

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: P1427943

Luminaire Tested: SQ2W-PH1-K-125U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427943  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PH1-K-125U-050D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE HEX 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**

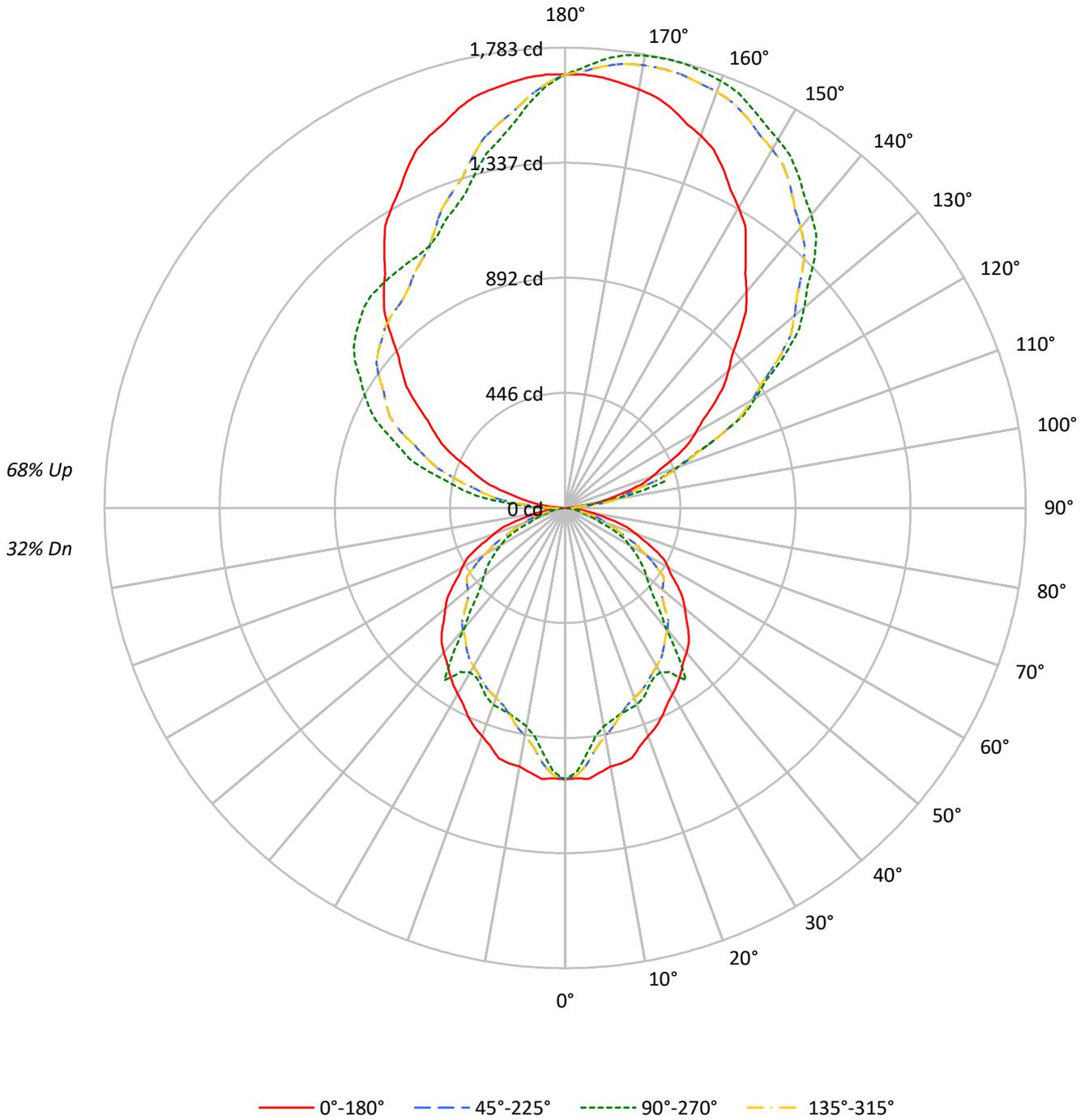
Lumens per Lamp: N/A  
Luminaire Lumens: 7232.8 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 61.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-PH1-K-125U-050D-L935-UNV-STD-W-WM-4

### 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	73	73	73	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	35	34	27
2	86	78	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	56	70	62	56	52	50	46	42	38	36	33	28	26	24	20
4	71	61	53	48	64	55	49	44	44	40	36	34	31	28	25	23	21	17
5	65	54	46	41	59	49	42	37	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	54	44	37	32	36	31	27	28	24	21	20	18	16	13
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	18	16	14	11
8	51	40	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	19	21	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	16969	16969	16969	16969
5°	17066	15510	17066	15510
10°	16673	14099	16673	14099
15°	16749	13823	16749	13823
20°	16151	13934	16151	13934
25°	15855	13610	15855	13610
30°	15511	13721	15511	13721
35°	15394	16083	15394	16083
40°	15407	12751	15407	12751
45°	15412	10983	15412	10983
50°	15196	10298	15196	10298
55°	15003	9880	15003	9880
60°	14854	9268	14854	9268
65°	14594	8061	14594	8061
70°	13784	5759	13784	5759
75°	12289	4367	12289	4367
80°	10042	4091	10042	4091
85°	6298	2779	6298	2779

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15412 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.5	1.3
10°-20°	243.3	3.4
20°-30°	356.6	4.9
30°-40°	431.8	6.0
40°-50°	424.7	5.9
50°-60°	369.4	5.1
60°-70°	256.9	3.6
70°-80°	121.8	1.7
80°-90°	33.8	0.5
90°-100°	133.6	1.8
100°-110°	389.6	5.4
110°-120°	635.9	8.8
120°-130°	806.9	11.2
130°-140°	863.4	11.9
140°-150°	806.2	11.1
150°-160°	663.4	9.2
160°-170°	444.9	6.2
170°-180°	158.0	2.2
0°-30°	692.4	9.6
0°-40°	1124.2	15.5
0°-60°	1918.3	26.5
0°-90°	2330.8	32.2
90°-120°	1159.2	16.0
90°-150°	3635.7	50.3
90°-180°	4902.0	67.8
0°-180°	7232.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1051	1051	1051	1051	1051	
5°	1053	957	1053	957	1053	99
15°	1002	827	1002	827	1002	279
25°	890	764	890	764	890	409
35°	781	816	781	816	781	489
45°	675	481	675	481	675	519
55°	533	351	533	351	533	476
65°	382	211	382	211	382	375
75°	197	70	197	70	197	209
85°	34	15	34	15	34	46
90°	5	37	5	73	5	5
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°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1048.6	1053.6	1058.6	1051.5	1040.5	1032.9	1028.6	1025.2	1024.5	1023.8	1024.5
5°	1053.0	1052.6	1052.1	1031.3	1003.8	983.1	969.3	958.8	957.9	957.0	957.9
7.5°	1033.8	1020.0	1006.3	978.3	945.7	921.8	906.6	895.0	894.3	893.6	894.3
10°	1017.0	996.1	975.2	943.7	908.6	884.1	870.3	860.0	860.0	860.0	860.0
12.5°	1013.0	980.0	947.1	912.5	877.4	854.7	844.5	837.3	839.5	841.6	839.5
15°	1002.0	952.2	902.5	867.3	837.1	820.7	818.0	817.2	822.1	827.0	822.1
17.5°	965.6	912.0	858.4	827.5	804.3	795.5	801.1	806.8	812.5	818.2	812.5
20°	940.0	887.1	834.2	805.7	785.2	780.3	791.0	800.3	805.7	811.0	805.7
22.5°	918.4	864.8	811.2	785.9	770.1	768.1	779.8	789.3	792.2	795.0	792.2
25°	890.0	829.6	769.1	750.7	746.2	749.1	759.3	766.7	765.3	764.0	765.3
27.5°	856.0	792.9	729.8	717.9	723.2	728.9	735.1	740.0	740.8	741.6	740.8
30°	832.0	768.9	705.8	696.3	704.8	712.1	718.3	724.5	730.2	736.0	730.2
32.5°	808.8	743.6	678.3	671.5	684.2	698.0	712.7	727.1	740.4	753.6	740.4
35°	781.0	713.0	645.0	639.7	655.2	675.2	699.7	728.9	772.5	816.0	772.5
37.5°	751.8	678.9	606.0	603.6	624.7	645.7	666.8	686.1	699.9	713.8	699.9
40°	731.0	654.6	578.1	578.0	603.3	629.6	656.7	669.0	637.0	605.0	637.0
42.5°	708.6	632.2	555.7	553.5	576.0	604.8	640.1	653.1	599.0	545.0	599.0
45°	675.0	595.4	515.9	513.0	535.7	551.7	561.0	558.3	519.7	481.0	519.7
47.5°	635.4	559.6	483.8	483.1	507.6	509.4	488.5	469.0	453.9	438.8	453.9
50°	605.0	533.4	461.9	465.0	493.0	490.3	457.0	429.6	419.8	410.0	419.8
52.5°	575.4	507.4	439.4	447.7	481.4	476.0	431.7	396.8	390.2	383.6	390.2
55°	533.0	467.7	402.3	421.0	467.7	460.6	399.7	353.7	352.3	351.0	352.3
57.5°	488.0	426.2	364.4	377.4	415.3	407.8	355.0	316.0	318.3	320.6	318.3
60°	460.0	400.0	340.0	341.7	363.9	356.8	320.3	292.3	289.7	287.0	289.7
62.5°	430.4	373.2	316.1	307.8	315.8	307.4	282.7	263.5	260.9	258.2	260.9
65°	382.0	330.0	278.0	262.3	258.8	246.8	226.3	211.0	211.0	211.0	211.0
67.5°	328.8	283.5	238.1	220.6	212.3	200.4	184.9	170.5	159.9	149.2	159.9
70°	292.0	252.0	212.0	193.7	182.6	168.3	151.0	136.2	129.1	122.0	129.1
72.5°	252.8	218.5	184.2	165.4	151.8	137.9	123.8	111.2	103.0	94.8	103.0
75°	197.0	169.4	141.9	123.7	108.6	94.6	81.7	71.8	70.9	70.0	70.9
77.5°	142.4	122.3	102.2	87.5	74.5	64.8	58.3	53.4	53.5	53.6	53.5
80°	108.0	92.9	77.8	64.0	50.7	43.8	43.3	43.1	43.6	44.0	43.6
82.5°	76.0	64.8	53.6	44.8	36.8	33.1	33.7	34.2	34.3	34.4	34.3
85°	34.0	28.7	23.3	21.3	20.4	19.1	17.3	15.9	15.4	15.0	15.4
87.5°	8.2	9.2	10.6	11.0	11.0	10.8	10.8	11.1	11.5	11.5	11.5
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°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1025.2	1028.6	1032.9	1040.5	1051.5	1058.6	1053.6	1048.6	1053.6	1058.6	1051.5
5°	958.8	969.3	983.1	1003.8	1031.3	1052.1	1052.6	1053.0	1052.6	1052.1	1031.3
7.5°	895.0	906.6	921.8	945.7	978.3	1006.3	1020.0	1033.8	1020.0	1006.3	978.3
10°	860.0	870.3	884.1	908.6	943.7	975.2	996.1	1017.0	996.1	975.2	943.7
12.5°	837.3	844.5	854.7	877.4	912.5	947.1	980.0	1013.0	980.0	947.1	912.5
15°	817.2	818.0	820.7	837.1	867.3	902.5	952.2	1002.0	952.2	902.5	867.3
17.5°	806.8	801.1	795.5	804.3	827.5	858.4	912.0	965.6	912.0	858.4	827.5
20°	800.3	791.0	780.3	785.2	805.7	834.2	887.1	940.0	887.1	834.2	805.7
22.5°	789.3	779.8	768.1	770.1	785.9	811.2	864.8	918.4	864.8	811.2	785.9
25°	766.7	759.3	749.1	746.2	750.7	769.1	829.6	890.0	829.6	769.1	750.7
27.5°	740.0	735.1	728.9	723.2	717.9	729.8	792.9	856.0	792.9	729.8	717.9
30°	724.5	718.3	712.1	704.8	696.3	705.8	768.9	832.0	768.9	705.8	696.3
32.5°	727.1	712.7	698.0	684.2	671.5	678.3	743.6	808.8	743.6	678.3	671.5
35°	728.9	699.7	675.2	655.2	639.7	645.0	713.0	781.0	713.0	645.0	639.7
37.5°	686.1	666.8	645.7	624.7	603.6	606.0	678.9	751.8	678.9	606.0	603.6
40°	669.0	656.7	629.6	603.3	578.0	578.1	654.6	731.0	654.6	578.1	578.0
42.5°	653.1	640.1	604.8	576.0	553.5	555.7	632.2	708.6	632.2	555.7	553.5
45°	558.3	561.0	551.7	535.7	513.0	515.9	595.4	675.0	595.4	515.9	513.0
47.5°	469.0	488.5	509.4	507.6	483.1	483.8	559.6	635.4	559.6	483.8	483.1
50°	429.6	457.0	490.3	493.0	465.0	461.9	533.4	605.0	533.4	461.9	465.0
52.5°	396.8	431.7	476.0	481.4	447.7	439.4	507.4	575.4	507.4	439.4	447.7
55°	353.7	399.7	460.6	467.7	421.0	402.3	467.7	533.0	467.7	402.3	421.0
57.5°	316.0	355.0	407.8	415.3	377.4	364.4	426.2	488.0	426.2	364.4	377.4
60°	292.3	320.3	356.8	363.9	341.7	340.0	400.0	460.0	400.0	340.0	341.7
62.5°	263.5	282.7	307.4	315.8	307.8	316.1	373.2	430.4	373.2	316.1	307.8
65°	211.0	226.3	246.8	258.8	262.3	278.0	330.0	382.0	330.0	278.0	262.3
67.5°	170.5	184.9	200.4	212.3	220.6	238.1	283.5	328.8	283.5	238.1	220.6
70°	136.2	151.0	168.3	182.6	193.7	212.0	252.0	292.0	252.0	212.0	193.7
72.5°	111.2	123.8	137.9	151.8	165.4	184.2	218.5	252.8	218.5	184.2	165.4
75°	71.8	81.7	94.6	108.6	123.7	141.9	169.4	197.0	169.4	141.9	123.7
77.5°	53.4	58.3	64.8	74.5	87.5	102.2	122.3	142.4	122.3	102.2	87.5
80°	43.1	43.3	43.8	50.7	64.0	77.8	92.9	108.0	92.9	77.8	64.0
82.5°	34.2	33.7	33.1	36.8	44.8	53.6	64.8	76.0	64.8	53.6	44.8
85°	15.9	17.3	19.1	20.4	21.3	23.3	28.7	34.0	28.7	23.3	21.3
87.5°	11.1	10.8	10.8	11.0	11.0	10.6	9.2	8.2	9.2	10.2	11.7
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: P1427943

CATALOG NUMBER: SQ2W-PH1-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: P1427943

CATALOG NUMBER: SQ2W-PH1-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0
2.5°	1040.5	1032.9	1028.6	1025.2	1024.5	1023.8	1024.5	1025.2	1028.6	1032.9	1040.5
5°	1003.8	983.1	969.3	958.8	957.9	957.0	957.9	958.8	969.3	983.1	1003.8
7.5°	945.7	921.8	906.6	895.0	894.3	893.6	894.3	895.0	906.6	921.8	945.7
10°	908.6	884.1	870.3	860.0	860.0	860.0	860.0	860.0	870.3	884.1	908.6
12.5°	877.4	854.7	844.5	837.3	839.5	841.6	839.5	837.3	844.5	854.7	877.4
15°	837.1	820.7	818.0	817.2	822.1	827.0	822.1	817.2	818.0	820.7	837.1
17.5°	804.3	795.5	801.1	806.8	812.5	818.2	812.5	806.8	801.1	795.5	804.3
20°	785.2	780.3	791.0	800.3	805.7	811.0	805.7	800.3	791.0	780.3	785.2
22.5°	770.1	768.1	779.8	789.3	792.2	795.0	792.2	789.3	779.8	768.1	770.1
25°	746.2	749.1	759.3	766.7	765.3	764.0	765.3	766.7	759.3	749.1	746.2
27.5°	723.2	728.9	735.1	740.0	740.8	741.6	740.8	740.0	735.1	728.9	723.2
30°	704.8	712.1	718.3	724.5	730.2	736.0	730.2	724.5	718.3	712.1	704.8
32.5°	684.2	698.0	712.7	727.1	740.4	753.6	740.4	727.1	712.7	698.0	684.2
35°	655.2	675.2	699.7	728.9	772.5	816.0	772.5	728.9	699.7	675.2	655.2
37.5°	624.7	645.7	666.8	686.1	699.9	713.8	699.9	686.1	666.8	645.7	624.7
40°	603.3	629.6	656.7	669.0	637.0	605.0	637.0	669.0	656.7	629.6	603.3
42.5°	576.0	604.8	640.1	653.1	599.0	545.0	599.0	653.1	640.1	604.8	576.0
45°	535.7	551.7	561.0	558.3	519.7	481.0	519.7	558.3	561.0	551.7	535.7
47.5°	507.6	509.4	488.5	469.0	453.9	438.8	453.9	469.0	488.5	509.4	507.6
50°	493.0	490.3	457.0	429.6	419.8	410.0	419.8	429.6	457.0	490.3	493.0
52.5°	481.4	476.0	431.7	396.8	390.2	383.6	390.2	396.8	431.7	476.0	481.4
55°	467.7	460.6	399.7	353.7	352.3	351.0	352.3	353.7	399.7	460.6	467.7
57.5°	415.3	407.8	355.0	316.0	318.3	320.6	318.3	316.0	355.0	407.8	415.3
60°	363.9	356.8	320.3	292.3	289.7	287.0	289.7	292.3	320.3	356.8	363.9
62.5°	315.8	307.4	282.7	263.5	260.9	258.2	260.9	263.5	282.7	307.4	315.8
65°	258.8	246.8	226.3	211.0	211.0	211.0	211.0	211.0	226.3	246.8	258.8
67.5°	212.3	200.4	184.9	170.5	159.9	149.2	159.9	170.5	184.9	200.4	212.3
70°	182.6	168.3	151.0	136.2	129.1	122.0	129.1	136.2	151.0	168.3	182.6
72.5°	151.8	137.9	123.8	111.2	103.0	94.8	103.0	111.2	123.8	137.9	151.8
75°	108.6	94.6	81.7	71.8	70.9	70.0	70.9	71.8	81.7	94.6	108.6
77.5°	74.5	64.8	58.3	53.4	53.5	53.6	53.5	53.4	58.3	64.8	74.5
80°	50.7	43.8	43.3	43.1	43.6	44.0	43.6	43.1	43.3	43.8	50.7
82.5°	36.8	33.1	33.7	34.2	34.3	34.4	34.3	34.2	33.7	33.1	36.8
85°	20.4	19.1	17.3	15.9	15.4	15.0	15.4	15.9	17.3	19.1	20.4
87.5°	12.3	14.2	16.5	17.9	19.3	18.6	19.3	17.9	16.5	14.2	12.3
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: P1427943

CATALOG NUMBER: SQ2W-PH1-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: P1427943

CATALOG NUMBER: SQ2W-PH1-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1051.0	1051.0	1051.0	1051.0
2.5°	1051.5	1058.6	1053.6	1048.6
5°	1031.3	1052.1	1052.6	1053.0
7.5°	978.3	1006.3	1020.0	1033.8
10°	943.7	975.2	996.1	1017.0
12.5°	912.5	947.1	980.0	1013.0
15°	867.3	902.5	952.2	1002.0
17.5°	827.5	858.4	912.0	965.6
20°	805.7	834.2	887.1	940.0
22.5°	785.9	811.2	864.8	918.4
25°	750.7	769.1	829.6	890.0
27.5°	717.9	729.8	792.9	856.0
30°	696.3	705.8	768.9	832.0
32.5°	671.5	678.3	743.6	808.8
35°	639.7	645.0	713.0	781.0
37.5°	603.6	606.0	678.9	751.8
40°	578.0	578.1	654.6	731.0
42.5°	553.5	555.7	632.2	708.6
45°	513.0	515.9	595.4	675.0
47.5°	483.1	483.8	559.6	635.4
50°	465.0	461.9	533.4	605.0
52.5°	447.7	439.4	507.4	575.4
55°	421.0	402.3	467.7	533.0
57.5°	377.4	364.4	426.2	488.0
60°	341.7	340.0	400.0	460.0
62.5°	307.8	316.1	373.2	430.4
65°	262.3	278.0	330.0	382.0
67.5°	220.6	238.1	283.5	328.8
70°	193.7	212.0	252.0	292.0
72.5°	165.4	184.2	218.5	252.8
75°	123.7	141.9	169.4	197.0
77.5°	87.5	102.2	122.3	142.4
80°	64.0	77.8	92.9	108.0
82.5°	44.8	53.6	64.8	76.0
85°	21.3	23.3	28.7	34.0
87.5°	11.7	10.2	9.2	8.2
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: P1427943

CATALOG NUMBER: SQ2W-PH1-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: P1427943  
 CATALOG NUMBER: SQ2W-PH1-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	14.79	15.50	15.88	16.60	18.10	13.62	14.33	14.71	15.43	16.93
	3H	16.95	17.59	18.06	18.69	20.22	14.65	15.30	15.76	16.40	17.92
	4H	17.76	18.37	18.87	19.47	21.00	14.89	15.50	16.01	16.60	18.13
	6H	18.22	18.78	19.34	19.88	21.42	15.03	15.59	16.15	16.69	18.23
	8H	18.36	18.90	19.49	20.02	21.55	15.08	15.61	16.21	16.73	18.27
	12H	18.42	18.92	19.55	20.04	21.59	15.09	15.59	16.22	16.71	18.26
4H	2H	15.20	15.81	16.33	16.92	18.44	14.28	14.89	15.40	15.99	17.52
	3H	17.44	17.95	18.57	19.08	20.62	15.50	16.00	16.63	17.13	18.67
	4H	18.31	18.77	19.44	19.89	21.45	15.78	16.25	16.92	17.37	18.93
	6H	18.86	19.26	20.00	20.40	21.95	15.97	16.37	17.11	17.51	19.07
	8H	19.06	19.43	20.20	20.56	22.13	16.06	16.43	17.20	17.57	19.13
	12H	19.14	19.47	20.29	20.62	22.19	16.08	16.41	17.23	17.56	19.13
8H	4H	18.32	18.69	19.46	19.83	21.39	16.00	16.37	17.14	17.51	19.07
	6H	18.94	19.25	20.10	20.43	21.99	16.26	16.57	17.42	17.74	19.31
	8H	19.20	19.47	20.37	20.63	22.21	16.41	16.68	17.57	17.83	19.42
	12H	19.33	19.56	20.50	20.72	22.34	16.46	16.70	17.63	17.85	19.47
12H	4H	18.26	18.60	19.42	19.75	21.32	15.99	16.33	17.15	17.47	19.05
	6H	18.92	19.19	20.08	20.34	21.93	16.30	16.56	17.46	17.72	19.30
	8H	19.18	19.42	20.35	20.57	22.19	16.45	16.69	17.62	17.84	19.46