

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: P1428379

Luminaire Tested: SQ2W-PW1-K-050U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428379
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-050U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES 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

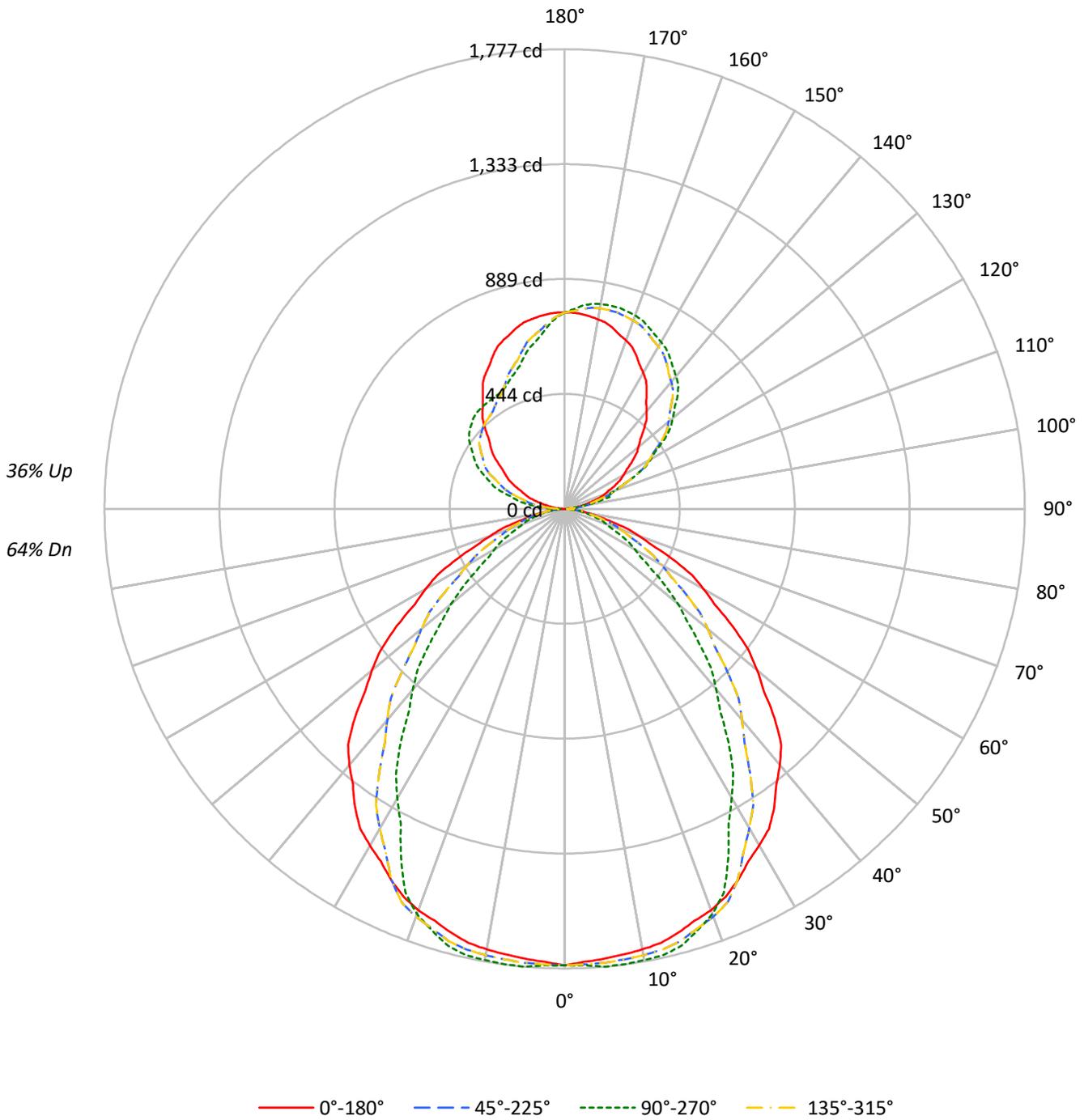
Lumens per Lamp: N/A
Luminaire Lumens: 6135.2 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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				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	104	104	104	104	91	91	91	79	79	79	69	69	69	64
1	102	98	94	90	95	92	89	86	81	79	76	71	69	68	62	61	60	55
2	93	86	80	75	87	81	76	71	72	68	64	63	60	58	56	53	51	47
3	85	76	69	63	80	72	66	61	64	59	55	57	53	50	50	47	45	41
4	79	68	60	54	74	64	57	52	57	52	48	51	47	43	45	42	39	36
5	72	61	53	47	68	58	51	45	52	46	42	46	42	38	41	37	34	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	27	25
8	58	46	38	33	54	43	36	32	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	23	21
10	51	39	31	27	48	37	30	26	33	28	24	30	26	22	27	23	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28500	28500	28500	28500
5°	28311	28800	28311	28800
10°	28361	29051	28361	29051
15°	28354	29225	28354	29225
20°	28365	28654	28365	28654
25°	28213	26626	28213	26626
30°	28021	24072	28021	24072
35°	27801	21738	27801	21738
40°	27248	19205	27248	19205
45°	26181	16776	26181	16776
50°	24364	14357	24364	14357
55°	22288	11642	22288	11642
60°	19979	10043	19979	10043
65°	17471	8928	17471	8928
70°	14285	8096	14285	8096
75°	11116	7448	11116	7448
80°	8284	6564	8284	6564
85°	5613	3742	5613	3742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	2.7
10°-20°	487.0	7.9
20°-30°	716.7	11.7
30°-40°	783.7	12.8
40°-50°	703.0	11.5
50°-60°	524.4	8.5
60°-70°	331.4	5.4
70°-80°	164.2	2.7
80°-90°	41.6	0.7
90°-100°	60.4	1.0
100°-110°	176.1	2.9
110°-120°	287.3	4.7
120°-130°	364.6	5.9
130°-140°	390.1	6.4
140°-150°	364.3	5.9
150°-160°	299.8	4.9
160°-170°	201.0	3.3
170°-180°	71.4	1.2
0°-30°	1371.9	22.4
0°-40°	2155.5	35.1
0°-60°	3382.9	55.1
0°-90°	3920.2	63.9
90°-120°	523.8	8.5
90°-150°	1642.8	26.8
90°-180°	2215.0	36.1
0°-180°	6135.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1765	1765	1765	1765	1765	
5°	1747	1777	1747	1777	1747	166
15°	1696	1748	1696	1748	1696	479
25°	1584	1495	1584	1495	1584	729
35°	1410	1103	1410	1103	1410	880
45°	1147	735	1147	735	1147	879
55°	792	414	792	414	792	707
65°	457	234	457	234	457	453
75°	178	119	178	119	178	196
85°	30	20	30	20	30	38
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°	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2
2.5°	1753.1	1763.3	1773.5	1771.1	1764.5	1761.5	1762.1	1763.0	1764.8	1766.6	1764.8
5°	1746.8	1759.5	1772.2	1770.3	1763.6	1760.6	1761.3	1763.6	1770.3	1777.0	1770.3
7.5°	1738.0	1750.9	1763.7	1763.1	1758.0	1756.8	1759.3	1762.9	1769.4	1776.0	1769.4
10°	1729.9	1743.4	1756.8	1756.8	1752.4	1752.0	1755.7	1760.0	1766.0	1772.0	1766.0
12.5°	1719.2	1733.2	1747.3	1748.3	1745.0	1745.6	1749.9	1754.6	1760.6	1766.6	1760.6
15°	1696.3	1711.3	1726.2	1729.4	1728.6	1730.9	1736.1	1741.0	1744.7	1748.4	1744.7
17.5°	1669.8	1684.7	1699.6	1702.6	1701.6	1701.7	1703.0	1704.5	1706.3	1708.1	1706.3
20°	1650.9	1665.9	1680.8	1682.9	1680.6	1676.9	1671.7	1667.7	1667.7	1667.7	1667.7
22.5°	1624.0	1640.2	1656.3	1656.4	1651.2	1641.5	1627.3	1615.4	1610.7	1605.9	1610.7
25°	1583.7	1599.4	1615.1	1607.8	1592.8	1570.8	1541.7	1517.0	1505.8	1494.6	1505.8
27.5°	1536.6	1549.3	1562.0	1543.0	1513.4	1477.9	1436.5	1401.6	1386.0	1370.5	1386.0
30°	1503.0	1512.7	1522.4	1492.3	1449.0	1404.5	1359.0	1321.0	1306.1	1291.2	1306.1
32.5°	1468.0	1471.8	1475.5	1435.8	1381.8	1331.0	1283.6	1244.1	1227.9	1211.8	1227.9
35°	1410.5	1403.8	1397.1	1344.4	1276.4	1218.5	1170.7	1131.3	1117.1	1102.9	1117.1
37.5°	1342.6	1322.6	1302.5	1243.2	1170.7	1109.4	1059.4	1017.9	1002.2	986.5	1002.2
40°	1292.8	1264.4	1236.0	1172.3	1096.9	1034.1	984.1	942.6	926.9	911.2	926.9
42.5°	1237.7	1202.1	1166.6	1101.1	1025.6	962.8	912.8	871.2	854.9	838.6	854.9
45°	1146.6	1104.7	1062.9	994.7	917.7	855.0	806.4	766.1	750.4	734.7	750.4
47.5°	1044.0	1002.5	960.9	892.9	816.1	754.2	707.1	668.4	655.0	641.5	655.0
50°	970.0	929.7	889.3	824.3	751.1	691.0	643.9	604.5	588.0	571.6	588.0
52.5°	894.7	858.6	822.4	759.8	688.4	628.5	580.2	538.4	516.0	493.6	516.0
55°	791.8	757.5	723.1	664.1	596.8	536.3	482.5	439.0	426.3	413.6	426.3
57.5°	685.9	656.2	626.4	573.4	512.6	457.7	408.9	369.6	359.1	348.7	359.1
60°	618.7	592.5	566.4	515.6	456.5	406.5	365.4	331.9	321.5	311.0	321.5
62.5°	554.1	531.0	507.8	459.1	401.8	356.9	324.1	297.4	288.8	280.1	288.8
65°	457.3	440.1	422.9	382.8	334.9	297.6	270.7	248.6	241.2	233.7	241.2
67.5°	363.1	353.6	344.0	313.9	277.0	246.8	223.1	204.2	199.3	194.3	199.3
70°	302.6	299.6	296.6	271.8	239.7	213.9	194.5	179.0	175.2	171.5	175.2
72.5°	250.2	251.4	252.6	231.9	203.9	182.4	167.1	155.0	152.5	150.0	152.5
75°	178.2	184.2	190.2	176.5	156.4	141.0	130.6	122.4	120.9	119.4	120.9
77.5°	121.4	130.3	139.3	130.5	115.7	104.4	96.6	90.5	89.3	88.1	89.3
80°	89.1	98.1	107.0	100.9	89.7	81.1	75.1	70.6	70.6	70.6	70.6
82.5°	62.2	69.4	76.6	72.2	64.0	58.4	55.4	53.1	53.1	53.1	53.1
85°	30.3	34.0	37.7	36.4	33.4	29.7	25.2	21.7	20.9	20.2	20.9
87.5°	8.5	10.9	13.5	12.3	9.8	8.1	7.5	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°	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2
2.5°	1763.0	1762.1	1761.5	1764.5	1771.1	1773.5	1763.3	1753.1	1763.3	1773.5	1771.1
5°	1763.6	1761.3	1760.6	1763.6	1770.3	1772.2	1759.5	1746.8	1759.5	1772.2	1770.3
7.5°	1762.9	1759.3	1756.8	1758.0	1763.1	1763.7	1750.9	1738.0	1750.9	1763.7	1763.1
10°	1760.0	1755.7	1752.0	1752.4	1756.8	1756.8	1743.4	1729.9	1743.4	1756.8	1756.8
12.5°	1754.6	1749.9	1745.6	1745.0	1748.3	1747.3	1733.2	1719.2	1733.2	1747.3	1748.3
15°	1741.0	1736.1	1730.9	1728.6	1729.4	1726.2	1711.3	1696.3	1711.3	1726.2	1729.4
17.5°	1704.5	1703.0	1701.7	1701.6	1702.6	1699.6	1684.7	1669.8	1684.7	1699.6	1702.6
20°	1667.7	1671.7	1676.9	1680.6	1682.9	1680.8	1665.9	1650.9	1665.9	1680.8	1682.9
22.5°	1615.4	1627.3	1641.5	1651.2	1656.4	1656.3	1640.2	1624.0	1640.2	1656.3	1656.4
25°	1517.0	1541.7	1570.8	1592.8	1607.8	1615.1	1599.4	1583.7	1599.4	1615.1	1607.8
27.5°	1401.6	1436.5	1477.9	1513.4	1543.0	1562.0	1549.3	1536.6	1549.3	1562.0	1543.0
30°	1321.0	1359.0	1404.5	1449.0	1492.3	1522.4	1512.7	1503.0	1512.7	1522.4	1492.3
32.5°	1244.1	1283.6	1331.0	1381.8	1435.8	1475.5	1471.8	1468.0	1471.8	1475.5	1435.8
35°	1131.3	1170.7	1218.5	1276.4	1344.4	1397.1	1403.8	1410.5	1403.8	1397.1	1344.4
37.5°	1017.9	1059.4	1109.4	1170.7	1243.2	1302.5	1322.6	1342.6	1322.6	1302.5	1243.2
40°	942.6	984.1	1034.1	1096.9	1172.3	1236.0	1264.4	1292.8	1264.4	1236.0	1172.3
42.5°	871.2	912.8	962.8	1025.6	1101.1	1166.6	1202.1	1237.7	1202.1	1166.6	1101.1
45°	766.1	806.4	855.0	917.7	994.7	1062.9	1104.7	1146.6	1104.7	1062.9	994.7
47.5°	668.4	707.1	754.2	816.1	892.9	960.9	1002.5	1044.0	1002.5	960.9	892.9
50°	604.5	643.9	691.0	751.1	824.3	889.3	929.7	970.0	929.7	889.3	824.3
52.5°	538.4	580.2	628.5	688.4	759.8	822.4	858.6	894.7	858.6	822.4	759.8
55°	439.0	482.5	536.3	596.8	664.1	723.1	757.5	791.8	757.5	723.1	664.1
57.5°	369.6	408.9	457.7	512.6	573.4	626.4	656.2	685.9	656.2	626.4	573.4
60°	331.9	365.4	406.5	456.5	515.6	566.4	592.5	618.7	592.5	566.4	515.6
62.5°	297.4	324.1	356.9	401.8	459.1	507.8	531.0	554.1	531.0	507.8	459.1
65°	248.6	270.7	297.6	334.9	382.8	422.9	440.1	457.3	440.1	422.9	382.8
67.5°	204.2	223.1	246.8	277.0	313.9	344.0	353.6	363.1	353.6	344.0	313.9
70°	179.0	194.5	213.9	239.7	271.8	296.6	299.6	302.6	299.6	296.6	271.8
72.5°	155.0	167.1	182.4	203.9	231.9	252.6	251.4	250.2	251.4	252.6	231.9
75°	122.4	130.6	141.0	156.4	176.5	190.2	184.2	178.2	184.2	190.2	176.5
77.5°	90.5	96.6	104.4	115.7	130.5	139.3	130.3	121.4	130.3	139.3	130.5
80°	70.6	75.1	81.1	89.7	100.9	107.0	98.1	89.1	98.1	107.0	100.9
82.5°	53.1	55.4	58.4	64.0	72.2	76.6	69.4	62.2	69.4	76.6	72.2
85°	21.7	25.2	29.7	33.4	36.4	37.7	34.0	30.3	34.0	37.7	36.4
87.5°	7.3	7.5	8.1	9.8	12.3	13.5	10.9	8.5	10.9	13.3	12.6
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: P1428379

CATALOG NUMBER: SQ2W-PW1-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: P1428379

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2	1765.2
2.5°	1764.5	1761.5	1762.1	1763.0	1764.8	1766.6	1764.8	1763.0	1762.1	1761.5	1764.5
5°	1763.6	1760.6	1761.3	1763.6	1770.3	1777.0	1770.3	1763.6	1761.3	1760.6	1763.6
7.5°	1758.0	1756.8	1759.3	1762.9	1769.4	1776.0	1769.4	1762.9	1759.3	1756.8	1758.0
10°	1752.4	1752.0	1755.7	1760.0	1766.0	1772.0	1766.0	1760.0	1755.7	1752.0	1752.4
12.5°	1745.0	1745.6	1749.9	1754.6	1760.6	1766.6	1760.6	1754.6	1749.9	1745.6	1745.0
15°	1728.6	1730.9	1736.1	1741.0	1744.7	1748.4	1744.7	1741.0	1736.1	1730.9	1728.6
17.5°	1701.6	1701.7	1703.0	1704.5	1706.3	1708.1	1706.3	1704.5	1703.0	1701.7	1701.6
20°	1680.6	1676.9	1671.7	1667.7	1667.7	1667.7	1667.7	1667.7	1671.7	1676.9	1680.6
22.5°	1651.2	1641.5	1627.3	1615.4	1610.7	1605.9	1610.7	1615.4	1627.3	1641.5	1651.2
25°	1592.8	1570.8	1541.7	1517.0	1505.8	1494.6	1505.8	1517.0	1541.7	1570.8	1592.8
27.5°	1513.4	1477.9	1436.5	1401.6	1386.0	1370.5	1386.0	1401.6	1436.5	1477.9	1513.4
30°	1449.0	1404.5	1359.0	1321.0	1306.1	1291.2	1306.1	1321.0	1359.0	1404.5	1449.0
32.5°	1381.8	1331.0	1283.6	1244.1	1227.9	1211.8	1227.9	1244.1	1283.6	1331.0	1381.8
35°	1276.4	1218.5	1170.7	1131.3	1117.1	1102.9	1117.1	1131.3	1170.7	1218.5	1276.4
37.5°	1170.7	1109.4	1059.4	1017.9	1002.2	986.5	1002.2	1017.9	1059.4	1109.4	1170.7
40°	1096.9	1034.1	984.1	942.6	926.9	911.2	926.9	942.6	984.1	1034.1	1096.9
42.5°	1025.6	962.8	912.8	871.2	854.9	838.6	854.9	871.2	912.8	962.8	1025.6
45°	917.7	855.0	806.4	766.1	750.4	734.7	750.4	766.1	806.4	855.0	917.7
47.5°	816.1	754.2	707.1	668.4	655.0	641.5	655.0	668.4	707.1	754.2	816.1
50°	751.1	691.0	643.9	604.5	588.0	571.6	588.0	604.5	643.9	691.0	751.1
52.5°	688.4	628.5	580.2	538.4	516.0	493.6	516.0	538.4	580.2	628.5	688.4
55°	596.8	536.3	482.5	439.0	426.3	413.6	426.3	439.0	482.5	536.3	596.8
57.5°	512.6	457.7	408.9	369.6	359.1	348.7	359.1	369.6	408.9	457.7	512.6
60°	456.5	406.5	365.4	331.9	321.5	311.0	321.5	331.9	365.4	406.5	456.5
62.5°	401.8	356.9	324.1	297.4	288.8	280.1	288.8	297.4	324.1	356.9	401.8
65°	334.9	297.6	270.7	248.6	241.2	233.7	241.2	248.6	270.7	297.6	334.9
67.5°	277.0	246.8	223.1	204.2	199.3	194.3	199.3	204.2	223.1	246.8	277.0
70°	239.7	213.9	194.5	179.0	175.2	171.5	175.2	179.0	194.5	213.9	239.7
72.5°	203.9	182.4	167.1	155.0	152.5	150.0	152.5	155.0	167.1	182.4	203.9
75°	156.4	141.0	130.6	122.4	120.9	119.4	120.9	122.4	130.6	141.0	156.4
77.5°	115.7	104.4	96.6	90.5	89.3	88.1	89.3	90.5	96.6	104.4	115.7
80°	89.7	81.1	75.1	70.6	70.6	70.6	70.6	70.6	75.1	81.1	89.7
82.5°	64.0	58.4	55.4	53.1	53.1	53.1	53.1	53.1	55.4	58.4	64.0
85°	33.4	29.7	25.2	21.7	20.9	20.2	20.9	21.7	25.2	29.7	33.4
87.5°	10.4	9.7	10.2	10.3	10.9	10.6	10.9	10.3	10.2	9.7	10.4
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	171.6	163.2	149.4	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: P1428379

CATALOG NUMBER: SQ2W-PW1-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: P1428379

CATALOG NUMBER: SQ2W-PW1-K-050U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1765.2	1765.2	1765.2	1765.2
2.5°	1771.1	1773.5	1763.3	1753.1
5°	1770.3	1772.2	1759.5	1746.8
7.5°	1763.1	1763.7	1750.9	1738.0
10°	1756.8	1756.8	1743.4	1729.9
12.5°	1748.3	1747.3	1733.2	1719.2
15°	1729.4	1726.2	1711.3	1696.3
17.5°	1702.6	1699.6	1684.7	1669.8
20°	1682.9	1680.8	1665.9	1650.9
22.5°	1656.4	1656.3	1640.2	1624.0
25°	1607.8	1615.1	1599.4	1583.7
27.5°	1543.0	1562.0	1549.3	1536.6
30°	1492.3	1522.4	1512.7	1503.0
32.5°	1435.8	1475.5	1471.8	1468.0
35°	1344.4	1397.1	1403.8	1410.5
37.5°	1243.2	1302.5	1322.6	1342.6
40°	1172.3	1236.0	1264.4	1292.8
42.5°	1101.1	1166.6	1202.1	1237.7
45°	994.7	1062.9	1104.7	1146.6
47.5°	892.9	960.9	1002.5	1044.0
50°	824.3	889.3	929.7	970.0
52.5°	759.8	822.4	858.6	894.7
55°	664.1	723.1	757.5	791.8
57.5°	573.4	626.4	656.2	685.9
60°	515.6	566.4	592.5	618.7
62.5°	459.1	507.8	531.0	554.1
65°	382.8	422.9	440.1	457.3
67.5°	313.9	344.0	353.6	363.1
70°	271.8	296.6	299.6	302.6
72.5°	231.9	252.6	251.4	250.2
75°	176.5	190.2	184.2	178.2
77.5°	130.5	139.3	130.3	121.4
80°	100.9	107.0	98.1	89.1
82.5°	72.2	76.6	69.4	62.2
85°	36.4	37.7	34.0	30.3
87.5°	12.6	13.3	10.9	8.5
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: P1428379

CATALOG NUMBER: SQ2W-PW1-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: P1428379
 CATALOG NUMBER: SQ2W-PW1-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	19.76	20.71	20.60	21.57	22.63	16.01	16.96	16.85	17.81	18.88
	3H	21.07	21.92	21.92	22.78	23.87	17.29	18.14	18.14	19.00	20.09
	4H	21.49	22.29	22.35	23.15	24.25	17.80	18.60	18.67	19.47	20.57
	6H	21.67	22.41	22.55	23.28	24.40	18.11	18.85	18.99	19.72	20.84
	8H	21.72	22.41	22.60	23.31	24.42	18.23	18.93	19.12	19.82	20.94
	12H	21.72	22.39	22.61	23.27	24.41	18.26	18.93	19.15	19.82	20.95
4H	2H	19.91	20.71	20.78	21.58	22.68	16.83	17.63	17.70	18.50	19.60
	3H	21.45	22.12	22.34	23.02	24.13	18.29	18.95	19.17	19.85	20.97
	4H	22.00	22.61	22.90	23.51	24.65	18.87	19.47	19.76	20.37	21.51
	6H	22.32	22.84	23.23	23.76	24.91	19.26	19.78	20.17	20.70	21.84
	8H	22.41	22.90	23.32	23.81	24.97	19.41	19.90	20.32	20.81	21.97
	12H	22.44	22.87	23.37	23.81	24.97	19.46	19.89	20.39	20.83	21.99
8H	4H	22.05	22.53	22.96	23.45	24.61	19.22	19.70	20.13	20.62	21.78
	6H	22.47	22.87	23.41	23.83	24.99	19.72	20.12	20.65	21.07	22.23
	8H	22.64	23.00	23.59	23.95	25.12	19.93	20.29	20.88	21.24	22.41
	12H	22.73	23.04	23.68	23.98	25.20	20.02	20.33	20.97	21.28	22.50
12H	4H	22.01	22.45	22.94	23.38	24.54	19.24	19.68	20.17	20.61	21.77
	6H	22.47	22.82	23.41	23.77	24.95	19.79	20.15	20.74	21.10	22.27
	8H	22.66	22.97	23.61	23.92	25.14	20.04	20.35	20.99	21.29	22.52