

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: P1428211

Luminaire Tested: SQ2W-PR1-K-050U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428211
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-050U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

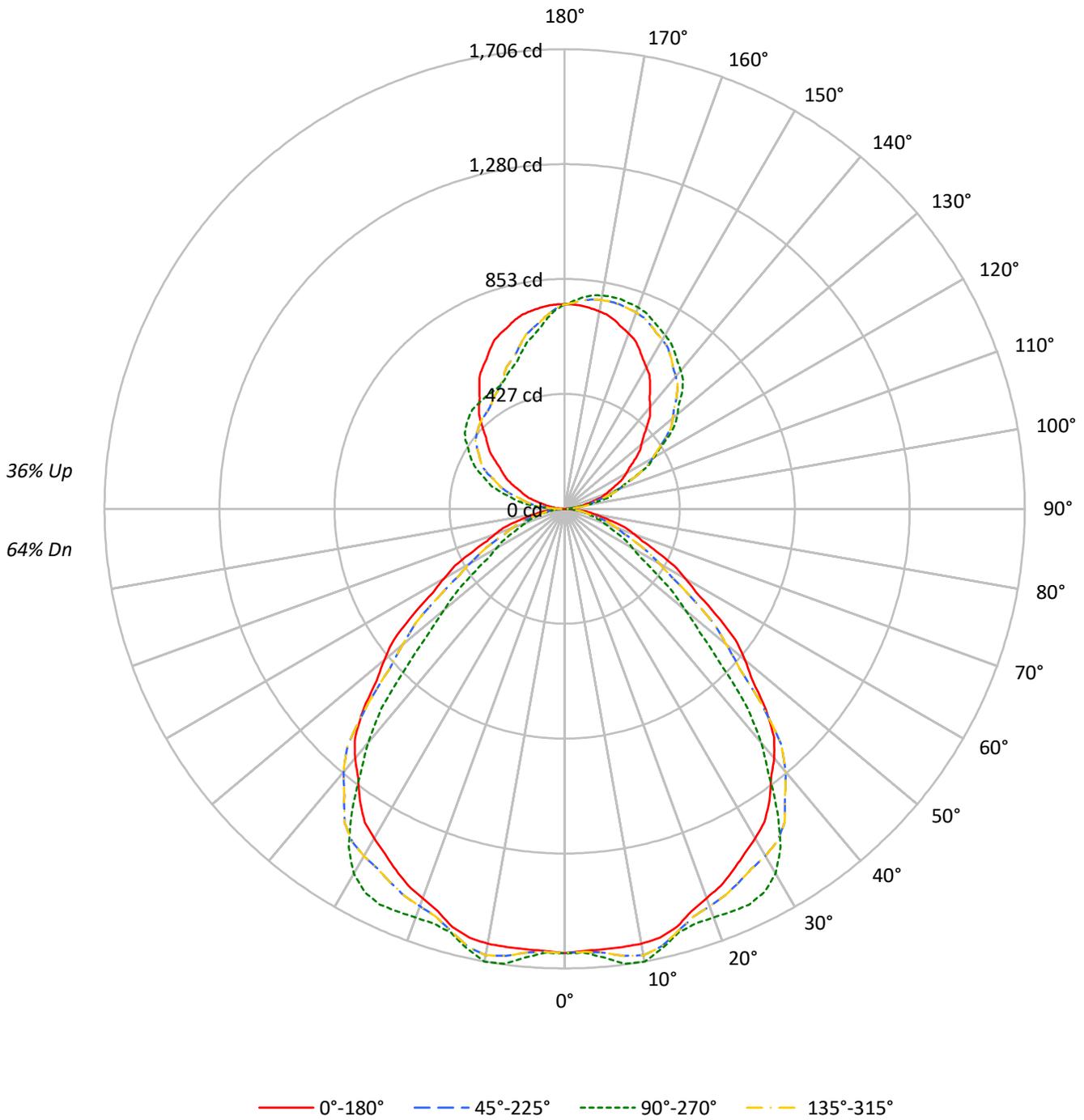
Lumens per Lamp: N/A
Luminaire Lumens: 6185.9 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64		
1	102	98	94	91	96	92	89	86	81	79	77	71	70	68	62	61	60	56		
2	93	86	80	75	88	81	76	72	72	68	65	64	61	58	56	54	52	48		
3	86	76	69	64	80	72	66	61	64	59	55	57	53	50	50	47	45	41		
4	79	68	60	55	74	65	58	52	58	52	48	51	47	43	45	42	39	36		
5	73	61	53	47	68	58	51	45	52	46	42	46	42	38	41	38	35	32		
6	67	55	47	41	63	52	45	40	47	41	37	42	37	34	37	34	31	28		
7	62	50	42	37	58	48	40	35	43	37	33	38	34	30	34	30	28	25		
8	58	46	38	33	54	43	36	31	39	33	29	35	31	27	32	28	25	23		
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	29	25	22	20		
10	50	38	31	26	48	37	30	26	33	28	24	30	25	22	27	23	20	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26627	26627	26627	26627
5°	26593	27084	26593	27084
10°	26874	27976	26874	27976
15°	26865	27231	26865	27231
20°	26431	27730	26431	27730
25°	26355	28872	26355	28872
30°	26328	29149	26328	29149
35°	26078	27139	26078	27139
40°	25477	23882	25477	23882
45°	24107	18885	24107	18885
50°	21915	14654	21915	14654
55°	19259	11406	19259	11406
60°	16665	9390	16665	9390
65°	14387	8221	14387	8221
70°	12935	7303	12935	7303
75°	11853	6712	11853	6712
80°	10321	6564	10321	6564
85°	7466	3112	7466	3112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25881 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	2.6
10°-20°	461.1	7.5
20°-30°	712.7	11.5
30°-40°	857.1	13.9
40°-50°	769.7	12.4
50°-60°	515.7	8.3
60°-70°	300.0	4.9
70°-80°	154.1	2.5
80°-90°	41.1	0.7
90°-100°	60.4	1.0
100°-110°	176.1	2.8
110°-120°	287.3	4.6
120°-130°	364.6	5.9
130°-140°	390.1	6.3
140°-150°	364.3	5.9
150°-160°	299.8	4.8
160°-170°	201.0	3.3
170°-180°	71.4	1.2
0°-30°	1333.1	21.6
0°-40°	2190.2	35.4
0°-60°	3475.6	56.2
0°-90°	3970.9	64.2
90°-120°	523.8	8.5
90°-150°	1642.8	26.6
90°-180°	2215.0	35.8
0°-180°	6185.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1649	1649	1649	1649	1649	
5°	1641	1671	1641	1671	1641	157
15°	1607	1629	1607	1629	1607	451
25°	1479	1621	1479	1621	1479	682
35°	1323	1377	1323	1377	1323	825
45°	1056	827	1056	827	1056	808
55°	684	405	684	405	684	615
65°	377	215	377	215	377	381
75°	190	108	190	108	190	202
85°	40	17	40	17	40	50
90°	2	17	2	33	2	3
95°	24	18	24	103	24	29
105°	112	179	112	247	112	119
115°	215	297	215	366	215	211
125°	317	471	317	449	317	284
135°	431	617	431	497	431	333
145°	551	711	551	508	551	345
155°	654	772	654	527	654	301
165°	723	805	723	607	723	204
175°	756	788	756	712	756	72
180°	759	759	759	759	759	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1642.5	1651.5	1660.5	1656.4	1648.0	1644.2	1644.8	1645.7	1647.4	1649.2	1647.4
5°	1640.8	1653.5	1666.2	1663.3	1655.0	1651.7	1653.2	1656.2	1663.6	1671.1	1663.6
7.5°	1640.5	1658.6	1676.7	1678.0	1673.9	1673.9	1678.3	1684.0	1693.8	1703.7	1693.8
10°	1639.2	1660.8	1682.5	1685.7	1682.7	1681.6	1682.3	1685.5	1695.9	1706.4	1695.9
12.5°	1631.1	1656.3	1681.6	1678.9	1667.0	1660.5	1659.4	1660.1	1665.8	1671.4	1665.8
15°	1607.2	1637.1	1667.0	1654.8	1628.7	1616.7	1619.0	1621.6	1625.3	1629.1	1625.3
17.5°	1565.2	1596.4	1627.6	1616.7	1591.8	1583.3	1591.4	1599.3	1606.6	1613.9	1606.6
20°	1538.3	1568.9	1599.6	1592.1	1571.9	1567.1	1577.5	1588.5	1601.2	1613.9	1601.2
22.5°	1514.1	1544.7	1575.3	1570.6	1554.0	1553.0	1567.6	1583.0	1600.5	1618.0	1600.5
25°	1479.4	1506.3	1533.2	1533.8	1525.6	1533.8	1558.5	1581.8	1601.2	1620.7	1601.2
27.5°	1443.1	1459.0	1474.8	1485.3	1493.9	1514.9	1548.3	1576.7	1590.3	1603.9	1590.3
30°	1412.2	1422.7	1433.1	1452.5	1475.0	1500.7	1529.9	1553.0	1558.3	1563.5	1558.3
32.5°	1378.6	1384.8	1391.1	1418.5	1452.8	1477.7	1493.1	1503.0	1496.3	1489.5	1496.3
35°	1323.1	1328.3	1333.6	1368.5	1413.3	1429.8	1417.8	1405.3	1391.1	1376.9	1391.1
37.5°	1257.2	1267.9	1278.7	1307.2	1341.5	1341.2	1306.3	1276.0	1259.7	1243.4	1259.7
40°	1208.8	1226.7	1244.6	1263.7	1283.1	1266.7	1214.4	1170.5	1151.8	1133.1	1151.8
42.5°	1149.6	1178.3	1207.0	1211.2	1207.4	1172.1	1105.4	1049.7	1026.9	1004.0	1026.9
45°	1055.8	1094.6	1133.5	1111.3	1068.7	1011.1	938.7	878.0	852.5	827.1	852.5
47.5°	945.2	985.1	1025.0	983.0	913.9	846.9	782.2	727.7	704.0	680.2	704.0
50°	872.5	904.7	936.8	889.3	815.4	748.1	687.6	635.7	609.5	583.4	609.5
52.5°	798.6	821.7	844.9	797.9	727.5	662.1	601.5	550.2	526.4	502.7	526.4
55°	684.2	696.2	708.2	664.6	602.6	542.8	485.3	438.0	421.6	405.2	421.6
57.5°	579.3	587.0	594.6	553.3	495.8	442.6	393.7	354.1	342.0	329.8	342.0
60°	516.1	521.4	526.6	484.7	427.2	379.4	341.3	310.3	300.6	290.8	300.6
62.5°	458.3	462.3	466.4	426.0	370.9	328.1	297.8	273.2	265.9	258.6	265.9
65°	376.6	380.3	384.1	349.7	302.6	267.5	244.3	225.7	220.4	215.2	220.4
67.5°	311.7	313.6	315.6	287.3	248.9	220.5	202.3	187.4	182.5	177.5	182.5
70°	274.0	274.8	275.5	250.5	216.9	191.8	175.4	162.1	158.4	154.7	158.4
72.5°	240.4	239.4	238.3	216.0	186.5	165.1	151.6	140.9	138.4	135.8	138.4
75°	190.0	187.7	185.5	167.0	143.1	126.6	117.7	110.6	109.1	107.6	109.1
77.5°	141.9	139.5	137.1	121.7	102.0	90.6	87.6	85.4	85.4	85.4	85.4
80°	111.0	108.0	105.0	93.0	78.1	70.6	70.6	70.6	70.6	70.6	70.6
82.5°	82.7	78.5	74.3	67.0	58.7	54.5	54.5	54.3	53.7	53.1	53.7
85°	40.3	36.6	32.9	31.9	31.9	29.7	25.2	21.3	19.1	16.8	19.1
87.5°	11.2	11.8	12.6	11.0	8.4	7.1	7.1	7.3	7.4	7.4	7.4
90°	2.3	5.4	9.2	12.3	14.6	15.3	15.3	16.1	16.9	16.9	16.9
92.5°	8.4	13.3	13.5	13.5	16.4	17.8	19.0	19.2	19.9	19.9	19.9
95°	23.8	26.1	39.1	38.3	26.1	20.7	17.6	17.6	17.6	17.6	17.6
97.5°	45.4	48.7	50.9	68.2	72.0	69.6	56.7	47.7	42.6	40.3	42.6
100°	64.4	65.9	70.5	71.3	90.4	108.8	99.6	88.1	84.3	82.0	84.3
102.5°	83.4	84.3	91.3	94.6	99.0	109.4	141.3	137.8	135.2	134.7	135.2
105°	111.9	112.6	125.7	131.8	134.9	134.9	134.1	149.4	173.9	179.3	173.9
107.5°	142.4	145.9	161.2	177.6	181.1	182.1	178.1	175.8	174.9	175.5	174.9
110°	163.2	168.6	187.0	207.7	213.0	214.6	213.0	210.7	209.2	209.2	209.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	183.4	191.3	212.1	235.9	244.9	249.5	246.1	244.4	242.9	244.1	242.9
115°	214.6	226.1	253.6	278.2	296.6	298.8	298.1	298.1	297.3	297.3	297.3
117.5°	243.4	261.8	292.7	321.2	342.5	348.7	351.7	350.8	349.9	351.4	349.9
120°	263.6	285.1	320.3	352.5	373.2	382.4	385.4	383.9	385.4	383.9	385.4
122.5°	285.1	311.4	346.1	379.5	403.8	414.3	417.9	418.2	418.5	417.6	418.5
125°	317.2	349.4	390.0	424.5	449.8	462.1	465.1	465.9	467.4	471.3	467.4
127.5°	349.7	386.2	430.8	464.1	490.0	504.8	509.6	511.3	514.5	516.2	514.5
130°	372.4	413.8	459.0	490.4	515.7	531.8	540.2	542.5	546.4	545.6	546.4
132.5°	396.3	439.5	485.4	518.0	541.5	558.8	566.0	572.6	573.9	575.0	573.9
135°	431.4	478.2	524.1	556.3	578.5	595.4	604.6	610.7	614.6	616.9	614.6
137.5°	468.4	517.7	561.8	590.5	612.9	627.4	637.9	644.3	648.3	650.1	648.3
140°	493.5	541.0	583.9	613.8	633.7	648.3	657.5	665.1	669.7	669.7	669.7
142.5°	517.4	564.3	606.0	635.9	653.3	666.7	676.5	682.3	687.5	687.5	687.5
145°	551.0	597.7	636.0	665.9	680.5	692.7	703.4	708.0	711.1	711.1	711.1
147.5°	586.1	627.4	662.4	691.0	703.3	717.7	726.1	729.8	733.6	732.0	733.6
150°	606.9	645.2	678.9	705.7	718.0	731.8	740.2	743.3	747.1	744.8	747.1
152.5°	627.1	663.6	694.2	719.2	729.7	743.4	753.1	756.2	758.8	757.1	758.8
155°	654.4	686.6	714.9	737.9	747.1	760.1	769.3	773.2	776.2	772.4	776.2
157.5°	678.8	706.5	731.2	752.3	762.1	773.3	781.9	786.7	789.7	788.0	789.7
160°	693.5	718.8	741.0	760.9	770.1	780.1	789.3	794.6	797.7	795.4	797.7
162.5°	705.7	728.6	749.6	767.7	775.6	784.4	795.4	800.1	803.2	800.3	803.2
165°	723.4	741.8	760.1	775.5	782.4	789.3	800.8	806.1	808.4	805.4	808.4
167.5°	736.7	750.8	765.7	778.8	783.9	790.6	802.1	806.6	809.5	805.7	809.5
170°	744.1	756.3	769.3	780.1	783.9	790.0	801.5	805.4	807.7	803.8	807.7
172.5°	750.2	759.4	770.0	779.5	781.5	786.4	797.2	801.1	802.8	799.5	802.8
175°	756.3	761.7	769.3	775.5	774.7	777.8	787.0	790.0	793.1	788.5	793.1
177.5°	759.2	761.7	764.1	767.8	765.4	765.4	772.1	773.9	774.6	772.1	774.6
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1645.7	1644.8	1644.2	1648.0	1656.4	1660.5	1651.5	1642.5	1651.5	1660.5	1656.4
5°	1656.2	1653.2	1651.7	1655.0	1663.3	1666.2	1653.5	1640.8	1653.5	1666.2	1663.3
7.5°	1684.0	1678.3	1673.9	1673.9	1678.0	1676.7	1658.6	1640.5	1658.6	1676.7	1678.0
10°	1685.5	1682.3	1681.6	1682.7	1685.7	1682.5	1660.8	1639.2	1660.8	1682.5	1685.7
12.5°	1660.1	1659.4	1660.5	1667.0	1678.9	1681.6	1656.3	1631.1	1656.3	1681.6	1678.9
15°	1621.6	1619.0	1616.7	1628.7	1654.8	1667.0	1637.1	1607.2	1637.1	1667.0	1654.8
17.5°	1599.3	1591.4	1583.3	1591.8	1616.7	1627.6	1596.4	1565.2	1596.4	1627.6	1616.7
20°	1588.5	1577.5	1567.1	1571.9	1592.1	1599.6	1568.9	1538.3	1568.9	1599.6	1592.1
22.5°	1583.0	1567.6	1553.0	1554.0	1570.6	1575.3	1544.7	1514.1	1544.7	1575.3	1570.6
25°	1581.8	1558.5	1533.8	1525.6	1533.8	1533.2	1506.3	1479.4	1506.3	1533.2	1533.8
27.5°	1576.7	1548.3	1514.9	1493.9	1485.3	1474.8	1459.0	1443.1	1459.0	1474.8	1485.3
30°	1553.0	1529.9	1500.7	1475.0	1452.5	1433.1	1422.7	1412.2	1422.7	1433.1	1452.5
32.5°	1503.0	1493.1	1477.7	1452.8	1418.5	1391.1	1384.8	1378.6	1384.8	1391.1	1418.5
35°	1405.3	1417.8	1429.8	1413.3	1368.5	1333.6	1328.3	1323.1	1328.3	1333.6	1368.5
37.5°	1276.0	1306.3	1341.2	1341.5	1307.2	1278.7	1267.9	1257.2	1267.9	1278.7	1307.2
40°	1170.5	1214.4	1266.7	1283.1	1263.7	1244.6	1226.7	1208.8	1226.7	1244.6	1263.7
42.5°	1049.7	1105.4	1172.1	1207.4	1211.2	1207.0	1178.3	1149.6	1178.3	1207.0	1211.2
45°	878.0	938.7	1011.1	1068.7	1111.3	1133.5	1094.6	1055.8	1094.6	1133.5	1111.3
47.5°	727.7	782.2	846.9	913.9	983.0	1025.0	985.1	945.2	985.1	1025.0	983.0
50°	635.7	687.6	748.1	815.4	889.3	936.8	904.7	872.5	904.7	936.8	889.3
52.5°	550.2	601.5	662.1	727.5	797.9	844.9	821.7	798.6	821.7	844.9	797.9
55°	438.0	485.3	542.8	602.6	664.6	708.2	696.2	684.2	696.2	708.2	664.6
57.5°	354.1	393.7	442.6	495.8	553.3	594.6	587.0	579.3	587.0	594.6	553.3
60°	310.3	341.3	379.4	427.2	484.7	526.6	521.4	516.1	521.4	526.6	484.7
62.5°	273.2	297.8	328.1	370.9	426.0	466.4	462.3	458.3	462.3	466.4	426.0
65°	225.7	244.3	267.5	302.6	349.7	384.1	380.3	376.6	380.3	384.1	349.7
67.5°	187.4	202.3	220.5	248.9	287.3	315.6	313.6	311.7	313.6	315.6	287.3
70°	162.1	175.4	191.8	216.9	250.5	275.5	274.8	274.0	274.8	275.5	250.5
72.5°	140.9	151.6	165.1	186.5	216.0	238.3	239.4	240.4	239.4	238.3	216.0
75°	110.6	117.7	126.6	143.1	167.0	185.5	187.7	190.0	187.7	185.5	167.0
77.5°	85.4	87.6	90.6	102.0	121.7	137.1	139.5	141.9	139.5	137.1	121.7
80°	70.6	70.6	70.6	78.1	93.0	105.0	108.0	111.0	108.0	105.0	93.0
82.5°	54.3	54.5	54.5	58.7	67.0	74.3	78.5	82.7	78.5	74.3	67.0
85°	21.3	25.2	29.7	31.9	31.9	32.9	36.6	40.3	36.6	32.9	31.9
87.5°	7.3	7.1	7.1	8.4	11.0	12.6	11.8	11.2	11.8	12.4	11.3
90°	16.1	15.3	15.3	14.6	12.3	9.2	5.4	2.3	5.4	8.4	13.8
92.5°	19.2	19.0	17.8	16.4	13.5	13.5	13.3	8.4	14.6	20.7	29.7
95°	17.6	17.6	20.7	26.1	38.3	39.1	26.1	23.8	33.7	47.5	59.8
97.5°	47.7	56.7	69.6	72.0	68.2	50.9	48.7	45.4	61.8	75.4	95.2
100°	88.1	99.6	108.8	90.4	71.3	70.5	65.9	64.4	82.0	95.0	114.2
102.5°	137.8	141.3	109.4	99.0	94.6	91.3	84.3	83.4	101.0	118.9	135.0
105°	149.4	134.1	134.9	134.9	131.8	125.7	112.6	111.9	131.8	152.5	172.4
107.5°	175.8	178.1	182.1	181.1	177.6	161.2	145.9	142.4	160.3	185.1	207.0
110°	210.7	213.0	214.6	213.0	207.7	187.0	168.6	163.2	179.3	205.4	229.1



TEST NUMBER: P1428211

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	244.4	246.1	249.5	244.9	235.9	212.1	191.3	183.4	199.5	226.2	250.6
115°	298.1	298.1	298.8	296.6	278.2	253.6	226.1	214.6	228.4	252.9	279.7
117.5°	350.8	351.7	348.7	342.5	321.2	292.7	261.8	243.4	254.3	280.2	307.7
120°	383.9	385.4	382.4	373.2	352.5	320.3	285.1	263.6	272.0	297.3	324.9
122.5°	418.2	417.9	414.3	403.8	379.5	346.1	311.4	285.1	288.6	312.0	339.0
125°	465.9	465.1	462.1	449.8	424.5	390.0	349.4	317.2	312.6	332.6	360.2
127.5°	511.3	509.6	504.8	490.0	464.1	430.8	386.2	349.7	339.5	352.0	377.3
130°	542.5	540.2	531.8	515.7	490.4	459.0	413.8	372.4	357.9	365.5	387.7
132.5°	572.6	566.0	558.8	541.5	518.0	485.4	439.5	396.3	376.2	379.6	396.9
135°	610.7	604.6	595.4	578.5	556.3	524.1	478.2	431.4	403.8	400.8	410.7
137.5°	644.3	637.9	627.4	612.9	590.5	561.8	517.7	468.4	433.6	423.3	427.1
140°	665.1	657.5	648.3	633.7	613.8	583.9	541.0	493.5	454.4	439.8	437.5
142.5°	682.3	676.5	666.7	653.3	635.9	606.0	564.3	517.4	475.9	457.0	451.6
145°	708.0	703.4	692.7	680.5	665.9	636.0	597.7	551.0	509.6	485.1	473.6
147.5°	729.8	726.1	717.7	703.3	691.0	662.4	627.4	586.1	543.6	513.3	498.4
150°	743.3	740.2	731.8	718.0	705.7	678.9	645.2	606.9	566.3	534.1	514.9
152.5°	756.2	753.1	743.4	729.7	719.2	694.2	663.6	627.1	585.9	553.7	533.9
155°	773.2	769.3	760.1	747.1	737.9	714.9	686.6	654.4	619.2	585.4	563.2
157.5°	786.7	781.9	773.3	762.1	752.3	731.2	706.5	678.8	648.0	615.8	593.1
160°	794.6	789.3	780.1	770.1	760.9	741.0	718.8	693.5	665.1	636.0	611.5
162.5°	800.1	795.4	784.4	775.6	767.7	749.6	728.6	705.7	680.5	655.0	632.3
165°	806.1	800.8	789.3	782.4	775.5	760.1	741.8	723.4	701.9	681.2	662.8
167.5°	806.6	802.1	790.6	783.9	778.8	765.7	750.8	736.7	720.0	703.8	688.4
170°	805.4	801.5	790.0	783.9	780.1	769.3	756.3	744.1	731.0	717.2	705.0
172.5°	801.1	797.2	786.4	781.5	779.5	770.0	759.4	750.2	739.0	728.9	719.1
175°	790.0	787.0	777.8	774.7	775.5	769.3	761.7	756.3	749.4	743.3	737.9
177.5°	773.9	772.1	765.4	765.4	767.8	764.1	761.7	759.2	756.2	754.3	752.5
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428211

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1648.0	1644.2	1644.8	1645.7	1647.4	1649.2	1647.4	1645.7	1644.8	1644.2	1648.0
5°	1655.0	1651.7	1653.2	1656.2	1663.6	1671.1	1663.6	1656.2	1653.2	1651.7	1655.0
7.5°	1673.9	1673.9	1678.3	1684.0	1693.8	1703.7	1693.8	1684.0	1678.3	1673.9	1673.9
10°	1682.7	1681.6	1682.3	1685.5	1695.9	1706.4	1695.9	1685.5	1682.3	1681.6	1682.7
12.5°	1667.0	1660.5	1659.4	1660.1	1665.8	1671.4	1665.8	1660.1	1659.4	1660.5	1667.0
15°	1628.7	1616.7	1619.0	1621.6	1625.3	1629.1	1625.3	1621.6	1619.0	1616.7	1628.7
17.5°	1591.8	1583.3	1591.4	1599.3	1606.6	1613.9	1606.6	1599.3	1591.4	1583.3	1591.8
20°	1571.9	1567.1	1577.5	1588.5	1601.2	1613.9	1601.2	1588.5	1577.5	1567.1	1571.9
22.5°	1554.0	1553.0	1567.6	1583.0	1600.5	1618.0	1600.5	1583.0	1567.6	1553.0	1554.0
25°	1525.6	1533.8	1558.5	1581.8	1601.2	1620.7	1601.2	1581.8	1558.5	1533.8	1525.6
27.5°	1493.9	1514.9	1548.3	1576.7	1590.3	1603.9	1590.3	1576.7	1548.3	1514.9	1493.9
30°	1475.0	1500.7	1529.9	1553.0	1558.3	1563.5	1558.3	1553.0	1529.9	1500.7	1475.0
32.5°	1452.8	1477.7	1493.1	1503.0	1496.3	1489.5	1496.3	1503.0	1493.1	1477.7	1452.8
35°	1413.3	1429.8	1417.8	1405.3	1391.1	1376.9	1391.1	1405.3	1417.8	1429.8	1413.3
37.5°	1341.5	1341.2	1306.3	1276.0	1259.7	1243.4	1259.7	1276.0	1306.3	1341.2	1341.5
40°	1283.1	1266.7	1214.4	1170.5	1151.8	1133.1	1151.8	1170.5	1214.4	1266.7	1283.1
42.5°	1207.4	1172.1	1105.4	1049.7	1026.9	1004.0	1026.9	1049.7	1105.4	1172.1	1207.4
45°	1068.7	1011.1	938.7	878.0	852.5	827.1	852.5	878.0	938.7	1011.1	1068.7
47.5°	913.9	846.9	782.2	727.7	704.0	680.2	704.0	727.7	782.2	846.9	913.9
50°	815.4	748.1	687.6	635.7	609.5	583.4	609.5	635.7	687.6	748.1	815.4
52.5°	727.5	662.1	601.5	550.2	526.4	502.7	526.4	550.2	601.5	662.1	727.5
55°	602.6	542.8	485.3	438.0	421.6	405.2	421.6	438.0	485.3	542.8	602.6
57.5°	495.8	442.6	393.7	354.1	342.0	329.8	342.0	354.1	393.7	442.6	495.8
60°	427.2	379.4	341.3	310.3	300.6	290.8	300.6	310.3	341.3	379.4	427.2
62.5°	370.9	328.1	297.8	273.2	265.9	258.6	265.9	273.2	297.8	328.1	370.9
65°	302.6	267.5	244.3	225.7	220.4	215.2	220.4	225.7	244.3	267.5	302.6
67.5°	248.9	220.5	202.3	187.4	182.5	177.5	182.5	187.4	202.3	220.5	248.9
70°	216.9	191.8	175.4	162.1	158.4	154.7	158.4	162.1	175.4	191.8	216.9
72.5°	186.5	165.1	151.6	140.9	138.4	135.8	138.4	140.9	151.6	165.1	186.5
75°	143.1	126.6	117.7	110.6	109.1	107.6	109.1	110.6	117.7	126.6	143.1
77.5°	102.0	90.6	87.6	85.4	85.4	85.4	85.4	85.4	87.6	90.6	102.0
80°	78.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	78.1
82.5°	58.7	54.5	54.5	54.3	53.7	53.1	53.7	54.3	54.5	54.5	58.7
85°	31.9	29.7	25.2	21.3	19.1	16.8	19.1	21.3	25.2	29.7	31.9
87.5°	9.1	8.6	9.7	10.3	10.9	10.6	10.9	10.3	9.7	8.6	9.1
90°	17.6	23.0	28.4	31.4	34.5	33.0	34.5	31.4	28.4	23.0	17.6
92.5°	35.4	44.4	51.0	56.6	59.0	58.7	59.0	56.6	51.0	44.4	35.4
95°	71.3	82.0	92.7	100.4	105.0	103.4	105.0	100.4	92.7	82.0	71.3
97.5°	109.9	124.3	136.2	143.4	148.0	151.1	148.0	143.4	136.2	124.3	109.9
100°	135.6	149.4	163.2	171.6	179.3	182.4	179.3	163.2	149.4	135.6	135.6
102.5°	156.5	174.6	189.6	198.6	205.1	208.1	205.1	198.6	189.6	174.6	156.5
105°	190.8	210.0	226.1	237.5	244.4	246.7	244.4	237.5	226.1	210.0	190.8
107.5°	225.1	244.9	259.8	272.5	280.9	285.8	280.9	272.5	259.8	244.9	225.1
110°	252.1	268.2	284.3	295.8	304.2	307.3	304.2	295.8	284.3	268.2	252.1



TEST NUMBER: P1428211

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	274.8	292.7	308.8	320.3	330.0	334.3	330.0	320.3	308.8	292.7	274.8
115°	306.5	330.3	344.8	355.6	362.5	366.3	362.5	355.6	344.8	330.3	306.5
117.5°	332.9	357.7	373.6	381.9	385.1	387.9	385.1	381.9	373.6	357.7	332.9
120°	349.4	372.4	390.8	401.5	405.4	406.9	405.4	401.5	390.8	372.4	349.4
122.5°	364.7	386.5	404.3	417.5	423.8	425.3	423.8	417.5	404.3	386.5	364.7
125°	386.2	406.9	425.3	438.3	445.2	449.0	445.2	438.3	425.3	406.9	386.2
127.5°	404.9	427.3	444.1	455.9	462.7	465.7	462.7	455.9	444.1	427.3	404.9
130°	415.3	438.3	455.2	468.2	474.3	477.4	474.3	468.2	455.2	438.3	415.3
132.5°	423.3	447.5	465.0	476.8	483.5	486.6	483.5	476.8	465.0	447.5	423.3
135°	432.9	458.2	476.6	488.1	494.3	497.3	494.3	488.1	476.6	458.2	432.9
137.5°	441.4	464.4	483.5	495.6	501.1	503.1	501.1	495.6	483.5	464.4	441.4
140°	447.5	467.4	486.6	498.1	504.2	505.0	504.2	498.1	486.6	467.4	447.5
142.5°	455.5	471.1	487.8	499.3	505.4	506.8	505.4	499.3	487.8	471.1	455.5
145°	469.7	478.9	490.4	501.1	506.5	508.0	506.5	501.1	490.4	478.9	469.7
147.5°	487.7	490.6	496.5	503.6	508.8	509.9	508.8	503.6	496.5	490.6	487.7
150°	501.1	500.4	502.7	507.3	511.9	511.1	511.9	507.3	502.7	500.4	501.1
152.5°	516.5	512.0	511.9	514.0	516.2	516.0	516.2	514.0	511.9	512.0	516.5
155°	542.5	534.1	529.5	528.0	528.0	527.2	528.0	528.0	529.5	534.1	542.5
157.5°	571.2	559.4	552.5	548.8	547.7	546.1	547.7	548.8	552.5	559.4	571.2
160°	590.8	577.8	570.9	564.7	562.4	560.2	562.4	564.7	570.9	577.8	590.8
162.5°	609.2	596.8	589.3	583.8	581.5	577.9	581.5	583.8	589.3	596.8	609.2
165°	639.1	626.1	617.6	613.0	610.0	606.9	610.0	613.0	617.6	626.1	639.1
167.5°	669.0	654.7	649.2	644.0	641.1	635.6	641.1	644.0	649.2	654.7	669.0
170°	687.4	674.3	671.3	666.7	661.3	655.2	661.3	666.7	671.3	674.3	687.4
172.5°	703.3	694.6	691.5	686.9	685.2	680.3	685.2	686.9	691.5	694.6	703.3
175°	726.4	719.5	719.5	718.8	716.5	711.9	716.5	718.8	719.5	719.5	726.4
177.5°	745.7	742.1	744.5	744.5	743.9	739.6	743.9	744.5	744.5	742.1	745.7
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428211

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1649.2	1649.2	1649.2	1649.2
2.5°	1656.4	1660.5	1651.5	1642.5
5°	1663.3	1666.2	1653.5	1640.8
7.5°	1678.0	1676.7	1658.6	1640.5
10°	1685.7	1682.5	1660.8	1639.2
12.5°	1678.9	1681.6	1656.3	1631.1
15°	1654.8	1667.0	1637.1	1607.2
17.5°	1616.7	1627.6	1596.4	1565.2
20°	1592.1	1599.6	1568.9	1538.3
22.5°	1570.6	1575.3	1544.7	1514.1
25°	1533.8	1533.2	1506.3	1479.4
27.5°	1485.3	1474.8	1459.0	1443.1
30°	1452.5	1433.1	1422.7	1412.2
32.5°	1418.5	1391.1	1384.8	1378.6
35°	1368.5	1333.6	1328.3	1323.1
37.5°	1307.2	1278.7	1267.9	1257.2
40°	1263.7	1244.6	1226.7	1208.8
42.5°	1211.2	1207.0	1178.3	1149.6
45°	1111.3	1133.5	1094.6	1055.8
47.5°	983.0	1025.0	985.1	945.2
50°	889.3	936.8	904.7	872.5
52.5°	797.9	844.9	821.7	798.6
55°	664.6	708.2	696.2	684.2
57.5°	553.3	594.6	587.0	579.3
60°	484.7	526.6	521.4	516.1
62.5°	426.0	466.4	462.3	458.3
65°	349.7	384.1	380.3	376.6
67.5°	287.3	315.6	313.6	311.7
70°	250.5	275.5	274.8	274.0
72.5°	216.0	238.3	239.4	240.4
75°	167.0	185.5	187.7	190.0
77.5°	121.7	137.1	139.5	141.9
80°	93.0	105.0	108.0	111.0
82.5°	67.0	74.3	78.5	82.7
85°	31.9	32.9	36.6	40.3
87.5°	11.3	12.4	11.8	11.2
90°	13.8	8.4	5.4	2.3
92.5°	29.7	20.7	14.6	8.4
95°	59.8	47.5	33.7	23.8
97.5°	95.2	75.4	61.8	45.4
100°	114.2	95.0	82.0	64.4
102.5°	135.0	118.9	101.0	83.4
105°	172.4	152.5	131.8	111.9
107.5°	207.0	185.1	160.3	142.4
110°	229.1	205.4	179.3	163.2

TEST NUMBER: P1428211

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	250.6	226.2	199.5	183.4
115°	279.7	252.9	228.4	214.6
117.5°	307.7	280.2	254.3	243.4
120°	324.9	297.3	272.0	263.6
122.5°	339.0	312.0	288.6	285.1
125°	360.2	332.6	312.6	317.2
127.5°	377.3	352.0	339.5	349.7
130°	387.7	365.5	357.9	372.4
132.5°	396.9	379.6	376.2	396.3
135°	410.7	400.8	403.8	431.4
137.5°	427.1	423.3	433.6	468.4
140°	437.5	439.8	454.4	493.5
142.5°	451.6	457.0	475.9	517.4
145°	473.6	485.1	509.6	551.0
147.5°	498.4	513.3	543.6	586.1
150°	514.9	534.1	566.3	606.9
152.5°	533.9	553.7	585.9	627.1
155°	563.2	585.4	619.2	654.4
157.5°	593.1	615.8	648.0	678.8
160°	611.5	636.0	665.1	693.5
162.5°	632.3	655.0	680.5	705.7
165°	662.8	681.2	701.9	723.4
167.5°	688.4	703.8	720.0	736.7
170°	705.0	717.2	731.0	744.1
172.5°	719.1	728.9	739.0	750.2
175°	737.9	743.3	749.4	756.3
177.5°	752.5	754.3	756.2	759.2
180°	758.6	758.6	758.6	758.6



TEST NUMBER: P1428211
 CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L840-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	19.31	20.26	20.15	21.11	22.17	15.68	16.63	16.52	17.48	18.54
	3H	20.53	21.37	21.37	22.23	23.32	16.85	17.70	17.70	18.56	19.64
	4H	21.01	21.81	21.88	22.68	23.77	17.32	18.12	18.18	18.98	20.08
	6H	21.32	22.05	22.19	22.92	24.03	17.66	18.40	18.54	19.27	20.38
	8H	21.42	22.12	22.31	23.01	24.12	17.80	18.50	18.69	19.39	20.50
	12H	21.46	22.13	22.35	23.01	24.15	17.84	18.50	18.73	19.39	20.52
4H	2H	19.43	20.22	20.29	21.09	22.19	16.40	17.20	17.27	18.07	19.16
	3H	20.89	21.55	21.77	22.45	23.56	17.77	18.43	18.65	19.33	20.44
	4H	21.53	22.13	22.42	23.02	24.16	18.32	18.92	19.21	19.81	20.95
	6H	21.96	22.48	22.87	23.40	24.54	18.75	19.27	19.66	20.19	21.33
	8H	22.12	22.60	23.03	23.52	24.67	18.94	19.42	19.85	20.33	21.49
	12H	22.19	22.63	23.12	23.56	24.72	18.99	19.42	19.92	20.36	21.51
8H	4H	21.56	22.04	22.47	22.95	24.11	18.65	19.13	19.56	20.04	21.20
	6H	22.09	22.49	23.03	23.45	24.60	19.19	19.59	20.13	20.55	21.70
	8H	22.33	22.68	23.27	23.63	24.80	19.45	19.81	20.40	20.75	21.92
	12H	22.45	22.76	23.40	23.70	24.92	19.55	19.86	20.50	20.80	22.02
12H	4H	21.52	21.95	22.45	22.89	24.04	18.67	19.11	19.60	20.04	21.20
	6H	22.08	22.44	23.03	23.38	24.55	19.26	19.62	20.21	20.56	21.73
	8H	22.34	22.65	23.28	23.59	24.81	19.56	19.87	20.50	20.81	22.03