

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: P1428453

Luminaire Tested: SQ2W-PW1-K-125U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428453
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-125U-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

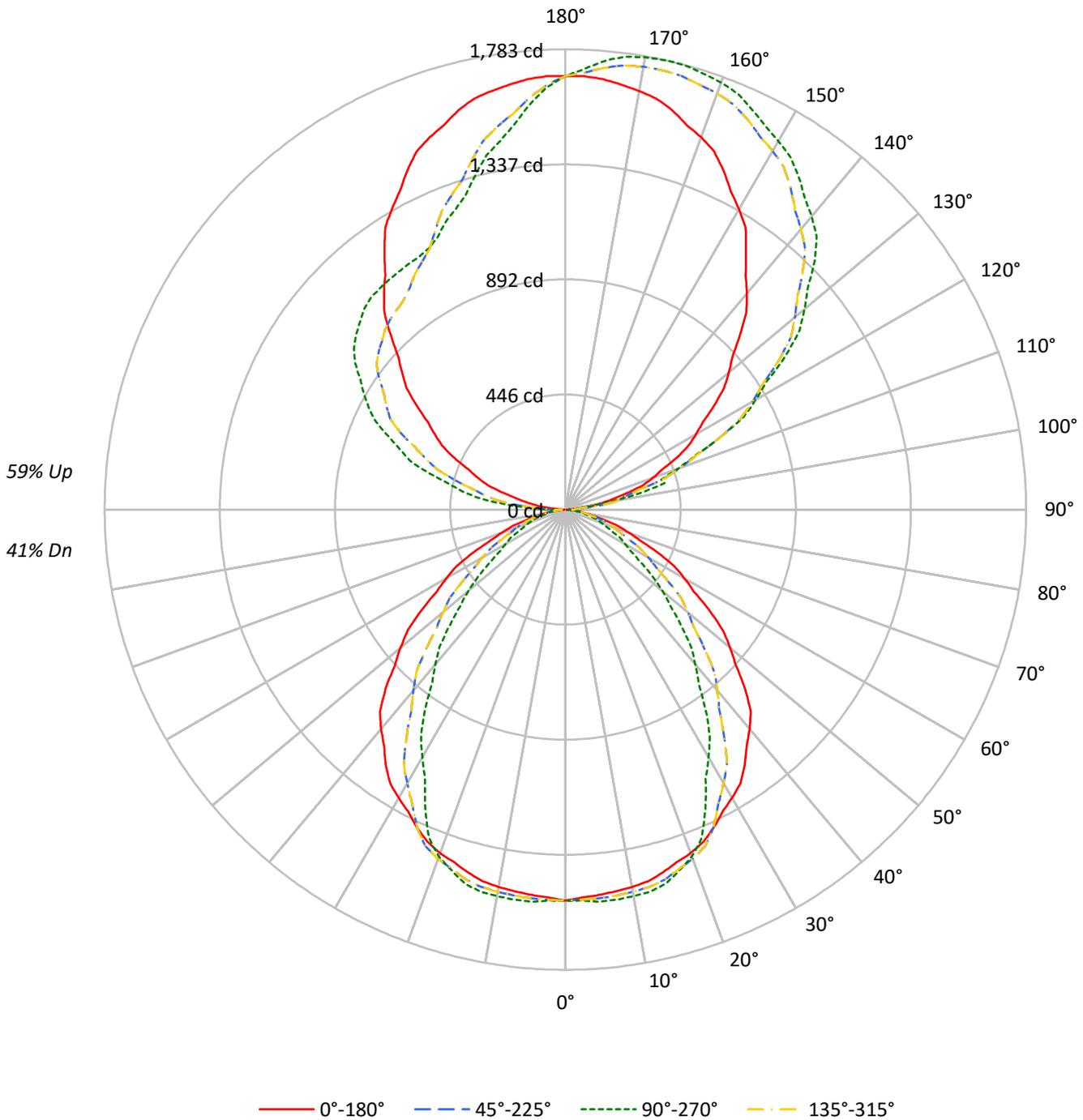
Lumens per Lamp: N/A
Luminaire Lumens: 8270.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
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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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				
1	96	92	88	85	88	84	81	78	69	67	65	55	54	53	43	42	41	35				
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	38	37	35	30				
3	80	71	65	59	73	66	60	55	54	50	46	44	41	38	34	32	31	26				
4	74	64	56	50	67	58	52	47	48	44	40	39	36	33	31	29	27	23				
5	68	57	49	43	62	52	45	40	44	38	35	35	32	29	28	25	23	20				
6	63	51	43	38	57	47	40	35	39	34	30	32	28	26	26	23	21	18				
7	58	46	38	33	53	43	36	31	36	31	27	29	26	23	23	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	14				
9	50	38	31	26	46	35	29	25	30	25	21	25	21	18	20	17	15	13				
10	47	35	28	23	43	33	26	22	28	23	19	23	19	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24456	24456	24456	24456
5°	24291	24713	24291	24713
10°	24336	24928	24336	24928
15°	24331	25078	24331	25078
20°	24340	24587	24340	24587
25°	24208	22847	24208	22847
30°	24044	20655	24044	20655
35°	23855	18652	23855	18652
40°	23380	16480	23380	16480
45°	22463	14394	22463	14394
50°	20908	12320	20908	12320
55°	19127	9990	19127	9990
60°	17143	8618	17143	8618
65°	14991	7660	14991	7660
70°	12260	6944	12260	6944
75°	9538	6388	9538	6388
80°	7113	5634	7113	5634
85°	4816	3205	4816	3205

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22463 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	1.7
10°-20°	417.9	5.1
20°-30°	615.0	7.4
30°-40°	672.4	8.1
40°-50°	603.2	7.3
50°-60°	450.0	5.4
60°-70°	284.4	3.4
70°-80°	140.9	1.7
80°-90°	39.9	0.5
90°-100°	133.6	1.6
100°-110°	389.6	4.7
110°-120°	635.9	7.7
120°-130°	806.9	9.8
130°-140°	863.4	10.4
140°-150°	806.2	9.7
150°-160°	663.4	8.0
160°-170°	444.9	5.4
170°-180°	158.0	1.9
0°-30°	1177.2	14.2
0°-40°	1849.6	22.4
0°-60°	2902.8	35.1
0°-90°	3368.0	40.7
90°-120°	1159.2	14.0
90°-150°	3635.7	44.0
90°-180°	4902.0	59.3
0°-180°	8270.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1515	1515	1515	1515	1515	
5°	1499	1525	1499	1525	1499	143
15°	1456	1500	1456	1500	1456	411
25°	1359	1282	1359	1282	1359	626
35°	1210	946	1210	946	1210	755
45°	984	630	984	630	984	754
55°	680	355	680	355	680	607
65°	392	200	392	200	392	389
75°	153	102	153	102	153	168
85°	26	17	26	17	26	33
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°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1504.3	1513.0	1521.8	1519.7	1514.1	1511.5	1512.0	1512.8	1514.3	1515.9	1514.3
5°	1498.8	1509.7	1520.6	1519.0	1513.3	1510.7	1511.3	1513.3	1519.0	1524.8	1519.0
7.5°	1491.3	1502.4	1513.4	1512.9	1508.5	1507.4	1509.6	1512.7	1518.3	1523.9	1518.3
10°	1484.4	1496.0	1507.5	1507.5	1503.7	1503.3	1506.5	1510.2	1515.4	1520.5	1515.4
12.5°	1475.2	1487.2	1499.3	1500.2	1497.4	1497.8	1501.5	1505.6	1510.7	1515.9	1510.7
15°	1455.6	1468.4	1481.2	1483.9	1483.3	1485.2	1489.7	1493.9	1497.1	1500.3	1497.1
17.5°	1432.8	1445.6	1458.4	1461.0	1460.1	1460.2	1461.3	1462.6	1464.1	1465.7	1464.1
20°	1416.6	1429.4	1442.3	1444.0	1442.1	1438.9	1434.4	1431.0	1431.0	1431.0	1431.0
22.5°	1393.5	1407.4	1421.2	1421.3	1416.8	1408.5	1396.3	1386.2	1382.1	1378.0	1382.1
25°	1358.9	1372.4	1385.8	1379.6	1366.8	1347.9	1322.8	1301.7	1292.1	1282.5	1292.1
27.5°	1318.5	1329.4	1340.3	1324.0	1298.6	1268.2	1232.6	1202.7	1189.3	1176.0	1189.3
30°	1289.7	1298.0	1306.3	1280.5	1243.3	1205.2	1166.1	1133.6	1120.7	1107.9	1120.7
32.5°	1259.7	1262.9	1266.1	1232.1	1185.6	1142.1	1101.5	1067.5	1053.7	1039.8	1053.7
35°	1210.3	1204.6	1198.8	1153.6	1095.2	1045.6	1004.5	970.7	958.5	946.3	958.5
37.5°	1152.0	1134.9	1117.7	1066.7	1004.6	952.0	909.0	873.4	860.0	846.5	860.0
40°	1109.3	1085.0	1060.6	1006.0	941.2	887.3	844.4	808.8	795.3	781.9	795.3
42.5°	1062.0	1031.5	1001.0	944.8	880.0	826.2	783.2	747.5	733.5	719.6	733.5
45°	983.8	947.9	912.0	853.5	787.5	733.6	692.0	657.3	643.9	630.4	643.9
47.5°	895.8	860.2	824.5	766.2	700.3	647.1	606.8	573.6	562.0	550.5	562.0
50°	832.4	797.7	763.1	707.3	644.5	592.9	552.5	518.7	504.6	490.5	504.6
52.5°	767.7	736.7	705.7	652.0	590.7	539.3	497.9	462.0	442.8	423.5	442.8
55°	679.5	650.0	620.5	569.8	512.1	460.2	414.0	376.7	365.8	354.9	365.8
57.5°	588.6	563.1	537.5	492.0	439.8	392.8	350.8	317.1	308.2	299.2	308.2
60°	530.9	508.4	486.0	442.4	391.7	348.8	313.5	284.8	275.9	266.9	275.9
62.5°	475.5	455.6	435.7	393.9	344.8	306.2	278.1	255.2	247.8	240.3	247.8
65°	392.4	377.6	362.9	328.4	287.4	255.3	232.3	213.3	206.9	200.5	206.9
67.5°	311.6	303.4	295.2	269.4	237.7	211.7	191.5	175.2	171.0	166.8	171.0
70°	259.7	257.1	254.5	233.2	205.6	183.5	166.9	153.6	150.3	147.1	150.3
72.5°	214.7	215.7	216.7	199.0	175.0	156.5	143.4	133.0	130.9	128.7	130.9
75°	152.9	158.0	163.2	151.5	134.2	121.0	112.0	105.0	103.7	102.4	103.7
77.5°	104.2	111.8	119.5	111.9	99.2	89.6	82.9	77.6	76.6	75.6	76.6
80°	76.5	84.2	91.8	86.6	76.9	69.6	64.4	60.6	60.6	60.6	60.6
82.5°	53.4	59.5	65.7	61.9	54.9	50.1	47.5	45.6	45.6	45.6	45.6
85°	26.0	29.2	32.4	31.3	28.7	25.5	21.6	18.6	18.0	17.3	18.0
87.5°	7.9	10.8	14.1	13.9	12.3	11.1	10.6	10.6	10.9	10.9	10.9
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°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1512.8	1512.0	1511.5	1514.1	1519.7	1521.8	1513.0	1504.3	1513.0	1521.8	1519.7
5°	1513.3	1511.3	1510.7	1513.3	1519.0	1520.6	1509.7	1498.8	1509.7	1520.6	1519.0
7.5°	1512.7	1509.6	1507.4	1508.5	1512.9	1513.4	1502.4	1491.3	1502.4	1513.4	1512.9
10°	1510.2	1506.5	1503.3	1503.7	1507.5	1507.5	1496.0	1484.4	1496.0	1507.5	1507.5
12.5°	1505.6	1501.5	1497.8	1497.4	1500.2	1499.3	1487.2	1475.2	1487.2	1499.3	1500.2
15°	1493.9	1489.7	1485.2	1483.3	1483.9	1481.2	1468.4	1455.6	1468.4	1481.2	1483.9
17.5°	1462.6	1461.3	1460.2	1460.1	1461.0	1458.4	1445.6	1432.8	1445.6	1458.4	1461.0
20°	1431.0	1434.4	1438.9	1442.1	1444.0	1442.3	1429.4	1416.6	1429.4	1442.3	1444.0
22.5°	1386.2	1396.3	1408.5	1416.8	1421.3	1421.2	1407.4	1393.5	1407.4	1421.2	1421.3
25°	1301.7	1322.8	1347.9	1366.8	1379.6	1385.8	1372.4	1358.9	1372.4	1385.8	1379.6
27.5°	1202.7	1232.6	1268.2	1298.6	1324.0	1340.3	1329.4	1318.5	1329.4	1340.3	1324.0
30°	1133.6	1166.1	1205.2	1243.3	1280.5	1306.3	1298.0	1289.7	1298.0	1306.3	1280.5
32.5°	1067.5	1101.5	1142.1	1185.6	1232.1	1266.1	1262.9	1259.7	1262.9	1266.1	1232.1
35°	970.7	1004.5	1045.6	1095.2	1153.6	1198.8	1204.6	1210.3	1204.6	1198.8	1153.6
37.5°	873.4	909.0	952.0	1004.6	1066.7	1117.7	1134.9	1152.0	1134.9	1117.7	1066.7
40°	808.8	844.4	887.3	941.2	1006.0	1060.6	1085.0	1109.3	1085.0	1060.6	1006.0
42.5°	747.5	783.2	826.2	880.0	944.8	1001.0	1031.5	1062.0	1031.5	1001.0	944.8
45°	657.3	692.0	733.6	787.5	853.5	912.0	947.9	983.8	947.9	912.0	853.5
47.5°	573.6	606.8	647.1	700.3	766.2	824.5	860.2	895.8	860.2	824.5	766.2
50°	518.7	552.5	592.9	644.5	707.3	763.1	797.7	832.4	797.7	763.1	707.3
52.5°	462.0	497.9	539.3	590.7	652.0	705.7	736.7	767.7	736.7	705.7	652.0
55°	376.7	414.0	460.2	512.1	569.8	620.5	650.0	679.5	650.0	620.5	569.8
57.5°	317.1	350.8	392.8	439.8	492.0	537.5	563.1	588.6	563.1	537.5	492.0
60°	284.8	313.5	348.8	391.7	442.4	486.0	508.4	530.9	508.4	486.0	442.4
62.5°	255.2	278.1	306.2	344.8	393.9	435.7	455.6	475.5	455.6	435.7	393.9
65°	213.3	232.3	255.3	287.4	328.4	362.9	377.6	392.4	377.6	362.9	328.4
67.5°	175.2	191.5	211.7	237.7	269.4	295.2	303.4	311.6	303.4	295.2	269.4
70°	153.6	166.9	183.5	205.6	233.2	254.5	257.1	259.7	257.1	254.5	233.2
72.5°	133.0	143.4	156.5	175.0	199.0	216.7	215.7	214.7	215.7	216.7	199.0
75°	105.0	112.0	121.0	134.2	151.5	163.2	158.0	152.9	158.0	163.2	151.5
77.5°	77.6	82.9	89.6	99.2	111.9	119.5	111.8	104.2	111.8	119.5	111.9
80°	60.6	64.4	69.6	76.9	86.6	91.8	84.2	76.5	84.2	91.8	86.6
82.5°	45.6	47.5	50.1	54.9	61.9	65.7	59.5	53.4	59.5	65.7	61.9
85°	18.6	21.6	25.5	28.7	31.3	32.4	29.2	26.0	29.2	32.4	31.3
87.5°	10.6	10.6	11.1	12.3	13.9	14.1	10.8	7.9	10.8	13.7	14.6
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: P1428453

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-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: P1428453

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1514.1	1511.5	1512.0	1512.8	1514.3	1515.9	1514.3	1512.8	1512.0	1511.5	1514.1
5°	1513.3	1510.7	1511.3	1513.3	1519.0	1524.8	1519.0	1513.3	1511.3	1510.7	1513.3
7.5°	1508.5	1507.4	1509.6	1512.7	1518.3	1523.9	1518.3	1512.7	1509.6	1507.4	1508.5
10°	1503.7	1503.3	1506.5	1510.2	1515.4	1520.5	1515.4	1510.2	1506.5	1503.3	1503.7
12.5°	1497.4	1497.8	1501.5	1505.6	1510.7	1515.9	1510.7	1505.6	1501.5	1497.8	1497.4
15°	1483.3	1485.2	1489.7	1493.9	1497.1	1500.3	1497.1	1493.9	1489.7	1485.2	1483.3
17.5°	1460.1	1460.2	1461.3	1462.6	1464.1	1465.7	1464.1	1462.6	1461.3	1460.2	1460.1
20°	1442.1	1438.9	1434.4	1431.0	1431.0	1431.0	1431.0	1431.0	1434.4	1438.9	1442.1
22.5°	1416.8	1408.5	1396.3	1386.2	1382.1	1378.0	1382.1	1386.2	1396.3	1408.5	1416.8
25°	1366.8	1347.9	1322.8	1301.7	1292.1	1282.5	1292.1	1301.7	1322.8	1347.9	1366.8
27.5°	1298.6	1268.2	1232.6	1202.7	1189.3	1176.0	1189.3	1202.7	1232.6	1268.2	1298.6
30°	1243.3	1205.2	1166.1	1133.6	1120.7	1107.9	1120.7	1133.6	1166.1	1205.2	1243.3
32.5°	1185.6	1142.1	1101.5	1067.5	1053.7	1039.8	1053.7	1067.5	1101.5	1142.1	1185.6
35°	1095.2	1045.6	1004.5	970.7	958.5	946.3	958.5	970.7	1004.5	1045.6	1095.2
37.5°	1004.6	952.0	909.0	873.4	860.0	846.5	860.0	873.4	909.0	952.0	1004.6
40°	941.2	887.3	844.4	808.8	795.3	781.9	795.3	808.8	844.4	887.3	941.2
42.5°	880.0	826.2	783.2	747.5	733.5	719.6	733.5	747.5	783.2	826.2	880.0
45°	787.5	733.6	692.0	657.3	643.9	630.4	643.9	657.3	692.0	733.6	787.5
47.5°	700.3	647.1	606.8	573.6	562.0	550.5	562.0	573.6	606.8	647.1	700.3
50°	644.5	592.9	552.5	518.7	504.6	490.5	504.6	518.7	552.5	592.9	644.5
52.5°	590.7	539.3	497.9	462.0	442.8	423.5	442.8	462.0	497.9	539.3	590.7
55°	512.1	460.2	414.0	376.7	365.8	354.9	365.8	376.7	414.0	460.2	512.1
57.5°	439.8	392.8	350.8	317.1	308.2	299.2	308.2	317.1	350.8	392.8	439.8
60°	391.7	348.8	313.5	284.8	275.9	266.9	275.9	284.8	313.5	348.8	391.7
62.5°	344.8	306.2	278.1	255.2	247.8	240.3	247.8	255.2	278.1	306.2	344.8
65°	287.4	255.3	232.3	213.3	206.9	200.5	206.9	213.3	232.3	255.3	287.4
67.5°	237.7	211.7	191.5	175.2	171.0	166.8	171.0	175.2	191.5	211.7	237.7
70°	205.6	183.5	166.9	153.6	150.3	147.1	150.3	153.6	166.9	183.5	205.6
72.5°	175.0	156.5	143.4	133.0	130.9	128.7	130.9	133.0	143.4	156.5	175.0
75°	134.2	121.0	112.0	105.0	103.7	102.4	103.7	105.0	112.0	121.0	134.2
77.5°	99.2	89.6	82.9	77.6	76.6	75.6	76.6	77.6	82.9	89.6	99.2
80°	76.9	69.6	64.4	60.6	60.6	60.6	60.6	60.6	64.4	69.6	76.9
82.5°	54.9	50.1	47.5	45.6	45.6	45.6	45.6	45.6	47.5	50.1	54.9
85°	28.7	25.5	21.6	18.6	18.0	17.3	18.0	18.6	21.6	25.5	28.7
87.5°	13.7	14.5	16.4	17.4	18.7	18.0	18.7	17.4	16.4	14.5	13.7
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: P1428453

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-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: P1428453

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1514.7	1514.7	1514.7	1514.7
2.5°	1519.7	1521.8	1513.0	1504.3
5°	1519.0	1520.6	1509.7	1498.8
7.5°	1512.9	1513.4	1502.4	1491.3
10°	1507.5	1507.5	1496.0	1484.4
12.5°	1500.2	1499.3	1487.2	1475.2
15°	1483.9	1481.2	1468.4	1455.6
17.5°	1461.0	1458.4	1445.6	1432.8
20°	1444.0	1442.3	1429.4	1416.6
22.5°	1421.3	1421.2	1407.4	1393.5
25°	1379.6	1385.8	1372.4	1358.9
27.5°	1324.0	1340.3	1329.4	1318.5
30°	1280.5	1306.3	1298.0	1289.7
32.5°	1232.1	1266.1	1262.9	1259.7
35°	1153.6	1198.8	1204.6	1210.3
37.5°	1066.7	1117.7	1134.9	1152.0
40°	1006.0	1060.6	1085.0	1109.3
42.5°	944.8	1001.0	1031.5	1062.0
45°	853.5	912.0	947.9	983.8
47.5°	766.2	824.5	860.2	895.8
50°	707.3	763.1	797.7	832.4
52.5°	652.0	705.7	736.7	767.7
55°	569.8	620.5	650.0	679.5
57.5°	492.0	537.5	563.1	588.6
60°	442.4	486.0	508.4	530.9
62.5°	393.9	435.7	455.6	475.5
65°	328.4	362.9	377.6	392.4
67.5°	269.4	295.2	303.4	311.6
70°	233.2	254.5	257.1	259.7
72.5°	199.0	216.7	215.7	214.7
75°	151.5	163.2	158.0	152.9
77.5°	111.9	119.5	111.8	104.2
80°	86.6	91.8	84.2	76.5
82.5°	61.9	65.7	59.5	53.4
85°	31.3	32.4	29.2	26.0
87.5°	14.6	13.7	10.8	7.9
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



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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: P1428453
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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	17.09	17.84	18.13	18.88	20.28	13.33	14.09	14.37	15.13	16.53
	3H	18.38	19.05	19.43	20.10	21.52	14.60	15.27	15.64	16.32	17.74
	4H	18.78	19.42	19.84	20.47	21.90	15.10	15.73	16.16	16.79	18.21
	6H	18.96	19.54	20.03	20.60	22.04	15.40	15.99	16.47	17.04	18.48
	8H	19.00	19.56	20.07	20.63	22.06	15.51	16.07	16.59	17.14	18.57
	12H	18.99	19.53	20.07	20.59	22.05	15.54	16.07	16.62	17.13	18.59
4H	2H	17.20	17.84	18.27	18.89	20.32	14.13	14.77	15.20	15.82	17.25
	3H	18.73	19.26	19.81	20.34	21.78	15.57	16.10	16.64	17.18	18.62
	4H	19.28	19.76	20.36	20.83	22.29	16.14	16.63	17.22	17.70	19.16
	6H	19.58	20.00	20.67	21.09	22.55	16.52	16.94	17.61	18.03	19.49
	8H	19.67	20.06	20.76	21.15	22.62	16.67	17.06	17.76	18.14	19.61
	12H	19.69	20.04	20.79	21.14	22.61	16.71	17.06	17.81	18.16	19.63
8H	4H	19.31	19.70	20.40	20.78	22.25	16.48	16.87	17.57	17.95	19.42
	6H	19.72	20.05	20.84	21.17	22.64	16.97	17.29	18.08	18.42	19.88
	8H	19.90	20.18	21.01	21.29	22.77	17.18	17.47	18.30	18.58	20.06
	12H	19.97	20.22	21.09	21.32	22.85	17.26	17.51	18.39	18.62	20.14
12H	4H	19.26	19.61	20.37	20.71	22.19	16.49	16.84	17.60	17.94	19.42
	6H	19.72	20.00	20.84	21.11	22.60	17.04	17.32	18.16	18.43	19.92
	8H	19.90	20.15	21.02	21.26	22.78	17.28	17.53	18.40	18.63	20.16