	29.2	29.0	29.2	27.9	25.2	22.0	17.5
95°	35.2	40.5	45.8	49.6	51.9	51.1	51.9	49.6	45.8	40.5	35.2
97.5°	54.3	61.4	67.3	70.9	73.2	74.7	73.2	70.9	67.3	61.4	54.3
100°	67.0	73.8	80.6	84.8	88.6	90.1	88.6	84.8	80.6	73.8	67.0
102.5°	77.3	86.3	93.7	98.1	101.3	102.8	101.3	98.1	93.7	86.3	77.3
105°	94.3	103.7	111.7	117.4	120.8	121.9	120.8	117.4	111.7	103.7	94.3
107.5°	111.2	121.0	128.4	134.6	138.8	141.2	138.8	134.6	128.4	121.0	111.2
110°	124.6	132.5	140.5	146.2	150.3	151.8	150.3	146.2	140.5	132.5	124.6



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.8	144.6	152.6	158.3	163.0	165.2	163.0	158.3	152.6	144.6	135.8
115°	151.5	163.2	170.4	175.7	179.1	181.0	179.1	175.7	170.4	163.2	151.5
117.5°	164.5	176.7	184.6	188.7	190.3	191.7	190.3	188.7	184.6	176.7	164.5
120°	172.7	184.0	193.1	198.4	200.3	201.1	200.3	198.4	193.1	184.0	172.7
122.5°	180.2	191.0	199.8	206.3	209.4	210.1	209.4	206.3	199.8	191.0	180.2
125°	190.8	201.1	210.1	216.6	220.0	221.9	220.0	216.6	210.1	201.1	190.8
127.5°	200.1	211.1	219.5	225.3	228.6	230.1	228.6	225.3	219.5	211.1	200.1
130°	205.2	216.6	224.9	231.3	234.4	235.9	234.4	231.3	224.9	216.6	205.2
132.5°	209.2	221.1	229.8	235.6	238.9	240.4	238.9	235.6	229.8	221.1	209.2
135°	213.9	226.4	235.5	241.2	244.2	245.7	244.2	241.2	235.5	226.4	213.9
137.5°	218.1	229.4	238.9	244.9	247.6	248.6	247.6	244.9	238.9	229.4	218.1
140°	221.1	231.0	240.4	246.1	249.1	249.5	249.1	246.1	240.4	231.0	221.1
142.5°	225.1	232.8	241.0	246.7	249.7	250.4	249.7	246.7	241.0	232.8	225.1
145°	232.1	236.6	242.3	247.6	250.3	251.0	250.3	247.6	242.3	236.6	232.1
147.5°	241.0	242.4	245.4	248.8	251.4	251.9	251.4	248.8	245.4	242.4	241.0
150°	247.6	247.2	248.4	250.7	252.9	252.5	252.9	250.7	248.4	247.2	247.6
152.5°	255.2	253.0	252.9	254.0	255.0	255.0	255.0	254.0	252.9	253.0	255.2
155°	268.1	263.9	261.6	260.9	260.9	260.5	260.9	260.9	261.6	263.9	268.1
157.5°	282.2	276.4	273.0	271.2	270.6	269.8	270.6	271.2	273.0	276.4	282.2
160°	291.9	285.5	282.1	279.0	277.9	276.8	277.9	279.0	282.1	285.5	291.9
162.5°	301.0	294.9	291.2	288.4	287.3	285.6	287.3	288.4	291.2	294.9	301.0
165°	315.8	309.3	305.2	302.9	301.4	299.9	301.4	302.9	305.2	309.3	315.8
167.5°	330.5	323.5	320.8	318.2	316.8	314.0	316.8	318.2	320.8	323.5	330.5
170°	339.6	333.2	331.7	329.4	326.8	323.7	326.8	329.4	331.7	333.2	339.6
172.5°	347.5	343.2	341.7	339.4	338.6	336.1	338.6	339.4	341.7	343.2	347.5
175°	358.9	355.5	355.5	355.2	354.0	351.7	354.0	355.2	355.5	355.5	358.9
177.5°	368.5	366.7	367.9	367.9	367.6	365.5	367.6	367.9	367.9	366.7	368.5
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	827.8	827.8	827.8	827.8
2.5°	829.8	831.5	827.5	823.6
5°	828.2	830.0	824.8	819.6
7.5°	821.7	823.3	818.2	813.0
10°	815.9	817.7	812.6	807.4
12.5°	809.2	810.7	805.6	800.4
15°	796.5	797.9	792.7	787.6
17.5°	780.5	781.8	776.9	772.0
20°	769.3	770.6	766.0	761.3
22.5°	756.4	757.6	752.9	748.3
25°	734.7	735.7	731.0	726.3
27.5°	710.5	711.3	707.4	703.5
30°	693.5	694.5	690.6	686.7
32.5°	675.0	676.3	672.7	669.0
35°	646.1	647.5	644.3	641.2
37.5°	616.8	618.1	615.8	613.4
40°	596.5	598.0	595.4	592.9
42.5°	574.5	575.8	573.8	571.9
45°	541.6	542.8	541.0	539.2
47.5°	506.8	507.9	506.5	505.1
50°	483.1	484.0	482.2	480.3
52.5°	459.3	460.1	458.1	456.1
55°	422.6	423.2	420.9	418.6
57.5°	384.3	384.8	382.5	380.2
60°	358.5	359.2	357.1	355.0
62.5°	332.7	333.5	331.4	329.4
65°	293.2	293.9	292.1	290.3
67.5°	253.3	254.0	252.5	250.9
70°	226.4	227.0	225.4	223.8
72.5°	199.6	200.4	199.1	197.7
75°	159.1	159.5	158.8	158.0
77.5°	118.9	119.6	119.6	119.6
80°	93.9	94.4	94.4	94.4
82.5°	69.6	70.3	70.7	71.1
85°	36.1	36.9	37.4	37.9
87.5°	11.6	11.7	11.8	11.9
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.5	23.5	16.7	11.7
97.5°	47.0	37.3	30.5	22.4
100°	56.4	46.9	40.5	31.8
102.5°	66.7	58.8	49.9	41.2
105°	85.2	75.3	65.1	55.3
107.5°	102.3	91.5	79.2	70.3
110°	113.2	101.5	88.6	80.6

TEST NUMBER: P1427675

CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.8	111.8	98.6	90.6
115°	138.2	124.9	112.8	106.0
117.5°	152.1	138.4	125.6	120.3
120°	160.5	146.9	134.4	130.2
122.5°	167.5	154.2	142.6	140.8
125°	178.0	164.3	154.5	156.8
127.5°	186.4	173.9	167.7	172.8
130°	191.6	180.6	176.8	184.0
132.5°	196.1	187.6	185.9	195.8
135°	202.9	198.0	199.5	213.2
137.5°	211.0	209.2	214.2	231.4
140°	216.2	217.3	224.5	243.8
142.5°	223.2	225.8	235.1	255.6
145°	234.0	239.7	251.8	272.2
147.5°	246.3	253.6	268.6	289.6
150°	254.4	263.9	279.8	299.9
152.5°	263.8	273.6	289.5	309.9
155°	278.3	289.3	305.9	323.3
157.5°	293.1	304.3	320.2	335.4
160°	302.1	314.3	328.6	342.7
162.5°	312.4	323.7	336.2	348.7
165°	327.5	336.6	346.8	357.4
167.5°	340.2	347.7	355.8	364.0
170°	348.3	354.4	361.2	367.6
172.5°	355.3	360.2	365.1	370.7
175°	364.6	367.3	370.3	373.7
177.5°	371.8	372.7	373.6	375.1
180°	374.8	374.8	374.8	374.8



TEST NUMBER: P1427675
 CATALOG NUMBER: SQ2W-F-K-025U-050D-L830-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	18.38	19.45	19.17	20.26	21.24	18.30	19.37	19.08	20.17	21.16
	3H	20.19	21.15	20.98	21.97	22.98	20.09	21.05	20.88	21.86	22.88
	4H	20.89	21.80	21.71	22.63	23.65	20.78	21.69	21.59	22.51	23.54
	6H	21.34	22.18	22.17	23.01	24.05	21.20	22.04	22.02	22.87	23.91
	8H	21.51	22.31	22.34	23.16	24.20	21.35	22.15	22.19	23.00	24.04
	12H	21.60	22.36	22.44	23.21	24.27	21.42	22.18	22.26	23.03	24.10
4H	2H	18.99	19.90	19.80	20.72	21.75	18.92	19.83	19.74	20.65	21.68
	3H	21.03	21.79	21.86	22.65	23.69	20.93	21.69	21.76	22.55	23.60
	4H	21.85	22.54	22.69	23.40	24.47	21.74	22.43	22.58	23.29	24.36
	6H	22.41	23.01	23.27	23.89	24.97	22.27	22.87	23.13	23.75	24.83
	8H	22.63	23.19	23.50	24.07	25.16	22.47	23.03	23.34	23.91	25.00
	12H	22.76	23.26	23.64	24.16	25.25	22.57	23.08	23.45	23.97	25.07
8H	4H	22.11	22.67	22.97	23.55	24.63	22.01	22.57	22.88	23.45	24.54
	6H	22.81	23.27	23.70	24.19	25.28	22.68	23.14	23.57	24.06	25.15
	8H	23.12	23.53	24.02	24.44	25.54	22.96	23.37	23.86	24.28	25.39
	12H	23.31	23.67	24.21	24.58	25.73	23.12	23.48	24.02	24.38	25.54
12H	4H	22.12	22.62	23.00	23.52	24.61	22.02	22.53	22.90	23.42	24.52
	6H	22.86	23.27	23.76	24.19	25.29	22.74	23.15	23.64	24.06	25.16
	8H	23.21	23.57	24.11	24.47	25.63	23.05	23.42	23.96	24.32	25.48