

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: P1428074

Luminaire Tested: SQ2W-PP3-K-075U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428074
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-075U-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 750 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

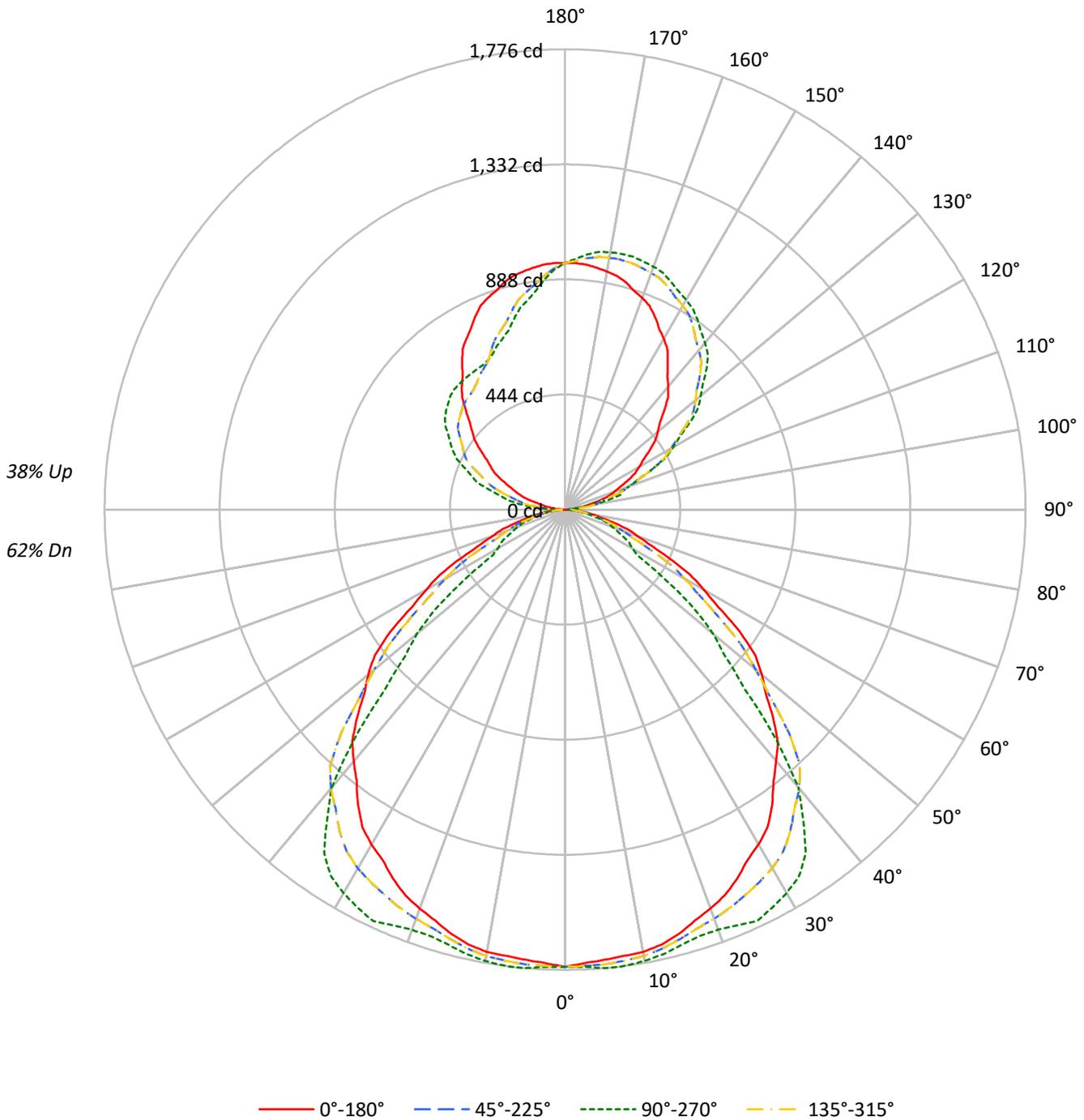
Lumens per Lamp: N/A
Luminaire Lumens: 7225.7 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.2
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

TEST NUMBER: P1428074

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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	95	91	88	85	80	77	75	70	68	66	60	59	58	53
2	93	85	79	74	86	80	75	71	71	67	63	62	59	56	54	51	50	46
3	85	76	68	63	79	71	65	60	63	58	54	55	51	48	48	45	43	39
4	78	67	59	54	73	63	56	51	56	51	46	49	45	42	43	40	37	34
5	72	60	52	46	67	57	50	44	50	45	40	45	40	36	39	36	33	30
6	66	54	46	40	62	51	44	39	46	40	35	40	36	32	36	32	29	26
7	61	49	41	36	57	46	39	34	41	36	31	37	32	29	33	29	26	23
8	57	45	37	32	53	42	35	30	38	32	28	34	29	26	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

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



TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.0	2.3
10°-20°	486.3	6.7
20°-30°	761.9	10.5
30°-40°	939.9	13.0
40°-50°	884.8	12.2
50°-60°	626.6	8.7
60°-70°	357.0	4.9
70°-80°	176.7	2.4
80°-90°	47.1	0.7
90°-100°	75.7	1.0
100°-110°	220.8	3.1
110°-120°	360.3	5.0
120°-130°	457.2	6.3
130°-140°	489.2	6.8
140°-150°	456.8	6.3
150°-160°	375.9	5.2
160°-170°	252.1	3.5
170°-180°	89.5	1.2
0°-30°	1416.3	19.6
0°-40°	2356.1	32.6
0°-60°	3867.5	53.5
0°-90°	4448.4	61.6
90°-120°	656.7	9.1
90°-150°	2059.9	28.5
90°-180°	2777.0	38.4
0°-180°	7225.7	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°	3	21	3	41	3	4
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L930-UNV-STD-W-WM-4

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°	14.0	14.8	15.7	14.0	11.3	9.5	8.8	8.5	8.7	8.7	8.7
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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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°	8.5	8.8	9.5	11.3	14.0	15.7	14.8	14.0	14.8	15.5	14.4
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-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°	12.0	11.4	12.1	12.4	13.1	12.7	13.1	12.4	12.1	11.4	12.0
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	490.0	467.0	438.1	
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-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°	14.4	15.5	14.8	14.0
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7

TEST NUMBER: P1428074

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1428074
 CATALOG NUMBER: SQ2W-PP3-K-075U-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	20.11	21.04	20.97	21.92	23.02	15.88	16.81	16.74	17.69	18.79
	3H	21.17	22.01	22.05	22.89	24.02	17.19	18.03	18.07	18.91	20.04
	4H	21.55	22.33	22.43	23.22	24.36	17.75	18.54	18.64	19.43	20.57
	6H	21.74	22.47	22.64	23.37	24.51	18.12	18.85	19.02	19.74	20.89
	8H	21.81	22.50	22.72	23.41	24.56	18.25	18.94	19.16	19.86	21.01
	12H	21.83	22.49	22.74	23.40	24.57	18.29	18.95	19.20	19.85	21.03
4H	2H	20.24	21.02	21.13	21.91	23.05	16.80	17.58	17.69	18.47	19.61
	3H	21.54	22.19	22.44	23.11	24.26	18.23	18.88	19.13	19.80	20.95
	4H	22.05	22.64	22.96	23.56	24.74	18.85	19.44	19.77	20.36	21.54
	6H	22.37	22.88	23.30	23.82	25.00	19.30	19.81	20.23	20.75	21.93
	8H	22.48	22.95	23.41	23.89	25.08	19.47	19.95	20.40	20.88	22.08
	12H	22.53	22.95	23.48	23.91	25.11	19.53	19.95	20.48	20.91	22.11
8H	4H	22.07	22.55	23.00	23.49	24.68	19.17	19.64	20.10	20.58	21.77
	6H	22.49	22.88	23.44	23.86	25.05	19.73	20.12	20.68	21.10	22.29
	8H	22.67	23.02	23.63	23.99	25.19	19.98	20.33	20.94	21.29	22.50
	12H	22.77	23.08	23.74	24.04	25.29	20.08	20.39	21.05	21.35	22.61
12H	4H	22.04	22.46	22.99	23.42	24.61	19.18	19.61	20.13	20.56	21.76
	6H	22.48	22.83	23.45	23.80	25.01	19.79	20.14	20.76	21.11	22.32
	8H	22.68	22.99	23.65	23.95	25.21	20.07	20.38	21.04	21.34	22.60