

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: P1428049

Luminaire Tested: SQ2W-PP3-K-050U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428049
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-050U-100D-L840-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 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

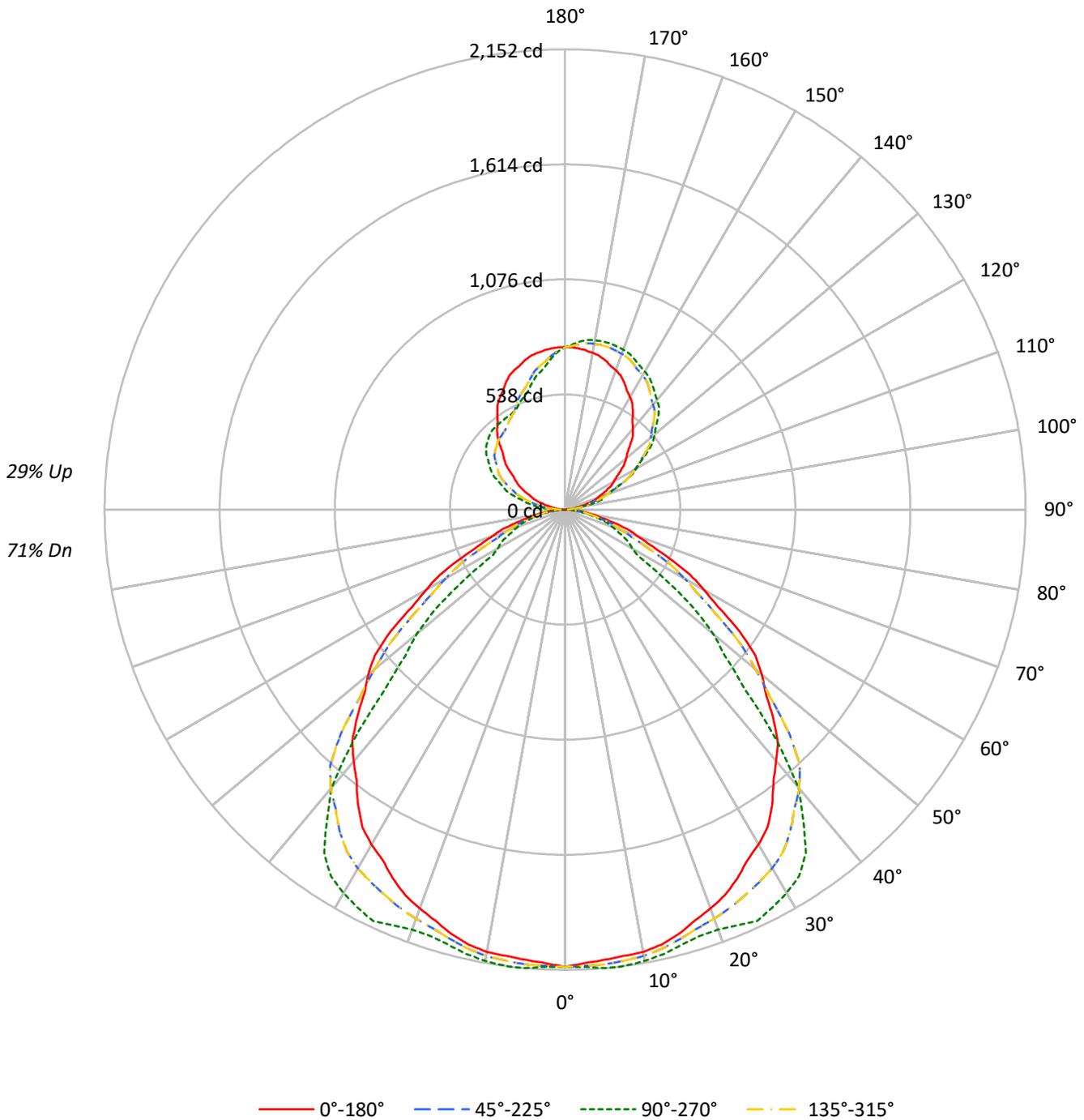
Lumens per Lamp: N/A
Luminaire Lumens: 7603.4 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71				
1	103	99	95	92	98	94	91	88	85	82	80	76	74	72	68	66	65	61				
2	95	87	81	76	89	83	78	73	75	71	67	67	64	61	61	58	56	52				
3	87	77	70	64	82	74	67	62	67	62	57	60	56	53	54	51	48	45				
4	80	69	61	55	75	66	59	53	60	54	49	54	49	46	49	45	42	39				
5	73	62	54	48	69	59	52	46	54	48	43	49	44	40	44	40	37	34				
6	68	56	48	42	64	53	46	40	49	42	38	44	39	35	40	36	33	30				
7	63	50	42	37	59	48	41	36	44	38	34	40	35	31	37	33	29	27				
8	58	46	38	33	55	44	37	32	40	34	30	37	32	28	34	30	26	24				
9	55	42	35	29	52	40	33	29	37	31	27	34	29	25	31	27	24	22				
10	51	39	31	27	48	37	30	26	34	28	24	32	27	23	29	25	22	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34524	34524	34524	34524
5°	34252	34876	34252	34876
10°	34427	35130	34427	35130
15°	34345	35214	34345	35214
20°	34099	35924	34099	35924
25°	33905	37812	33905	37812
30°	33713	38601	33713	38601
35°	33235	38671	33235	38671
40°	32348	35731	32348	35731
45°	31380	27199	31380	27199
50°	30149	22654	30149	22654
55°	28059	16290	28059	16290
60°	24160	11680	24160	11680
65°	20378	11484	20378	11484
70°	16966	10990	16966	10990
75°	14385	10293	14385	10293
80°	12189	9251	12189	9251
85°	9633	5020	9633	5020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 34328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	2.7
10°-20°	589.3	7.8
20°-30°	923.2	12.1
30°-40°	1138.8	15.0
40°-50°	1072.1	14.1
50°-60°	759.2	10.0
60°-70°	432.6	5.7
70°-80°	214.1	2.8
80°-90°	55.5	0.7
90°-100°	60.4	0.8
100°-110°	176.1	2.3
110°-120°	287.3	3.8
120°-130°	364.6	4.8
130°-140°	390.1	5.1
140°-150°	364.3	4.8
150°-160°	299.8	3.9
160°-170°	201.0	2.6
170°-180°	71.4	0.9
0°-30°	1716.1	22.6
0°-40°	2854.9	37.5
0°-60°	4686.2	61.6
0°-90°	5388.4	70.9
90°-120°	523.8	6.9
90°-150°	1642.8	21.6
90°-180°	2215.0	29.1
0°-180°	7603.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2138	2138	2138	2138	2138	
5°	2113	2152	2113	2152	2113	201
15°	2055	2107	2055	2107	2055	579
25°	1903	2122	1903	2122	1903	877
35°	1686	1962	1686	1962	1686	1052
45°	1374	1191	1374	1191	1374	1058
55°	997	579	997	579	997	879
65°	533	301	533	301	533	536
75°	231	165	231	165	231	250
85°	52	27	52	27	52	61
90°	2	17	2	33	2	4
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°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2122.0	2135.7	2149.4	2146.1	2137.3	2133.7	2135.3	2136.9	2138.5	2140.1	2138.5
5°	2113.4	2130.5	2147.6	2145.1	2136.1	2132.5	2134.5	2137.8	2144.8	2151.9	2144.8
7.5°	2105.3	2122.8	2140.3	2138.0	2129.2	2126.5	2129.9	2134.6	2143.2	2151.9	2143.2
10°	2099.9	2115.0	2130.0	2127.8	2119.7	2118.2	2123.2	2128.8	2135.8	2142.8	2135.8
12.5°	2083.6	2097.9	2112.1	2110.3	2103.0	2102.7	2109.4	2115.9	2122.1	2128.4	2122.1
15°	2054.7	2067.7	2080.8	2081.0	2077.0	2079.5	2088.6	2096.6	2101.6	2106.7	2101.6
17.5°	2015.3	2031.2	2047.1	2050.8	2050.4	2056.6	2069.4	2080.4	2085.6	2090.8	2085.6
20°	1984.6	2003.7	2022.8	2029.1	2031.1	2040.1	2056.2	2070.8	2080.8	2090.8	2080.8
22.5°	1952.1	1974.4	1996.7	2004.9	2008.6	2022.4	2046.5	2068.9	2086.2	2103.5	2086.2
25°	1903.2	1925.3	1947.4	1963.5	1977.6	2002.2	2037.3	2070.2	2096.4	2122.5	2096.4
27.5°	1846.3	1868.2	1890.1	1917.7	1947.2	1981.8	2021.4	2056.2	2076.9	2097.6	2076.9
30°	1808.3	1829.4	1850.5	1882.1	1917.3	1955.5	1996.7	2032.3	2051.4	2070.5	2051.4
32.5°	1761.3	1783.2	1805.1	1838.7	1876.3	1917.3	1961.7	1999.4	2016.9	2034.3	2016.9
35°	1686.2	1707.3	1728.4	1767.6	1812.8	1858.5	1904.7	1941.9	1952.0	1962.0	1952.0
37.5°	1599.9	1623.8	1647.7	1691.7	1742.3	1780.6	1806.5	1826.1	1826.7	1827.3	1826.7
40°	1534.8	1565.9	1597.1	1641.0	1689.3	1715.9	1720.9	1721.4	1708.3	1695.3	1708.3
42.5°	1471.5	1511.5	1551.5	1586.8	1620.5	1627.5	1607.6	1578.1	1520.1	1462.0	1520.1
45°	1374.3	1421.5	1468.7	1490.3	1503.4	1459.2	1357.7	1271.6	1231.4	1191.2	1231.4
47.5°	1270.8	1317.4	1364.0	1358.0	1334.5	1267.6	1157.3	1067.6	1039.9	1012.2	1039.9
50°	1200.3	1244.5	1288.7	1256.8	1199.5	1124.2	1030.7	954.1	928.0	901.9	928.0
52.5°	1120.7	1160.1	1199.5	1151.3	1073.9	994.6	913.2	842.2	802.4	762.6	802.4
55°	996.8	1023.9	1051.1	998.3	919.0	831.6	736.1	655.0	616.8	578.7	616.8
57.5°	847.6	866.7	885.8	844.3	782.6	695.7	583.6	488.8	446.0	403.3	446.0
60°	748.2	763.3	778.3	740.6	685.4	602.5	492.0	403.9	382.8	361.7	382.8
62.5°	657.8	671.2	684.7	645.4	588.6	514.5	423.3	353.0	345.6	338.2	345.6
65°	533.4	546.5	559.6	518.4	459.1	401.3	345.1	302.6	301.6	300.6	301.6
67.5°	424.5	438.8	453.0	414.3	357.8	315.1	286.2	264.2	263.0	261.8	263.0
70°	359.4	374.5	389.5	353.4	300.1	265.5	249.4	236.8	234.8	232.8	234.8
72.5°	305.2	319.4	333.7	302.1	255.3	226.7	216.2	208.1	206.9	205.7	206.9
75°	230.6	241.6	252.7	229.8	195.6	176.1	171.0	167.0	166.0	165.0	166.0
77.5°	167.3	174.3	181.3	166.4	144.1	131.6	129.0	126.8	125.8	124.8	125.8
80°	131.1	134.1	137.1	126.6	111.5	103.5	102.5	101.5	100.5	99.5	100.5
82.5°	98.6	97.5	96.5	90.4	82.6	78.2	77.2	75.9	74.1	72.3	74.1
85°	52.0	50.0	48.0	46.0	44.0	40.9	36.9	33.2	30.1	27.1	30.1
87.5°	16.7	17.3	18.1	15.7	12.2	9.9	9.1	8.6	8.8	8.8	8.8
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°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2136.9	2135.3	2133.7	2137.3	2146.1	2149.4	2135.7	2122.0	2135.7	2149.4	2146.1
5°	2137.8	2134.5	2132.5	2136.1	2145.1	2147.6	2130.5	2113.4	2130.5	2147.6	2145.1
7.5°	2134.6	2129.9	2126.5	2129.2	2138.0	2140.3	2122.8	2105.3	2122.8	2140.3	2138.0
10°	2128.8	2123.2	2118.2	2119.7	2127.8	2130.0	2115.0	2099.9	2115.0	2130.0	2127.8
12.5°	2115.9	2109.4	2102.7	2103.0	2110.3	2112.1	2097.9	2083.6	2097.9	2112.1	2110.3
15°	2096.6	2088.6	2079.5	2077.0	2081.0	2080.8	2067.7	2054.7	2067.7	2080.8	2081.0
17.5°	2080.4	2069.4	2056.6	2050.4	2050.8	2047.1	2031.2	2015.3	2031.2	2047.1	2050.8
20°	2070.8	2056.2	2040.1	2031.1	2029.1	2022.8	2003.7	1984.6	2003.7	2022.8	2029.1
22.5°	2068.9	2046.5	2022.4	2008.6	2004.9	1996.7	1974.4	1952.1	1974.4	1996.7	2004.9
25°	2070.2	2037.3	2002.2	1977.6	1963.5	1947.4	1925.3	1903.2	1925.3	1947.4	1963.5
27.5°	2056.2	2021.4	1981.8	1947.2	1917.7	1890.1	1868.2	1846.3	1868.2	1890.1	1917.7
30°	2032.3	1996.7	1955.5	1917.3	1882.1	1850.5	1829.4	1808.3	1829.4	1850.5	1882.1
32.5°	1999.4	1961.7	1917.3	1876.3	1838.7	1805.1	1783.2	1761.3	1783.2	1805.1	1838.7
35°	1941.9	1904.7	1858.5	1812.8	1767.6	1728.4	1707.3	1686.2	1707.3	1728.4	1767.6
37.5°	1826.1	1806.5	1780.6	1742.3	1691.7	1647.7	1623.8	1599.9	1623.8	1647.7	1691.7
40°	1721.4	1720.9	1715.9	1689.3	1641.0	1597.1	1565.9	1534.8	1565.9	1597.1	1641.0
42.5°	1578.1	1607.6	1627.5	1620.5	1586.8	1551.5	1511.5	1471.5	1511.5	1551.5	1586.8
45°	1271.6	1357.7	1459.2	1503.4	1490.3	1468.7	1421.5	1374.3	1421.5	1468.7	1490.3
47.5°	1067.6	1157.3	1267.6	1334.5	1358.0	1364.0	1317.4	1270.8	1317.4	1364.0	1358.0
50°	954.1	1030.7	1124.2	1199.5	1256.8	1288.7	1244.5	1200.3	1244.5	1288.7	1256.8
52.5°	842.2	913.2	994.6	1073.9	1151.3	1199.5	1160.1	1120.7	1160.1	1199.5	1151.3
55°	655.0	736.1	831.6	919.0	998.3	1051.1	1023.9	996.8	1023.9	1051.1	998.3
57.5°	488.8	583.6	695.7	782.6	844.3	885.8	866.7	847.6	866.7	885.8	844.3
60°	403.9	492.0	602.5	685.4	740.6	778.3	763.3	748.2	763.3	778.3	740.6
62.5°	353.0	423.3	514.5	588.6	645.4	684.7	671.2	657.8	671.2	684.7	645.4
65°	302.6	345.1	401.3	459.1	518.4	559.6	546.5	533.4	546.5	559.6	518.4
67.5°	264.2	286.2	315.1	357.8	414.3	453.0	438.8	424.5	438.8	453.0	414.3
70°	236.8	249.4	265.5	300.1	353.4	389.5	374.5	359.4	374.5	389.5	353.4
72.5°	208.1	216.2	226.7	255.3	302.1	333.7	319.4	305.2	319.4	333.7	302.1
75°	167.0	171.0	176.1	195.6	229.8	252.7	241.6	230.6	241.6	252.7	229.8
77.5°	126.8	129.0	131.6	144.1	166.4	181.3	174.3	167.3	174.3	181.3	166.4
80°	101.5	102.5	103.5	111.5	126.6	137.1	134.1	131.1	134.1	137.1	126.6
82.5°	75.9	77.2	78.2	82.6	90.4	96.5	97.5	98.6	97.5	96.5	90.4
85°	33.2	36.9	40.9	44.0	46.0	48.0	50.0	52.0	50.0	48.0	46.0
87.5°	8.6	9.1	9.9	12.2	15.7	18.1	17.3	16.7	17.3	18.0	16.0
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: P1428049

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-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: P1428049

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2137.3	2133.7	2135.3	2136.9	2138.5	2140.1	2138.5	2136.9	2135.3	2133.7	2137.3
5°	2136.1	2132.5	2134.5	2137.8	2144.8	2151.9	2144.8	2137.8	2134.5	2132.5	2136.1
7.5°	2129.2	2126.5	2129.9	2134.6	2143.2	2151.9	2143.2	2134.6	2129.9	2126.5	2129.2
10°	2119.7	2118.2	2123.2	2128.8	2135.8	2142.8	2135.8	2128.8	2123.2	2118.2	2119.7
12.5°	2103.0	2102.7	2109.4	2115.9	2122.1	2128.4	2122.1	2115.9	2109.4	2102.7	2103.0
15°	2077.0	2079.5	2088.6	2096.6	2101.6	2106.7	2101.6	2096.6	2088.6	2079.5	2077.0
17.5°	2050.4	2056.6	2069.4	2080.4	2085.6	2090.8	2085.6	2080.4	2069.4	2056.6	2050.4
20°	2031.1	2040.1	2056.2	2070.8	2080.8	2090.8	2080.8	2070.8	2056.2	2040.1	2031.1
22.5°	2008.6	2022.4	2046.5	2068.9	2086.2	2103.5	2086.2	2068.9	2046.5	2022.4	2008.6
25°	1977.6	2002.2	2037.3	2070.2	2096.4	2122.5	2096.4	2070.2	2037.3	2002.2	1977.6
27.5°	1947.2	1981.8	2021.4	2056.2	2076.9	2097.6	2076.9	2056.2	2021.4	1981.8	1947.2
30°	1917.3	1955.5	1996.7	2032.3	2051.4	2070.5	2051.4	2032.3	1996.7	1955.5	1917.3
32.5°	1876.3	1917.3	1961.7	1999.4	2016.9	2034.3	2016.9	1999.4	1961.7	1917.3	1876.3
35°	1812.8	1858.5	1904.7	1941.9	1952.0	1962.0	1952.0	1941.9	1904.7	1858.5	1812.8
37.5°	1742.3	1780.6	1806.5	1826.1	1826.7	1827.3	1826.7	1826.1	1806.5	1780.6	1742.3
40°	1689.3	1715.9	1720.9	1721.4	1708.3	1695.3	1708.3	1721.4	1720.9	1715.9	1689.3
42.5°	1620.5	1627.5	1607.6	1578.1	1520.1	1462.0	1520.1	1578.1	1607.6	1627.5	1620.5
45°	1503.4	1459.2	1357.7	1271.6	1231.4	1191.2	1231.4	1271.6	1357.7	1459.2	1503.4
47.5°	1334.5	1267.6	1157.3	1067.6	1039.9	1012.2	1039.9	1067.6	1157.3	1267.6	1334.5
50°	1199.5	1124.2	1030.7	954.1	928.0	901.9	928.0	954.1	1030.7	1124.2	1199.5
52.5°	1073.9	994.6	913.2	842.2	802.4	762.6	802.4	842.2	913.2	994.6	1073.9
55°	919.0	831.6	736.1	655.0	616.8	578.7	616.8	655.0	736.1	831.6	919.0
57.5°	782.6	695.7	583.6	488.8	446.0	403.3	446.0	488.8	583.6	695.7	782.6
60°	685.4	602.5	492.0	403.9	382.8	361.7	382.8	403.9	492.0	602.5	685.4
62.5°	588.6	514.5	423.3	353.0	345.6	338.2	345.6	353.0	423.3	514.5	588.6
65°	459.1	401.3	345.1	302.6	301.6	300.6	301.6	302.6	345.1	401.3	459.1
67.5°	357.8	315.1	286.2	264.2	263.0	261.8	263.0	264.2	286.2	315.1	357.8
70°	300.1	265.5	249.4	236.8	234.8	232.8	234.8	236.8	249.4	265.5	300.1
72.5°	255.3	226.7	216.2	208.1	206.9	205.7	206.9	208.1	216.2	226.7	255.3
75°	195.6	176.1	171.0	167.0	166.0	165.0	166.0	167.0	171.0	176.1	195.6
77.5°	144.1	131.6	129.0	126.8	125.8	124.8	125.8	126.8	129.0	131.6	144.1
80°	111.5	103.5	102.5	101.5	100.5	99.5	100.5	101.5	102.5	103.5	111.5
82.5°	82.6	78.2	77.2	75.9	74.1	72.3	74.1	75.9	77.2	78.2	82.6
85°	44.0	40.9	36.9	33.2	30.1	27.1	30.1	33.2	36.9	40.9	44.0
87.5°	12.8	11.4	11.7	11.7	12.3	12.0	12.3	11.7	11.7	11.4	12.8
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: P1428049

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-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: P1428049

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2138.3	2138.3	2138.3	2138.3
2.5°	2146.1	2149.4	2135.7	2122.0
5°	2145.1	2147.6	2130.5	2113.4
7.5°	2138.0	2140.3	2122.8	2105.3
10°	2127.8	2130.0	2115.0	2099.9
12.5°	2110.3	2112.1	2097.9	2083.6
15°	2081.0	2080.8	2067.7	2054.7
17.5°	2050.8	2047.1	2031.2	2015.3
20°	2029.1	2022.8	2003.7	1984.6
22.5°	2004.9	1996.7	1974.4	1952.1
25°	1963.5	1947.4	1925.3	1903.2
27.5°	1917.7	1890.1	1868.2	1846.3
30°	1882.1	1850.5	1829.4	1808.3
32.5°	1838.7	1805.1	1783.2	1761.3
35°	1767.6	1728.4	1707.3	1686.2
37.5°	1691.7	1647.7	1623.8	1599.9
40°	1641.0	1597.1	1565.9	1534.8
42.5°	1586.8	1551.5	1511.5	1471.5
45°	1490.3	1468.7	1421.5	1374.3
47.5°	1358.0	1364.0	1317.4	1270.8
50°	1256.8	1288.7	1244.5	1200.3
52.5°	1151.3	1199.5	1160.1	1120.7
55°	998.3	1051.1	1023.9	996.8
57.5°	844.3	885.8	866.7	847.6
60°	740.6	778.3	763.3	748.2
62.5°	645.4	684.7	671.2	657.8
65°	518.4	559.6	546.5	533.4
67.5°	414.3	453.0	438.8	424.5
70°	353.4	389.5	374.5	359.4
72.5°	302.1	333.7	319.4	305.2
75°	229.8	252.7	241.6	230.6
77.5°	166.4	181.3	174.3	167.3
80°	126.6	137.1	134.1	131.1
82.5°	90.4	96.5	97.5	98.6
85°	46.0	48.0	50.0	52.0
87.5°	16.0	18.0	17.3	16.7
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: P1428049

CATALOG NUMBER: SQ2W-PP3-K-050U-100D-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: P1428049
 CATALOG NUMBER: SQ2W-PP3-K-050U-100D-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	21.52	22.56	22.28	23.33	24.27	17.29	18.33	18.05	19.10	20.05
	3H	22.59	23.52	23.37	24.31	25.28	18.61	19.54	19.39	20.33	21.30
	4H	22.97	23.84	23.77	24.64	25.62	19.18	20.05	19.97	20.85	21.83
	6H	23.17	23.98	23.98	24.78	25.78	19.55	20.35	20.36	21.16	22.16
	8H	23.24	24.00	24.06	24.83	25.83	19.69	20.45	20.50	21.27	22.27
	12H	23.27	23.99	24.09	24.81	25.84	19.73	20.45	20.55	21.27	22.29
4H	2H	21.66	22.53	22.46	23.33	24.31	18.22	19.09	19.02	19.89	20.87
	3H	22.97	23.69	23.78	24.52	25.52	19.66	20.38	20.47	21.21	22.21
	4H	23.49	24.14	24.31	24.97	26.00	20.29	20.94	21.11	21.77	22.80
	6H	23.81	24.37	24.65	25.23	26.26	20.75	21.31	21.59	22.16	23.20
	8H	23.92	24.45	24.77	25.30	26.35	20.92	21.44	21.76	22.29	23.34
	12H	23.98	24.45	24.84	25.32	26.37	20.98	21.45	21.84	22.32	23.37
8H	4H	23.52	24.04	24.36	24.89	25.94	20.61	21.14	21.46	21.99	23.03
	6H	23.94	24.37	24.81	25.26	26.31	21.18	21.61	22.05	22.50	23.55
	8H	24.12	24.50	25.00	25.39	26.45	21.43	21.81	22.31	22.70	23.76
	12H	24.22	24.56	25.10	25.44	26.56	21.53	21.87	22.42	22.75	23.87
12H	4H	23.49	23.96	24.35	24.83	25.88	20.63	21.10	21.49	21.97	23.03
	6H	23.93	24.32	24.81	25.20	26.27	21.24	21.63	22.12	22.52	23.58
	8H	24.13	24.47	25.02	25.35	26.47	21.53	21.87	22.41	22.75	23.86