

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: P1435912

Luminaire Tested: SQ2W-FB-K-025U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435912
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-025U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

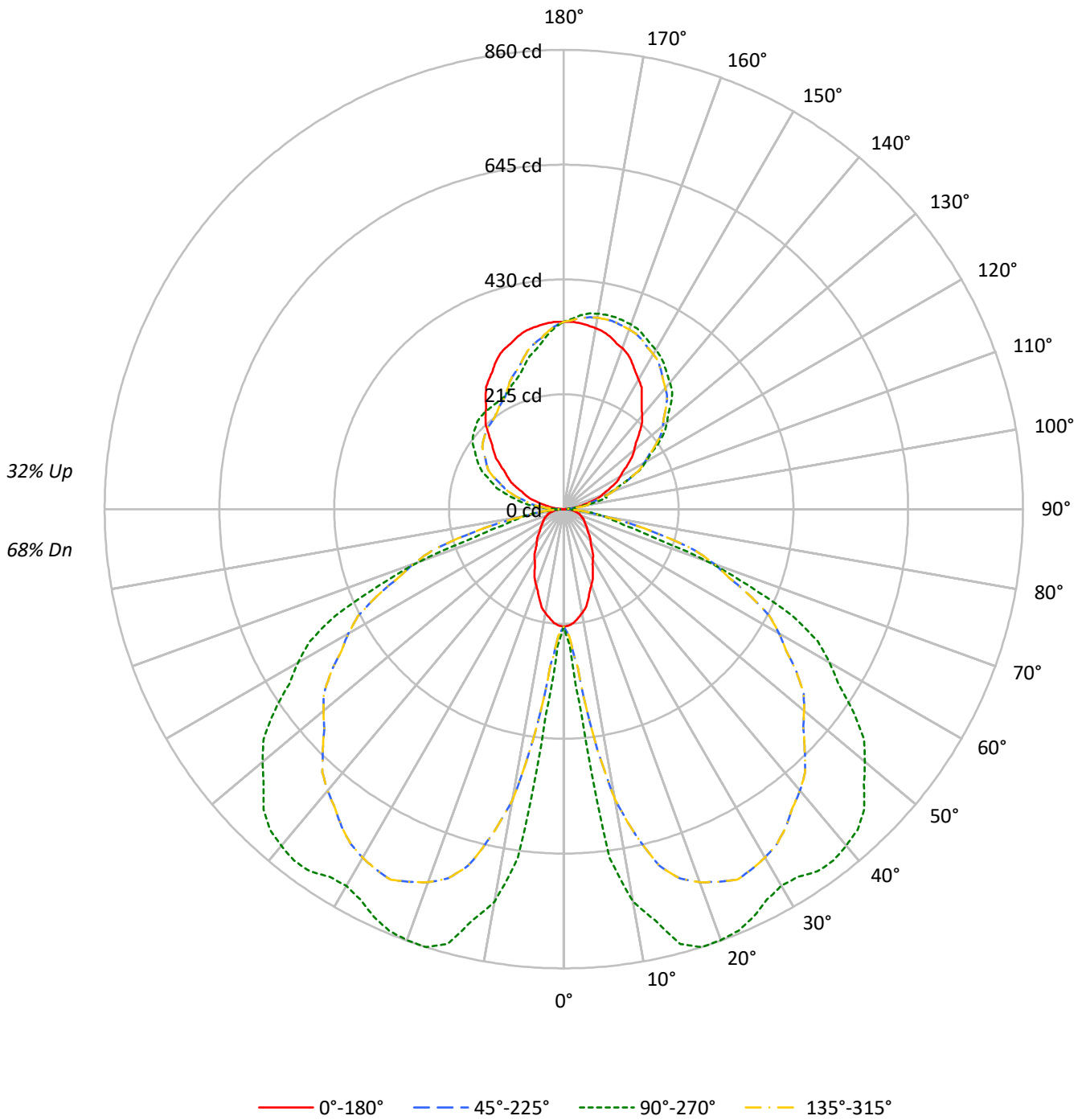
Lumens per Lamp: N/A
Luminaire Lumens: 3198.4 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

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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	84	78	72	87	80	74	69	71	66	62	63	59	56	56	53	51	47				
3	84	73	66	59	78	69	62	57	62	56	52	55	51	47	49	45	42	39				
4	76	65	56	50	71	61	53	48	55	48	43	49	44	40	43	39	36	33				
5	70	57	48	42	65	54	46	40	49	42	37	43	38	34	38	34	31	28				
6	64	51	42	36	60	48	40	35	43	37	32	39	33	29	34	30	27	24				
7	59	46	37	31	55	44	36	30	39	33	28	35	30	26	31	27	23	21				
8	55	41	33	28	51	39	32	27	35	29	24	32	26	22	28	24	21	18				
9	51	38	30	24	48	36	29	23	32	26	22	29	24	20	26	22	18	16				
10	47	34	27	22	45	33	26	21	30	24	19	27	22	18	24	20	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3552	3552	3552	3552
5°	3463	6292	3463	6292
10°	3243	12244	3243	12244
15°	2935	14091	2935	14091
20°	2600	14757	2600	14757
25°	2298	15000	2298	15000
30°	2032	15185	2032	15185
35°	1813	16324	1813	16324
40°	1650	17344	1650	17344
45°	1521	18162	1521	18162
50°	1434	18492	1434	18492
55°	1399	18640	1399	18640
60°	1434	18548	1434	18548
65°	1494	18024	1494	18024
70°	1548	13633	1548	13633
75°	1715	7523	1715	7523
80°	1767	6983	1767	6983
85°	1760	2945	1760	2945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 18807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.2
10°-20°	168.2	5.3
20°-30°	296.0	9.3
30°-40°	383.1	12.0
40°-50°	422.5	13.2
50°-60°	394.3	12.3
60°-70°	304.7	9.5
70°-80°	140.4	4.4
80°-90°	28.3	0.9
90°-100°	27.9	0.9
100°-110°	81.4	2.5
110°-120°	132.8	4.2
120°-130°	168.5	5.3
130°-140°	180.3	5.6
140°-150°	168.4	5.3
150°-160°	138.6	4.3
160°-170°	92.9	2.9
170°-180°	33.0	1.0
0°-30°	501.0	15.7
0°-40°	884.1	27.6
0°-60°	1701.0	53.2
0°-90°	2174.4	68.0
90°-120°	242.1	7.6
90°-150°	759.4	23.7
90°-180°	1024.0	32.0
0°-180°	3198.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	220	220	220	220	220	
5°	214	388	214	388	214	20
15°	176	843	176	843	176	49
25°	129	842	129	842	129	59
35°	92	828	92	828	92	58
45°	67	795	67	795	67	52
55°	50	662	50	662	50	45
65°	39	472	39	472	39	38
75°	28	121	28	121	28	28
85°	10	16	10	16	10	10
90°	1	8	1	15	1	1
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	218.3	222.5	226.6	231.0	235.5	240.4	245.7	250.2	252.5	254.7	252.5
5°	213.7	227.8	241.9	262.3	284.9	310.5	339.2	363.8	376.0	388.2	376.0
7.5°	205.4	234.1	262.8	323.5	395.0	469.2	546.1	609.9	634.3	658.8	634.3
10°	197.8	237.8	277.7	380.8	504.9	600.3	667.1	720.5	733.6	746.8	733.6
12.5°	189.3	243.6	297.8	425.1	576.7	675.8	722.7	761.2	774.7	788.3	774.7
15°	175.6	253.2	330.7	474.6	640.5	742.6	780.6	813.0	828.0	843.0	828.0
17.5°	161.4	264.7	367.9	514.6	675.9	775.4	813.1	843.4	851.6	859.8	851.6
20°	151.3	272.6	393.8	540.9	696.5	790.5	822.9	848.6	853.7	858.9	853.7
22.5°	142.0	277.5	413.1	560.3	711.4	799.3	823.8	843.6	849.1	854.7	849.1
25°	129.0	281.8	434.6	581.4	726.2	806.4	821.9	834.5	838.2	842.0	838.2
27.5°	116.6	278.0	439.4	584.4	723.8	798.6	808.8	817.3	821.0	824.6	821.0
30°	109.0	273.0	437.1	580.7	717.5	789.7	797.2	804.1	809.3	814.5	809.3
32.5°	102.2	267.0	431.8	573.7	707.8	778.5	785.6	793.8	805.0	816.2	805.0
35°	92.0	254.2	416.4	556.7	689.8	762.0	773.2	786.9	807.6	828.2	807.6
37.5°	83.4	237.8	392.3	531.2	664.9	743.6	767.2	789.9	809.8	829.7	809.8
40°	78.3	226.4	374.5	512.3	646.8	729.7	761.2	789.1	806.0	822.9	806.0
42.5°	73.2	213.4	353.6	490.3	625.9	712.1	748.8	780.6	797.6	814.5	797.6
45°	66.6	192.6	318.6	454.1	592.8	683.8	727.0	763.5	779.5	795.4	779.5
47.5°	60.5	169.9	279.4	415.5	560.5	655.9	701.8	739.1	750.8	762.4	750.8
50°	57.1	154.9	252.7	389.3	538.8	636.1	681.2	717.4	726.8	736.2	726.8
52.5°	53.7	140.2	226.7	363.6	517.2	615.3	657.8	691.8	700.5	709.1	700.5
55°	49.7	120.2	190.8	326.1	483.2	580.2	617.4	647.1	654.6	662.2	654.6
57.5°	46.1	103.0	159.9	291.0	446.9	540.7	572.4	597.7	603.8	609.9	603.8
60°	44.4	93.8	143.2	269.0	420.4	510.4	539.1	562.1	568.3	574.4	568.3
62.5°	41.9	84.9	127.8	247.0	391.6	477.2	503.6	524.8	530.6	536.3	530.6
65°	39.1	73.9	108.7	216.1	347.8	424.6	446.7	464.2	468.0	471.8	468.0
67.5°	35.3	64.9	94.4	187.9	302.7	366.9	380.7	389.2	382.1	375.1	382.1
70°	32.8	60.1	87.3	170.7	272.7	326.0	330.7	329.2	309.0	288.8	309.0
72.5°	31.1	55.4	79.6	151.8	239.9	278.7	268.4	251.1	212.8	174.5	212.8
75°	27.5	47.2	67.0	121.3	187.1	197.5	152.3	118.7	119.6	120.6	119.6
77.5°	22.4	37.2	51.9	85.3	124.9	132.8	108.9	91.2	92.0	92.9	92.0
80°	19.0	30.8	42.5	55.7	69.3	75.7	74.7	74.2	74.6	75.1	74.6
82.5°	15.7	24.4	33.1	41.0	48.7	52.9	53.9	54.4	53.8	53.1	53.8
85°	9.5	14.7	19.9	22.9	25.3	24.6	20.8	17.7	16.8	15.9	16.8
87.5°	3.6	5.8	8.0	7.6	6.3	5.6	5.6	5.7	5.8	5.8	5.8
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	250.2	245.7	240.4	235.5	231.0	226.6	222.5	218.3	222.5	226.6	231.0
5°	363.8	339.2	310.5	284.9	262.3	241.9	227.8	213.7	227.8	241.9	262.3
7.5°	609.9	546.1	469.2	395.0	323.5	262.8	234.1	205.4	234.1	262.8	323.5
10°	720.5	667.1	600.3	504.9	380.8	277.7	237.8	197.8	237.8	277.7	380.8
12.5°	761.2	722.7	675.8	576.7	425.1	297.8	243.6	189.3	243.6	297.8	425.1
15°	813.0	780.6	742.6	640.5	474.6	330.7	253.2	175.6	253.2	330.7	474.6
17.5°	843.4	813.1	775.4	675.9	514.6	367.9	264.7	161.4	264.7	367.9	514.6
20°	848.6	822.9	790.5	696.5	540.9	393.8	272.6	151.3	272.6	393.8	540.9
22.5°	843.6	823.8	799.3	711.4	560.3	413.1	277.5	142.0	277.5	413.1	560.3
25°	834.5	821.9	806.4	726.2	581.4	434.6	281.8	129.0	281.8	434.6	581.4
27.5°	817.3	808.8	798.6	723.8	584.4	439.4	278.0	116.6	278.0	439.4	584.4
30°	804.1	797.2	789.7	717.5	580.7	437.1	273.0	109.0	273.0	437.1	580.7
32.5°	793.8	785.6	778.5	707.8	573.7	431.8	267.0	102.2	267.0	431.8	573.7
35°	786.9	773.2	762.0	689.8	556.7	416.4	254.2	92.0	254.2	416.4	556.7
37.5°	789.9	767.2	743.6	664.9	531.2	392.3	237.8	83.4	237.8	392.3	531.2
40°	789.1	761.2	729.7	646.8	512.3	374.5	226.4	78.3	226.4	374.5	512.3
42.5°	780.6	748.8	712.1	625.9	490.3	353.6	213.4	73.2	213.4	353.6	490.3
45°	763.5	727.0	683.8	592.8	454.1	318.6	192.6	66.6	192.6	318.6	454.1
47.5°	739.1	701.8	655.9	560.5	415.5	279.4	169.9	60.5	169.9	279.4	415.5
50°	717.4	681.2	636.1	538.8	389.3	252.7	154.9	57.1	154.9	252.7	389.3
52.5°	691.8	657.8	615.3	517.2	363.6	226.7	140.2	53.7	140.2	226.7	363.6
55°	647.1	617.4	580.2	483.2	326.1	190.8	120.2	49.7	120.2	190.8	326.1
57.5°	597.7	572.4	540.7	446.9	291.0	159.9	103.0	46.1	103.0	159.9	291.0
60°	562.1	539.1	510.4	420.4	269.0	143.2	93.8	44.4	93.8	143.2	269.0
62.5°	524.8	503.6	477.2	391.6	247.0	127.8	84.9	41.9	84.9	127.8	247.0
65°	464.2	446.7	424.6	347.8	216.1	108.7	73.9	39.1	73.9	108.7	216.1
67.5°	389.2	380.7	366.9	302.7	187.9	94.4	64.9	35.3	64.9	94.4	187.9
70°	329.2	330.7	326.0	272.7	170.7	87.3	60.1	32.8	60.1	87.3	170.7
72.5°	251.1	268.4	278.7	239.9	151.8	79.6	55.4	31.1	55.4	79.6	151.8
75°	118.7	152.3	197.5	187.1	121.3	67.0	47.2	27.5	47.2	67.0	121.3
77.5°	91.2	108.9	132.8	124.9	85.3	51.9	37.2	22.4	37.2	51.9	85.3
80°	74.2	74.7	75.7	69.3	55.7	42.5	30.8	19.0	30.8	42.5	55.7
82.5°	54.4	53.9	52.9	48.7	41.0	33.1	24.4	15.7	24.4	33.1	41.0
85°	17.7	20.8	24.6	25.3	22.9	19.9	14.7	9.5	14.7	19.9	22.9
87.5°	5.7	5.6	5.6	6.3	7.6	8.0	5.8	3.6	5.8	7.9	7.8
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1435912

CATALOG NUMBER: SQ2W-FB-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1435912

CATALOG NUMBER: SQ2W-FB-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	235.5	240.4	245.7	250.2	252.5	254.7	252.5	250.2	245.7	240.4	235.5
5°	284.9	310.5	339.2	363.8	376.0	388.2	376.0	363.8	339.2	310.5	284.9
7.5°	395.0	469.2	546.1	609.9	634.3	658.8	634.3	609.9	546.1	469.2	395.0
10°	504.9	600.3	667.1	720.5	733.6	746.8	733.6	720.5	667.1	600.3	504.9
12.5°	576.7	675.8	722.7	761.2	774.7	788.3	774.7	761.2	722.7	675.8	576.7
15°	640.5	742.6	780.6	813.0	828.0	843.0	828.0	813.0	780.6	742.6	640.5
17.5°	675.9	775.4	813.1	843.4	851.6	859.8	851.6	843.4	813.1	775.4	675.9
20°	696.5	790.5	822.9	848.6	853.7	858.9	853.7	848.6	822.9	790.5	696.5
22.5°	711.4	799.3	823.8	843.6	849.1	854.7	849.1	843.6	823.8	799.3	711.4
25°	726.2	806.4	821.9	834.5	838.2	842.0	838.2	834.5	821.9	806.4	726.2
27.5°	723.8	798.6	808.8	817.3	821.0	824.6	821.0	817.3	808.8	798.6	723.8
30°	717.5	789.7	797.2	804.1	809.3	814.5	809.3	804.1	797.2	789.7	717.5
32.5°	707.8	778.5	785.6	793.8	805.0	816.2	805.0	793.8	785.6	778.5	707.8
35°	689.8	762.0	773.2	786.9	807.6	828.2	807.6	786.9	773.2	762.0	689.8
37.5°	664.9	743.6	767.2	789.9	809.8	829.7	809.8	789.9	767.2	743.6	664.9
40°	646.8	729.7	761.2	789.1	806.0	822.9	806.0	789.1	761.2	729.7	646.8
42.5°	625.9	712.1	748.8	780.6	797.6	814.5	797.6	780.6	748.8	712.1	625.9
45°	592.8	683.8	727.0	763.5	779.5	795.4	779.5	763.5	727.0	683.8	592.8
47.5°	560.5	655.9	701.8	739.1	750.8	762.4	750.8	739.1	701.8	655.9	560.5
50°	538.8	636.1	681.2	717.4	726.8	736.2	726.8	717.4	681.2	636.1	538.8
52.5°	517.2	615.3	657.8	691.8	700.5	709.1	700.5	691.8	657.8	615.3	517.2
55°	483.2	580.2	617.4	647.1	654.6	662.2	654.6	647.1	617.4	580.2	483.2
57.5°	446.9	540.7	572.4	597.7	603.8	609.9	603.8	597.7	572.4	540.7	446.9
60°	420.4	510.4	539.1	562.1	568.3	574.4	568.3	562.1	539.1	510.4	420.4
62.5°	391.6	477.2	503.6	524.8	530.6	536.3	530.6	524.8	503.6	477.2	391.6
65°	347.8	424.6	446.7	464.2	468.0	471.8	468.0	464.2	446.7	424.6	347.8
67.5°	302.7	366.9	380.7	389.2	382.1	375.1	382.1	389.2	380.7	366.9	302.7
70°	272.7	326.0	330.7	329.2	309.0	288.8	309.0	329.2	330.7	326.0	272.7
72.5°	239.9	278.7	268.4	251.1	212.8	174.5	212.8	251.1	268.4	278.7	239.9
75°	187.1	197.5	152.3	118.7	119.6	120.6	119.6	118.7	152.3	197.5	187.1
77.5°	124.9	132.8	108.9	91.2	92.0	92.9	92.0	91.2	108.9	132.8	124.9
80°	69.3	75.7	74.7	74.2	74.6	75.1	74.6	74.2	74.7	75.7	69.3
82.5°	48.7	52.9	53.9	54.4	53.8	53.1	53.8	54.4	53.9	52.9	48.7
85°	25.3	24.6	20.8	17.7	16.8	15.9	16.8	17.7	20.8	24.6	25.3
87.5°	6.6	6.4	6.9	7.1	7.4	7.3	7.4	6.9	6.4	6.6	6.6
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1435912

CATALOG NUMBER: SQ2W-FB-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7

TEST NUMBER: P1435912

CATALOG NUMBER: SQ2W-FB-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	220.0	220.0	220.0	220.0
2.5°	231.0	226.6	222.5	218.3
5°	262.3	241.9	227.8	213.7
7.5°	323.5	262.8	234.1	205.4
10°	380.8	277.7	237.8	197.8
12.5°	425.1	297.8	243.6	189.3
15°	474.6	330.7	253.2	175.6
17.5°	514.6	367.9	264.7	161.4
20°	540.9	393.8	272.6	151.3
22.5°	560.3	413.1	277.5	142.0
25°	581.4	434.6	281.8	129.0
27.5°	584.4	439.4	278.0	116.6
30°	580.7	437.1	273.0	109.0
32.5°	573.7	431.8	267.0	102.2
35°	556.7	416.4	254.2	92.0
37.5°	531.2	392.3	237.8	83.4
40°	512.3	374.5	226.4	78.3
42.5°	490.3	353.6	213.4	73.2
45°	454.1	318.6	192.6	66.6
47.5°	415.5	279.4	169.9	60.5
50°	389.3	252.7	154.9	57.1
52.5°	363.6	226.7	140.2	53.7
55°	326.1	190.8	120.2	49.7
57.5°	291.0	159.9	103.0	46.1
60°	269.0	143.2	93.8	44.4
62.5°	247.0	127.8	84.9	41.9
65°	216.1	108.7	73.9	39.1
67.5°	187.9	94.4	64.9	35.3
70°	170.7	87.3	60.1	32.8
72.5°	151.8	79.6	55.4	31.1
75°	121.3	67.0	47.2	27.5
77.5°	85.3	51.9	37.2	22.4
80°	55.7	42.5	30.8	19.0
82.5°	41.0	33.1	24.4	15.7
85°	22.9	19.9	14.7	9.5
87.5°	7.8	7.9	5.8	3.6
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1435912

CATALOG NUMBER: SQ2W-FB-K-025U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1435912
 CATALOG NUMBER: SQ2W-FB-K-025U-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	12.08	13.17	12.86	13.97	14.96	21.67	22.76	22.45	23.57	24.56
	3H	13.03	14.01	13.83	14.83	15.85	23.30	24.28	24.09	25.09	26.11
	4H	13.44	14.37	14.25	15.19	16.22	23.48	24.41	24.29	25.23	26.26
	6H	13.71	14.56	14.53	15.40	16.44	23.57	24.43	24.40	25.26	26.30
	8H	13.81	14.62	14.64	15.47	16.52	23.60	24.41	24.43	25.26	26.30
	12H	13.87	14.64	14.70	15.49	16.56	23.58	24.36	24.42	25.20	26.27
4H	2H	16.82	17.75	17.64	18.57	19.60	22.07	22.99	22.88	23.82	24.84
	3H	17.98	18.75	18.80	19.61	20.65	23.98	24.75	24.80	25.61	26.65
	4H	18.27	18.97	19.11	19.83	20.90	24.21	24.91	25.05	25.77	26.84
	6H	18.42	19.02	19.27	19.90	20.98	24.35	24.96	25.21	25.84	26.92
	8H	18.46	19.03	19.32	19.91	20.99	24.41	24.97	25.27	25.85	26.94
	12H	18.48	18.99	19.36	19.88	20.98	24.40	24.91	25.28	25.80	26.90
8H	4H	19.48	20.05	20.34	20.92	22.01	24.32	24.89	25.18	25.76	26.85
	6H	19.75	20.22	20.64	21.14	22.22	24.53	25.00	25.42	25.91	27.00
	8H	19.85	20.27	20.75	21.18	22.28	24.62	25.04	25.52	25.95	27.05
	12H	19.90	20.27	20.81	21.17	22.33	24.64	25.00	25.54	25.91	27.06
12H	4H	19.52	20.03	20.40	20.92	22.02	24.28	24.79	25.16	25.69	26.78
	6H	19.86	20.27	20.76	21.19	22.29	24.51	24.93	25.41	25.84	26.95
	8H	20.01	20.37	20.91	21.28	22.43	24.62	24.99	25.53	25.89	27.05