

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: P1428050

Luminaire Tested: SQ2W-PP3-K-050U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428050  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-050U-100D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

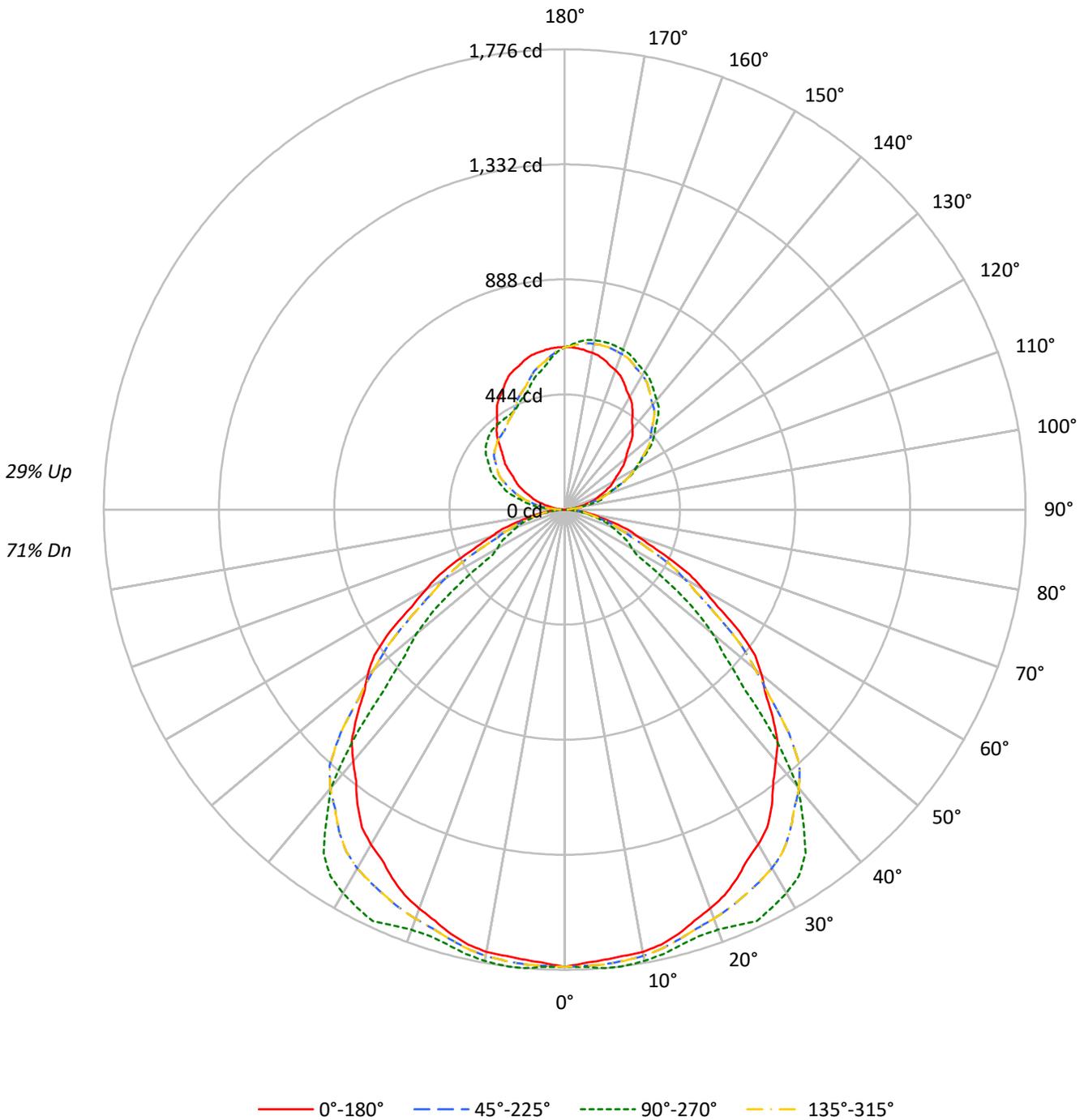
Lumens per Lamp: N/A  
Luminaire Lumens: 6275.1 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 52.5  
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

TEST NUMBER: P1428050

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L930-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	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	75	75	75	71	
1	103	99	95	92	98	94	91	88	85	82	80	76	74	72	68	66	65	65	65	65	61	
2	95	87	81	76	89	83	78	73	75	71	67	67	64	61	61	58	56	56	56	56	52	
3	87	77	70	64	82	74	67	62	67	62	57	60	56	53	54	51	48	48	48	48	45	
4	80	69	61	55	75	66	59	53	60	54	49	54	49	46	49	45	42	42	42	42	39	
5	73	62	54	48	69	59	52	46	54	48	43	49	44	40	44	40	37	37	37	37	34	
6	68	56	48	42	64	53	46	40	49	42	38	44	39	35	40	36	33	33	33	33	30	
7	63	50	42	37	59	48	41	36	44	38	34	40	35	31	37	33	29	29	29	29	27	
8	58	46	38	33	55	44	37	32	40	34	30	37	32	28	34	30	26	26	26	26	24	
9	55	42	35	29	52	40	33	29	37	31	27	34	29	25	31	27	24	24	24	24	22	
10	51	39	31	27	48	37	30	26	34	28	24	32	27	23	29	25	22	22	22	22	20	

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

	0°	90°	180°	270°
0°	28492	28492	28492	28492
5°	28269	28782	28269	28782
10°	28412	28994	28412	28994
15°	28344	29061	28344	29061
20°	28142	29649	28142	29649
25°	27981	31206	27981	31206
30°	27823	31858	27823	31858
35°	27429	31915	27429	31915
40°	26698	29488	26698	29488
45°	25897	22447	25897	22447
50°	24882	18695	24882	18695
55°	23158	13444	23158	13444
60°	19940	9639	19940	9639
65°	16821	9478	16821	9478
70°	14001	9068	14001	9068
75°	11871	8496	11871	8496
80°	10060	7634	10060	7634
85°	7947	4150	7947	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 28329 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.0	2.7
10°-20°	486.3	7.8
20°-30°	761.9	12.1
30°-40°	939.9	15.0
40°-50°	884.8	14.1
50°-60°	626.6	10.0
60°-70°	357.0	5.7
70°-80°	176.7	2.8
80°-90°	45.8	0.7
90°-100°	49.8	0.8
100°-110°	145.3	2.3
110°-120°	237.1	3.8
120°-130°	300.9	4.8
130°-140°	322.0	5.1
140°-150°	300.7	4.8
150°-160°	247.4	3.9
160°-170°	165.9	2.6
170°-180°	58.9	0.9
0°-30°	1416.3	22.6
0°-40°	2356.1	37.5
0°-60°	3867.5	61.6
0°-90°	4447.0	70.9
90°-120°	432.3	6.9
90°-150°	1355.8	21.6
90°-180°	1828.0	29.1
0°-180°	6275.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1765	1765	1765	1765	1765	
5°	1744	1776	1744	1776	1744	166
15°	1696	1739	1696	1739	1696	478
25°	1571	1752	1571	1752	1571	723
35°	1392	1619	1392	1619	1392	868
45°	1134	983	1134	983	1134	873
55°	823	478	823	478	823	726
65°	440	248	440	248	440	442
75°	190	136	190	136	190	206
85°	43	22	43	22	43	50
90°	2	14	2	27	2	3
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7
2.5°	1751.3	1762.6	1773.9	1771.2	1763.9	1760.9	1762.2	1763.6	1764.9	1766.2	1764.9
5°	1744.2	1758.3	1772.4	1770.3	1762.9	1760.0	1761.6	1764.3	1770.1	1775.9	1770.1
7.5°	1737.5	1751.9	1766.4	1764.5	1757.2	1755.0	1757.8	1761.7	1768.8	1775.9	1768.8
10°	1733.0	1745.5	1757.9	1756.0	1749.4	1748.2	1752.3	1756.9	1762.7	1768.5	1762.7
12.5°	1719.6	1731.4	1743.1	1741.6	1735.6	1735.4	1740.9	1746.2	1751.4	1756.5	1751.4
15°	1695.7	1706.5	1717.3	1717.5	1714.2	1716.2	1723.7	1730.3	1734.5	1738.6	1734.5
17.5°	1663.3	1676.4	1689.5	1692.5	1692.1	1697.3	1707.9	1716.9	1721.2	1725.6	1721.2
20°	1637.9	1653.6	1669.4	1674.6	1676.2	1683.7	1697.0	1709.0	1717.3	1725.6	1717.3
22.5°	1611.0	1629.4	1647.8	1654.7	1657.7	1669.1	1689.0	1707.5	1721.7	1736.0	1721.7
25°	1570.7	1589.0	1607.2	1620.5	1632.1	1652.4	1681.4	1708.6	1730.1	1751.7	1730.1
27.5°	1523.7	1541.8	1559.9	1582.7	1607.0	1635.6	1668.2	1697.0	1714.1	1731.2	1714.1
30°	1492.4	1509.8	1527.2	1553.3	1582.3	1613.8	1647.8	1677.3	1693.0	1708.8	1693.0
32.5°	1453.6	1471.6	1489.7	1517.5	1548.5	1582.3	1619.0	1650.1	1664.5	1678.9	1664.5
35°	1391.6	1409.1	1426.5	1458.8	1496.1	1533.8	1572.0	1602.6	1610.9	1619.2	1610.9
37.5°	1320.4	1340.1	1359.8	1396.1	1437.9	1469.5	1490.9	1507.1	1507.5	1508.0	1507.5
40°	1266.7	1292.4	1318.1	1354.3	1394.1	1416.1	1420.2	1420.7	1409.9	1399.1	1409.9
42.5°	1214.4	1247.4	1280.4	1309.6	1337.4	1343.1	1326.7	1302.4	1254.5	1206.6	1254.5
45°	1134.2	1173.2	1212.1	1230.0	1240.7	1204.3	1120.5	1049.4	1016.3	983.1	1016.3
47.5°	1048.8	1087.2	1125.7	1120.8	1101.4	1046.2	955.1	881.1	858.2	835.4	858.2
50°	990.6	1027.0	1063.5	1037.2	989.9	927.8	850.7	787.4	765.9	744.3	765.9
52.5°	924.9	957.4	989.9	950.1	886.3	820.8	753.6	695.1	662.2	629.4	662.2
55°	822.7	845.1	867.4	823.9	758.4	686.3	607.5	540.6	509.1	477.6	509.1
57.5°	699.6	715.3	731.1	696.8	645.9	574.2	481.7	403.4	368.1	332.8	368.1
60°	617.5	629.9	642.3	611.3	565.7	497.3	406.1	333.3	315.9	298.5	315.9
62.5°	542.9	554.0	565.1	532.7	485.7	424.6	349.3	291.3	285.2	279.1	285.2
65°	440.3	451.0	461.8	427.8	378.9	331.2	284.8	249.8	248.9	248.1	248.9
67.5°	350.3	362.1	373.9	341.9	295.3	260.0	236.2	218.0	217.0	216.0	217.0
70°	296.6	309.0	321.5	291.6	247.7	219.1	205.8	195.5	193.8	192.1	193.8
72.5°	251.8	263.6	275.4	249.4	210.7	187.1	178.5	171.7	170.8	169.8	170.8
75°	190.3	199.4	208.5	189.7	161.5	145.3	141.2	137.8	137.0	136.2	137.0
77.5°	138.0	143.8	149.7	137.3	118.9	108.6	106.5	104.6	103.8	103.0	103.8
80°	108.2	110.7	113.2	104.5	92.0	85.4	84.6	83.7	82.9	82.1	82.9
82.5°	81.3	80.5	79.7	74.6	68.2	64.5	63.7	62.7	61.2	59.7	61.2
85°	42.9	41.2	39.6	37.9	36.3	33.8	30.5	27.4	24.9	22.4	24.9
87.5°	13.8	14.3	14.9	13.0	10.0	8.2	7.5	7.1	7.3	7.3	7.3
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7
2.5°	1763.6	1762.2	1760.9	1763.9	1771.2	1773.9	1762.6	1751.3	1762.6	1773.9	1771.2
5°	1764.3	1761.6	1760.0	1762.9	1770.3	1772.4	1758.3	1744.2	1758.3	1772.4	1770.3
7.5°	1761.7	1757.8	1755.0	1757.2	1764.5	1766.4	1751.9	1737.5	1751.9	1766.4	1764.5
10°	1756.9	1752.3	1748.2	1749.4	1756.0	1757.9	1745.5	1733.0	1745.5	1757.9	1756.0
12.5°	1746.2	1740.9	1735.4	1735.6	1741.6	1743.1	1731.4	1719.6	1731.4	1743.1	1741.6
15°	1730.3	1723.7	1716.2	1714.2	1717.5	1717.3	1706.5	1695.7	1706.5	1717.3	1717.5
17.5°	1716.9	1707.9	1697.3	1692.1	1692.5	1689.5	1676.4	1663.3	1676.4	1689.5	1692.5
20°	1709.0	1697.0	1683.7	1676.2	1674.6	1669.4	1653.6	1637.9	1653.6	1669.4	1674.6
22.5°	1707.5	1689.0	1669.1	1657.7	1654.7	1647.8	1629.4	1611.0	1629.4	1647.8	1654.7
25°	1708.6	1681.4	1652.4	1632.1	1620.5	1607.2	1589.0	1570.7	1589.0	1607.2	1620.5
27.5°	1697.0	1668.2	1635.6	1607.0	1582.7	1559.9	1541.8	1523.7	1541.8	1559.9	1582.7
30°	1677.3	1647.8	1613.8	1582.3	1553.3	1527.2	1509.8	1492.4	1509.8	1527.2	1553.3
32.5°	1650.1	1619.0	1582.3	1548.5	1517.5	1489.7	1471.6	1453.6	1471.6	1489.7	1517.5
35°	1602.6	1572.0	1533.8	1496.1	1458.8	1426.5	1409.1	1391.6	1409.1	1426.5	1458.8
37.5°	1507.1	1490.9	1469.5	1437.9	1396.1	1359.8	1340.1	1320.4	1340.1	1359.8	1396.1
40°	1420.7	1420.2	1416.1	1394.1	1354.3	1318.1	1292.4	1266.7	1292.4	1318.1	1354.3
42.5°	1302.4	1326.7	1343.1	1337.4	1309.6	1280.4	1247.4	1214.4	1247.4	1280.4	1309.6
45°	1049.4	1120.5	1204.3	1240.7	1230.0	1212.1	1173.2	1134.2	1173.2	1212.1	1230.0
47.5°	881.1	955.1	1046.2	1101.4	1120.8	1125.7	1087.2	1048.8	1087.2	1125.7	1120.8
50°	787.4	850.7	927.8	989.9	1037.2	1063.5	1027.0	990.6	1027.0	1063.5	1037.2
52.5°	695.1	753.6	820.8	886.3	950.1	989.9	957.4	924.9	957.4	989.9	950.1
55°	540.6	607.5	686.3	758.4	823.9	867.4	845.1	822.7	845.1	867.4	823.9
57.5°	403.4	481.7	574.2	645.9	696.8	731.1	715.3	699.6	715.3	731.1	696.8
60°	333.3	406.1	497.3	565.7	611.3	642.3	629.9	617.5	629.9	642.3	611.3
62.5°	291.3	349.3	424.6	485.7	532.7	565.1	554.0	542.9	554.0	565.1	532.7
65°	249.8	284.8	331.2	378.9	427.8	461.8	451.0	440.3	451.0	461.8	427.8
67.5°	218.0	236.2	260.0	295.3	341.9	373.9	362.1	350.3	362.1	373.9	341.9
70°	195.5	205.8	219.1	247.7	291.6	321.5	309.0	296.6	309.0	321.5	291.6
72.5°	171.7	178.5	187.1	210.7	249.4	275.4	263.6	251.8	263.6	275.4	249.4
75°	137.8	141.2	145.3	161.5	189.7	208.5	199.4	190.3	199.4	208.5	189.7
77.5°	104.6	106.5	108.6	118.9	137.3	149.7	143.8	138.0	143.8	149.7	137.3
80°	83.7	84.6	85.4	92.0	104.5	113.2	110.7	108.2	110.7	113.2	104.5
82.5°	62.7	63.7	64.5	68.2	74.6	79.7	80.5	81.3	80.5	79.7	74.6
85°	27.4	30.5	33.8	36.3	37.9	39.6	41.2	42.9	41.2	39.6	37.9
87.5°	7.1	7.5	8.2	10.0	13.0	14.9	14.3	13.8	14.3	14.8	13.2
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1428050

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428050

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7
2.5°	1763.9	1760.9	1762.2	1763.6	1764.9	1766.2	1764.9	1763.6	1762.2	1760.9	1763.9
5°	1762.9	1760.0	1761.6	1764.3	1770.1	1775.9	1770.1	1764.3	1761.6	1760.0	1762.9
7.5°	1757.2	1755.0	1757.8	1761.7	1768.8	1775.9	1768.8	1761.7	1757.8	1755.0	1757.2
10°	1749.4	1748.2	1752.3	1756.9	1762.7	1768.5	1762.7	1756.9	1752.3	1748.2	1749.4
12.5°	1735.6	1735.4	1740.9	1746.2	1751.4	1756.5	1751.4	1746.2	1740.9	1735.4	1735.6
15°	1714.2	1716.2	1723.7	1730.3	1734.5	1738.6	1734.5	1730.3	1723.7	1716.2	1714.2
17.5°	1692.1	1697.3	1707.9	1716.9	1721.2	1725.6	1721.2	1716.9	1707.9	1697.3	1692.1
20°	1676.2	1683.7	1697.0	1709.0	1717.3	1725.6	1717.3	1709.0	1697.0	1683.7	1676.2
22.5°	1657.7	1669.1	1689.0	1707.5	1721.7	1736.0	1721.7	1707.5	1689.0	1669.1	1657.7
25°	1632.1	1652.4	1681.4	1708.6	1730.1	1751.7	1730.1	1708.6	1681.4	1652.4	1632.1
27.5°	1607.0	1635.6	1668.2	1697.0	1714.1	1731.2	1714.1	1697.0	1668.2	1635.6	1607.0
30°	1582.3	1613.8	1647.8	1677.3	1693.0	1708.8	1693.0	1677.3	1647.8	1613.8	1582.3
32.5°	1548.5	1582.3	1619.0	1650.1	1664.5	1678.9	1664.5	1650.1	1619.0	1582.3	1548.5
35°	1496.1	1533.8	1572.0	1602.6	1610.9	1619.2	1610.9	1602.6	1572.0	1533.8	1496.1
37.5°	1437.9	1469.5	1490.9	1507.1	1507.5	1508.0	1507.5	1507.1	1490.9	1469.5	1437.9
40°	1394.1	1416.1	1420.2	1420.7	1409.9	1399.1	1409.9	1420.7	1420.2	1416.1	1394.1
42.5°	1337.4	1343.1	1326.7	1302.4	1254.5	1206.6	1254.5	1302.4	1326.7	1343.1	1337.4
45°	1240.7	1204.3	1120.5	1049.4	1016.3	983.1	1016.3	1049.4	1120.5	1204.3	1240.7
47.5°	1101.4	1046.2	955.1	881.1	858.2	835.4	858.2	881.1	955.1	1046.2	1101.4
50°	989.9	927.8	850.7	787.4	765.9	744.3	765.9	787.4	850.7	927.8	989.9
52.5°	886.3	820.8	753.6	695.1	662.2	629.4	662.2	695.1	753.6	820.8	886.3
55°	758.4	686.3	607.5	540.6	509.1	477.6	509.1	540.6	607.5	686.3	758.4
57.5°	645.9	574.2	481.7	403.4	368.1	332.8	368.1	403.4	481.7	574.2	645.9
60°	565.7	497.3	406.1	333.3	315.9	298.5	315.9	333.3	406.1	497.3	565.7
62.5°	485.7	424.6	349.3	291.3	285.2	279.1	285.2	291.3	349.3	424.6	485.7
65°	378.9	331.2	284.8	249.8	248.9	248.1	248.9	249.8	284.8	331.2	378.9
67.5°	295.3	260.0	236.2	218.0	217.0	216.0	217.0	218.0	236.2	260.0	295.3
70°	247.7	219.1	205.8	195.5	193.8	192.1	193.8	195.5	205.8	219.1	247.7
72.5°	210.7	187.1	178.5	171.7	170.8	169.8	170.8	171.7	178.5	187.1	210.7
75°	161.5	145.3	141.2	137.8	137.0	136.2	137.0	137.8	141.2	145.3	161.5
77.5°	118.9	108.6	106.5	104.6	103.8	103.0	103.8	104.6	106.5	108.6	118.9
80°	92.0	85.4	84.6	83.7	82.9	82.1	82.9	83.7	84.6	85.4	92.0
82.5°	68.2	64.5	63.7	62.7	61.2	59.7	61.2	62.7	63.7	64.5	68.2
85°	36.3	33.8	30.5	27.4	24.9	22.4	24.9	27.4	30.5	33.8	36.3
87.5°	10.5	9.4	9.7	9.7	10.2	9.9	10.2	9.7	9.7	9.4	10.5
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1428050

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428050

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1764.7	1764.7	1764.7	1764.7
2.5°	1771.2	1773.9	1762.6	1751.3
5°	1770.3	1772.4	1758.3	1744.2
7.5°	1764.5	1766.4	1751.9	1737.5
10°	1756.0	1757.9	1745.5	1733.0
12.5°	1741.6	1743.1	1731.4	1719.6
15°	1717.5	1717.3	1706.5	1695.7
17.5°	1692.5	1689.5	1676.4	1663.3
20°	1674.6	1669.4	1653.6	1637.9
22.5°	1654.7	1647.8	1629.4	1611.0
25°	1620.5	1607.2	1589.0	1570.7
27.5°	1582.7	1559.9	1541.8	1523.7
30°	1553.3	1527.2	1509.8	1492.4
32.5°	1517.5	1489.7	1471.6	1453.6
35°	1458.8	1426.5	1409.1	1391.6
37.5°	1396.1	1359.8	1340.1	1320.4
40°	1354.3	1318.1	1292.4	1266.7
42.5°	1309.6	1280.4	1247.4	1214.4
45°	1230.0	1212.1	1173.2	1134.2
47.5°	1120.8	1125.7	1087.2	1048.8
50°	1037.2	1063.5	1027.0	990.6
52.5°	950.1	989.9	957.4	924.9
55°	823.9	867.4	845.1	822.7
57.5°	696.8	731.1	715.3	699.6
60°	611.3	642.3	629.9	617.5
62.5°	532.7	565.1	554.0	542.9
65°	427.8	461.8	451.0	440.3
67.5°	341.9	373.9	362.1	350.3
70°	291.6	321.5	309.0	296.6
72.5°	249.4	275.4	263.6	251.8
75°	189.7	208.5	199.4	190.3
77.5°	137.3	149.7	143.8	138.0
80°	104.5	113.2	110.7	108.2
82.5°	74.6	79.7	80.5	81.3
85°	37.9	39.6	41.2	42.9
87.5°	13.2	14.8	14.3	13.8
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1428050

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1428050  
 CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L930-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	20.85	21.89	21.61	22.67	23.61	16.62	17.66	17.38	18.44	19.38
	3H	21.93	22.85	22.70	23.64	24.61	17.95	18.87	18.72	19.66	20.63
	4H	22.30	23.17	23.10	23.97	24.96	18.51	19.38	19.31	20.18	21.16
	6H	22.51	23.31	23.31	24.11	25.11	18.89	19.69	19.69	20.49	21.49
	8H	22.57	23.34	23.39	24.16	25.16	19.02	19.78	19.83	20.61	21.60
	12H	22.60	23.33	23.42	24.14	25.17	19.06	19.79	19.88	20.60	21.63
4H	2H	20.99	21.86	21.79	22.66	23.65	17.55	18.43	18.35	19.22	20.21
	3H	22.30	23.02	23.11	23.86	24.86	18.99	19.71	19.80	20.55	21.55
	4H	22.82	23.47	23.64	24.30	25.33	19.62	20.28	20.45	21.11	22.13
	6H	23.14	23.71	23.98	24.56	25.60	20.08	20.64	20.92	21.50	22.53
	8H	23.26	23.78	24.10	24.63	25.68	20.25	20.78	21.09	21.63	22.67
	12H	23.31	23.78	24.17	24.65	25.70	20.31	20.78	21.17	21.65	22.70
8H	4H	22.85	23.38	23.69	24.23	25.27	19.94	20.47	20.79	21.32	22.37
	6H	23.27	23.70	24.14	24.60	25.64	20.51	20.94	21.38	21.84	22.88
	8H	23.45	23.84	24.33	24.72	25.79	20.76	21.14	21.64	22.03	23.10
	12H	23.55	23.90	24.44	24.77	25.89	20.87	21.21	21.75	22.09	23.20
12H	4H	22.82	23.29	23.68	24.16	25.21	19.96	20.44	20.83	21.31	22.36
	6H	23.26	23.65	24.14	24.54	25.60	20.58	20.96	21.46	21.85	22.91
	8H	23.47	23.81	24.35	24.69	25.80	20.86	21.20	21.74	22.08	23.20