

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427524

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427524
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-075U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

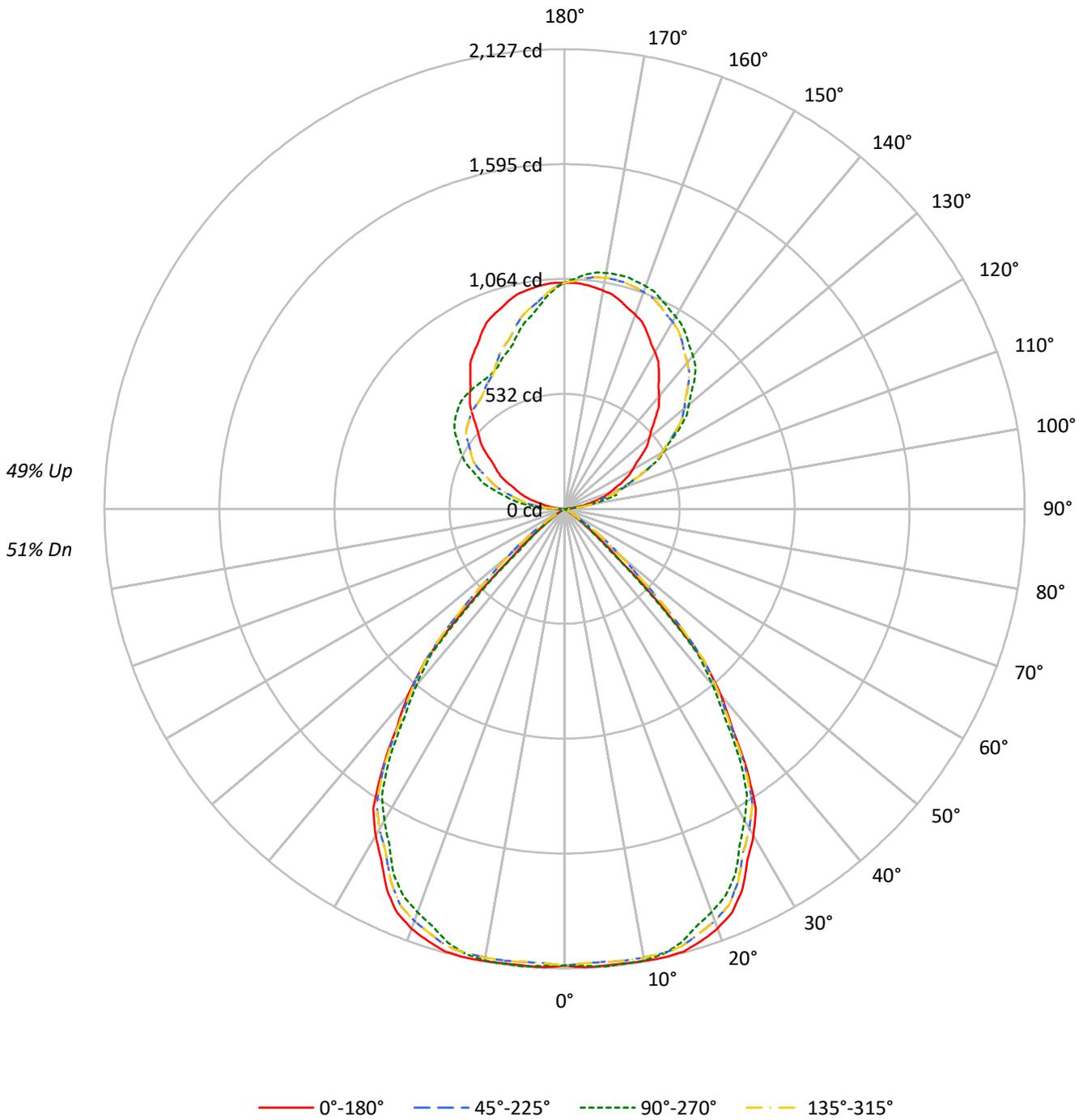
Lumens per Lamp: N/A
Luminaire Lumens: 6219.4 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 51.2
Input Voltage (V): 120
Input Current (A_{in}): 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

TEST NUMBER: P1427524

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

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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	100	96	93	90	92	89	87	84	76	75	73	64	63	62	53	53	52	47
2	93	87	82	77	86	81	76	73	70	66	64	59	57	55	50	48	47	43
3	86	78	72	67	80	73	68	63	63	59	56	54	52	49	46	44	43	39
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	40	39	35
5	74	64	57	52	69	60	54	50	53	48	45	46	43	40	40	37	35	32
6	69	59	51	46	64	55	49	44	49	44	40	42	39	36	37	34	32	29
7	64	54	46	42	60	50	44	40	45	40	36	39	36	33	34	31	29	27
8	60	49	42	37	56	46	40	36	41	36	33	36	33	30	32	29	27	25
9	56	45	39	34	53	43	37	33	38	33	30	34	30	27	30	27	25	23
10	53	42	35	31	49	40	34	30	35	31	27	32	28	25	28	25	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34140	34140	34140	34140
5°	34406	34458	34406	34458
10°	34840	34788	34840	34788
15°	35468	34761	35468	34761
20°	35513	34132	35513	34132
25°	34635	33278	34635	33278
30°	32559	31039	32559	31039
35°	28897	27813	28897	27813
40°	23698	22428	23698	22428
45°	14129	13259	14129	13259
50°	4411	4172	4411	4172
55°	1666	1666	1666	1666
60°	103	36	103	36
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16543 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	3.3
10°-20°	592.2	9.5
20°-30°	871.3	14.0
30°-40°	890.5	14.3
40°-50°	513.0	8.2
50°-60°	88.3	1.4
60°-70°	3.2	0.1
70°-80°	0.0	0.0
80°-90°	5.5	0.1
90°-100°	83.3	1.3
100°-110°	242.8	3.9
110°-120°	396.2	6.4
120°-130°	502.8	8.1
130°-140°	538.0	8.7
140°-150°	502.4	8.1
150°-160°	413.4	6.6
160°-170°	277.2	4.5
170°-180°	98.4	1.6
0°-30°	1665.7	26.8
0°-40°	2556.2	41.1
0°-60°	3157.4	50.8
0°-90°	3166.2	50.9
90°-120°	722.3	11.6
90°-150°	2265.4	36.4
90°-180°	3054.0	49.1
0°-180°	6219.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2114	2114	2114	2114	2114	
5°	2123	2126	2123	2126	2123	203
15°	2122	2080	2122	2080	2122	597
25°	1944	1868	1944	1868	1944	887
35°	1466	1411	1466	1411	1466	906
45°	619	581	619	581	619	479
55°	59	59	59	59	59	63
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	23	3	45	3	3
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	



TEST NUMBER: P1427524

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2123.8	2121.1	2118.5	2112.2	2104.7	2105.3	2113.9	2119.9	2118.0	2116.2	2118.0
5°	2122.9	2120.6	2118.2	2111.7	2103.7	2106.0	2118.7	2128.0	2127.0	2126.1	2127.0
7.5°	2121.7	2120.1	2118.5	2113.8	2108.2	2110.6	2121.0	2128.3	2125.9	2123.6	2125.9
10°	2125.1	2124.6	2124.1	2116.9	2107.5	2108.2	2119.1	2126.6	2124.2	2121.9	2124.2
12.5°	2126.7	2129.7	2132.6	2122.3	2107.6	2104.6	2113.1	2118.5	2114.3	2110.0	2114.3
15°	2121.9	2129.9	2137.9	2123.3	2101.2	2090.9	2092.3	2091.8	2085.7	2079.6	2085.7
17.5°	2098.2	2109.5	2120.7	2101.5	2072.1	2054.8	2049.6	2043.6	2034.9	2026.3	2034.9
20°	2066.9	2080.0	2093.2	2072.2	2039.7	2019.0	2010.1	2001.5	1994.0	1986.5	1994.0
22.5°	2022.9	2034.9	2046.9	2026.7	1995.8	1974.8	1963.6	1953.7	1947.7	1941.6	1947.7
25°	1944.2	1952.2	1960.2	1939.6	1909.5	1890.2	1881.8	1874.6	1871.3	1868.0	1871.3
27.5°	1832.7	1834.9	1837.2	1820.8	1798.3	1781.7	1771.2	1762.2	1758.0	1753.8	1758.0
30°	1746.4	1746.4	1746.4	1733.7	1716.8	1702.7	1691.4	1680.9	1672.9	1664.9	1672.9
32.5°	1645.7	1644.5	1643.4	1634.1	1622.1	1609.8	1597.4	1586.1	1578.1	1570.1	1578.1
35°	1466.1	1471.2	1476.4	1469.9	1459.6	1448.3	1436.1	1425.2	1418.1	1411.1	1418.1
37.5°	1271.6	1273.6	1275.6	1270.2	1262.4	1251.9	1238.8	1227.4	1221.5	1215.6	1221.5
40°	1124.4	1124.9	1125.3	1118.8	1109.8	1100.7	1091.3	1082.0	1073.0	1064.1	1073.0
42.5°	952.6	962.1	971.6	967.6	959.0	947.2	932.2	920.0	916.3	912.6	916.3
45°	618.8	660.6	702.5	717.9	724.5	719.3	702.4	677.6	629.1	580.7	629.1
47.5°	311.0	363.1	415.2	451.2	482.0	473.2	425.0	376.0	324.8	273.5	324.8
50°	175.6	206.6	237.6	285.9	340.0	331.1	259.2	200.9	183.5	166.1	183.5
52.5°	117.2	130.9	144.7	183.6	230.9	227.7	174.2	131.7	121.8	111.9	121.8
55°	59.2	63.0	66.8	83.9	105.5	105.1	82.5	64.9	62.1	59.2	62.1
57.5°	20.1	25.2	30.3	37.9	46.3	46.6	38.6	31.4	26.8	22.2	26.8
60°	3.2	7.9	12.6	18.7	25.3	24.6	16.6	9.5	5.3	1.1	5.3
62.5°	0.6	2.0	3.3	8.3	14.5	14.3	7.8	2.7	1.4	0.2	1.4
65°	0.0	0.0	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	1.5	2.5	3.4	4.0	4.2	4.2	4.4	4.6	4.6	4.6
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



TEST NUMBER: P1427524

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

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°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2119.9	2113.9	2105.3	2104.7	2112.2	2118.5	2121.1	2123.8	2121.1	2118.5	2112.2
5°	2128.0	2118.7	2106.0	2103.7	2111.7	2118.2	2120.6	2122.9	2120.6	2118.2	2111.7
7.5°	2128.3	2121.0	2110.6	2108.2	2113.8	2118.5	2120.1	2121.7	2120.1	2118.5	2113.8
10°	2126.6	2119.1	2108.2	2107.5	2116.9	2124.1	2124.6	2125.1	2124.6	2124.1	2116.9
12.5°	2118.5	2113.1	2104.6	2107.6	2122.3	2132.6	2129.7	2126.7	2129.7	2132.6	2122.3
15°	2091.8	2092.3	2090.9	2101.2	2123.3	2137.9	2129.9	2121.9	2129.9	2137.9	2123.3
17.5°	2043.6	2049.6	2054.8	2072.1	2101.5	2120.7	2109.5	2098.2	2109.5	2120.7	2101.5
20°	2001.5	2010.1	2019.0	2039.7	2072.2	2093.2	2080.0	2066.9	2080.0	2093.2	2072.2
22.5°	1953.7	1963.6	1974.8	1995.8	2026.7	2046.9	2034.9	2022.9	2034.9	2046.9	2026.7
25°	1874.6	1881.8	1890.2	1909.5	1939.6	1960.2	1952.2	1944.2	1952.2	1960.2	1939.6
27.5°	1762.2	1771.2	1781.7	1798.3	1820.8	1837.2	1834.9	1832.7	1834.9	1837.2	1820.8
30°	1680.9	1691.4	1702.7	1716.8	1733.7	1746.4	1746.4	1746.4	1746.4	1746.4	1733.7
32.5°	1586.1	1597.4	1609.8	1622.1	1634.1	1643.4	1644.5	1645.7	1644.5	1643.4	1634.1
35°	1425.2	1436.1	1448.3	1459.6	1469.9	1476.4	1471.2	1466.1	1471.2	1476.4	1469.9
37.5°	1227.4	1238.8	1251.9	1262.4	1270.2	1275.6	1273.6	1271.6	1273.6	1275.6	1270.2
40°	1082.0	1091.3	1100.7	1109.8	1118.8	1125.3	1124.9	1124.4	1124.9	1125.3	1118.8
42.5°	920.0	932.2	947.2	959.0	967.6	971.6	962.1	952.6	962.1	971.6	967.6
45°	677.6	702.4	719.3	724.5	717.9	702.5	660.6	618.8	660.6	702.5	717.9
47.5°	376.0	425.0	473.2	482.0	451.2	415.2	363.1	311.0	363.1	415.2	451.2
50°	200.9	259.2	331.1	340.0	285.9	237.6	206.6	175.6	206.6	237.6	285.9
52.5°	131.7	174.2	227.7	230.9	183.6	144.7	130.9	117.2	130.9	144.7	183.6
55°	64.9	82.5	105.1	105.5	83.9	66.8	63.0	59.2	63.0	66.8	83.9
57.5°	31.4	38.6	46.6	46.3	37.9	30.3	25.2	20.1	25.2	30.3	37.9
60°	9.5	16.6	24.6	25.3	18.7	12.6	7.9	3.2	7.9	12.6	18.7
62.5°	2.7	7.8	14.3	14.5	8.3	3.3	2.0	0.6	2.0	3.3	8.3
65°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	4.2	4.2	4.0	3.4	2.5	1.5	0.6	1.5	2.3	3.8
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: P1427524

CATALOG NUMBER: SQ2W-BBM-K-075U-075D-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: P1427524

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2104.7	2105.3	2113.9	2119.9	2118.0	2116.2	2118.0	2119.9	2113.9	2105.3	2104.7
5°	2103.7	2106.0	2118.7	2128.0	2127.0	2126.1	2127.0	2128.0	2118.7	2106.0	2103.7
7.5°	2108.2	2110.6	2121.0	2128.3	2125.9	2123.6	2125.9	2128.3	2121.0	2110.6	2108.2
10°	2107.5	2108.2	2119.1	2126.6	2124.2	2121.9	2124.2	2126.6	2119.1	2108.2	2107.5
12.5°	2107.6	2104.6	2113.1	2118.5	2114.3	2110.0	2114.3	2118.5	2113.1	2104.6	2107.6
15°	2101.2	2090.9	2092.3	2091.8	2085.7	2079.6	2085.7	2091.8	2092.3	2090.9	2101.2
17.5°	2072.1	2054.8	2049.6	2043.6	2034.9	2026.3	2034.9	2043.6	2049.6	2054.8	2072.1
20°	2039.7	2019.0	2010.1	2001.5	1994.0	1986.5	1994.0	2001.5	2010.1	2019.0	2039.7
22.5°	1995.8	1974.8	1963.6	1953.7	1947.7	1941.6	1947.7	1953.7	1963.6	1974.8	1995.8
25°	1909.5	1890.2	1881.8	1874.6	1871.3	1868.0	1871.3	1874.6	1881.8	1890.2	1909.5
27.5°	1798.3	1781.7	1771.2	1762.2	1758.0	1753.8	1758.0	1762.2	1771.2	1781.7	1798.3
30°	1716.8	1702.7	1691.4	1680.9	1672.9	1664.9	1672.9	1680.9	1691.4	1702.7	1716.8
32.5°	1622.1	1609.8	1597.4	1586.1	1578.1	1570.1	1578.1	1586.1	1597.4	1609.8	1622.1
35°	1459.6	1448.3	1436.1	1425.2	1418.1	1411.1	1418.1	1425.2	1436.1	1448.3	1459.6
37.5°	1262.4	1251.9	1238.8	1227.4	1221.5	1215.6	1221.5	1227.4	1238.8	1251.9	1262.4
40°	1109.8	1100.7	1091.3	1082.0	1073.0	1064.1	1073.0	1082.0	1091.3	1100.7	1109.8
42.5°	959.0	947.2	932.2	920.0	916.3	912.6	916.3	920.0	932.2	947.2	959.0
45°	724.5	719.3	702.4	677.6	629.1	580.7	629.1	677.6	702.4	719.3	724.5
47.5°	482.0	473.2	425.0	376.0	324.8	273.5	324.8	376.0	425.0	473.2	482.0
50°	340.0	331.1	259.2	200.9	183.5	166.1	183.5	200.9	259.2	331.1	340.0
52.5°	230.9	227.7	174.2	131.7	121.8	111.9	121.8	131.7	174.2	227.7	230.9
55°	105.5	105.1	82.5	64.9	62.1	59.2	62.1	64.9	82.5	105.1	105.5
57.5°	46.3	46.6	38.6	31.4	26.8	22.2	26.8	31.4	38.6	46.6	46.3
60°	25.3	24.6	16.6	9.5	5.3	1.1	5.3	9.5	16.6	24.6	25.3
62.5°	14.5	14.3	7.8	2.7	1.4	0.2	1.4	2.7	7.8	14.3	14.5
65°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	6.3	7.8	8.7	9.5	9.1	9.5	8.7	7.8	6.3	4.9
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	197.8	187.9	171.4	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: P1427524

CATALOG NUMBER: SQ2W-BBM-K-075U-075D-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: P1427524

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2114.5	2114.5	2114.5	2114.5
2.5°	2112.2	2118.5	2121.1	2123.8
5°	2111.7	2118.2	2120.6	2122.9
7.5°	2113.8	2118.5	2120.1	2121.7
10°	2116.9	2124.1	2124.6	2125.1
12.5°	2122.3	2132.6	2129.7	2126.7
15°	2123.3	2137.9	2129.9	2121.9
17.5°	2101.5	2120.7	2109.5	2098.2
20°	2072.2	2093.2	2080.0	2066.9
22.5°	2026.7	2046.9	2034.9	2022.9
25°	1939.6	1960.2	1952.2	1944.2
27.5°	1820.8	1837.2	1834.9	1832.7
30°	1733.7	1746.4	1746.4	1746.4
32.5°	1634.1	1643.4	1644.5	1645.7
35°	1469.9	1476.4	1471.2	1466.1
37.5°	1270.2	1275.6	1273.6	1271.6
40°	1118.8	1125.3	1124.9	1124.4
42.5°	967.6	971.6	962.1	952.6
45°	717.9	702.5	660.6	618.8
47.5°	451.2	415.2	363.1	311.0
50°	285.9	237.6	206.6	175.6
52.5°	183.6	144.7	130.9	117.2
55°	83.9	66.8	63.0	59.2
57.5°	37.9	30.3	25.2	20.1
60°	18.7	12.6	7.9	3.2
62.5°	8.3	3.3	2.0	0.6
65°	0.4	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	3.8	2.3	1.5	0.6
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: P1427524

CATALOG NUMBER: SQ2W-BBM-K-075U-075D-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: P1427524
 CATALOG NUMBER: SQ2W-BBM-K-075U-075D-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	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	1.14
	3H	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.89
	4H	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.76
	6H	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.62
	8H	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.54
	12H	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.47
4H	2H	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.77
	3H	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.51
	4H	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.37
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00