

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: P1428076

Luminaire Tested: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428076
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

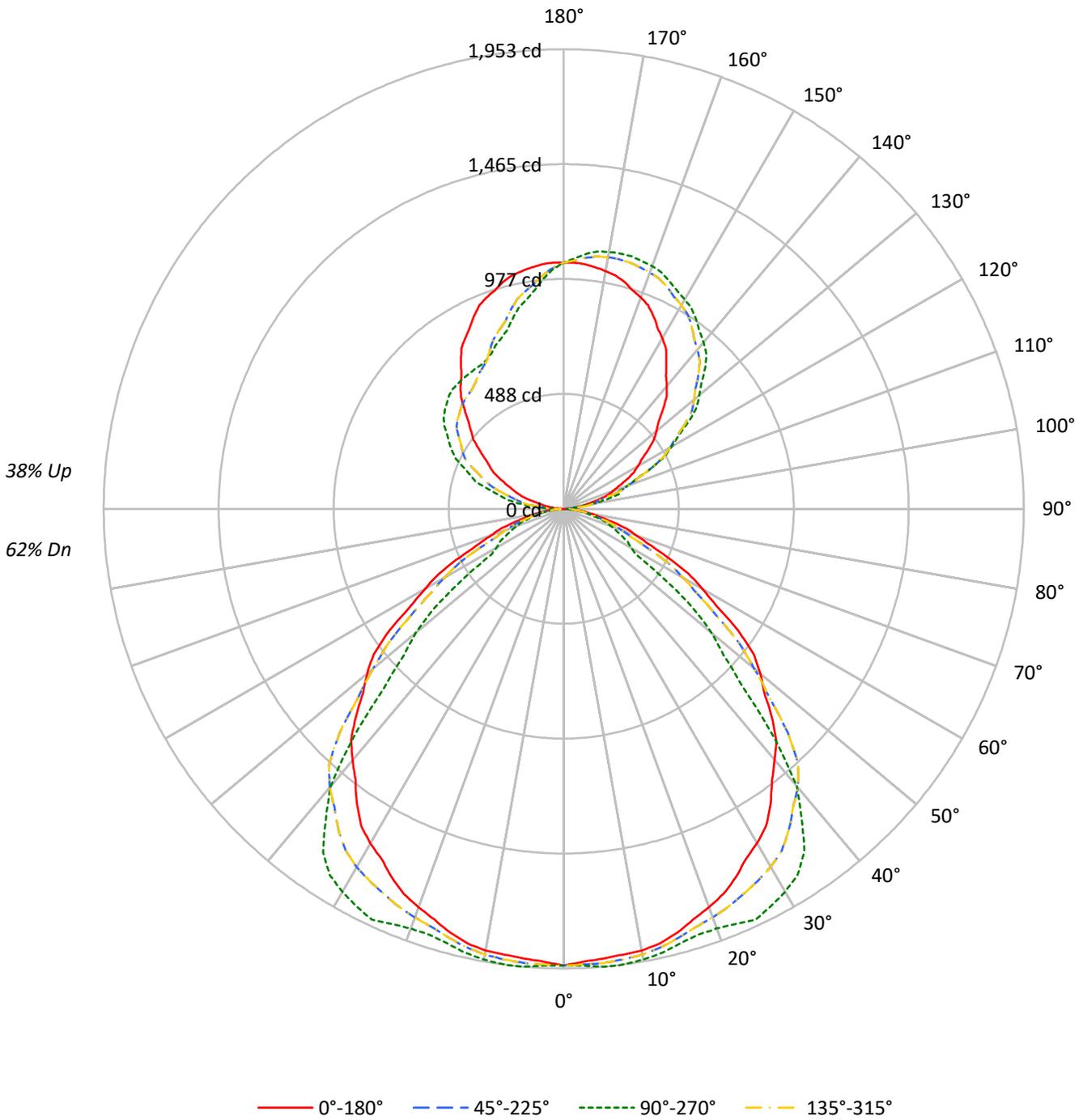
Lumens per Lamp: N/A
Luminaire Lumens: 7946.7 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.2
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	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	90	95	91	88	85	80	77	75	70	68	66	60	59	58	53
2	93	85	79	74	86	80	75	71	71	67	63	62	59	56	54	51	50	46
3	85	76	68	63	79	71	65	60	63	58	54	55	51	48	48	45	43	39
4	78	67	59	54	73	63	56	51	56	51	46	49	45	42	43	40	37	34
5	72	60	52	46	67	57	50	44	50	45	40	45	40	36	39	36	33	30
6	66	54	46	40	62	51	44	39	46	40	35	40	36	32	36	32	29	26
7	61	49	41	36	57	46	39	34	41	36	31	37	32	29	33	29	26	23
8	57	45	37	32	53	42	35	30	38	32	28	34	29	26	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31335	31335	31335	31335
5°	31090	31654	31090	31654
10°	31247	31886	31247	31886
15°	31172	31961	31172	31961
20°	30949	32606	30949	32606
25°	30775	34320	30775	34320
30°	30599	35036	30599	35036
35°	30166	35100	30166	35100
40°	29360	32430	29360	32430
45°	28482	24687	28482	24687
50°	27364	20562	27364	20562
55°	25469	14784	25469	14784
60°	21929	10601	21929	10601
65°	18498	10426	18498	10426
70°	15399	9975	15399	9975
75°	13056	9345	13056	9345
80°	11064	8396	11064	8396
85°	8744	4557	8744	4557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 31156 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	2.3
10°-20°	534.9	6.7
20°-30°	837.9	10.5
30°-40°	1033.6	13.0
40°-50°	973.1	12.2
50°-60°	689.1	8.7
60°-70°	392.6	4.9
70°-80°	194.4	2.4
80°-90°	51.8	0.7
90°-100°	83.3	1.0
100°-110°	242.8	3.1
110°-120°	396.2	5.0
120°-130°	502.8	6.3
130°-140°	538.0	6.8
140°-150°	502.4	6.3
150°-160°	413.4	5.2
160°-170°	277.2	3.5
170°-180°	98.4	1.2
0°-30°	1557.6	19.6
0°-40°	2591.2	32.6
0°-60°	4253.4	53.5
0°-90°	4892.2	61.6
90°-120°	722.3	9.1
90°-150°	2265.4	28.5
90°-180°	3054.0	38.4
0°-180°	7946.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1941	1941	1941	1941	1941	
5°	1918	1953	1918	1953	1918	183
15°	1865	1912	1865	1912	1865	526
25°	1728	1926	1728	1926	1728	796
35°	1530	1781	1530	1781	1530	954
45°	1247	1081	1247	1081	1247	960
55°	905	525	905	525	905	798
65°	484	273	484	273	484	486
75°	209	150	209	150	209	227
85°	47	25	47	25	47	55
90°	3	23	3	45	3	5
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1926.0	1938.4	1950.9	1947.9	1939.9	1936.6	1938.1	1939.5	1941.0	1942.5	1941.0
5°	1918.3	1933.8	1949.3	1947.0	1938.8	1935.6	1937.4	1940.4	1946.7	1953.1	1946.7
7.5°	1910.9	1926.7	1942.6	1940.5	1932.5	1930.1	1933.2	1937.4	1945.3	1953.1	1945.3
10°	1905.9	1919.6	1933.3	1931.2	1924.0	1922.6	1927.1	1932.2	1938.5	1944.9	1938.5
12.5°	1891.2	1904.1	1917.1	1915.4	1908.8	1908.5	1914.6	1920.5	1926.1	1931.8	1926.1
15°	1864.9	1876.8	1888.6	1888.8	1885.2	1887.5	1895.7	1903.0	1907.5	1912.1	1907.5
17.5°	1829.2	1843.6	1858.0	1861.4	1861.0	1866.6	1878.3	1888.3	1893.0	1897.7	1893.0
20°	1801.3	1818.6	1836.0	1841.7	1843.5	1851.7	1866.3	1879.5	1888.6	1897.7	1888.6
22.5°	1771.8	1792.0	1812.3	1819.8	1823.1	1835.6	1857.5	1877.9	1893.5	1909.2	1893.5
25°	1727.5	1747.5	1767.6	1782.2	1794.9	1817.3	1849.2	1879.0	1902.8	1926.5	1902.8
27.5°	1675.8	1695.6	1715.5	1740.6	1767.4	1798.8	1834.7	1866.3	1885.1	1903.9	1885.1
30°	1641.3	1660.4	1679.6	1708.3	1740.2	1774.9	1812.3	1844.6	1861.9	1879.3	1861.9
32.5°	1598.6	1618.5	1638.4	1668.9	1703.0	1740.2	1780.5	1814.7	1830.6	1846.6	1830.6
35°	1530.5	1549.6	1568.8	1604.4	1645.4	1686.9	1728.8	1762.6	1771.7	1780.8	1771.7
37.5°	1452.1	1473.8	1495.5	1535.4	1581.4	1616.1	1639.6	1657.4	1658.0	1658.5	1658.0
40°	1393.0	1421.3	1449.6	1489.5	1533.2	1557.4	1562.0	1562.4	1550.6	1538.7	1550.6
42.5°	1335.6	1371.9	1408.2	1440.2	1470.9	1477.2	1459.1	1432.4	1379.7	1327.0	1379.7
45°	1247.4	1290.2	1333.1	1352.7	1364.5	1324.4	1232.3	1154.1	1117.7	1081.2	1117.7
47.5°	1153.4	1195.7	1238.0	1232.6	1211.3	1150.5	1050.4	969.0	943.9	918.7	943.9
50°	1089.4	1129.5	1169.6	1140.7	1088.7	1020.3	935.5	866.0	842.3	818.6	842.3
52.5°	1017.2	1052.9	1088.7	1045.0	974.7	902.7	828.8	764.4	728.3	692.2	728.3
55°	904.8	929.4	954.0	906.1	834.1	754.8	668.1	594.5	559.9	525.2	559.9
57.5°	769.4	786.7	804.0	766.3	710.4	631.5	529.7	443.7	404.9	366.0	404.9
60°	679.1	692.8	706.4	672.2	622.1	546.9	446.6	366.6	347.4	328.3	347.4
62.5°	597.0	609.2	621.5	585.8	534.2	467.0	384.2	320.4	313.7	306.9	313.7
65°	484.2	496.0	507.9	470.5	416.7	364.3	313.2	274.7	273.8	272.9	273.8
67.5°	385.3	398.2	411.2	376.0	324.7	286.0	259.7	239.8	238.7	237.6	238.7
70°	326.2	339.9	353.6	320.7	272.4	240.9	226.4	215.0	213.1	211.3	213.1
72.5°	277.0	289.9	302.9	274.2	231.7	205.8	196.3	188.9	187.8	186.7	187.8
75°	209.3	219.3	229.3	208.6	177.6	159.8	155.2	151.6	150.7	149.8	150.7
77.5°	151.8	158.2	164.6	151.0	130.8	119.4	117.1	115.1	114.2	113.2	114.2
80°	119.0	121.7	124.5	114.9	101.2	93.9	93.0	92.1	91.2	90.3	91.2
82.5°	89.5	88.5	87.6	82.1	75.0	70.9	70.0	68.9	67.3	65.7	67.3
85°	47.2	45.4	43.5	41.7	39.9	37.2	33.5	30.1	27.4	24.6	27.4
87.5°	15.4	16.3	17.3	15.4	12.4	10.4	9.7	9.4	9.6	9.6	9.6
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1939.5	1938.1	1936.6	1939.9	1947.9	1950.9	1938.4	1926.0	1938.4	1950.9	1947.9
5°	1940.4	1937.4	1935.6	1938.8	1947.0	1949.3	1933.8	1918.3	1933.8	1949.3	1947.0
7.5°	1937.4	1933.2	1930.1	1932.5	1940.5	1942.6	1926.7	1910.9	1926.7	1942.6	1940.5
10°	1932.2	1927.1	1922.6	1924.0	1931.2	1933.3	1919.6	1905.9	1919.6	1933.3	1931.2
12.5°	1920.5	1914.6	1908.5	1908.8	1915.4	1917.1	1904.1	1891.2	1904.1	1917.1	1915.4
15°	1903.0	1895.7	1887.5	1885.2	1888.8	1888.6	1876.8	1864.9	1876.8	1888.6	1888.8
17.5°	1888.3	1878.3	1866.6	1861.0	1861.4	1858.0	1843.6	1829.2	1843.6	1858.0	1861.4
20°	1879.5	1866.3	1851.7	1843.5	1841.7	1836.0	1818.6	1801.3	1818.6	1836.0	1841.7
22.5°	1877.9	1857.5	1835.6	1823.1	1819.8	1812.3	1792.0	1771.8	1792.0	1812.3	1819.8
25°	1879.0	1849.2	1817.3	1794.9	1782.2	1767.6	1747.5	1727.5	1747.5	1767.6	1782.2
27.5°	1866.3	1834.7	1798.8	1767.4	1740.6	1715.5	1695.6	1675.8	1695.6	1715.5	1740.6
30°	1844.6	1812.3	1774.9	1740.2	1708.3	1679.6	1660.4	1641.3	1660.4	1679.6	1708.3
32.5°	1814.7	1780.5	1740.2	1703.0	1668.9	1638.4	1618.5	1598.6	1618.5	1638.4	1668.9
35°	1762.6	1728.8	1686.9	1645.4	1604.4	1568.8	1549.6	1530.5	1549.6	1568.8	1604.4
37.5°	1657.4	1639.6	1616.1	1581.4	1535.4	1495.5	1473.8	1452.1	1473.8	1495.5	1535.4
40°	1562.4	1562.0	1557.4	1533.2	1489.5	1449.6	1421.3	1393.0	1421.3	1449.6	1489.5
42.5°	1432.4	1459.1	1477.2	1470.9	1440.2	1408.2	1371.9	1335.6	1371.9	1408.2	1440.2
45°	1154.1	1232.3	1324.4	1364.5	1352.7	1333.1	1290.2	1247.4	1290.2	1333.1	1352.7
47.5°	969.0	1050.4	1150.5	1211.3	1232.6	1238.0	1195.7	1153.4	1195.7	1238.0	1232.6
50°	866.0	935.5	1020.3	1088.7	1140.7	1169.6	1129.5	1089.4	1129.5	1169.6	1140.7
52.5°	764.4	828.8	902.7	974.7	1045.0	1088.7	1052.9	1017.2	1052.9	1088.7	1045.0
55°	594.5	668.1	754.8	834.1	906.1	954.0	929.4	904.8	929.4	954.0	906.1
57.5°	443.7	529.7	631.5	710.4	766.3	804.0	786.7	769.4	786.7	804.0	766.3
60°	366.6	446.6	546.9	622.1	672.2	706.4	692.8	679.1	692.8	706.4	672.2
62.5°	320.4	384.2	467.0	534.2	585.8	621.5	609.2	597.0	609.2	621.5	585.8
65°	274.7	313.2	364.3	416.7	470.5	507.9	496.0	484.2	496.0	507.9	470.5
67.5°	239.8	259.7	286.0	324.7	376.0	411.2	398.2	385.3	398.2	411.2	376.0
70°	215.0	226.4	240.9	272.4	320.7	353.6	339.9	326.2	339.9	353.6	320.7
72.5°	188.9	196.3	205.8	231.7	274.2	302.9	289.9	277.0	289.9	302.9	274.2
75°	151.6	155.2	159.8	177.6	208.6	229.3	219.3	209.3	219.3	229.3	208.6
77.5°	115.1	117.1	119.4	130.8	151.0	164.6	158.2	151.8	158.2	164.6	151.0
80°	92.1	93.0	93.9	101.2	114.9	124.5	121.7	119.0	121.7	124.5	114.9
82.5°	68.9	70.0	70.9	75.0	82.1	87.6	88.5	89.5	88.5	87.6	82.1
85°	30.1	33.5	37.2	39.9	41.7	43.5	45.4	47.2	45.4	43.5	41.7
87.5°	9.4	9.7	10.4	12.4	15.4	17.3	16.3	15.4	16.3	17.1	15.8
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1428076

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428076

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1939.9	1936.6	1938.1	1939.5	1941.0	1942.5	1941.0	1939.5	1938.1	1936.6	1939.9
5°	1938.8	1935.6	1937.4	1940.4	1946.7	1953.1	1946.7	1940.4	1937.4	1935.6	1938.8
7.5°	1932.5	1930.1	1933.2	1937.4	1945.3	1953.1	1945.3	1937.4	1933.2	1930.1	1932.5
10°	1924.0	1922.6	1927.1	1932.2	1938.5	1944.9	1938.5	1932.2	1927.1	1922.6	1924.0
12.5°	1908.8	1908.5	1914.6	1920.5	1926.1	1931.8	1926.1	1920.5	1914.6	1908.5	1908.8
15°	1885.2	1887.5	1895.7	1903.0	1907.5	1912.1	1907.5	1903.0	1895.7	1887.5	1885.2
17.5°	1861.0	1866.6	1878.3	1888.3	1893.0	1897.7	1893.0	1888.3	1878.3	1866.6	1861.0
20°	1843.5	1851.7	1866.3	1879.5	1888.6	1897.7	1888.6	1879.5	1866.3	1851.7	1843.5
22.5°	1823.1	1835.6	1857.5	1877.9	1893.5	1909.2	1893.5	1877.9	1857.5	1835.6	1823.1
25°	1794.9	1817.3	1849.2	1879.0	1902.8	1926.5	1902.8	1879.0	1849.2	1817.3	1794.9
27.5°	1767.4	1798.8	1834.7	1866.3	1885.1	1903.9	1885.1	1866.3	1834.7	1798.8	1767.4
30°	1740.2	1774.9	1812.3	1844.6	1861.9	1879.3	1861.9	1844.6	1812.3	1774.9	1740.2
32.5°	1703.0	1740.2	1780.5	1814.7	1830.6	1846.4	1830.6	1814.7	1780.5	1740.2	1703.0
35°	1645.4	1686.9	1728.8	1762.6	1771.7	1780.8	1771.7	1762.6	1728.8	1686.9	1645.4
37.5°	1581.4	1616.1	1639.6	1657.4	1658.0	1658.5	1658.0	1657.4	1639.6	1616.1	1581.4
40°	1533.2	1557.4	1562.0	1562.4	1550.6	1538.7	1550.6	1562.4	1562.0	1557.4	1533.2
42.5°	1470.9	1477.2	1459.1	1432.4	1379.7	1327.0	1379.7	1432.4	1459.1	1477.2	1470.9
45°	1364.5	1324.4	1232.3	1154.1	1117.7	1081.2	1117.7	1154.1	1232.3	1324.4	1364.5
47.5°	1211.3	1150.5	1050.4	969.0	943.9	918.7	943.9	969.0	1050.4	1150.5	1211.3
50°	1088.7	1020.3	935.5	866.0	842.3	818.6	842.3	866.0	935.5	1020.3	1088.7
52.5°	974.7	902.7	828.8	764.4	728.3	692.2	728.3	764.4	828.8	902.7	974.7
55°	834.1	754.8	668.1	594.5	559.9	525.2	559.9	594.5	668.1	754.8	834.1
57.5°	710.4	631.5	529.7	443.7	404.9	366.0	404.9	443.7	529.7	631.5	710.4
60°	622.1	546.9	446.6	366.6	347.4	328.3	347.4	366.6	446.6	546.9	622.1
62.5°	534.2	467.0	384.2	320.4	313.7	306.9	313.7	320.4	384.2	467.0	534.2
65°	416.7	364.3	313.2	274.7	273.8	272.9	273.8	274.7	313.2	364.3	416.7
67.5°	324.7	286.0	259.7	239.8	238.7	237.6	238.7	239.8	259.7	286.0	324.7
70°	272.4	240.9	226.4	215.0	213.1	211.3	213.1	215.0	226.4	240.9	272.4
72.5°	231.7	205.8	196.3	188.9	187.8	186.7	187.8	188.9	196.3	205.8	231.7
75°	177.6	159.8	155.2	151.6	150.7	149.8	150.7	151.6	155.2	159.8	177.6
77.5°	130.8	119.4	117.1	115.1	114.2	113.2	114.2	115.1	117.1	119.4	130.8
80°	101.2	93.9	93.0	92.1	91.2	90.3	91.2	92.1	93.0	93.9	101.2
82.5°	75.0	70.9	70.0	68.9	67.3	65.7	67.3	68.9	70.0	70.9	75.0
85°	39.9	37.2	33.5	30.1	27.4	24.6	27.4	30.1	33.5	37.2	39.9
87.5°	13.2	12.5	13.3	13.6	14.4	14.0	14.4	13.6	13.3	12.5	13.2
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	187.9	171.4	151.5	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1428076

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428076

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1940.8	1940.8	1940.8	1940.8
2.5°	1947.9	1950.9	1938.4	1926.0
5°	1947.0	1949.3	1933.8	1918.3
7.5°	1940.5	1942.6	1926.7	1910.9
10°	1931.2	1933.3	1919.6	1905.9
12.5°	1915.4	1917.1	1904.1	1891.2
15°	1888.8	1888.6	1876.8	1864.9
17.5°	1861.4	1858.0	1843.6	1829.2
20°	1841.7	1836.0	1818.6	1801.3
22.5°	1819.8	1812.3	1792.0	1771.8
25°	1782.2	1767.6	1747.5	1727.5
27.5°	1740.6	1715.5	1695.6	1675.8
30°	1708.3	1679.6	1660.4	1641.3
32.5°	1668.9	1638.4	1618.5	1598.6
35°	1604.4	1568.8	1549.6	1530.5
37.5°	1535.4	1495.5	1473.8	1452.1
40°	1489.5	1449.6	1421.3	1393.0
42.5°	1440.2	1408.2	1371.9	1335.6
45°	1352.7	1333.1	1290.2	1247.4
47.5°	1232.6	1238.0	1195.7	1153.4
50°	1140.7	1169.6	1129.5	1089.4
52.5°	1045.0	1088.7	1052.9	1017.2
55°	906.1	954.0	929.4	904.8
57.5°	766.3	804.0	786.7	769.4
60°	672.2	706.4	692.8	679.1
62.5°	585.8	621.5	609.2	597.0
65°	470.5	507.9	496.0	484.2
67.5°	376.0	411.2	398.2	385.3
70°	320.7	353.6	339.9	326.2
72.5°	274.2	302.9	289.9	277.0
75°	208.6	229.3	219.3	209.3
77.5°	151.0	164.6	158.2	151.8
80°	114.9	124.5	121.7	119.0
82.5°	82.1	87.6	88.5	89.5
85°	41.7	43.5	45.4	47.2
87.5°	15.8	17.1	16.3	15.4
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1

TEST NUMBER: P1428076

CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428076
 CATALOG NUMBER: SQ2W-PP3-K-075U-100D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.44	21.37	21.30	22.25	23.35	16.21	17.14	17.07	18.02	19.12
	3H	21.50	22.34	22.38	23.22	24.35	17.53	18.36	18.40	19.24	20.37
	4H	21.88	22.66	22.76	23.55	24.69	18.09	18.87	18.97	19.76	20.90
	6H	22.07	22.80	22.97	23.70	24.84	18.45	19.18	19.35	20.08	21.22
	8H	22.14	22.83	23.05	23.74	24.89	18.58	19.27	19.49	20.19	21.34
	12H	22.16	22.82	23.07	23.73	24.90	18.62	19.28	19.53	20.19	21.36
4H	2H	20.57	21.35	21.46	22.24	23.38	17.13	17.92	18.02	18.81	19.94
	3H	21.87	22.52	22.77	23.44	24.59	18.56	19.21	19.46	20.13	21.28
	4H	22.38	22.97	23.29	23.89	25.07	19.18	19.77	20.10	20.69	21.87
	6H	22.70	23.21	23.63	24.15	25.33	19.63	20.14	20.56	21.08	22.26
	8H	22.81	23.28	23.74	24.22	25.41	19.80	20.28	20.73	21.22	22.41
	12H	22.86	23.29	23.81	24.24	25.44	19.86	20.29	20.81	21.24	22.44
8H	4H	22.40	22.88	23.33	23.82	25.01	19.50	19.97	20.43	20.91	22.10
	6H	22.82	23.21	23.78	24.19	25.38	20.06	20.45	21.02	21.43	22.62
	8H	23.00	23.35	23.96	24.32	25.52	20.31	20.66	21.27	21.62	22.83
	12H	23.10	23.41	24.07	24.37	25.62	20.41	20.72	21.38	21.68	22.94
12H	4H	22.37	22.79	23.32	23.75	24.95	19.51	19.94	20.46	20.90	22.09
	6H	22.81	23.16	23.78	24.13	25.34	20.12	20.47	21.09	21.44	22.65
	8H	23.01	23.32	23.98	24.28	25.54	20.40	20.71	21.37	21.67	22.93