

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: P1435839

Luminaire Tested: SQ2W-FA-K-125U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435839
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-125U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

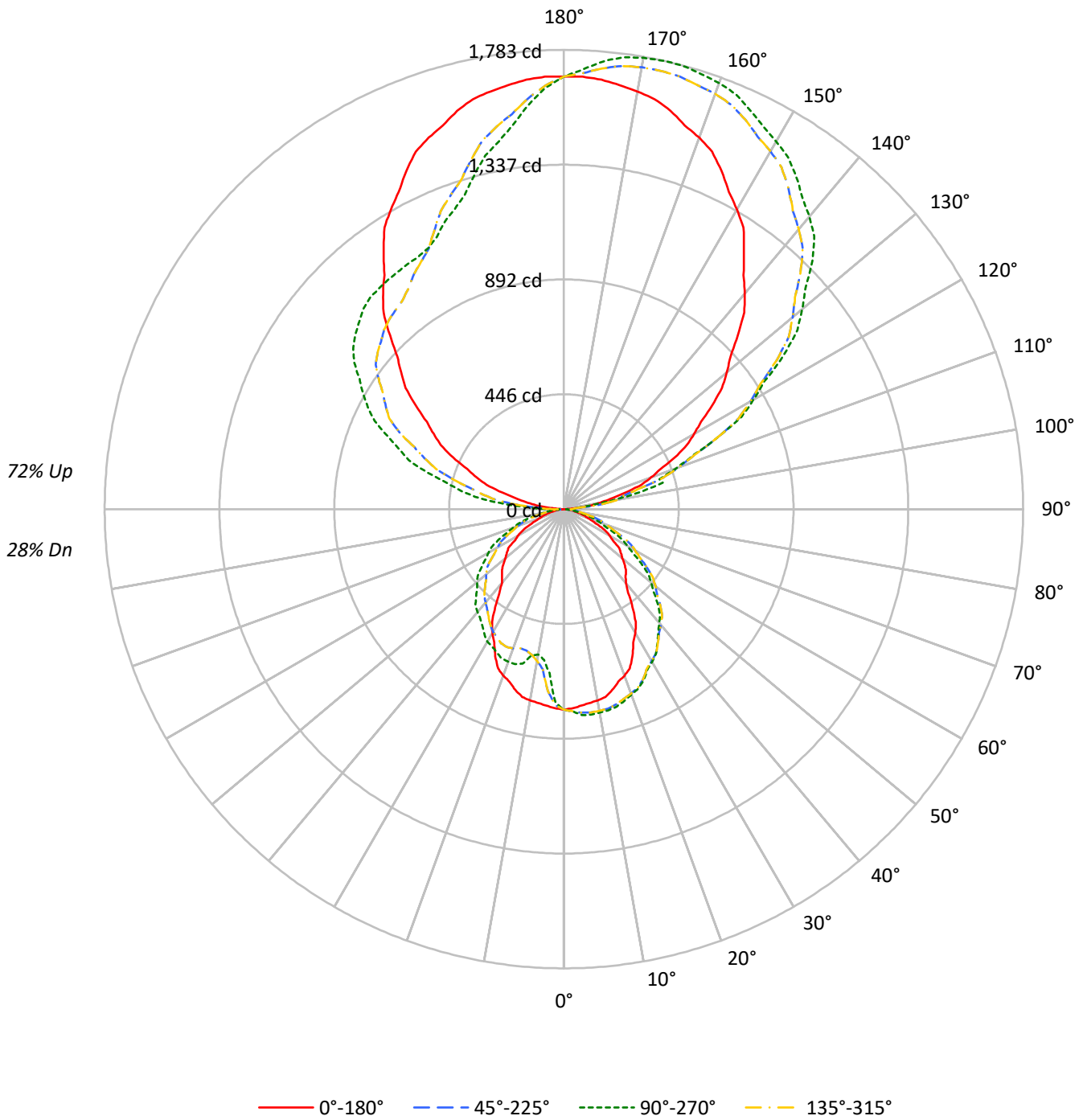
Lumens per Lamp: N/A
Luminaire Lumens: 6842.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 61.8
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	0
RCR																		
0	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	89	85	82	83	80	77	74	62	60	58	47	45	44	32	31	31	24
2	85	78	72	67	76	70	65	60	55	51	48	41	39	37	28	27	26	20
3	77	68	61	55	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	27	22	20	19	15
5	65	53	46	40	58	48	41	36	38	33	30	29	25	23	20	18	16	13
6	59	48	40	34	53	43	36	31	34	29	26	26	23	20	18	16	14	11
7	55	43	35	30	49	39	32	27	31	26	22	23	20	18	17	14	13	10
8	51	39	31	26	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	21	26	21	18	20	16	14	14	12	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12568	12568	12568	12568
5°	12420	13008	12420	10366
10°	12366	13158	12366	9399
15°	12154	13263	12154	10388
20°	11819	13166	11819	10835
25°	11234	13062	11234	10965
30°	10351	12769	10351	11082
35°	9157	12488	9157	10882
40°	7885	12146	7885	11002
45°	7784	11711	7784	11022
50°	7427	11140	7427	11064
55°	7389	10277	7389	10956
60°	6626	9158	6626	10911
65°	5646	8069	5646	10605
70°	4555	6835	4555	9828
75°	3955	5646	3955	9033
80°	3366	4212	3366	7290
85°	2242	2242	2242	4465

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 12079 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	1.0
10°-20°	195.7	2.9
20°-30°	297.2	4.3
30°-40°	348.9	5.1
40°-50°	354.1	5.2
50°-60°	310.2	4.5
60°-70°	220.0	3.2
70°-80°	113.3	1.7
80°-90°	30.7	0.4
90°-100°	133.6	2.0
100°-110°	389.6	5.7
110°-120°	635.9	9.3
120°-130°	806.9	11.8
130°-140°	863.4	12.6
140°-150°	806.2	11.8
150°-160°	663.4	9.7
160°-170°	444.9	6.5
170°-180°	158.0	2.3
0°-30°	562.9	8.2
0°-40°	911.9	13.3
0°-60°	1576.1	23.0
0°-90°	1940.1	28.4
90°-120°	1159.2	16.9
90°-150°	3635.7	53.1
90°-180°	4902.0	71.6
0°-180°	6842.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	778	778	778	778	778	
5°	766	803	766	640	766	73
15°	727	794	727	622	727	204
25°	631	733	631	616	631	288
35°	465	634	465	552	465	289
45°	341	513	341	483	341	261
55°	262	365	262	389	262	227
65°	148	211	148	278	148	148
75°	63	90	63	145	63	69
85°	12	12	12	24	12	15
90°	5	37	5	73	5	4
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4
2.5°	773.6	779.0	784.3	785.7	785.7	785.7	785.7	785.7	785.7	785.7	785.7
5°	766.3	775.7	785.1	789.5	792.2	794.2	795.5	797.2	799.9	802.6	799.9
7.5°	759.1	771.7	784.3	790.5	794.5	797.7	800.1	802.3	803.6	805.0	803.6
10°	754.3	769.0	783.8	790.5	794.5	797.2	798.5	799.9	801.2	802.6	801.2
12.5°	747.0	762.9	778.7	786.5	791.6	794.8	796.1	797.5	798.8	800.1	798.8
15°	727.1	748.6	770.0	778.4	782.4	785.8	788.5	790.8	792.2	793.5	792.2
17.5°	702.4	728.4	754.4	764.9	770.3	774.2	776.6	778.7	779.8	780.8	779.8
20°	687.9	716.1	744.2	755.3	760.7	764.0	765.3	766.3	766.3	766.3	766.3
22.5°	668.6	700.0	731.4	743.2	748.6	751.4	751.7	752.1	753.2	754.3	753.2
25°	630.6	666.8	703.0	718.1	726.1	729.5	728.1	727.8	730.5	733.2	730.5
27.5°	584.1	629.7	675.3	690.7	696.1	699.4	700.8	701.8	701.8	701.8	701.8
30°	555.2	606.1	657.1	673.8	679.2	682.5	683.9	684.9	684.9	684.9	684.9
32.5°	518.9	579.6	640.2	658.5	662.8	665.1	665.4	665.6	665.6	665.6	665.6
35°	464.6	538.4	612.1	632.6	635.3	636.6	636.6	636.3	634.9	633.6	634.9
37.5°	410.3	494.0	577.7	601.6	605.6	606.7	604.8	603.1	601.7	600.4	601.7
40°	374.1	465.3	556.5	582.3	586.3	586.3	582.3	579.0	577.6	576.3	577.6
42.5°	354.8	444.9	535.0	560.6	564.6	564.1	559.0	554.8	553.5	552.1	553.5
45°	340.9	421.4	501.8	525.0	529.0	528.3	523.0	518.3	515.6	512.9	515.6
47.5°	319.8	390.6	461.4	484.1	490.9	490.2	482.1	475.4	472.7	470.1	472.7
50°	295.7	365.4	435.1	457.6	464.3	463.6	455.6	448.9	446.2	443.5	446.2
52.5°	278.8	344.2	409.7	430.2	435.9	434.1	425.0	417.5	414.8	412.1	414.8
55°	262.5	317.5	372.4	389.2	393.2	390.5	381.2	373.1	369.1	365.1	369.1
57.5°	224.5	276.8	329.1	345.4	349.7	346.4	335.7	326.5	322.0	317.4	322.0
60°	205.2	252.1	299.0	314.8	320.2	317.5	306.7	297.0	290.3	283.6	290.3
62.5°	183.4	225.0	266.6	282.6	290.1	288.5	277.8	268.1	261.3	254.6	261.3
65°	147.8	184.0	220.2	236.3	245.7	245.1	234.3	224.6	217.9	211.2	217.9
67.5°	115.9	147.0	178.1	193.9	204.6	204.1	192.3	182.1	176.7	171.4	176.7
70°	96.5	123.4	150.2	164.9	175.7	175.7	164.9	155.5	150.2	144.8	150.2
72.5°	84.5	104.9	125.2	139.2	151.0	151.0	139.2	129.3	125.0	120.7	125.0
75°	63.4	75.4	87.5	100.6	114.0	115.3	104.6	95.9	93.2	90.5	93.2
77.5°	45.9	51.5	57.1	67.4	79.2	80.5	71.4	64.3	63.2	62.2	63.2
80°	36.2	37.5	38.9	47.3	58.0	59.3	51.3	45.3	45.3	45.3	45.3
82.5°	24.1	25.5	26.8	32.8	40.3	41.1	35.2	30.5	29.4	28.4	29.4
85°	12.1	12.1	12.1	14.1	16.8	16.8	14.1	12.1	12.1	12.1	12.1
87.5°	3.4	4.8	6.5	8.6	10.7	11.1	10.0	9.5	9.9	9.9	9.9
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4
2.5°	785.7	785.7	785.7	785.7	785.7	784.3	779.0	773.6	773.6	773.6	769.6
5°	797.2	795.5	794.2	792.2	789.5	785.1	775.7	766.3	762.3	758.3	741.2
7.5°	802.3	800.1	797.7	794.5	790.5	784.3	771.7	759.1	741.1	723.2	685.1
10°	799.9	798.5	797.2	794.5	790.5	783.8	769.0	754.3	718.1	681.9	645.7
12.5°	797.5	796.1	794.8	791.6	786.5	778.7	762.9	747.0	695.8	644.6	611.9
15°	790.8	788.5	785.8	782.4	778.4	770.0	748.6	727.1	669.5	611.8	584.3
17.5°	778.7	776.6	774.2	770.3	764.9	754.4	728.4	702.4	642.0	581.7	564.0
20°	766.3	765.3	764.0	760.7	755.3	744.2	716.1	687.9	627.6	567.2	559.2
22.5°	752.1	751.7	751.4	748.6	743.2	731.4	700.0	668.6	609.3	550.1	550.3
25°	727.8	728.1	729.5	726.1	718.1	703.0	666.8	630.6	578.3	526.0	535.0
27.5°	701.8	700.8	699.4	696.1	690.7	675.3	629.7	584.1	542.8	501.5	516.5
30°	684.9	683.9	682.5	679.2	673.8	657.1	606.1	555.2	520.3	485.4	502.9
32.5°	665.6	665.4	665.1	662.8	658.5	640.2	579.6	518.9	493.7	468.5	486.8
35°	636.3	636.6	636.6	635.3	632.6	612.1	538.4	464.6	453.9	443.2	464.6
37.5°	603.1	604.8	606.7	605.6	601.6	577.7	494.0	410.3	413.8	417.3	443.3
40°	579.0	582.3	586.3	586.3	582.3	556.5	465.3	374.1	386.2	398.3	426.4
42.5°	554.8	559.0	564.1	564.6	560.6	535.0	444.9	354.8	368.0	381.1	410.3
45°	518.3	523.0	528.3	529.0	525.0	501.8	421.4	340.9	349.0	357.0	385.2
47.5°	475.4	482.1	490.2	490.9	484.1	461.4	390.6	319.8	325.7	331.6	360.4
50°	448.9	455.6	463.6	464.3	457.6	435.1	365.4	295.7	303.7	311.8	341.9
52.5°	417.5	425.0	434.1	435.9	430.2	409.7	344.2	278.8	283.6	288.4	321.0
55°	373.1	381.2	390.5	393.2	389.2	372.4	317.5	262.5	258.5	254.4	287.6
57.5°	326.5	335.7	346.4	349.7	345.4	329.1	276.8	224.5	221.0	217.5	253.4
60°	297.0	306.7	317.5	320.2	314.8	299.0	252.1	205.2	198.5	191.8	229.3
62.5°	268.1	277.8	288.5	290.1	282.6	266.6	225.0	183.4	178.9	174.3	210.8
65°	224.6	234.3	245.1	245.7	236.3	220.2	184.0	147.8	150.5	153.2	186.1
67.5°	182.1	192.3	204.1	204.6	193.9	178.1	147.0	115.9	124.7	133.6	163.1
70°	155.5	164.9	175.7	175.7	164.9	150.2	123.4	96.5	108.6	120.7	147.8
72.5°	129.3	139.2	151.0	151.0	139.2	125.2	104.9	84.5	96.5	108.6	130.9
75°	95.9	104.6	115.3	114.0	100.6	87.5	75.4	63.4	75.4	87.5	104.6
77.5°	64.3	71.4	80.5	79.2	67.4	57.1	51.5	45.9	55.8	65.7	77.6
80°	45.3	51.3	59.3	58.0	47.3	38.9	37.5	36.2	42.9	49.6	58.3
82.5°	30.5	35.2	41.1	40.3	32.8	26.8	25.5	24.1	29.8	35.4	41.4
85°	12.1	14.1	16.8	16.8	14.1	12.1	12.1	12.1	14.8	17.4	20.1
87.5°	9.5	10.0	11.1	10.7	8.6	6.5	4.8	3.4	5.9	8.3	10.9
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1435839

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1435839

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4
2.5°	764.2	759.9	756.7	754.0	752.9	751.9	752.9	754.0	756.7	759.9	764.2
5°	719.8	697.0	672.8	653.0	646.3	639.6	646.3	653.0	672.8	697.0	719.8
7.5°	640.3	612.8	602.6	594.4	592.3	590.1	592.3	594.4	602.6	612.8	640.3
10°	609.5	587.3	579.3	573.3	573.3	573.3	573.3	573.3	579.3	587.3	609.5
12.5°	585.3	571.8	571.2	572.2	577.5	582.9	577.5	572.2	571.2	571.8	585.3
15°	566.9	568.9	590.4	608.1	614.8	621.5	614.8	608.1	590.4	568.9	566.9
17.5°	560.5	572.0	598.6	619.9	625.2	630.6	625.2	619.9	598.6	572.0	560.5
20°	568.6	583.3	603.4	619.9	625.2	630.6	625.2	619.9	603.4	583.3	568.6
22.5°	570.4	588.4	604.2	617.4	622.8	628.2	622.8	617.4	604.2	588.4	570.4
25°	564.5	586.0	599.4	610.1	612.8	615.5	612.8	610.1	599.4	586.0	564.5
27.5°	550.3	573.9	587.3	597.9	599.7	601.6	599.7	597.9	587.3	573.9	550.3
30°	537.7	561.9	575.3	586.3	590.4	594.4	590.4	586.3	575.3	561.9	537.7
32.5°	519.5	544.2	560.8	573.5	574.3	575.1	574.3	573.5	560.8	544.2	519.5
35°	496.8	522.3	541.1	554.8	553.5	552.1	553.5	554.8	541.1	522.3	496.8
37.5°	476.8	501.8	518.1	530.8	532.4	534.0	532.4	530.8	518.1	501.8	476.8
40°	459.9	485.4	502.9	516.6	519.3	522.0	519.3	516.6	502.9	485.4	459.9
42.5°	444.9	470.9	488.4	502.1	504.8	507.5	504.8	502.1	488.4	470.9	444.9
45°	420.1	446.9	465.6	480.1	481.4	482.7	481.4	480.1	465.6	446.9	420.1
47.5°	396.9	423.9	441.3	454.7	456.1	457.4	456.1	454.7	441.3	423.9	396.9
50°	379.5	407.0	424.4	437.8	439.2	440.5	439.2	437.8	424.4	407.0	379.5
52.5°	362.9	391.4	406.7	418.5	419.8	421.2	419.8	418.5	406.7	391.4	362.9
55°	333.2	363.4	378.1	389.2	389.2	389.2	389.2	389.2	378.1	363.4	333.2
57.5°	302.5	333.5	346.4	356.4	358.0	359.6	358.0	356.4	346.4	333.5	302.5
60°	281.6	313.1	323.8	332.6	335.2	337.9	335.2	332.6	323.8	313.1	281.6
62.5°	260.9	291.4	302.1	310.6	312.2	313.8	312.2	310.6	302.1	291.4	260.9
65°	229.0	255.8	266.5	274.9	276.2	277.6	276.2	274.9	266.5	255.8	229.0
67.5°	199.6	221.6	229.1	235.0	236.1	237.1	236.1	235.0	229.1	221.6	199.6
70°	180.0	198.8	204.2	208.2	208.2	208.2	208.2	208.2	204.2	198.8	180.0
72.5°	156.7	172.2	177.6	181.9	183.0	184.0	183.0	181.9	177.6	172.2	156.7
75°	123.4	134.8	138.8	142.1	143.5	144.8	143.5	142.1	138.8	134.8	123.4
77.5°	90.2	97.8	100.2	102.3	103.7	105.0	103.7	102.3	100.2	97.8	90.2
80°	67.7	73.1	74.4	75.8	77.1	78.4	77.1	75.8	74.4	73.1	67.7
82.5°	47.6	51.4	52.7	53.8	54.0	54.3	54.0	53.8	52.7	51.4	47.6
85°	22.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	22.8
87.5°	12.6	15.0	17.4	18.7	20.1	19.4	20.1	18.7	17.4	15.0	12.6
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1435839

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1435839

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	778.4	778.4	778.4	778.4
2.5°	769.6	773.6	773.6	773.6
5°	741.2	758.3	762.3	766.3
7.5°	685.1	723.2	741.1	759.1
10°	645.7	681.9	718.1	754.3
12.5°	611.9	644.6	695.8	747.0
15°	584.3	611.8	669.5	727.1
17.5°	564.0	581.7	642.0	702.4
20°	559.2	567.2	627.6	687.9
22.5°	550.3	550.1	609.3	668.6
25°	535.0	526.0	578.3	630.6
27.5°	516.5	501.5	542.8	584.1
30°	502.9	485.4	520.3	555.2
32.5°	486.8	468.5	493.7	518.9
35°	464.6	443.2	453.9	464.6
37.5°	443.3	417.3	413.8	410.3
40°	426.4	398.3	386.2	374.1
42.5°	410.3	381.1	368.0	354.8
45°	385.2	357.0	349.0	340.9
47.5°	360.4	331.6	325.7	319.8
50°	341.9	311.8	303.7	295.7
52.5°	321.0	288.4	283.6	278.8
55°	287.6	254.4	258.5	262.5
57.5°	253.4	217.5	221.0	224.5
60°	229.3	191.8	198.5	205.2
62.5°	210.8	174.3	178.9	183.4
65°	186.1	153.2	150.5	147.8
67.5°	163.1	133.6	124.7	115.9
70°	147.8	120.7	108.6	96.5
72.5°	130.9	108.6	96.5	84.5
75°	104.6	87.5	75.4	63.4
77.5°	77.6	65.7	55.8	45.9
80°	58.3	49.6	42.9	36.2
82.5°	41.4	35.4	29.8	24.1
85°	20.1	17.4	14.8	12.1
87.5°	10.9	8.3	5.9	3.4
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2



TEST NUMBER: P1435839

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1435839
 CATALOG NUMBER: SQ2W-FA-K-125U-050D-L935-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	12.72	13.42	13.85	14.53	16.08	13.92	14.62	15.04	15.73	17.28
	3H	13.80	14.42	14.93	15.54	17.11	15.15	15.77	16.28	16.90	18.46
	4H	14.14	14.73	15.28	15.86	17.43	15.53	16.12	16.67	17.25	18.82
	6H	14.29	14.84	15.44	15.97	17.55	15.68	16.23	16.83	17.36	18.94
	8H	14.32	14.84	15.48	15.98	17.56	15.70	16.22	16.86	17.36	18.94
	12H	14.31	14.81	15.47	15.94	17.54	15.68	16.17	16.84	17.31	18.91
4H	2H	13.57	14.16	14.72	15.28	16.86	14.48	15.07	15.63	16.20	17.77
	3H	14.94	15.43	16.10	16.58	18.17	15.93	16.42	17.08	17.57	19.16
	4H	15.39	15.84	16.55	16.98	18.59	16.40	16.85	17.56	17.99	19.60
	6H	15.61	16.00	16.77	17.16	18.75	16.61	17.00	17.77	18.16	19.76
	8H	15.66	16.02	16.82	17.18	18.79	16.66	17.02	17.82	18.17	19.78
	12H	15.66	15.98	16.83	17.15	18.77	16.64	16.97	17.82	18.13	19.75
8H	4H	15.76	16.12	16.92	17.27	18.89	16.58	16.94	17.74	18.10	19.71
	6H	16.10	16.40	17.28	17.60	19.20	16.89	17.19	18.07	18.38	19.99
	8H	16.22	16.48	17.41	17.65	19.28	16.98	17.24	18.17	18.42	20.04
	12H	16.25	16.48	17.44	17.65	19.31	16.99	17.22	18.18	18.39	20.05
12H	4H	15.75	16.08	16.93	17.25	18.86	16.54	16.87	17.72	18.04	19.65
	6H	16.17	16.43	17.36	17.61	19.23	16.91	17.17	18.09	18.34	19.97
	8H	16.31	16.54	17.50	17.71	19.37	17.01	17.24	18.20	18.41	20.07