

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: P1428447

Luminaire Tested: SQ2W-PW1-K-125U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428447
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-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

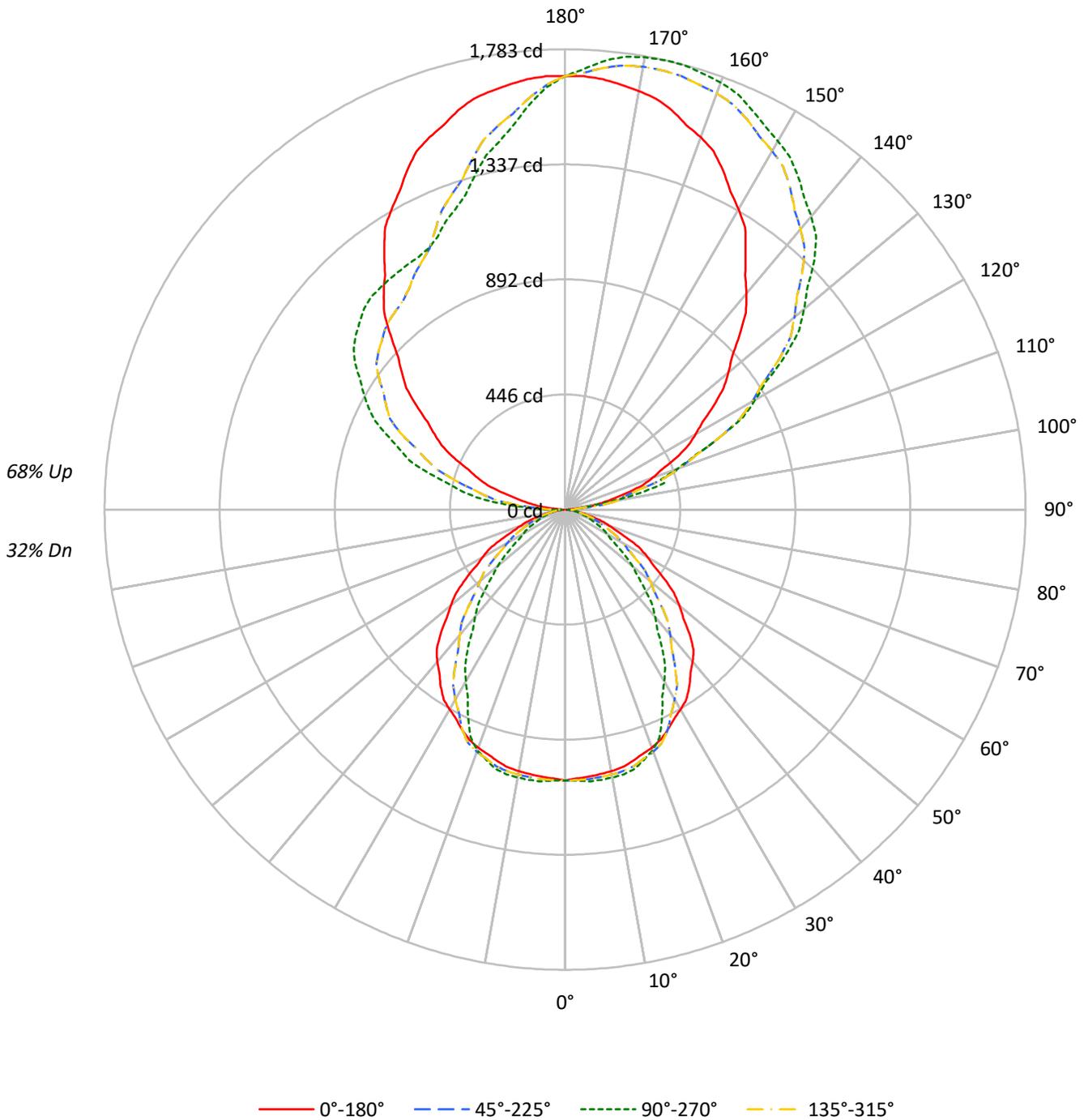
Lumens per Lamp: N/A
Luminaire Lumens: 7238.8 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 61.8
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	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32				32
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34				28	
2	86	79	73	68	77	71	67	62	57	54	51	44	42	40	32	31	29				24	
3	79	70	63	57	71	63	57	53	51	47	43	39	36	34	29	27	25				21	
4	72	62	54	49	65	56	50	45	45	41	37	35	32	29	26	24	22				18	
5	66	55	47	42	59	50	43	39	41	36	32	32	28	26	23	21	20				16	
6	61	49	42	36	55	45	38	33	37	32	28	29	25	23	21	19	17				14	
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	19	17	15				13	
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14				11	
9	49	37	30	25	44	34	27	23	28	23	20	22	19	16	17	14	13				10	
10	45	34	27	22	41	31	25	21	25	21	18	20	17	15	15	13	11				9	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16953	16953	16953	16953
5°	16839	17131	16839	17131
10°	16870	17280	16870	17280
15°	16866	17384	16866	17384
20°	16872	17044	16872	17044
25°	16781	15837	16781	15837
30°	16667	14318	16667	14318
35°	16537	12930	16537	12930
40°	16208	11423	16208	11423
45°	15572	9978	15572	9978
50°	14493	8540	14493	8540
55°	13258	6925	13258	6925
60°	11883	5974	11883	5974
65°	10391	5310	10391	5310
70°	8497	4815	8497	4815
75°	6612	4429	6612	4429
80°	4928	3905	4928	3905
85°	3334	2223	3334	2223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15572 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	1.4
10°-20°	289.7	4.0
20°-30°	426.3	5.9
30°-40°	466.1	6.4
40°-50°	418.2	5.8
50°-60°	311.9	4.3
60°-70°	197.1	2.7
70°-80°	97.7	1.3
80°-90°	29.8	0.4
90°-100°	133.6	1.8
100°-110°	389.6	5.4
110°-120°	635.9	8.8
120°-130°	806.9	11.1
130°-140°	863.4	11.9
140°-150°	806.2	11.1
150°-160°	663.4	9.2
160°-170°	444.9	6.1
170°-180°	158.0	2.2
0°-30°	816.0	11.3
0°-40°	1282.2	17.7
0°-60°	2012.2	27.8
0°-90°	2336.9	32.3
90°-120°	1159.2	16.0
90°-150°	3635.7	50.2
90°-180°	4902.0	67.7
0°-180°	7238.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1050	1050	1050	1050	1050	
5°	1039	1057	1039	1057	1039	99
15°	1009	1040	1009	1040	1009	285
25°	942	889	942	889	942	434
35°	839	656	839	656	839	523
45°	682	437	682	437	682	523
55°	471	246	471	246	471	421
65°	272	139	272	139	272	270
75°	106	71	106	71	106	117
85°	18	12	18	12	18	23
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°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1042.8	1048.9	1054.9	1053.5	1049.6	1047.8	1048.1	1048.7	1049.7	1050.8	1049.7
5°	1039.0	1046.6	1054.1	1053.0	1049.0	1047.2	1047.7	1049.0	1053.0	1057.0	1053.0
7.5°	1033.8	1041.5	1049.1	1048.7	1045.7	1045.0	1046.5	1048.6	1052.5	1056.4	1052.5
10°	1029.0	1037.0	1045.0	1045.0	1042.3	1042.1	1044.3	1046.9	1050.5	1054.0	1050.5
12.5°	1022.6	1031.0	1039.3	1039.9	1038.0	1038.3	1040.9	1043.7	1047.3	1050.8	1047.3
15°	1009.0	1017.9	1026.8	1028.7	1028.2	1029.6	1032.7	1035.6	1037.8	1040.0	1037.8
17.5°	993.2	1002.1	1011.0	1012.7	1012.1	1012.2	1013.0	1013.9	1014.9	1016.0	1014.9
20°	982.0	990.9	999.8	1001.0	999.7	997.5	994.3	992.0	992.0	992.0	992.0
22.5°	966.0	975.6	985.2	985.3	982.2	976.4	967.9	960.9	958.1	955.2	958.1
25°	942.0	951.3	960.7	956.3	947.5	934.3	917.0	902.3	895.7	889.0	895.7
27.5°	914.0	921.6	929.1	917.8	900.2	879.1	854.5	833.7	824.5	815.2	824.5
30°	894.0	899.8	905.6	887.7	861.9	835.5	808.3	785.8	776.9	768.0	776.9
32.5°	873.2	875.4	877.7	854.1	821.9	791.7	763.5	740.0	730.4	720.8	730.4
35°	839.0	835.0	831.0	799.7	759.2	724.8	696.3	672.9	664.5	656.0	664.5
37.5°	798.6	786.7	774.8	739.5	696.4	659.9	630.1	605.5	596.1	586.8	596.1
40°	769.0	752.1	735.2	697.3	652.5	615.1	585.3	560.7	551.3	542.0	551.3
42.5°	736.2	715.1	693.9	654.9	610.1	572.7	542.9	518.2	508.5	498.8	508.5
45°	682.0	657.1	632.2	591.7	545.9	508.6	479.7	455.7	446.3	437.0	446.3
47.5°	621.0	596.3	571.6	531.1	485.4	448.6	420.6	397.6	389.6	381.6	389.6
50°	577.0	553.0	529.0	490.3	446.8	411.0	383.0	359.6	349.8	340.0	349.8
52.5°	532.2	510.7	489.2	451.9	409.4	373.8	345.1	320.3	306.9	293.6	306.9
55°	471.0	450.6	430.1	395.0	355.0	319.0	287.0	261.1	253.6	246.0	253.6
57.5°	408.0	390.3	372.6	341.1	304.9	272.3	243.2	219.8	213.6	207.4	213.6
60°	368.0	352.4	336.9	306.7	271.6	241.8	217.3	197.4	191.2	185.0	191.2
62.5°	329.6	315.8	302.0	273.1	239.0	212.3	192.8	176.9	171.8	166.6	171.8
65°	272.0	261.8	251.6	227.7	199.2	177.0	161.0	147.9	143.4	139.0	143.4
67.5°	216.0	210.3	204.6	186.7	164.8	146.8	132.7	121.5	118.5	115.6	118.5
70°	180.0	178.2	176.4	161.7	142.6	127.2	115.7	106.4	104.2	102.0	104.2
72.5°	148.8	149.5	150.2	137.9	121.3	108.5	99.4	92.2	90.7	89.2	90.7
75°	106.0	109.6	113.1	105.0	93.0	83.9	77.7	72.8	71.9	71.0	71.9
77.5°	72.2	77.5	82.9	77.6	68.8	62.1	57.5	53.8	53.1	52.4	53.1
80°	53.0	58.3	63.7	60.0	53.3	48.2	44.7	42.0	42.0	42.0	42.0
82.5°	37.0	41.3	45.5	42.9	38.0	34.7	32.9	31.6	31.6	31.6	31.6
85°	18.0	20.2	22.4	21.7	19.9	17.7	15.0	12.9	12.4	12.0	12.4
87.5°	5.8	8.2	11.0	11.3	10.5	9.8	9.4	9.5	9.9	9.9	9.9
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°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1048.7	1048.1	1047.8	1049.6	1053.5	1054.9	1048.9	1042.8	1048.9	1054.9	1053.5
5°	1049.0	1047.7	1047.2	1049.0	1053.0	1054.1	1046.6	1039.0	1046.6	1054.1	1053.0
7.5°	1048.6	1046.5	1045.0	1045.7	1048.7	1049.1	1041.5	1033.8	1041.5	1049.1	1048.7
10°	1046.9	1044.3	1042.1	1042.3	1045.0	1045.0	1037.0	1029.0	1037.0	1045.0	1045.0
12.5°	1043.7	1040.9	1038.3	1038.0	1039.9	1039.3	1031.0	1022.6	1031.0	1039.3	1039.9
15°	1035.6	1032.7	1029.6	1028.2	1028.7	1026.8	1017.9	1009.0	1017.9	1026.8	1028.7
17.5°	1013.9	1013.0	1012.2	1012.1	1012.7	1011.0	1002.1	993.2	1002.1	1011.0	1012.7
20°	992.0	994.3	997.5	999.7	1001.0	999.8	990.9	982.0	990.9	999.8	1001.0
22.5°	960.9	967.9	976.4	982.2	985.3	985.2	975.6	966.0	975.6	985.2	985.3
25°	902.3	917.0	934.3	947.5	956.3	960.7	951.3	942.0	951.3	960.7	956.3
27.5°	833.7	854.5	879.1	900.2	917.8	929.1	921.6	914.0	921.6	929.1	917.8
30°	785.8	808.3	835.5	861.9	887.7	905.6	899.8	894.0	899.8	905.6	887.7
32.5°	740.0	763.5	791.7	821.9	854.1	877.7	875.4	873.2	875.4	877.7	854.1
35°	672.9	696.3	724.8	759.2	799.7	831.0	835.0	839.0	835.0	831.0	799.7
37.5°	605.5	630.1	659.9	696.4	739.5	774.8	786.7	798.6	786.7	774.8	739.5
40°	560.7	585.3	615.1	652.5	697.3	735.2	752.1	769.0	752.1	735.2	697.3
42.5°	518.2	542.9	572.7	610.1	654.9	693.9	715.1	736.2	715.1	693.9	654.9
45°	455.7	479.7	508.6	545.9	591.7	632.2	657.1	682.0	657.1	632.2	591.7
47.5°	397.6	420.6	448.6	485.4	531.1	571.6	596.3	621.0	596.3	571.6	531.1
50°	359.6	383.0	411.0	446.8	490.3	529.0	553.0	577.0	553.0	529.0	490.3
52.5°	320.3	345.1	373.8	409.4	451.9	489.2	510.7	532.2	510.7	489.2	451.9
55°	261.1	287.0	319.0	355.0	395.0	430.1	450.6	471.0	450.6	430.1	395.0
57.5°	219.8	243.2	272.3	304.9	341.1	372.6	390.3	408.0	390.3	372.6	341.1
60°	197.4	217.3	241.8	271.6	306.7	336.9	352.4	368.0	352.4	336.9	306.7
62.5°	176.9	192.8	212.3	239.0	273.1	302.0	315.8	329.6	315.8	302.0	273.1
65°	147.9	161.0	177.0	199.2	227.7	251.6	261.8	272.0	261.8	251.6	227.7
67.5°	121.5	132.7	146.8	164.8	186.7	204.6	210.3	216.0	210.3	204.6	186.7
70°	106.4	115.7	127.2	142.6	161.7	176.4	178.2	180.0	178.2	176.4	161.7
72.5°	92.2	99.4	108.5	121.3	137.9	150.2	149.5	148.8	149.5	150.2	137.9
75°	72.8	77.7	83.9	93.0	105.0	113.1	109.6	106.0	109.6	113.1	105.0
77.5°	53.8	57.5	62.1	68.8	77.6	82.9	77.5	72.2	77.5	82.9	77.6
80°	42.0	44.7	48.2	53.3	60.0	63.7	58.3	53.0	58.3	63.7	60.0
82.5°	31.6	32.9	34.7	38.0	42.9	45.5	41.3	37.0	41.3	45.5	42.9
85°	12.9	15.0	17.7	19.9	21.7	22.4	20.2	18.0	20.2	22.4	21.7
87.5°	9.5	9.4	9.8	10.5	11.3	11.0	8.2	5.8	8.2	10.7	12.0
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: P1428447

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-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: P1428447

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1049.6	1047.8	1048.1	1048.7	1049.7	1050.8	1049.7	1048.7	1048.1	1047.8	1049.6
5°	1049.0	1047.2	1047.7	1049.0	1053.0	1057.0	1053.0	1049.0	1047.7	1047.2	1049.0
7.5°	1045.7	1045.0	1046.5	1048.6	1052.5	1056.4	1052.5	1048.6	1046.5	1045.0	1045.7
10°	1042.3	1042.1	1044.3	1046.9	1050.5	1054.0	1050.5	1046.9	1044.3	1042.1	1042.3
12.5°	1038.0	1038.3	1040.9	1043.7	1047.3	1050.8	1047.3	1043.7	1040.9	1038.3	1038.0
15°	1028.2	1029.6	1032.7	1035.6	1037.8	1040.0	1037.8	1035.6	1032.7	1029.6	1028.2
17.5°	1012.1	1012.2	1013.0	1013.9	1014.9	1016.0	1014.9	1013.9	1013.0	1012.2	1012.1
20°	999.7	997.5	994.3	992.0	992.0	992.0	992.0	992.0	994.3	997.5	999.7
22.5°	982.2	976.4	967.9	960.9	958.1	955.2	958.1	960.9	967.9	976.4	982.2
25°	947.5	934.3	917.0	902.3	895.7	889.0	895.7	902.3	917.0	934.3	947.5
27.5°	900.2	879.1	854.5	833.7	824.5	815.2	824.5	833.7	854.5	879.1	900.2
30°	861.9	835.5	808.3	785.8	776.9	768.0	776.9	785.8	808.3	835.5	861.9
32.5°	821.9	791.7	763.5	740.0	730.4	720.8	730.4	740.0	763.5	791.7	821.9
35°	759.2	724.8	696.3	672.9	664.5	656.0	664.5	672.9	696.3	724.8	759.2
37.5°	696.4	659.9	630.1	605.5	596.1	586.8	596.1	605.5	630.1	659.9	696.4
40°	652.5	615.1	585.3	560.7	551.3	542.0	551.3	560.7	585.3	615.1	652.5
42.5°	610.1	572.7	542.9	518.2	508.5	498.8	508.5	518.2	542.9	572.7	610.1
45°	545.9	508.6	479.7	455.7	446.3	437.0	446.3	455.7	479.7	508.6	545.9
47.5°	485.4	448.6	420.6	397.6	389.6	381.6	389.6	397.6	420.6	448.6	485.4
50°	446.8	411.0	383.0	359.6	349.8	340.0	349.8	359.6	383.0	411.0	446.8
52.5°	409.4	373.8	345.1	320.3	306.9	293.6	306.9	320.3	345.1	373.8	409.4
55°	355.0	319.0	287.0	261.1	253.6	246.0	253.6	261.1	287.0	319.0	355.0
57.5°	304.9	272.3	243.2	219.8	213.6	207.4	213.6	219.8	243.2	272.3	304.9
60°	271.6	241.8	217.3	197.4	191.2	185.0	191.2	197.4	217.3	241.8	271.6
62.5°	239.0	212.3	192.8	176.9	171.8	166.6	171.8	176.9	192.8	212.3	239.0
65°	199.2	177.0	161.0	147.9	143.4	139.0	143.4	147.9	161.0	177.0	199.2
67.5°	164.8	146.8	132.7	121.5	118.5	115.6	118.5	121.5	132.7	146.8	164.8
70°	142.6	127.2	115.7	106.4	104.2	102.0	104.2	106.4	115.7	127.2	142.6
72.5°	121.3	108.5	99.4	92.2	90.7	89.2	90.7	92.2	99.4	108.5	121.3
75°	93.0	83.9	77.7	72.8	71.9	71.0	71.9	72.8	77.7	83.9	93.0
77.5°	68.8	62.1	57.5	53.8	53.1	52.4	53.1	53.8	57.5	62.1	68.8
80°	53.3	48.2	44.7	42.0	42.0	42.0	42.0	42.0	44.7	48.2	53.3
82.5°	38.0	34.7	32.9	31.6	31.6	31.6	31.6	31.6	32.9	34.7	38.0
85°	19.9	17.7	15.0	12.9	12.4	12.0	12.4	12.9	15.0	17.7	19.9
87.5°	11.9	13.2	15.2	16.3	17.7	17.0	17.7	16.3	15.2	13.2	11.9
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: P1428447

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-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: P1428447

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1050.0	1050.0	1050.0	1050.0
2.5°	1053.5	1054.9	1048.9	1042.8
5°	1053.0	1054.1	1046.6	1039.0
7.5°	1048.7	1049.1	1041.5	1033.8
10°	1045.0	1045.0	1037.0	1029.0
12.5°	1039.9	1039.3	1031.0	1022.6
15°	1028.7	1026.8	1017.9	1009.0
17.5°	1012.7	1011.0	1002.1	993.2
20°	1001.0	999.8	990.9	982.0
22.5°	985.3	985.2	975.6	966.0
25°	956.3	960.7	951.3	942.0
27.5°	917.8	929.1	921.6	914.0
30°	887.7	905.6	899.8	894.0
32.5°	854.1	877.7	875.4	873.2
35°	799.7	831.0	835.0	839.0
37.5°	739.5	774.8	786.7	798.6
40°	697.3	735.2	752.1	769.0
42.5°	654.9	693.9	715.1	736.2
45°	591.7	632.2	657.1	682.0
47.5°	531.1	571.6	596.3	621.0
50°	490.3	529.0	553.0	577.0
52.5°	451.9	489.2	510.7	532.2
55°	395.0	430.1	450.6	471.0
57.5°	341.1	372.6	390.3	408.0
60°	306.7	336.9	352.4	368.0
62.5°	273.1	302.0	315.8	329.6
65°	227.7	251.6	261.8	272.0
67.5°	186.7	204.6	210.3	216.0
70°	161.7	176.4	178.2	180.0
72.5°	137.9	150.2	149.5	148.8
75°	105.0	113.1	109.6	106.0
77.5°	77.6	82.9	77.5	72.2
80°	60.0	63.7	58.3	53.0
82.5°	42.9	45.5	41.3	37.0
85°	21.7	22.4	20.2	18.0
87.5°	12.0	10.7	8.2	5.8
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



TEST NUMBER: P1428447

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L935-UNV-STD-W-WM-4

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: P1428447

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-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	14.81	15.51	15.92	16.61	18.11	11.06	11.76	12.16	12.85	14.36
	3H	16.10	16.73	17.21	17.83	19.35	12.32	12.94	13.43	14.05	15.57
	4H	16.50	17.10	17.62	18.20	19.73	12.82	13.41	13.94	14.51	16.04
	6H	16.68	17.22	17.80	18.33	19.87	13.12	13.66	14.25	14.77	16.31
	8H	16.71	17.23	17.84	18.35	19.89	13.23	13.74	14.36	14.87	16.40
	12H	16.71	17.20	17.84	18.32	19.87	13.25	13.74	14.39	14.86	16.42
4H	2H	14.92	15.52	16.05	16.62	18.15	11.85	12.44	12.98	13.55	15.08
	3H	16.45	16.94	17.58	18.07	19.61	13.28	13.78	14.42	14.91	16.45
	4H	16.99	17.44	18.13	18.56	20.12	13.85	14.31	14.99	15.43	16.99
	6H	17.29	17.68	18.43	18.82	20.37	14.23	14.62	15.37	15.76	17.31
	8H	17.38	17.74	18.52	18.88	20.44	14.38	14.74	15.52	15.87	17.44
	12H	17.39	17.72	18.55	18.87	20.44	14.41	14.74	15.57	15.89	17.46
8H	4H	17.02	17.38	18.16	18.51	20.08	14.19	14.55	15.33	15.68	17.25
	6H	17.43	17.73	18.59	18.91	20.47	14.67	14.97	15.84	16.15	17.71
	8H	17.60	17.86	18.77	19.02	20.60	14.89	15.15	16.06	16.31	17.89
	12H	17.67	17.90	18.84	19.05	20.68	14.97	15.20	16.14	16.35	17.97
12H	4H	16.97	17.30	18.13	18.44	20.02	14.20	14.53	15.36	15.67	17.24
	6H	17.43	17.69	18.59	18.84	20.43	14.75	15.01	15.92	16.16	17.75
	8H	17.61	17.84	18.78	18.99	20.61	14.99	15.21	16.16	16.37	17.99