

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: P1428027

Luminaire Tested: SQ2W-PP3-K-025U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428027
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-025U-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 250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

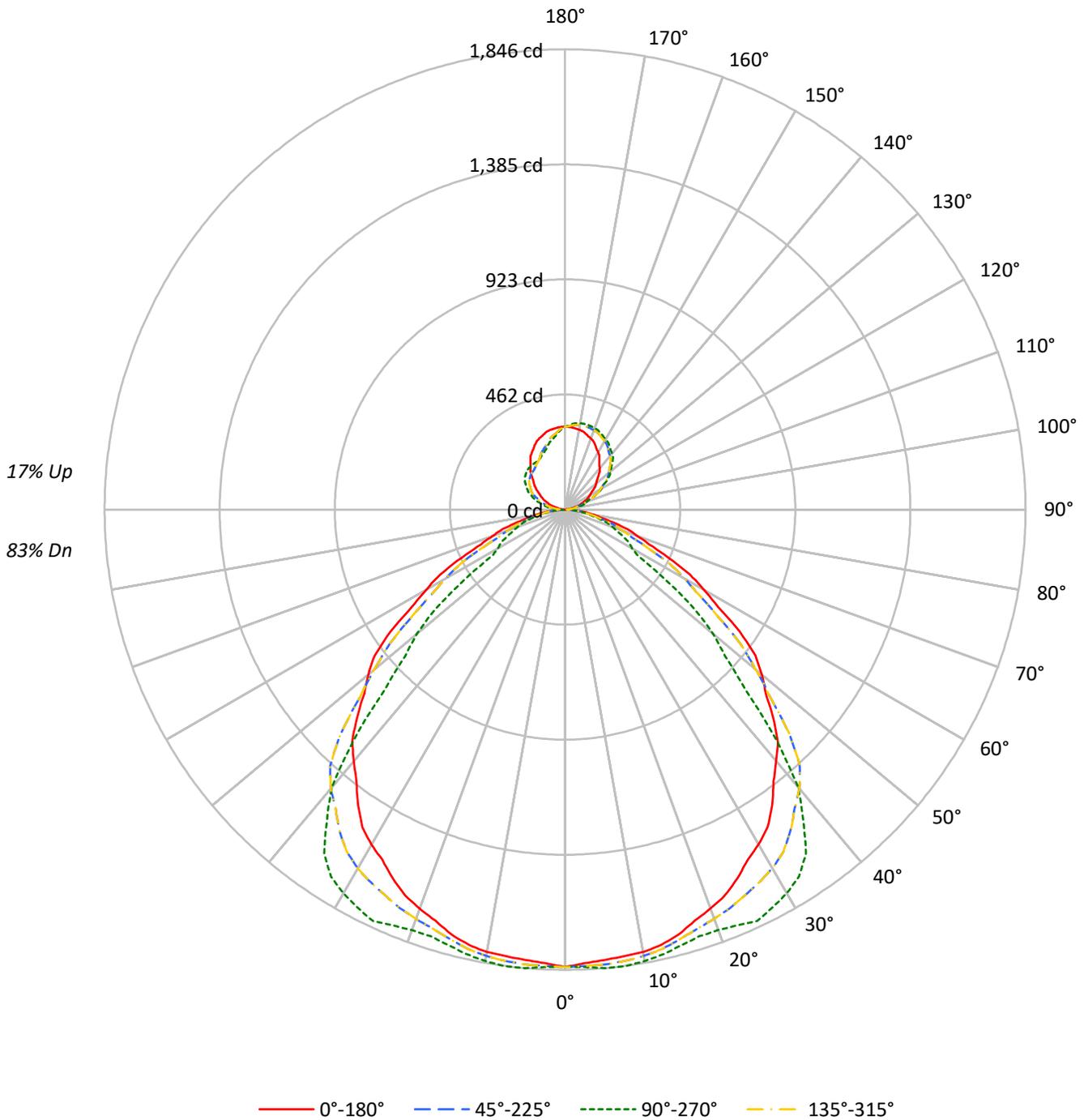
Lumens per Lamp: N/A
Luminaire Lumens: 5590.3 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	83
1	106	102	98	95	102	98	95	92	91	88	86	84	82	80	78	76	75	72
2	97	90	84	79	93	87	81	77	80	76	72	75	71	68	69	67	64	61
3	89	80	72	67	85	77	70	65	72	66	62	67	62	59	62	59	55	53
4	82	71	63	57	79	69	61	56	64	58	53	60	55	51	56	52	48	46
5	76	64	56	50	72	62	54	49	58	51	46	54	49	44	51	46	42	40
6	70	58	49	44	67	56	48	43	52	46	41	49	44	39	46	41	38	35
7	65	52	44	39	62	51	43	38	48	41	36	45	39	35	42	37	34	31
8	60	48	40	34	58	46	39	34	44	37	33	41	36	31	39	34	30	28
9	56	44	36	31	54	43	35	30	40	34	29	38	32	28	36	31	27	25
10	53	40	33	28	51	39	32	28	37	31	27	35	30	26	33	28	25	23

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	3.1
10°-20°	505.6	9.0
20°-30°	792.2	14.2
30°-40°	977.2	17.5
40°-50°	920.0	16.5
50°-60°	651.4	11.7
60°-70°	371.2	6.6
70°-80°	183.7	3.3
80°-90°	46.3	0.8
90°-100°	26.4	0.5
100°-110°	76.9	1.4
110°-120°	125.6	2.2
120°-130°	159.3	2.9
130°-140°	170.5	3.0
140°-150°	159.2	2.8
150°-160°	131.0	2.3
160°-170°	87.9	1.6
170°-180°	31.2	0.6
0°-30°	1472.5	26.3
0°-40°	2449.7	43.8
0°-60°	4021.1	71.9
0°-90°	4622.3	82.7
90°-120°	228.9	4.1
90°-150°	717.9	12.8
90°-180°	968.0	17.3
0°-180°	5590.3	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°	1	7	1	14	1	3
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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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°	14.2	14.4	14.8	12.5	9.2	7.2	6.5	6.1	6.1	6.1	6.1
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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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°	6.1	6.5	7.2	9.2	12.5	14.8	14.4	14.2	14.4	14.7	12.6
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1428027

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428027

CATALOG NUMBER: SQ2W-PP3-K-025U-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°	9.5	7.9	7.7	7.4	7.7	7.5	7.7	7.4	7.7	7.9	9.5
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1428027

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428027

CATALOG NUMBER: SQ2W-PP3-K-025U-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°	12.6	14.7	14.4	14.2
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1428027

CATALOG NUMBER: SQ2W-PP3-K-025U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1428027
 CATALOG NUMBER: SQ2W-PP3-K-025U-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	21.88	23.07	22.50	23.70	24.41	17.65	18.84	18.27	19.47	20.18
	3H	22.96	24.03	23.60	24.67	25.42	18.98	20.05	19.62	20.69	21.44
	4H	23.35	24.35	24.00	25.00	25.77	19.56	20.56	20.21	21.21	21.98
	6H	23.56	24.48	24.23	25.14	25.92	19.94	20.86	20.61	21.52	22.30
	8H	23.63	24.51	24.31	25.19	25.97	20.08	20.95	20.76	21.64	22.42
	12H	23.66	24.50	24.35	25.18	25.98	20.12	20.96	20.81	21.63	22.44
4H	2H	22.04	23.04	22.70	23.69	24.46	18.60	19.60	19.26	20.25	21.02
	3H	23.36	24.19	24.03	24.88	25.67	20.05	20.88	20.72	21.57	22.36
	4H	23.88	24.63	24.57	25.33	26.14	20.69	21.44	21.38	22.13	22.95
	6H	24.22	24.86	24.93	25.58	26.41	21.15	21.80	21.86	22.52	23.34
	8H	24.33	24.94	25.05	25.65	26.49	21.33	21.93	22.04	22.65	23.48
	12H	24.39	24.93	25.12	25.68	26.52	21.39	21.93	22.12	22.68	23.52
8H	4H	23.93	24.53	24.64	25.25	26.08	21.02	21.63	21.73	22.34	23.18
	6H	24.35	24.85	25.09	25.61	26.45	21.59	22.09	22.33	22.85	23.69
	8H	24.53	24.98	25.29	25.74	26.60	21.84	22.29	22.60	23.05	23.90
	12H	24.64	25.04	25.40	25.79	26.70	21.95	22.35	22.71	23.10	24.02
12H	4H	23.90	24.44	24.63	25.18	26.03	21.05	21.59	21.78	22.33	23.17
	6H	24.34	24.79	25.10	25.55	26.41	21.66	22.10	22.41	22.87	23.72
	8H	24.55	24.95	25.31	25.70	26.62	21.95	22.34	22.70	23.09	24.01