

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: P1435813

Luminaire Tested: SQ2W-FA-K-100U-050D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435813
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-100U-050D-L840-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 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

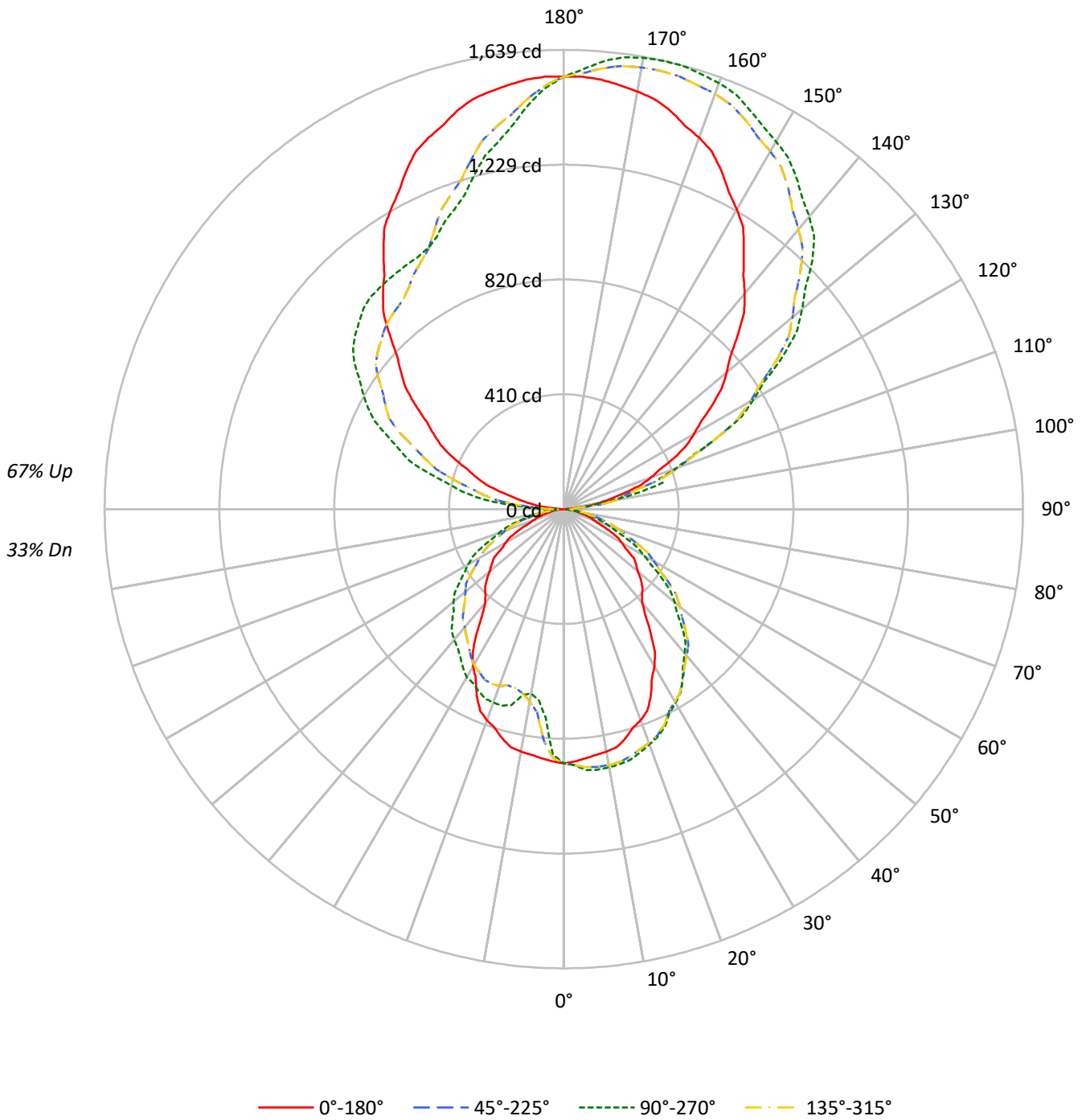
Lumens per Lamp: N/A
Luminaire Lumens: 6765.1 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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: P1435813

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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35	28
2	86	79	73	68	77	71	66	62	57	53	50	44	42	40	32	30	29	24
3	78	69	62	56	70	62	56	52	50	46	42	39	36	33	28	26	25	20
4	71	61	53	47	64	55	49	44	44	40	36	35	31	29	25	23	21	17
5	65	54	46	40	59	49	42	37	40	35	31	31	27	25	23	20	19	15
6	60	48	41	35	54	44	37	32	36	31	27	28	24	22	21	18	16	13
7	56	44	36	30	50	40	33	28	32	27	24	25	22	19	19	16	14	12
8	51	39	32	27	46	36	29	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	15	12	11	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14647	14647	14647	14647
5°	14475	15159	14475	12081
10°	14411	15334	14411	10953
15°	14164	15456	14164	12107
20°	13775	15345	13775	12627
25°	13092	15221	13092	12778
30°	12062	14881	12062	12914
35°	10673	14554	10673	12683
40°	9189	14155	9189	12821
45°	9072	13647	9072	12846
50°	8656	12984	8656	12896
55°	8611	11977	8611	12768
60°	7721	10672	7721	12716
65°	6582	9402	6582	12359
70°	5311	7968	5311	11452
75°	4604	6581	4604	10530
80°	3924	4900	3924	8498
85°	2612	2612	2612	5206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 14077 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.2
10°-20°	228.1	3.4
20°-30°	346.4	5.1
30°-40°	406.7	6.0
40°-50°	412.7	6.1
50°-60°	361.5	5.3
60°-70°	256.4	3.8
70°-80°	132.0	2.0
80°-90°	34.1	0.5
90°-100°	122.8	1.8
100°-110°	358.2	5.3
110°-120°	584.5	8.6
120°-130°	741.7	11.0
130°-140°	793.6	11.7
140°-150°	741.1	11.0
150°-160°	609.8	9.0
160°-170°	409.0	6.0
170°-180°	145.2	2.1
0°-30°	656.1	9.7
0°-40°	1062.7	15.7
0°-60°	1836.8	27.2
0°-90°	2259.3	33.4
90°-120°	1065.5	15.7
90°-150°	3341.8	49.4
90°-180°	4506.0	66.6
0°-180°	6765.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	907	907	907	907	907	
5°	893	935	893	745	893	85
15°	847	925	847	724	847	238
25°	735	854	735	717	735	335
35°	542	738	542	644	542	337
45°	397	598	397	563	397	304
55°	306	426	306	454	306	265
65°	172	246	172	324	172	172
75°	74	106	74	169	74	80
85°	14	14	14	28	14	18
90°	5	34	5	67	5	4
95°	48	36	48	210	48	58
105°	228	365	228	502	228	242
115°	436	605	436	745	436	430
125°	645	959	645	913	645	577
135°	878	1255	878	1012	878	678
145°	1121	1446	1121	1034	1121	701
155°	1331	1571	1331	1072	1331	612
165°	1472	1638	1472	1235	1472	414
175°	1538	1604	1538	1448	1538	146
180°	1543	1543	1543	1543	1543	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2
2.5°	901.5	907.8	914.0	915.6	915.6	915.6	915.6	915.6	915.6	915.6	915.6
5°	893.1	904.0	915.0	920.1	923.2	925.5	927.1	929.0	932.2	935.3	932.2
7.5°	884.7	899.4	914.0	921.2	925.9	929.7	932.5	935.0	936.5	938.1	936.5
10°	879.0	896.2	913.4	921.2	925.9	929.0	930.6	932.2	933.7	935.3	933.7
12.5°	870.6	889.0	907.5	916.5	922.5	926.2	927.8	929.4	930.9	932.5	930.9
15°	847.4	872.4	897.4	907.2	911.9	915.8	918.9	921.6	923.2	924.7	923.2
17.5°	818.6	848.9	879.2	891.5	897.7	902.2	905.1	907.5	908.7	910.0	908.7
20°	801.7	834.5	867.3	880.2	886.5	890.4	891.9	893.1	893.1	893.1	893.1
22.5°	779.2	815.7	852.3	866.1	872.4	875.7	876.0	876.5	877.8	879.0	877.8
25°	734.9	777.1	819.3	836.8	846.2	850.1	848.6	848.2	851.3	854.4	851.3
27.5°	680.7	733.9	787.0	805.0	811.2	815.1	816.7	817.9	817.9	817.9	817.9
30°	647.0	706.4	765.7	785.3	791.5	795.4	797.0	798.2	798.2	798.2	798.2
32.5°	604.8	675.4	746.1	767.5	772.5	775.1	775.4	775.7	775.7	775.7	775.7
35°	541.5	627.4	713.4	737.2	740.3	741.9	741.9	741.5	740.0	738.4	740.0
37.5°	478.2	575.7	673.2	701.1	705.8	707.1	704.9	702.8	701.3	699.7	701.3
40°	436.0	542.3	648.5	678.6	683.3	683.3	678.6	674.7	673.1	671.6	673.1
42.5°	413.5	518.5	623.5	653.3	658.0	657.4	651.4	646.6	645.0	643.5	645.0
45°	397.3	491.1	584.9	611.8	616.5	615.7	609.5	604.0	600.9	597.7	600.9
47.5°	372.7	455.2	537.7	564.2	572.0	571.3	561.9	554.1	550.9	547.8	550.9
50°	344.6	425.8	507.1	533.3	541.1	540.3	530.9	523.1	520.0	516.9	520.0
52.5°	324.9	401.2	477.4	501.4	508.0	505.9	495.3	486.6	483.4	480.3	483.4
55°	305.9	370.0	434.1	453.6	458.3	455.1	444.2	434.8	430.1	425.5	430.1
57.5°	261.6	322.5	383.5	402.5	407.5	403.7	391.2	380.5	375.2	369.9	375.2
60°	239.1	293.8	348.5	366.9	373.1	370.0	357.5	346.1	338.3	330.5	338.3
62.5°	213.8	262.2	310.7	329.3	338.1	336.2	323.7	312.4	304.6	296.8	304.6
65°	172.3	214.5	256.7	275.4	286.4	285.6	273.1	261.8	253.9	246.1	253.9
67.5°	135.0	171.3	207.5	226.0	238.5	237.8	224.1	212.2	206.0	199.7	206.0
70°	112.5	143.8	175.0	192.2	204.7	204.7	192.2	181.3	175.0	168.8	175.0
72.5°	98.5	122.2	146.0	162.2	176.0	176.0	162.2	150.6	145.6	140.6	145.6
75°	73.8	87.9	102.0	117.2	132.8	134.4	121.9	111.7	108.6	105.5	108.6
77.5°	53.4	60.0	66.6	78.5	92.3	93.8	83.2	74.9	73.7	72.4	73.7
80°	42.2	43.8	45.3	55.1	67.6	69.2	59.8	52.7	52.7	52.7	52.7
82.5°	28.1	29.7	31.3	38.2	47.0	47.9	41.0	35.6	34.3	33.1	34.3
85°	14.1	14.1	14.1	16.4	19.5	19.5	16.4	14.1	14.1	14.1	14.1
87.5°	3.7	5.0	6.6	8.7	10.9	11.2	10.0	9.4	9.7	9.7	9.7
90°	4.7	10.9	18.7	24.9	29.6	31.2	31.2	32.7	34.3	34.3	34.3
92.5°	17.1	27.1	27.4	27.4	33.4	36.2	38.7	39.0	40.5	40.5	40.5
95°	48.3	53.0	79.5	77.9	53.0	42.1	35.9	35.9	35.9	35.9	35.9
97.5°	92.3	99.1	103.5	138.7	146.5	141.5	115.3	97.0	86.7	82.0	86.7
100°	130.9	134.1	143.4	145.0	183.9	221.3	202.6	179.3	171.5	166.8	171.5
102.5°	169.6	171.5	185.8	192.4	201.4	222.6	287.4	280.3	275.0	274.0	275.0
105°	227.6	229.1	255.6	268.1	274.3	274.3	272.8	304.0	353.8	364.8	353.8
107.5°	289.6	296.8	328.0	361.3	368.5	370.4	362.3	357.6	355.7	357.0	355.7
110°	332.0	342.9	380.3	422.4	433.3	436.5	433.3	428.7	425.5	425.5	425.5



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CATALOG NUMBER: SQ2W-FA-K-100U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	373.2	389.1	431.5	479.8	498.2	507.5	500.7	497.2	494.1	496.6	494.1
115°	436.5	459.8	516.0	565.8	603.2	607.9	606.4	606.4	604.8	604.8	604.8
117.5°	495.1	532.5	595.5	653.4	696.8	709.2	715.5	713.6	711.7	714.9	711.7
120°	536.2	579.9	651.6	717.0	759.1	777.8	784.1	780.9	784.1	780.9	784.1
122.5°	579.9	633.5	703.9	771.9	821.5	842.7	850.2	850.8	851.4	849.5	851.4
125°	645.3	710.8	793.4	863.6	915.0	939.9	946.2	947.7	950.9	958.6	950.9
127.5°	711.4	785.6	876.3	944.0	996.7	1026.9	1036.6	1040.0	1046.6	1050.0	1046.6
130°	757.6	841.7	933.7	997.6	1049.1	1081.8	1098.9	1103.6	1111.4	1109.8	1111.4
132.5°	806.2	894.1	987.3	1053.7	1101.4	1136.7	1151.3	1164.7	1167.5	1169.7	1167.5
135°	877.6	972.7	1066.2	1131.7	1176.9	1211.2	1229.9	1242.3	1250.1	1254.8	1250.1
137.5°	952.7	1053.1	1142.9	1201.2	1246.7	1276.3	1297.5	1310.6	1318.7	1322.5	1318.7
140°	1003.9	1100.5	1187.8	1248.6	1289.1	1318.7	1337.4	1353.0	1362.4	1362.4	1362.4
142.5°	1052.5	1147.9	1232.7	1293.5	1329.0	1356.1	1376.1	1387.9	1398.5	1398.5	1398.5
145°	1120.8	1215.8	1293.8	1354.6	1384.2	1409.1	1431.0	1440.3	1446.5	1446.5	1446.5
147.5°	1192.2	1276.3	1347.4	1405.7	1430.6	1459.9	1477.1	1484.6	1492.4	1488.9	1492.4
150°	1234.6	1312.5	1381.1	1435.6	1460.6	1488.6	1505.8	1512.0	1519.8	1515.1	1519.8
152.5°	1275.7	1349.9	1412.3	1463.1	1484.3	1512.3	1532.0	1538.2	1543.5	1540.1	1543.5
155°	1331.2	1396.7	1454.3	1501.1	1519.8	1546.3	1565.0	1572.8	1579.0	1571.2	1579.0
157.5°	1380.8	1437.2	1487.4	1530.4	1550.4	1573.1	1590.6	1600.2	1606.5	1603.0	1606.5
160°	1410.7	1462.1	1507.3	1547.9	1566.6	1586.8	1605.5	1616.5	1622.7	1618.0	1622.7
162.5°	1435.6	1482.1	1524.8	1561.6	1577.8	1595.6	1618.0	1627.7	1633.9	1628.0	1633.9
165°	1471.5	1508.9	1546.3	1577.5	1591.5	1605.5	1628.9	1639.8	1644.5	1638.3	1644.5
167.5°	1498.6	1527.3	1557.5	1584.3	1594.6	1608.3	1631.7	1640.8	1646.7	1638.9	1646.7
170°	1513.6	1538.5	1565.0	1586.8	1594.6	1607.1	1630.5	1638.3	1643.0	1635.2	1643.0
172.5°	1526.0	1544.7	1566.3	1585.6	1589.6	1599.6	1621.8	1629.5	1633.0	1626.4	1633.0
175°	1538.5	1549.4	1565.0	1577.5	1575.9	1582.2	1600.9	1607.1	1613.3	1604.0	1613.3
177.5°	1544.4	1549.4	1554.4	1561.9	1556.9	1556.9	1570.6	1574.4	1575.6	1570.6	1575.6
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2
2.5°	915.6	915.6	915.6	915.6	915.6	914.0	907.8	901.5	901.5	901.5	896.9
5°	929.0	927.1	925.5	923.2	920.1	915.0	904.0	893.1	888.4	883.7	863.8
7.5°	935.0	932.5	929.7	925.9	921.2	914.0	899.4	884.7	863.7	842.8	798.4
10°	932.2	930.6	929.0	925.9	921.2	913.4	896.2	879.0	836.8	794.7	752.5
12.5°	929.4	927.8	926.2	922.5	916.5	907.5	889.0	870.6	810.9	751.2	713.1
15°	921.6	918.9	915.8	911.9	907.2	897.4	872.4	847.4	780.2	713.0	681.0
17.5°	907.5	905.1	902.2	897.7	891.5	879.2	848.9	818.6	748.2	677.9	657.3
20°	893.1	891.9	890.4	886.5	880.2	867.3	834.5	801.7	731.4	661.0	651.7
22.5°	876.5	876.0	875.7	872.4	866.1	852.3	815.7	779.2	710.1	641.0	641.3
25°	848.2	848.6	850.1	846.2	836.8	819.3	777.1	734.9	673.9	613.0	623.5
27.5°	817.9	816.7	815.1	811.2	805.0	787.0	733.9	680.7	632.6	584.5	602.0
30°	798.2	797.0	795.4	791.5	785.3	765.7	706.4	647.0	606.3	565.7	586.0
32.5°	775.7	775.4	775.1	772.5	767.5	746.1	675.4	604.8	575.4	546.0	567.3
35°	741.5	741.9	741.9	740.3	737.2	713.4	627.4	541.5	529.0	516.5	541.5
37.5°	702.8	704.9	707.1	705.8	701.1	673.2	575.7	478.2	482.3	486.3	516.6
40°	674.7	678.6	683.3	683.3	678.6	648.5	542.3	436.0	450.1	464.1	497.0
42.5°	646.6	651.4	657.4	658.0	653.3	623.5	518.5	413.5	428.8	444.1	478.2
45°	604.0	609.5	615.7	616.5	611.8	584.9	491.1	397.3	406.7	416.1	448.9
47.5°	554.1	561.9	571.3	572.0	564.2	537.7	455.2	372.7	379.6	386.5	420.1
50°	523.1	530.9	540.3	541.1	533.3	507.1	425.8	344.6	354.0	363.3	398.5
52.5°	486.6	495.3	505.9	508.0	501.4	477.4	401.2	324.9	330.5	336.1	374.1
55°	434.8	444.2	455.1	458.3	453.6	434.1	370.0	305.9	301.2	296.5	335.2
57.5°	380.5	391.2	403.7	407.5	402.5	383.5	322.5	261.6	257.5	253.5	295.4
60°	346.1	357.5	370.0	373.1	366.9	348.5	293.8	239.1	231.3	223.5	267.2
62.5°	312.4	323.7	336.2	338.1	329.3	310.7	262.2	213.8	208.5	203.2	245.7
65°	261.8	273.1	285.6	286.4	275.4	256.7	214.5	172.3	175.4	178.5	216.8
67.5°	212.2	224.1	237.8	238.5	226.0	207.5	171.3	135.0	145.3	155.6	190.1
70°	181.3	192.2	204.7	204.7	192.2	175.0	143.8	112.5	126.6	140.6	172.3
72.5°	150.6	162.2	176.0	176.0	162.2	146.0	122.2	98.5	112.5	126.6	152.6
75°	111.7	121.9	134.4	132.8	117.2	102.0	87.9	73.8	87.9	102.0	121.9
77.5°	74.9	83.2	93.8	92.3	78.5	66.6	60.0	53.4	65.0	76.6	90.5
80°	52.7	59.8	69.2	67.6	55.1	45.3	43.8	42.2	50.0	57.8	68.0
82.5°	35.6	41.0	47.9	47.0	38.2	31.3	29.7	28.1	34.7	41.3	48.3
85°	14.1	16.4	19.5	19.5	16.4	14.1	14.1	14.1	17.2	20.3	23.4
87.5°	9.4	10.0	11.2	10.9	8.7	6.6	5.0	3.7	6.2	8.7	11.2
90°	32.7	31.2	31.2	29.6	24.9	18.7	10.9	4.7	10.9	17.1	28.1
92.5°	39.0	38.7	36.2	33.4	27.4	27.4	27.1	17.1	29.6	42.1	60.5
95°	35.9	35.9	42.1	53.0	77.9	79.5	53.0	48.3	68.6	96.6	121.6
97.5°	97.0	115.3	141.5	146.5	138.7	103.5	99.1	92.3	125.6	153.4	193.6
100°	179.3	202.6	221.3	183.9	145.0	143.4	134.1	130.9	166.8	193.3	232.3
102.5°	280.3	287.4	222.6	201.4	192.4	185.8	171.5	169.6	205.4	241.9	274.7
105°	304.0	272.8	274.3	274.3	268.1	255.6	229.1	227.6	268.1	310.2	350.7
107.5°	357.6	362.3	370.4	368.5	361.3	328.0	296.8	289.6	326.1	376.6	421.2
110°	428.7	433.3	436.5	433.3	422.4	380.3	342.9	332.0	364.8	417.8	466.1



TEST NUMBER: P1435813

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	497.2	500.7	507.5	498.2	479.8	431.5	389.1	373.2	405.9	460.2	509.7
115°	606.4	606.4	607.9	603.2	565.8	516.0	459.8	436.5	464.5	514.4	569.0
117.5°	713.6	715.5	709.2	696.8	653.4	595.5	532.5	495.1	517.2	569.9	626.0
120°	780.9	784.1	777.8	759.1	717.0	651.6	579.9	536.2	553.4	604.8	660.9
122.5°	850.8	850.2	842.7	821.5	771.9	703.9	633.5	579.9	587.0	634.7	689.6
125°	947.7	946.2	939.9	915.0	863.6	793.4	710.8	645.3	636.0	676.5	732.6
127.5°	1040.0	1036.6	1026.9	996.7	944.0	876.3	785.6	711.4	690.5	716.1	767.5
130°	1103.6	1098.9	1081.8	1049.1	997.6	933.7	841.7	757.6	727.9	743.5	788.7
132.5°	1164.7	1151.3	1136.7	1101.4	1053.7	987.3	894.1	806.2	765.4	772.2	807.4
135°	1242.3	1229.9	1211.2	1176.9	1131.7	1066.2	972.7	877.6	821.5	815.2	835.5
137.5°	1310.6	1297.5	1276.3	1246.7	1201.2	1142.9	1053.1	952.7	882.0	861.1	868.9
140°	1353.0	1337.4	1318.7	1289.1	1248.6	1187.8	1100.5	1003.9	924.4	894.7	890.1
142.5°	1387.9	1376.1	1356.1	1329.0	1293.5	1232.7	1147.9	1052.5	968.0	929.7	918.7
145°	1440.3	1431.0	1409.1	1384.2	1354.6	1293.8	1215.8	1120.8	1036.6	986.7	963.3
147.5°	1484.6	1477.1	1459.9	1430.6	1405.7	1347.4	1276.3	1192.2	1105.8	1044.1	1013.8
150°	1512.0	1505.8	1488.6	1460.6	1435.6	1381.1	1312.5	1234.6	1151.9	1086.5	1047.5
152.5°	1538.2	1532.0	1512.3	1484.3	1463.1	1412.3	1349.9	1275.7	1191.8	1126.4	1086.2
155°	1572.8	1565.0	1546.3	1519.8	1501.1	1454.3	1396.7	1331.2	1259.5	1190.9	1145.7
157.5°	1600.2	1590.6	1573.1	1550.4	1530.4	1487.4	1437.2	1380.8	1318.1	1252.6	1206.5
160°	1616.5	1605.5	1586.8	1566.6	1547.9	1507.3	1462.1	1410.7	1353.0	1293.8	1243.9
162.5°	1627.7	1618.0	1595.6	1577.8	1561.6	1524.8	1482.1	1435.6	1384.2	1332.4	1286.3
165°	1639.8	1628.9	1605.5	1591.5	1577.5	1546.3	1508.9	1471.5	1427.8	1385.8	1348.3
167.5°	1640.8	1631.7	1608.3	1594.6	1584.3	1557.5	1527.3	1498.6	1464.6	1431.6	1400.4
170°	1638.3	1630.5	1607.1	1594.6	1586.8	1565.0	1538.5	1513.6	1487.1	1459.0	1434.1
172.5°	1629.5	1621.8	1599.6	1589.6	1585.6	1566.3	1544.7	1526.0	1503.3	1482.7	1462.8
175°	1607.1	1600.9	1582.2	1575.9	1577.5	1565.0	1549.4	1538.5	1524.5	1512.0	1501.1
177.5°	1574.4	1570.6	1556.9	1556.9	1561.9	1554.4	1549.4	1544.4	1538.2	1534.5	1530.7
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435813

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2	907.2
2.5°	890.6	885.6	881.9	878.7	877.5	876.2	877.5	878.7	881.9	885.6	890.6
5°	838.8	812.2	784.1	761.1	753.2	745.4	753.2	761.1	784.1	812.2	838.8
7.5°	746.2	714.2	702.3	692.8	690.3	687.8	690.3	692.8	702.3	714.2	746.2
10°	710.3	684.5	675.1	668.1	668.1	668.1	668.1	668.1	675.1	684.5	710.3
12.5°	682.1	666.4	665.7	666.8	673.1	679.3	673.1	666.8	665.7	666.4	682.1
15°	660.6	663.0	688.0	708.7	716.5	724.3	716.5	708.7	688.0	663.0	660.6
17.5°	653.2	666.7	697.6	722.4	728.6	734.9	728.6	722.4	697.6	666.7	653.2
20°	662.6	679.8	703.2	722.4	728.6	734.9	728.6	722.4	703.2	679.8	662.6
22.5°	664.8	685.7	704.2	719.6	725.8	732.1	725.8	719.6	704.2	685.7	664.8
25°	657.9	682.9	698.5	711.0	714.2	717.3	714.2	711.0	698.5	682.9	657.9
27.5°	641.3	668.9	684.5	696.7	698.9	701.1	698.9	696.7	684.5	668.9	641.3
30°	626.7	654.8	670.4	683.3	688.0	692.7	688.0	683.3	670.4	654.8	626.7
32.5°	605.4	634.2	653.5	668.3	669.2	670.2	669.2	668.3	653.5	634.2	605.4
35°	579.0	608.7	630.6	646.6	645.0	643.5	645.0	646.6	630.6	608.7	579.0
37.5°	555.7	584.8	603.8	618.6	620.5	622.4	620.5	618.6	603.8	584.8	555.7
40°	536.0	565.7	586.0	602.0	605.2	608.3	605.2	602.0	586.0	565.7	536.0
42.5°	518.5	548.8	569.1	585.2	588.3	591.4	588.3	585.2	569.1	548.8	518.5
45°	489.5	520.8	542.7	559.5	561.0	562.6	561.0	559.5	542.7	520.8	489.5
47.5°	462.6	494.0	514.3	529.9	531.5	533.0	531.5	529.9	514.3	494.0	462.6
50°	442.3	474.3	494.6	510.2	511.8	513.4	511.8	510.2	494.6	474.3	442.3
52.5°	422.9	456.2	474.0	487.7	489.3	490.9	489.3	487.7	474.0	456.2	422.9
55°	388.3	423.5	440.7	453.6	453.6	453.6	453.6	453.6	440.7	423.5	388.3
57.5°	352.6	388.7	403.7	415.4	417.3	419.1	417.3	415.4	403.7	388.7	352.6
60°	328.2	364.9	377.4	387.6	390.7	393.8	390.7	387.6	377.4	364.9	328.2
62.5°	304.1	339.6	352.1	361.9	363.8	365.7	363.8	361.9	352.1	339.6	304.1
65°	266.8	298.1	310.6	320.4	321.9	323.5	321.9	320.4	310.6	298.1	266.8
67.5°	232.6	258.2	267.0	273.9	275.1	276.4	275.1	273.9	267.0	258.2	232.6
70°	209.8	231.7	237.9	242.6	242.6	242.6	242.6	242.6	237.9	231.7	209.8
72.5°	182.6	200.7	207.0	212.0	213.2	214.5	213.2	212.0	207.0	200.7	182.6
75°	143.8	157.1	161.7	165.7	167.2	168.8	167.2	165.7	161.7	157.1	143.8
77.5°	105.2	113.9	116.7	119.2	120.8	122.4	120.8	119.2	116.7	113.9	105.2
80°	78.9	85.2	86.7	88.3	89.9	91.4	89.9	88.3	86.7	85.2	78.9
82.5°	55.5	59.9	61.4	62.7	63.0	63.3	63.0	62.7	61.4	59.9	55.5
85°	26.6	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	26.6
87.5°	12.8	15.0	17.2	18.4	19.7	19.0	19.7	18.4	17.2	15.0	12.8
90°	35.9	46.8	57.7	63.9	70.1	67.0	70.1	63.9	57.7	46.8	35.9
92.5°	72.0	90.4	103.8	115.0	120.0	119.4	120.0	115.0	103.8	90.4	72.0
95°	145.0	166.8	188.6	204.2	213.6	210.4	213.6	204.2	188.6	166.8	145.0
97.5°	223.5	252.8	277.2	291.8	301.2	307.4	301.2	291.8	277.2	252.8	223.5
100°	275.9	304.0	332.0	349.2	364.8	371.0	364.8	349.2	332.0	304.0	275.9
102.5°	318.3	355.1	385.6	404.0	417.1	423.4	417.1	404.0	385.6	355.1	318.3
105°	388.1	427.1	459.8	483.2	497.2	501.9	497.2	483.2	459.8	427.1	388.1
107.5°	458.0	498.2	528.4	554.3	571.4	581.4	571.4	554.3	528.4	498.2	458.0
110°	512.8	545.6	578.3	601.7	618.8	625.1	618.8	601.7	578.3	545.6	512.8



TEST NUMBER: P1435813

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	559.0	595.5	628.2	651.6	671.2	679.9	671.2	651.6	628.2	595.5	559.0
115°	623.5	671.8	701.4	723.3	737.3	745.1	737.3	723.3	701.4	671.8	623.5
117.5°	677.1	727.6	760.1	776.9	783.4	789.1	783.4	776.9	760.1	727.6	677.1
120°	710.8	757.6	795.0	816.8	824.6	827.7	824.6	816.8	795.0	757.6	710.8
122.5°	742.0	786.2	822.4	849.2	862.0	865.1	862.0	849.2	822.4	786.2	742.0
125°	785.6	827.7	865.1	891.6	905.6	913.4	905.6	891.6	865.1	827.7	785.6
127.5°	823.7	869.2	903.5	927.5	941.2	947.4	941.2	927.5	903.5	869.2	823.7
130°	844.9	891.6	925.9	952.4	964.9	971.1	964.9	952.4	925.9	891.6	844.9
132.5°	861.1	910.3	945.9	969.9	983.6	989.8	983.6	969.9	945.9	910.3	861.1
135°	880.7	932.1	969.6	992.9	1005.4	1011.6	1005.4	992.9	969.6	932.1	880.7
137.5°	897.9	944.6	983.6	1008.2	1019.4	1023.5	1019.4	1008.2	983.6	944.6	897.9
140°	910.3	950.9	989.8	1013.2	1025.7	1027.2	1025.7	1013.2	989.8	950.9	910.3
142.5°	926.5	958.3	992.3	1015.7	1028.2	1031.0	1028.2	1015.7	992.3	958.3	926.5
145°	955.5	974.2	997.6	1019.4	1030.4	1033.5	1030.4	1019.4	997.6	974.2	955.5
147.5°	992.0	997.9	1010.1	1024.4	1035.0	1037.2	1035.0	1024.4	1010.1	997.9	992.0
150°	1019.4	1017.9	1022.6	1031.9	1041.3	1039.7	1041.3	1031.9	1022.6	1017.9	1019.4
152.5°	1050.6	1041.6	1041.3	1045.6	1050.0	1049.7	1050.0	1045.6	1041.3	1041.6	1050.6
155°	1103.6	1086.5	1077.1	1074.0	1074.0	1072.4	1074.0	1074.0	1077.1	1086.5	1103.6
157.5°	1161.9	1137.9	1123.9	1116.4	1114.2	1110.8	1114.2	1116.4	1123.9	1137.9	1161.9
160°	1201.8	1175.3	1161.3	1148.8	1144.1	1139.5	1144.1	1148.8	1161.3	1175.3	1201.8
162.5°	1239.2	1214.0	1198.7	1187.5	1182.8	1175.6	1182.8	1187.5	1198.7	1214.0	1239.2
165°	1300.0	1273.5	1256.4	1247.0	1240.8	1234.6	1240.8	1247.0	1256.4	1273.5	1300.0
167.5°	1360.8	1331.8	1320.6	1310.0	1304.1	1292.8	1304.1	1310.0	1320.6	1331.8	1360.8
170°	1398.2	1371.7	1365.5	1356.1	1345.2	1332.8	1345.2	1356.1	1365.5	1371.7	1398.2
172.5°	1430.6	1412.9	1406.6	1397.3	1393.9	1383.9	1393.9	1397.3	1406.6	1412.9	1430.6
175°	1477.7	1463.7	1463.7	1462.1	1457.5	1448.1	1457.5	1462.1	1463.7	1463.7	1477.7
177.5°	1517.0	1509.5	1514.5	1514.5	1513.3	1504.5	1513.3	1514.5	1514.5	1509.5	1517.0
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435813

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	907.2	907.2	907.2	907.2
2.5°	896.9	901.5	901.5	901.5
5°	863.8	883.7	888.4	893.1
7.5°	798.4	842.8	863.7	884.7
10°	752.5	794.7	836.8	879.0
12.5°	713.1	751.2	810.9	870.6
15°	681.0	713.0	780.2	847.4
17.5°	657.3	677.9	748.2	818.6
20°	651.7	661.0	731.4	801.7
22.5°	641.3	641.0	710.1	779.2
25°	623.5	613.0	673.9	734.9
27.5°	602.0	584.5	632.6	680.7
30°	586.0	565.7	606.3	647.0
32.5°	567.3	546.0	575.4	604.8
35°	541.5	516.5	529.0	541.5
37.5°	516.6	486.3	482.3	478.2
40°	497.0	464.1	450.1	436.0
42.5°	478.2	444.1	428.8	413.5
45°	448.9	416.1	406.7	397.3
47.5°	420.1	386.5	379.6	372.7
50°	398.5	363.3	354.0	344.6
52.5°	374.1	336.1	330.5	324.9
55°	335.2	296.5	301.2	305.9
57.5°	295.4	253.5	257.5	261.6
60°	267.2	223.5	231.3	239.1
62.5°	245.7	203.2	208.5	213.8
65°	216.8	178.5	175.4	172.3
67.5°	190.1	155.6	145.3	135.0
70°	172.3	140.6	126.6	112.5
72.5°	152.6	126.6	112.5	98.5
75°	121.9	102.0	87.9	73.8
77.5°	90.5	76.6	65.0	53.4
80°	68.0	57.8	50.0	42.2
82.5°	48.3	41.3	34.7	28.1
85°	23.4	20.3	17.2	14.1
87.5°	11.2	8.7	6.2	3.7
90°	28.1	17.1	10.9	4.7
92.5°	60.5	42.1	29.6	17.1
95°	121.6	96.6	68.6	48.3
97.5°	193.6	153.4	125.6	92.3
100°	232.3	193.3	166.8	130.9
102.5°	274.7	241.9	205.4	169.6
105°	350.7	310.2	268.1	227.6
107.5°	421.2	376.6	326.1	289.6
110°	466.1	417.8	364.8	332.0



TEST NUMBER: P1435813

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	509.7	460.2	405.9	373.2
115°	569.0	514.4	464.5	436.5
117.5°	626.0	569.9	517.2	495.1
120°	660.9	604.8	553.4	536.2
122.5°	689.6	634.7	587.0	579.9
125°	732.6	676.5	636.0	645.3
127.5°	767.5	716.1	690.5	711.4
130°	788.7	743.5	727.9	757.6
132.5°	807.4	772.2	765.4	806.2
135°	835.5	815.2	821.5	877.6
137.5°	868.9	861.1	882.0	952.7
140°	890.1	894.7	924.4	1003.9
142.5°	918.7	929.7	968.0	1052.5
145°	963.3	986.7	1036.6	1120.8
147.5°	1013.8	1044.1	1105.8	1192.2
150°	1047.5	1086.5	1151.9	1234.6
152.5°	1086.2	1126.4	1191.8	1275.7
155°	1145.7	1190.9	1259.5	1331.2
157.5°	1206.5	1252.6	1318.1	1380.8
160°	1243.9	1293.8	1353.0	1410.7
162.5°	1286.3	1332.4	1384.2	1435.6
165°	1348.3	1385.8	1427.8	1471.5
167.5°	1400.4	1431.6	1464.6	1498.6
170°	1434.1	1459.0	1487.1	1513.6
172.5°	1462.8	1482.7	1503.3	1526.0
175°	1501.1	1512.0	1524.5	1538.5
177.5°	1530.7	1534.5	1538.2	1544.4
180°	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1435813
 CATALOG NUMBER: SQ2W-FA-K-100U-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	13.93	14.66	15.02	15.74	17.24	15.13	15.86	16.22	16.94	18.43
	3H	15.01	15.66	16.10	16.76	18.26	16.36	17.01	17.46	18.11	19.62
	4H	15.35	15.97	16.46	17.07	18.58	16.74	17.36	17.85	18.46	19.97
	6H	15.51	16.08	16.62	17.18	18.70	16.90	17.47	18.01	18.57	20.09
	8H	15.54	16.08	16.66	17.20	18.71	16.92	17.46	18.04	18.58	20.09
	12H	15.53	16.04	16.65	17.15	18.70	16.90	17.41	18.02	18.52	20.06
4H	2H	14.78	15.40	15.89	16.50	18.01	15.69	16.31	16.81	17.41	18.92
	3H	16.16	16.67	17.28	17.79	19.32	17.15	17.66	18.27	18.78	20.31
	4H	16.61	17.08	17.73	18.19	19.74	17.62	18.09	18.74	19.20	20.75
	6H	16.83	17.23	17.96	18.37	19.91	17.83	18.24	18.96	19.37	20.91
	8H	16.88	17.26	18.01	18.39	19.94	17.87	18.25	19.01	19.38	20.94
	12H	16.88	17.22	18.03	18.36	19.92	17.86	18.20	19.01	19.34	20.90
8H	4H	16.98	17.36	18.11	18.48	20.04	17.80	18.18	18.93	19.31	20.86
	6H	17.32	17.64	18.48	18.81	20.36	18.11	18.42	19.26	19.59	21.14
	8H	17.44	17.71	18.60	18.86	20.43	18.20	18.48	19.36	19.63	21.20
	12H	17.47	17.71	18.63	18.86	20.46	18.21	18.45	19.37	19.60	21.20
12H	4H	16.97	17.32	18.12	18.46	20.02	17.76	18.11	18.91	19.25	20.80
	6H	17.39	17.67	18.55	18.81	20.39	18.13	18.40	19.28	19.55	21.12
	8H	17.53	17.77	18.69	18.92	20.52	18.23	18.47	19.40	19.62	21.23