

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: P1428051

Luminaire Tested: SQ2W-PP3-K-050U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428051
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

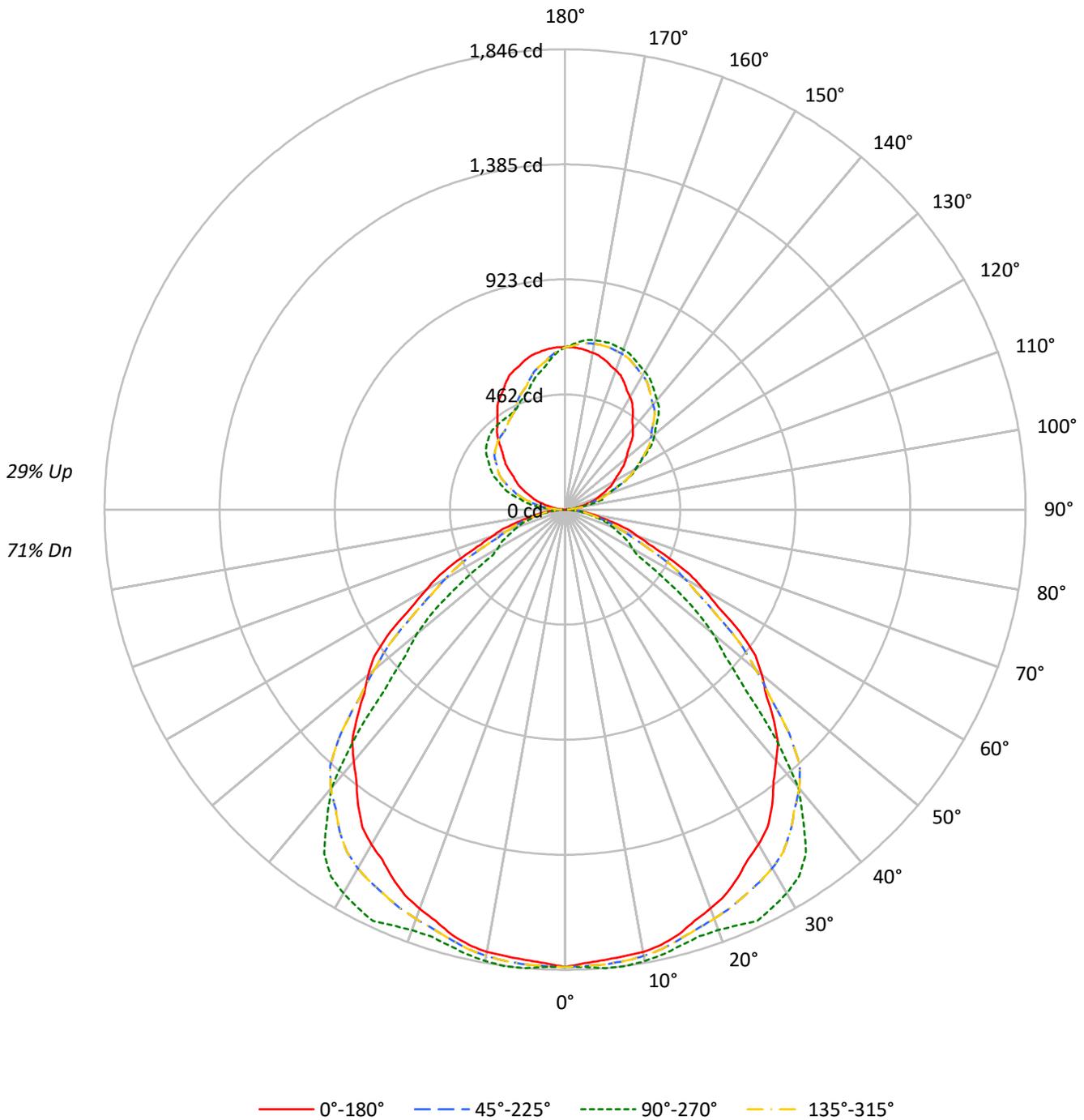
Lumens per Lamp: N/A
Luminaire Lumens: 6524.3 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	29624	29624	29624	29624
5°	29392	29927	29392	29927
10°	29541	30145	29541	30145
15°	29470	30216	29470	30216
20°	29259	30826	29259	30826
25°	29093	32446	29093	32446
30°	28929	33122	28929	33122
35°	28519	33182	28519	33182
40°	27758	30660	27758	30660
45°	26927	23340	26927	23340
50°	25869	19439	25869	19439
55°	24076	13976	24076	13976
60°	20731	10020	20731	10020
65°	17486	9857	17486	9857
70°	14558	9432	14558	9432
75°	12339	8833	12339	8833
80°	10460	7931	10460	7931
85°	8262	4316	8262	4316

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 29455 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.7	2.7
10°-20°	505.6	7.8
20°-30°	792.2	12.1
30°-40°	977.2	15.0
40°-50°	920.0	14.1
50°-60°	651.4	10.0
60°-70°	371.2	5.7
70°-80°	183.7	2.8
80°-90°	47.6	0.7
90°-100°	51.8	0.8
100°-110°	151.1	2.3
110°-120°	246.5	3.8
120°-130°	312.9	4.8
130°-140°	334.8	5.1
140°-150°	312.6	4.8
150°-160°	257.2	3.9
160°-170°	172.5	2.6
170°-180°	61.3	0.9
0°-30°	1472.5	22.6
0°-40°	2449.7	37.5
0°-60°	4021.1	61.6
0°-90°	4623.7	70.9
90°-120°	449.4	6.9
90°-150°	1409.7	21.6
90°-180°	1901.0	29.1
0°-180°	6524.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1835	1835	1835	1835	1835	
5°	1814	1846	1814	1846	1814	173
15°	1763	1808	1763	1808	1763	497
25°	1633	1821	1633	1821	1633	752
35°	1447	1684	1447	1684	1447	902
45°	1179	1022	1179	1022	1179	908
55°	855	496	855	496	855	755
65°	458	258	458	258	458	460
75°	198	142	198	142	198	214
85°	45	23	45	23	45	52
90°	2	14	2	28	2	4
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8
2.5°	1820.9	1832.6	1844.3	1841.6	1834.0	1830.9	1832.2	1833.6	1835.0	1836.4	1835.0
5°	1813.5	1828.1	1842.8	1840.6	1832.9	1829.9	1831.6	1834.4	1840.4	1846.5	1840.4
7.5°	1806.5	1821.5	1836.5	1834.6	1827.0	1824.7	1827.6	1831.6	1839.1	1846.5	1839.1
10°	1801.9	1814.8	1827.7	1825.8	1818.9	1817.6	1821.9	1826.6	1832.7	1838.7	1832.7
12.5°	1787.9	1800.1	1812.4	1810.8	1804.6	1804.3	1810.0	1815.6	1820.9	1826.3	1820.9
15°	1763.1	1774.3	1785.5	1785.7	1782.2	1784.4	1792.2	1799.1	1803.4	1807.7	1803.4
17.5°	1729.3	1742.9	1756.6	1759.7	1759.4	1764.7	1775.7	1785.1	1789.6	1794.1	1789.6
20°	1702.9	1719.3	1735.7	1741.1	1742.8	1750.6	1764.4	1776.9	1785.5	1794.1	1785.5
22.5°	1675.0	1694.1	1713.3	1720.4	1723.5	1735.4	1756.1	1775.3	1790.1	1805.0	1790.1
25°	1633.1	1652.1	1671.0	1684.8	1696.9	1718.0	1748.2	1776.4	1798.8	1821.3	1798.8
27.5°	1584.2	1603.0	1621.8	1645.5	1670.9	1700.5	1734.5	1764.4	1782.2	1799.9	1782.2
30°	1551.7	1569.8	1587.9	1615.0	1645.2	1677.9	1713.3	1743.9	1760.3	1776.6	1760.3
32.5°	1511.3	1530.1	1548.9	1577.8	1610.0	1645.2	1683.3	1715.6	1730.6	1745.6	1730.6
35°	1446.9	1465.0	1483.1	1516.7	1555.5	1594.8	1634.4	1666.3	1674.9	1683.5	1674.9
37.5°	1372.8	1393.3	1413.9	1451.6	1495.0	1527.9	1550.1	1566.9	1567.4	1567.9	1567.4
40°	1317.0	1343.7	1370.4	1408.1	1449.5	1472.3	1476.7	1477.1	1465.9	1454.7	1465.9
42.5°	1262.7	1297.0	1331.3	1361.6	1390.5	1396.5	1379.4	1354.2	1304.3	1254.5	1304.3
45°	1179.3	1219.8	1260.3	1278.8	1290.0	1252.1	1165.0	1091.1	1056.6	1022.2	1056.6
47.5°	1090.4	1130.4	1170.4	1165.3	1145.1	1087.7	993.1	916.1	892.3	868.5	892.3
50°	1029.9	1067.8	1105.8	1078.4	1029.3	964.6	884.4	818.7	796.3	773.9	796.3
52.5°	961.6	995.4	1029.2	987.9	921.5	853.4	783.6	722.7	688.5	654.4	688.5
55°	855.3	878.6	901.9	856.6	788.5	713.5	631.7	562.0	529.3	496.5	529.3
57.5°	727.3	743.7	760.1	724.5	671.6	597.0	500.8	419.5	382.7	346.0	382.7
60°	642.0	654.9	667.9	635.5	588.1	517.0	422.2	346.5	328.4	310.3	328.4
62.5°	564.4	576.0	587.5	553.8	505.0	441.5	363.2	302.9	296.5	290.2	296.5
65°	457.7	468.9	480.1	444.8	393.9	344.4	296.1	259.7	258.8	258.0	258.8
67.5°	364.3	376.5	388.7	355.5	307.0	270.4	245.5	226.7	225.6	224.6	225.6
70°	308.4	321.3	334.3	303.2	257.5	227.8	214.0	203.2	201.5	199.8	201.5
72.5°	261.8	274.1	286.3	259.3	219.1	194.5	185.6	178.6	177.5	176.5	177.5
75°	197.8	207.3	216.8	197.2	167.9	151.1	146.8	143.3	142.5	141.6	142.5
77.5°	143.5	149.6	155.6	142.8	123.6	112.9	110.7	108.8	107.9	107.1	107.9
80°	112.5	115.1	117.7	108.6	95.7	88.8	87.9	87.1	86.2	85.3	86.2
82.5°	84.6	83.7	82.8	77.6	70.9	67.1	66.2	65.2	63.6	62.1	63.6
85°	44.6	42.9	41.2	39.4	37.7	35.1	31.7	28.4	25.9	23.3	25.9
87.5°	14.4	14.9	15.5	13.5	10.4	8.5	7.8	7.4	7.5	7.5	7.5
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8
2.5°	1833.6	1832.2	1830.9	1834.0	1841.6	1844.3	1832.6	1820.9	1832.6	1844.3	1841.6
5°	1834.4	1831.6	1829.9	1832.9	1840.6	1842.8	1828.1	1813.5	1828.1	1842.8	1840.6
7.5°	1831.6	1827.6	1824.7	1827.0	1834.6	1836.5	1821.5	1806.5	1821.5	1836.5	1834.6
10°	1826.6	1821.9	1817.6	1818.9	1825.8	1827.7	1814.8	1801.9	1814.8	1827.7	1825.8
12.5°	1815.6	1810.0	1804.3	1804.6	1810.8	1812.4	1800.1	1787.9	1800.1	1812.4	1810.8
15°	1799.1	1792.2	1784.4	1782.2	1785.7	1785.5	1774.3	1763.1	1774.3	1785.5	1785.7
17.5°	1785.1	1775.7	1764.7	1759.4	1759.7	1756.6	1742.9	1729.3	1742.9	1756.6	1759.7
20°	1776.9	1764.4	1750.6	1742.8	1741.1	1735.7	1719.3	1702.9	1719.3	1735.7	1741.1
22.5°	1775.3	1756.1	1735.4	1723.5	1720.4	1713.3	1694.1	1675.0	1694.1	1713.3	1720.4
25°	1776.4	1748.2	1718.0	1696.9	1684.8	1671.0	1652.1	1633.1	1652.1	1671.0	1684.8
27.5°	1764.4	1734.5	1700.5	1670.9	1645.5	1621.8	1603.0	1584.2	1603.0	1621.8	1645.5
30°	1743.9	1713.3	1677.9	1645.2	1615.0	1587.9	1569.8	1551.7	1569.8	1587.9	1615.0
32.5°	1715.6	1683.3	1645.2	1610.0	1577.8	1548.9	1530.1	1511.3	1530.1	1548.9	1577.8
35°	1666.3	1634.4	1594.8	1555.5	1516.7	1483.1	1465.0	1446.9	1465.0	1483.1	1516.7
37.5°	1566.9	1550.1	1527.9	1495.0	1451.6	1413.9	1393.3	1372.8	1393.3	1413.9	1451.6
40°	1477.1	1476.7	1472.3	1449.5	1408.1	1370.4	1343.7	1317.0	1343.7	1370.4	1408.1
42.5°	1354.2	1379.4	1396.5	1390.5	1361.6	1331.3	1297.0	1262.7	1297.0	1331.3	1361.6
45°	1091.1	1165.0	1252.1	1290.0	1278.8	1260.3	1219.8	1179.3	1219.8	1260.3	1278.8
47.5°	916.1	993.1	1087.7	1145.1	1165.3	1170.4	1130.4	1090.4	1130.4	1170.4	1165.3
50°	818.7	884.4	964.6	1029.3	1078.4	1105.8	1067.8	1029.9	1067.8	1105.8	1078.4
52.5°	722.7	783.6	853.4	921.5	987.9	1029.2	995.4	961.6	995.4	1029.2	987.9
55°	562.0	631.7	713.5	788.5	856.6	901.9	878.6	855.3	878.6	901.9	856.6
57.5°	419.5	500.8	597.0	671.6	724.5	760.1	743.7	727.3	743.7	760.1	724.5
60°	346.5	422.2	517.0	588.1	635.5	667.9	654.9	642.0	654.9	667.9	635.5
62.5°	302.9	363.2	441.5	505.0	553.8	587.5	576.0	564.4	576.0	587.5	553.8
65°	259.7	296.1	344.4	393.9	444.8	480.1	468.9	457.7	468.9	480.1	444.8
67.5°	226.7	245.5	270.4	307.0	355.5	388.7	376.5	364.3	376.5	388.7	355.5
70°	203.2	214.0	227.8	257.5	303.2	334.3	321.3	308.4	321.3	334.3	303.2
72.5°	178.6	185.6	194.5	219.1	259.3	286.3	274.1	261.8	274.1	286.3	259.3
75°	143.3	146.8	151.1	167.9	197.2	216.8	207.3	197.8	207.3	216.8	197.2
77.5°	108.8	110.7	112.9	123.6	142.8	155.6	149.6	143.5	149.6	155.6	142.8
80°	87.1	87.9	88.8	95.7	108.6	117.7	115.1	112.5	115.1	117.7	108.6
82.5°	65.2	66.2	67.1	70.9	77.6	82.8	83.7	84.6	83.7	82.8	77.6
85°	28.4	31.7	35.1	37.7	39.4	41.2	42.9	44.6	42.9	41.2	39.4
87.5°	7.4	7.8	8.5	10.4	13.5	15.5	14.9	14.4	14.9	15.4	13.7
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1428051

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9

TEST NUMBER: P1428051

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8
2.5°	1834.0	1830.9	1832.2	1833.6	1835.0	1836.4	1835.0	1833.6	1832.2	1830.9	1834.0
5°	1832.9	1829.9	1831.6	1834.4	1840.4	1846.5	1840.4	1834.4	1831.6	1829.9	1832.9
7.5°	1827.0	1824.7	1827.6	1831.6	1839.1	1846.5	1839.1	1831.6	1827.6	1824.7	1827.0
10°	1818.9	1817.6	1821.9	1826.6	1832.7	1838.7	1832.7	1826.6	1821.9	1817.6	1818.9
12.5°	1804.6	1804.3	1810.0	1815.6	1820.9	1826.3	1820.9	1815.6	1810.0	1804.3	1804.6
15°	1782.2	1784.4	1792.2	1799.1	1803.4	1807.7	1803.4	1799.1	1792.2	1784.4	1782.2
17.5°	1759.4	1764.7	1775.7	1785.1	1789.6	1794.1	1789.6	1785.1	1775.7	1764.7	1759.4
20°	1742.8	1750.6	1764.4	1776.9	1785.5	1794.1	1785.5	1776.9	1764.4	1750.6	1742.8
22.5°	1723.5	1735.4	1756.1	1775.3	1790.1	1805.0	1790.1	1775.3	1756.1	1735.4	1723.5
25°	1696.9	1718.0	1748.2	1776.4	1798.8	1821.3	1798.8	1776.4	1748.2	1718.0	1696.9
27.5°	1670.9	1700.5	1734.5	1764.4	1782.2	1799.9	1782.2	1764.4	1734.5	1700.5	1670.9
30°	1645.2	1677.9	1713.3	1743.9	1760.3	1776.6	1760.3	1743.9	1713.3	1677.9	1645.2
32.5°	1610.0	1645.2	1683.3	1715.6	1730.6	1745.6	1730.6	1715.6	1683.3	1645.2	1610.0
35°	1555.5	1594.8	1634.4	1666.3	1674.9	1683.5	1674.9	1666.3	1634.4	1594.8	1555.5
37.5°	1495.0	1527.9	1550.1	1566.9	1567.4	1567.9	1567.4	1566.9	1550.1	1527.9	1495.0
40°	1449.5	1472.3	1476.7	1477.1	1465.9	1454.7	1465.9	1477.1	1476.7	1472.3	1449.5
42.5°	1390.5	1396.5	1379.4	1354.2	1304.3	1254.5	1304.3	1354.2	1379.4	1396.5	1390.5
45°	1290.0	1252.1	1165.0	1091.1	1056.6	1022.2	1056.6	1091.1	1165.0	1252.1	1290.0
47.5°	1145.1	1087.7	993.1	916.1	892.3	868.5	892.3	916.1	993.1	1087.7	1145.1
50°	1029.3	964.6	884.4	818.7	796.3	773.9	796.3	818.7	884.4	964.6	1029.3
52.5°	921.5	853.4	783.6	722.7	688.5	654.4	688.5	722.7	783.6	853.4	921.5
55°	788.5	713.5	631.7	562.0	529.3	496.5	529.3	562.0	631.7	713.5	788.5
57.5°	671.6	597.0	500.8	419.5	382.7	346.0	382.7	419.5	500.8	597.0	671.6
60°	588.1	517.0	422.2	346.5	328.4	310.3	328.4	346.5	422.2	517.0	588.1
62.5°	505.0	441.5	363.2	302.9	296.5	290.2	296.5	302.9	363.2	441.5	505.0
65°	393.9	344.4	296.1	259.7	258.8	258.0	258.8	259.7	296.1	344.4	393.9
67.5°	307.0	270.4	245.5	226.7	225.6	224.6	225.6	226.7	245.5	270.4	307.0
70°	257.5	227.8	214.0	203.2	201.5	199.8	201.5	203.2	214.0	227.8	257.5
72.5°	219.1	194.5	185.6	178.6	177.5	176.5	177.5	178.6	185.6	194.5	219.1
75°	167.9	151.1	146.8	143.3	142.5	141.6	142.5	143.3	146.8	151.1	167.9
77.5°	123.6	112.9	110.7	108.8	107.9	107.1	107.9	108.8	110.7	112.9	123.6
80°	95.7	88.8	87.9	87.1	86.2	85.3	86.2	87.1	87.9	88.8	95.7
82.5°	70.9	67.1	66.2	65.2	63.6	62.1	63.6	65.2	66.2	67.1	70.9
85°	37.7	35.1	31.7	28.4	25.9	23.3	25.9	28.4	31.7	35.1	37.7
87.5°	11.0	9.8	10.0	10.0	10.6	10.3	10.6	10.0	10.0	9.8	11.0
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1428051

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	417.5	401.1	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428051

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1834.8	1834.8	1834.8	1834.8
2.5°	1841.6	1844.3	1832.6	1820.9
5°	1840.6	1842.8	1828.1	1813.5
7.5°	1834.6	1836.5	1821.5	1806.5
10°	1825.8	1827.7	1814.8	1801.9
12.5°	1810.8	1812.4	1800.1	1787.9
15°	1785.7	1785.5	1774.3	1763.1
17.5°	1759.7	1756.6	1742.9	1729.3
20°	1741.1	1735.7	1719.3	1702.9
22.5°	1720.4	1713.3	1694.1	1675.0
25°	1684.8	1671.0	1652.1	1633.1
27.5°	1645.5	1621.8	1603.0	1584.2
30°	1615.0	1587.9	1569.8	1551.7
32.5°	1577.8	1548.9	1530.1	1511.3
35°	1516.7	1483.1	1465.0	1446.9
37.5°	1451.6	1413.9	1393.3	1372.8
40°	1408.1	1370.4	1343.7	1317.0
42.5°	1361.6	1331.3	1297.0	1262.7
45°	1278.8	1260.3	1219.8	1179.3
47.5°	1165.3	1170.4	1130.4	1090.4
50°	1078.4	1105.8	1067.8	1029.9
52.5°	987.9	1029.2	995.4	961.6
55°	856.6	901.9	878.6	855.3
57.5°	724.5	760.1	743.7	727.3
60°	635.5	667.9	654.9	642.0
62.5°	553.8	587.5	576.0	564.4
65°	444.8	480.1	468.9	457.7
67.5°	355.5	388.7	376.5	364.3
70°	303.2	334.3	321.3	308.4
72.5°	259.3	286.3	274.1	261.8
75°	197.2	216.8	207.3	197.8
77.5°	142.8	155.6	149.6	143.5
80°	108.6	117.7	115.1	112.5
82.5°	77.6	82.8	83.7	84.6
85°	39.4	41.2	42.9	44.6
87.5°	13.7	15.4	14.9	14.4
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1



TEST NUMBER: P1428051

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1428051
 CATALOG NUMBER: SQ2W-PP3-K-050U-100D-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	20.99	22.02	21.75	22.80	23.74	16.76	17.79	17.52	18.57	19.51
	3H	22.06	22.99	22.84	23.78	24.75	18.08	19.01	18.86	19.80	20.77
	4H	22.44	23.31	23.23	24.11	25.09	18.65	19.52	19.44	20.32	21.30
	6H	22.64	23.44	23.45	24.25	25.25	19.02	19.82	19.83	20.63	21.63
	8H	22.71	23.47	23.52	24.30	25.29	19.15	19.92	19.97	20.74	21.74
	12H	22.74	23.46	23.56	24.28	25.30	19.20	19.92	20.02	20.74	21.76
4H	2H	21.13	22.00	21.93	22.80	23.78	17.69	18.56	18.49	19.36	20.34
	3H	22.44	23.16	23.25	23.99	24.99	19.13	19.85	19.94	20.68	21.68
	4H	22.95	23.61	23.78	24.44	25.47	19.76	20.41	20.58	21.24	22.27
	6H	23.28	23.84	24.12	24.70	25.73	20.21	20.78	21.05	21.63	22.67
	8H	23.39	23.92	24.24	24.77	25.81	20.39	20.91	21.23	21.76	22.81
	12H	23.44	23.92	24.31	24.79	25.84	20.44	20.92	21.31	21.79	22.84
8H	4H	22.99	23.51	23.83	24.36	25.41	20.08	20.61	20.92	21.46	22.50
	6H	23.40	23.84	24.28	24.73	25.78	20.65	21.08	21.52	21.97	23.02
	8H	23.59	23.97	24.47	24.86	25.92	20.89	21.28	21.78	22.17	23.23
	12H	23.69	24.03	24.57	24.91	26.03	21.00	21.34	21.88	22.22	23.34
12H	4H	22.95	23.43	23.82	24.30	25.35	20.10	20.57	20.96	21.44	22.49
	6H	23.40	23.78	24.28	24.67	25.73	20.71	21.10	21.59	21.99	23.05
	8H	23.60	23.94	24.48	24.82	25.94	20.99	21.34	21.88	22.21	23.33