

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: P1428407

Luminaire Tested: SQ2W-PW1-K-075U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428407
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-075U-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

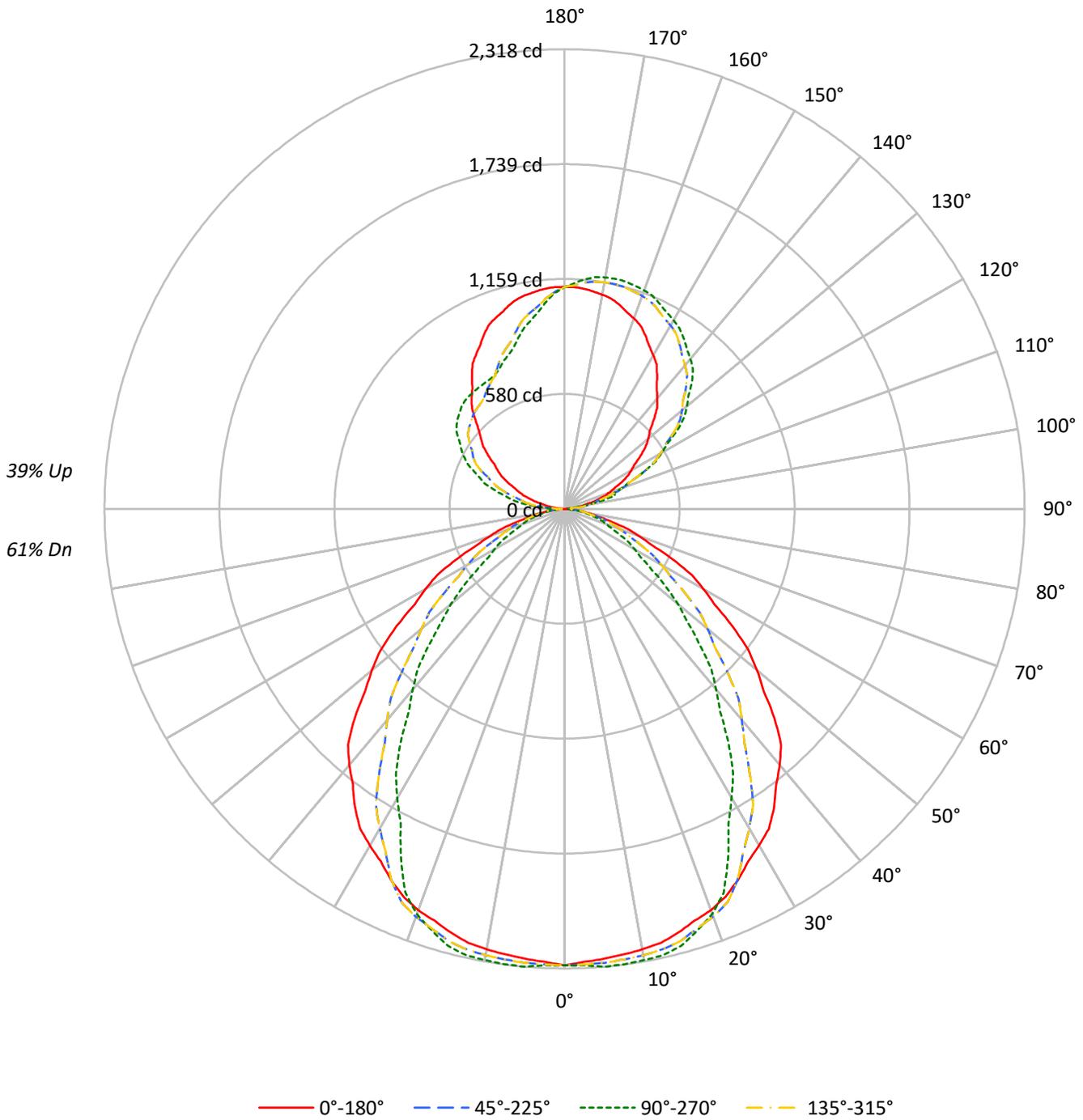
Lumens per Lamp: N/A
Luminaire Lumens: 8378.9 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 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	50	30	10	0	
RCR																						
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61	
1	101	97	93	90	94	91	88	85	80	77	75	69	68	66	60	58	57	57	57	57	53	
2	93	85	79	75	86	80	75	71	71	67	63	62	59	56	53	51	49	49	49	49	45	
3	85	76	69	63	79	71	65	60	63	58	54	55	51	48	48	45	43	43	43	43	39	
4	78	67	60	54	73	64	57	51	56	51	47	50	45	42	43	40	37	37	37	37	34	
5	72	61	53	47	67	57	50	45	51	45	41	45	40	37	39	36	33	33	33	33	30	
6	66	55	47	41	62	52	44	39	46	40	36	41	36	33	36	32	29	29	29	29	27	
7	62	50	42	36	58	47	40	35	42	36	32	37	33	29	33	29	26	26	26	26	24	
8	57	45	38	32	54	43	36	31	38	33	29	34	30	26	30	27	24	24	24	24	22	
9	54	41	34	29	50	39	33	28	35	30	26	32	27	24	28	24	22	22	22	22	20	
10	50	38	31	26	47	36	30	25	33	27	23	29	25	22	26	22	20	20	20	20	18	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	37177	37177	37177	37177
5°	36928	37568	36928	37568
10°	36996	37895	36996	37895
15°	36986	38122	36986	38122
20°	37001	37377	37001	37377
25°	36801	34730	36801	34730
30°	36550	31399	36550	31399
35°	36265	28355	36265	28355
40°	35543	25052	35543	25052
45°	34149	21881	34149	21881
50°	31782	18728	31782	18728
55°	29075	15186	29075	15186
60°	26059	13100	26059	13100
65°	22788	11644	22788	11644
70°	18632	10560	18632	10560
75°	14504	9713	14504	9713
80°	10804	8563	10804	8563
85°	7317	4872	7317	4872

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34149 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	2.6
10°-20°	635.3	7.6
20°-30°	934.9	11.2
30°-40°	1022.2	12.2
40°-50°	917.0	10.9
50°-60°	684.0	8.2
60°-70°	432.3	5.2
70°-80°	214.2	2.6
80°-90°	54.8	0.7
90°-100°	89.0	1.1
100°-110°	259.5	3.1
110°-120°	423.5	5.1
120°-130°	537.4	6.4
130°-140°	575.1	6.9
140°-150°	537.0	6.4
150°-160°	441.9	5.3
160°-170°	296.3	3.5
170°-180°	105.2	1.3
0°-30°	1789.5	21.4
0°-40°	2811.7	33.6
0°-60°	4412.7	52.7
0°-90°	5114.0	61.0
90°-120°	772.0	9.2
90°-150°	2421.5	28.9
90°-180°	3265.0	39.0
0°-180°	8378.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2303	2303	2303	2303	2303	
5°	2278	2318	2278	2318	2278	217
15°	2213	2281	2213	2281	2213	625
25°	2066	1950	2066	1950	2066	951
35°	1840	1439	1840	1439	1840	1147
45°	1496	958	1496	958	1496	1147
55°	1033	540	1033	540	1033	922
65°	596	305	596	305	596	591
75°	232	156	232	156	232	256
85°	40	26	40	26	40	50
90°	3	25	3	49	3	4
95°	35	26	35	152	35	42
105°	165	264	165	364	165	175
115°	316	438	316	540	316	312
125°	468	695	468	662	468	418
135°	636	909	636	733	636	491
145°	812	1048	812	749	812	508
155°	965	1138	965	777	965	443
165°	1066	1187	1066	894	1066	300
175°	1115	1162	1115	1049	1115	106
180°	1118	1118	1118	1118	1118	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6
2.5°	2286.8	2300.1	2313.3	2310.2	2301.6	2297.7	2298.5	2299.7	2302.0	2304.4	2302.0
5°	2278.5	2295.1	2311.6	2309.2	2300.4	2296.5	2297.5	2300.4	2309.2	2318.0	2309.2
7.5°	2267.1	2283.8	2300.6	2299.8	2293.2	2291.5	2294.9	2299.5	2308.1	2316.6	2308.1
10°	2256.6	2274.1	2291.6	2291.6	2285.8	2285.3	2290.2	2295.8	2303.6	2311.4	2303.6
12.5°	2242.5	2260.8	2279.2	2280.5	2276.2	2276.9	2282.6	2288.8	2296.6	2304.4	2296.6
15°	2212.7	2232.2	2251.7	2255.8	2254.9	2257.8	2264.6	2270.9	2275.8	2280.7	2275.8
17.5°	2178.1	2197.5	2217.0	2220.9	2219.5	2219.7	2221.5	2223.4	2225.7	2228.1	2225.7
20°	2153.5	2173.0	2192.5	2195.2	2192.2	2187.4	2180.5	2175.4	2175.4	2175.4	2175.4
22.5°	2118.4	2139.5	2160.5	2160.7	2153.8	2141.2	2122.6	2107.2	2101.0	2094.7	2101.0
25°	2065.8	2086.2	2106.7	2097.2	2077.7	2049.0	2010.9	1978.8	1964.2	1949.5	1964.2
27.5°	2004.4	2020.9	2037.5	2012.7	1974.1	1927.8	1873.8	1828.2	1808.0	1787.7	1808.0
30°	1960.5	1973.2	1985.8	1946.6	1890.1	1832.1	1772.6	1723.2	1703.7	1684.2	1703.7
32.5°	1914.9	1919.8	1924.6	1872.9	1802.4	1736.2	1674.4	1622.8	1601.7	1580.7	1601.7
35°	1839.9	1831.1	1822.4	1753.6	1664.9	1589.4	1527.0	1475.6	1457.1	1438.6	1457.1
37.5°	1751.3	1725.2	1699.1	1621.6	1527.1	1447.2	1381.9	1327.8	1307.3	1286.8	1307.3
40°	1686.4	1649.4	1612.3	1529.2	1430.8	1348.9	1283.6	1229.5	1209.1	1188.6	1209.1
42.5°	1614.5	1568.1	1521.7	1436.2	1337.8	1255.9	1190.6	1136.3	1115.1	1093.8	1115.1
45°	1495.6	1441.0	1386.4	1297.5	1197.1	1115.2	1051.9	999.3	978.8	958.3	978.8
47.5°	1361.8	1307.6	1253.4	1164.8	1064.6	983.8	922.4	871.9	854.4	836.8	854.4
50°	1265.3	1212.7	1160.1	1075.3	979.8	901.3	839.9	788.5	767.0	745.6	767.0
52.5°	1167.1	1119.9	1072.7	991.1	897.9	819.8	756.9	702.3	673.1	643.9	673.1
55°	1032.9	988.1	943.2	866.2	778.5	699.6	629.4	572.6	556.0	539.5	556.0
57.5°	894.7	855.9	817.1	747.9	668.6	597.1	533.3	482.1	468.5	454.8	468.5
60°	807.0	772.9	738.8	672.5	595.5	530.2	476.6	433.0	419.3	405.7	419.3
62.5°	722.8	692.6	662.4	598.8	524.2	465.5	422.8	388.0	376.7	365.3	376.7
65°	596.5	574.1	551.7	499.3	436.9	388.2	353.1	324.3	314.6	304.8	314.6
67.5°	473.7	461.2	448.7	409.5	361.4	321.9	291.1	266.4	259.9	253.5	259.9
70°	394.7	390.8	386.9	354.5	312.6	279.0	253.7	233.4	228.6	223.7	228.6
72.5°	326.3	327.9	329.4	302.5	266.0	237.9	218.0	202.2	198.9	195.6	198.9
75°	232.5	240.3	248.0	230.3	203.9	184.0	170.3	159.6	157.6	155.7	157.6
77.5°	158.3	170.0	181.7	170.2	150.9	136.2	126.0	118.0	116.5	114.9	116.5
80°	116.2	127.9	139.6	131.6	117.0	105.7	98.0	92.1	92.1	92.1	92.1
82.5°	81.1	90.5	99.9	94.2	83.4	76.1	72.2	69.3	69.3	69.3	69.3
85°	39.5	44.3	49.2	47.5	43.6	38.7	32.9	28.3	27.3	26.3	27.3
87.5°	11.2	14.4	17.9	16.5	13.3	11.1	10.4	10.0	10.2	10.2	10.2
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.8	24.8	24.8
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.2	29.4	29.4	29.4
95°	35.0	38.4	57.6	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.8	75.0	100.5	106.2	102.6	83.6	70.3	62.8	59.4	62.8
100°	94.9	97.1	103.9	105.0	133.3	160.4	146.8	129.9	124.2	120.9	124.2
102.5°	122.9	124.2	134.6	139.4	145.9	161.3	208.3	203.1	199.2	198.6	199.2
105°	164.9	166.0	185.2	194.3	198.8	198.8	197.7	220.2	256.4	264.3	256.4
107.5°	209.9	215.1	237.6	261.8	267.0	268.4	262.5	259.1	257.7	258.7	257.7
110°	240.6	248.5	275.6	306.1	314.0	316.3	314.0	310.6	308.3	308.3	308.3

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.4	281.9	312.6	347.7	361.0	367.8	362.8	360.3	358.0	359.9	358.0
115°	316.3	333.2	373.9	410.0	437.1	440.5	439.4	439.4	438.2	438.2	438.2
117.5°	358.7	385.8	431.5	473.5	504.9	513.9	518.4	517.1	515.7	518.0	515.7
120°	388.5	420.2	472.1	519.6	550.1	563.6	568.1	565.9	568.1	565.9	568.1
122.5°	420.2	459.0	510.1	559.3	595.2	610.6	616.0	616.5	616.9	615.6	616.9
125°	467.6	515.0	574.9	625.7	663.0	681.1	685.6	686.7	689.0	694.6	689.0
127.5°	515.5	569.3	635.0	684.0	722.2	744.1	751.1	753.6	758.3	760.8	758.3
130°	548.9	609.9	676.6	722.9	760.1	783.9	796.3	799.7	805.3	804.2	805.3
132.5°	584.2	647.9	715.4	763.5	798.1	823.6	834.2	843.9	846.0	847.6	846.0
135°	635.9	704.8	772.6	820.0	852.8	877.6	891.2	900.2	905.8	909.2	905.8
137.5°	690.3	763.1	828.1	870.4	903.4	924.8	940.2	949.7	955.5	958.2	955.5
140°	727.4	797.4	860.7	904.7	934.1	955.5	969.1	980.4	987.2	987.2	987.2
142.5°	762.6	831.7	893.2	937.2	963.0	982.6	997.1	1005.7	1013.4	1013.4	1013.4
145°	812.1	881.0	937.5	981.5	1003.0	1021.0	1036.9	1043.6	1048.2	1048.2	1048.2
147.5°	863.8	924.8	976.3	1018.6	1036.6	1057.9	1070.3	1075.7	1081.4	1078.9	1081.4
150°	894.5	951.0	1000.7	1040.2	1058.3	1078.7	1091.1	1095.6	1101.2	1097.9	1101.2
152.5°	924.4	978.1	1023.3	1060.1	1075.5	1095.8	1110.1	1114.6	1118.4	1115.9	1118.4
155°	964.6	1012.0	1053.8	1087.7	1101.2	1120.4	1134.0	1139.6	1144.2	1138.5	1144.2
157.5°	1000.5	1041.4	1077.7	1108.9	1123.4	1139.9	1152.5	1159.5	1164.0	1161.6	1164.0
160°	1022.2	1059.4	1092.2	1121.6	1135.1	1149.8	1163.4	1171.3	1175.8	1172.4	1175.8
162.5°	1040.2	1073.9	1104.9	1131.5	1143.3	1156.1	1172.4	1179.4	1183.9	1179.6	1183.9
165°	1066.2	1093.3	1120.4	1143.0	1153.2	1163.4	1180.3	1188.2	1191.6	1187.1	1191.6
167.5°	1085.9	1106.7	1128.6	1148.0	1155.5	1165.4	1182.3	1188.9	1193.2	1187.5	1193.2
170°	1096.7	1114.8	1134.0	1149.8	1155.5	1164.5	1181.4	1187.1	1190.5	1184.8	1190.5
172.5°	1105.8	1119.3	1134.9	1148.9	1151.8	1159.1	1175.1	1180.8	1183.2	1178.5	1183.2
175°	1114.8	1122.7	1134.0	1143.0	1141.9	1146.4	1160.0	1164.5	1169.0	1162.2	1169.0
177.5°	1119.1	1122.7	1126.3	1131.7	1128.1	1128.1	1138.1	1140.8	1141.7	1138.1	1141.7
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6
2.5°	2299.7	2298.5	2297.7	2301.6	2310.2	2313.3	2300.1	2286.8	2300.1	2313.3	2310.2
5°	2300.4	2297.5	2296.5	2300.4	2309.2	2311.6	2295.1	2278.5	2295.1	2311.6	2309.2
7.5°	2299.5	2294.9	2291.5	2293.2	2299.8	2300.6	2283.8	2267.1	2283.8	2300.6	2299.8
10°	2295.8	2290.2	2285.3	2285.8	2291.6	2291.6	2274.1	2256.6	2274.1	2291.6	2291.6
12.5°	2288.8	2282.6	2276.9	2276.2	2280.5	2279.2	2260.8	2242.5	2260.8	2279.2	2280.5
15°	2270.9	2264.6	2257.8	2254.9	2255.8	2251.7	2232.2	2212.7	2232.2	2251.7	2255.8
17.5°	2223.4	2221.5	2219.7	2219.5	2220.9	2217.0	2197.5	2178.1	2197.5	2217.0	2220.9
20°	2175.4	2180.5	2187.4	2192.2	2195.2	2192.5	2173.0	2153.5	2173.0	2192.5	2195.2
22.5°	2107.2	2122.6	2141.2	2153.8	2160.7	2160.5	2139.5	2118.4	2139.5	2160.5	2160.7
25°	1978.8	2010.9	2049.0	2077.7	2097.2	2106.7	2086.2	2065.8	2086.2	2106.7	2097.2
27.5°	1828.2	1873.8	1927.8	1974.1	2012.7	2037.5	2020.9	2004.4	2020.9	2037.5	2012.7
30°	1723.2	1772.6	1832.1	1890.1	1946.6	1985.8	1973.2	1960.5	1973.2	1985.8	1946.6
32.5°	1622.8	1674.4	1736.2	1802.4	1872.9	1924.6	1919.8	1914.9	1919.8	1924.6	1872.9
35°	1475.6	1527.0	1589.4	1664.9	1753.6	1822.4	1831.1	1839.9	1831.1	1822.4	1753.6
37.5°	1327.8	1381.9	1447.2	1527.1	1621.6	1699.1	1725.2	1751.3	1725.2	1699.1	1621.6
40°	1229.5	1283.6	1348.9	1430.8	1529.2	1612.3	1649.4	1686.4	1649.4	1612.3	1529.2
42.5°	1136.3	1190.6	1255.9	1337.8	1436.2	1521.7	1568.1	1614.5	1568.1	1521.7	1436.2
45°	999.3	1051.9	1115.2	1197.1	1297.5	1386.4	1441.0	1495.6	1441.0	1386.4	1297.5
47.5°	871.9	922.4	983.8	1064.6	1164.8	1253.4	1307.6	1361.8	1307.6	1253.4	1164.8
50°	788.5	839.9	901.3	979.8	1075.3	1160.1	1212.7	1265.3	1212.7	1160.1	1075.3
52.5°	702.3	756.9	819.8	897.9	991.1	1072.7	1119.9	1167.1	1119.9	1072.7	991.1
55°	572.6	629.4	699.6	778.5	866.2	943.2	988.1	1032.9	988.1	943.2	866.2
57.5°	482.1	533.3	597.1	668.6	747.9	817.1	855.9	894.7	855.9	817.1	747.9
60°	433.0	476.6	530.2	595.5	672.5	738.8	772.9	807.0	772.9	738.8	672.5
62.5°	388.0	422.8	465.5	524.2	598.8	662.4	692.6	722.8	692.6	662.4	598.8
65°	324.3	353.1	388.2	436.9	499.3	551.7	574.1	596.5	574.1	551.7	499.3
67.5°	266.4	291.1	321.9	361.4	409.5	448.7	461.2	473.7	461.2	448.7	409.5
70°	233.4	253.7	279.0	312.6	354.5	386.9	390.8	394.7	390.8	386.9	354.5
72.5°	202.2	218.0	237.9	266.0	302.5	329.4	327.9	326.3	327.9	329.4	302.5
75°	159.6	170.3	184.0	203.9	230.3	248.0	240.3	232.5	240.3	248.0	230.3
77.5°	118.0	126.0	136.2	150.9	170.2	181.7	170.0	158.3	170.0	181.7	170.2
80°	92.1	98.0	105.7	117.0	131.6	139.6	127.9	116.2	127.9	139.6	131.6
82.5°	69.3	72.2	76.1	83.4	94.2	99.9	90.5	81.1	90.5	99.9	94.2
85°	28.3	32.9	38.7	43.6	47.5	49.2	44.3	39.5	44.3	49.2	47.5
87.5°	10.0	10.4	11.1	13.3	16.5	17.9	14.4	11.2	14.4	17.7	16.9
90°	23.7	22.6	22.6	21.5	18.1	13.6	7.9	3.4	7.9	12.4	20.3
92.5°	28.2	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.8
95°	26.0	26.0	30.5	38.4	56.5	57.6	38.4	35.0	49.7	70.0	88.1
97.5°	70.3	83.6	102.6	106.2	100.5	75.0	71.8	66.9	91.0	111.1	140.3
100°	129.9	146.8	160.4	133.3	105.0	103.9	97.1	94.9	120.9	140.1	168.3
102.5°	203.1	208.3	161.3	145.9	139.4	134.6	124.2	122.9	148.9	175.3	199.0
105°	220.2	197.7	198.8	198.8	194.3	185.2	166.0	164.9	194.3	224.8	254.1
107.5°	259.1	262.5	268.4	267.0	261.8	237.6	215.1	209.9	236.3	272.9	305.2
110°	310.6	314.0	316.3	314.0	306.1	275.6	248.5	240.6	264.3	302.7	337.7



TEST NUMBER: P1428407

CATALOG NUMBER: SQ2W-PW1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.3	362.8	367.8	361.0	347.7	312.6	281.9	270.4	294.1	333.4	369.3
115°	439.4	439.4	440.5	437.1	410.0	373.9	333.2	316.3	336.6	372.7	412.3
117.5°	517.1	518.4	513.9	504.9	473.5	431.5	385.8	358.7	374.8	412.9	453.6
120°	565.9	568.1	563.6	550.1	519.6	472.1	420.2	388.5	401.0	438.2	478.9
122.5°	616.5	616.0	610.6	595.2	559.3	510.1	459.0	420.2	425.4	459.9	499.7
125°	686.7	685.6	681.1	663.0	625.7	574.9	515.0	467.6	460.8	490.2	530.9
127.5°	753.6	751.1	744.1	722.2	684.0	635.0	569.3	515.5	500.4	518.9	556.2
130°	799.7	796.3	783.9	760.1	722.9	676.6	609.9	548.9	527.5	538.8	571.5
132.5°	843.9	834.2	823.6	798.1	763.5	715.4	647.9	584.2	554.6	559.5	585.1
135°	900.2	891.2	877.6	852.8	820.0	772.6	704.8	635.9	595.2	590.7	605.4
137.5°	949.7	940.2	924.8	903.4	870.4	828.1	763.1	690.3	639.1	623.9	629.6
140°	980.4	969.1	955.5	934.1	904.7	860.7	797.4	727.4	669.8	648.3	644.9
142.5°	1005.7	997.1	982.6	963.0	937.2	893.2	831.7	762.6	701.4	673.6	665.7
145°	1043.6	1036.9	1021.0	1003.0	981.5	937.5	881.0	812.1	751.1	715.0	698.0
147.5°	1075.7	1070.3	1057.9	1036.6	1018.6	976.3	924.8	863.8	801.3	756.5	734.6
150°	1095.6	1091.1	1078.7	1058.3	1040.2	1000.7	951.0	894.5	834.7	787.2	759.0
152.5°	1114.6	1110.1	1095.8	1075.5	1060.1	1023.3	978.1	924.4	863.6	816.2	787.0
155°	1139.6	1134.0	1120.4	1101.2	1087.7	1053.8	1012.0	964.6	912.6	862.9	830.2
157.5°	1159.5	1152.5	1139.9	1123.4	1108.9	1077.7	1041.4	1000.5	955.1	907.6	874.2
160°	1171.3	1163.4	1149.8	1135.1	1121.6	1092.2	1059.4	1022.2	980.4	937.5	901.3
162.5°	1179.4	1172.4	1156.1	1143.3	1131.5	1104.9	1073.9	1040.2	1003.0	965.5	932.0
165°	1188.2	1180.3	1163.4	1153.2	1143.0	1120.4	1093.3	1066.2	1034.6	1004.1	977.0
167.5°	1188.9	1182.3	1165.4	1155.5	1148.0	1128.6	1106.7	1085.9	1061.3	1037.3	1014.7
170°	1187.1	1181.4	1164.5	1155.5	1149.8	1134.0	1114.8	1096.7	1077.5	1057.2	1039.1
172.5°	1180.8	1175.1	1159.1	1151.8	1148.9	1134.9	1119.3	1105.8	1089.3	1074.4	1059.9
175°	1164.5	1160.0	1146.4	1141.9	1143.0	1134.0	1122.7	1114.8	1104.6	1095.6	1087.7
177.5°	1140.8	1138.1	1128.1	1128.1	1131.7	1126.3	1122.7	1119.1	1114.6	1111.9	1109.1
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1428407

CATALOG NUMBER: SQ2W-PW1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6	2302.6
2.5°	2301.6	2297.7	2298.5	2299.7	2302.0	2304.4	2302.0	2299.7	2298.5	2297.7	2301.6
5°	2300.4	2296.5	2297.5	2300.4	2309.2	2318.0	2309.2	2300.4	2297.5	2296.5	2300.4
7.5°	2293.2	2291.5	2294.9	2299.5	2308.1	2316.6	2308.1	2299.5	2294.9	2291.5	2293.2
10°	2285.8	2285.3	2290.2	2295.8	2303.6	2311.4	2303.6	2295.8	2290.2	2285.3	2285.8
12.5°	2276.2	2276.9	2282.6	2288.8	2296.6	2304.4	2296.6	2288.8	2282.6	2276.9	2276.2
15°	2254.9	2257.8	2264.6	2270.9	2275.8	2280.7	2275.8	2270.9	2264.6	2257.8	2254.9
17.5°	2219.5	2219.7	2221.5	2223.4	2225.7	2228.1	2225.7	2223.4	2221.5	2219.7	2219.5
20°	2192.2	2187.4	2180.5	2175.4	2175.4	2175.4	2175.4	2175.4	2180.5	2187.4	2192.2
22.5°	2153.8	2141.2	2122.6	2107.2	2101.0	2094.7	2101.0	2107.2	2122.6	2141.2	2153.8
25°	2077.7	2049.0	2010.9	1978.8	1964.2	1949.5	1964.2	1978.8	2010.9	2049.0	2077.7
27.5°	1974.1	1927.8	1873.8	1828.2	1808.0	1787.7	1808.0	1828.2	1873.8	1927.8	1974.1
30°	1890.1	1832.1	1772.6	1723.2	1703.7	1684.2	1703.7	1723.2	1772.6	1832.1	1890.1
32.5°	1802.4	1736.2	1674.4	1622.8	1601.7	1580.7	1601.7	1622.8	1674.4	1736.2	1802.4
35°	1664.9	1589.4	1527.0	1475.6	1457.1	1438.6	1457.1	1475.6	1527.0	1589.4	1664.9
37.5°	1527.1	1447.2	1381.9	1327.8	1307.3	1286.8	1307.3	1327.8	1381.9	1447.2	1527.1
40°	1430.8	1348.9	1283.6	1229.5	1209.1	1188.6	1209.1	1229.5	1283.6	1348.9	1430.8
42.5°	1337.8	1255.9	1190.6	1136.3	1115.1	1093.8	1115.1	1136.3	1190.6	1255.9	1337.8
45°	1197.1	1115.2	1051.9	999.3	978.8	958.3	978.8	999.3	1051.9	1115.2	1197.1
47.5°	1064.6	983.8	922.4	871.9	854.4	836.8	854.4	871.9	922.4	983.8	1064.6
50°	979.8	901.3	839.9	788.5	767.0	745.6	767.0	788.5	839.9	901.3	979.8
52.5°	897.9	819.8	756.9	702.3	673.1	643.9	673.1	702.3	756.9	819.8	897.9
55°	778.5	699.6	629.4	572.6	556.0	539.5	556.0	572.6	629.4	699.6	778.5
57.5°	668.6	597.1	533.3	482.1	468.5	454.8	468.5	482.1	533.3	597.1	668.6
60°	595.5	530.2	476.6	433.0	419.3	405.7	419.3	433.0	476.6	530.2	595.5
62.5°	524.2	465.5	422.8	388.0	376.7	365.3	376.7	388.0	422.8	465.5	524.2
65°	436.9	388.2	353.1	324.3	314.6	304.8	314.6	324.3	353.1	388.2	436.9
67.5°	361.4	321.9	291.1	266.4	259.9	253.5	259.9	266.4	291.1	321.9	361.4
70°	312.6	279.0	253.7	233.4	228.6	223.7	228.6	233.4	253.7	279.0	312.6
72.5°	266.0	237.9	218.0	202.2	198.9	195.6	198.9	202.2	218.0	237.9	266.0
75°	203.9	184.0	170.3	159.6	157.6	155.7	157.6	159.6	170.3	184.0	203.9
77.5°	150.9	136.2	126.0	118.0	116.5	114.9	116.5	118.0	126.0	136.2	150.9
80°	117.0	105.7	98.0	92.1	92.1	92.1	92.1	92.1	98.0	105.7	117.0
82.5°	83.4	76.1	72.2	69.3	69.3	69.3	69.3	69.3	72.2	76.1	83.4
85°	43.6	38.7	32.9	28.3	27.3	26.3	27.3	28.3	32.9	38.7	43.6
87.5°	14.2	13.4	14.2	14.5	15.4	15.0	15.4	14.5	14.2	13.4	14.2
90°	26.0	33.9	41.8	46.3	50.8	48.6	50.8	46.3	41.8	33.9	26.0
92.5°	52.2	65.5	75.2	83.4	87.0	86.5	87.0	83.4	75.2	65.5	52.2
95°	105.0	120.9	136.7	148.0	154.7	152.5	154.7	148.0	136.7	120.9	105.0
97.5°	162.0	183.2	200.8	211.4	218.2	222.7	218.2	211.4	200.8	183.2	162.0
100°	199.9	220.2	240.6	253.0	264.3	268.8	264.3	253.0	240.6	220.2	199.9
102.5°	230.6	257.3	279.4	292.8	302.2	306.8	302.2	292.8	279.4	257.3	230.6
105°	281.2	309.5	333.2	350.1	360.3	363.7	360.3	350.1	333.2	309.5	281.2
107.5°	331.8	361.0	382.9	401.6	414.1	421.3	414.1	401.6	382.9	361.0	331.8
110°	371.6	395.3	419.0	436.0	448.4	452.9	448.4	436.0	419.0	395.3	371.6



TEST NUMBER: P1428407

CATALOG NUMBER: SQ2W-PW1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.0	431.5	455.2	472.1	486.4	492.7	486.4	472.1	455.2	431.5	405.0
115°	451.8	486.8	508.3	524.1	534.2	539.9	534.2	524.1	508.3	486.8	451.8
117.5°	490.6	527.2	550.7	562.9	567.7	571.7	567.7	562.9	550.7	527.2	490.6
120°	515.0	548.9	576.0	591.8	597.5	599.8	597.5	591.8	576.0	548.9	515.0
122.5°	537.6	569.7	595.9	615.3	624.6	626.9	624.6	615.3	595.9	569.7	537.6
125°	569.3	599.8	626.9	646.1	656.2	661.9	656.2	646.1	626.9	599.8	569.3
127.5°	596.8	629.8	654.6	672.0	682.0	686.5	682.0	672.0	654.6	629.8	596.8
130°	612.2	646.1	670.9	690.1	699.1	703.7	699.1	690.1	670.9	646.1	612.2
132.5°	623.9	659.6	685.4	702.8	712.7	717.2	712.7	702.8	685.4	659.6	623.9
135°	638.2	675.4	702.5	719.5	728.5	733.0	728.5	719.5	702.5	675.4	638.2
137.5°	650.6	684.5	712.7	730.5	738.7	741.6	738.7	730.5	712.7	684.5	650.6
140°	659.6	689.0	717.2	734.2	743.2	744.3	743.2	734.2	717.2	689.0	659.6
142.5°	671.4	694.4	719.0	736.0	745.0	747.0	745.0	736.0	719.0	694.4	671.4
145°	692.4	705.9	722.9	738.7	746.6	748.8	746.6	738.7	722.9	705.9	692.4
147.5°	718.8	723.1	731.9	742.3	750.0	751.6	750.0	742.3	731.9	723.1	718.8
150°	738.7	737.5	740.9	747.7	754.5	753.4	754.5	747.7	740.9	737.5	738.7
152.5°	761.3	754.7	754.5	757.7	760.8	760.6	760.8	757.7	754.5	754.7	761.3
155°	799.7	787.2	780.5	778.2	778.2	777.1	778.2	778.2	780.5	787.2	799.7
157.5°	841.9	824.5	814.4	808.9	807.4	804.9	807.4	808.9	814.4	824.5	841.9
160°	870.8	851.6	841.5	832.4	829.0	825.6	829.0	832.4	841.5	851.6	870.8
162.5°	897.9	879.6	868.6	860.4	857.0	851.9	857.0	860.4	868.6	879.6	897.9
165°	942.0	922.8	910.4	903.6	899.1	894.5	899.1	903.6	910.4	922.8	942.0
167.5°	986.0	965.0	956.9	949.2	944.9	936.8	944.9	949.2	956.9	965.0	986.0
170°	1013.1	993.9	989.4	982.6	974.7	965.7	974.7	982.6	989.4	993.9	1013.1
172.5°	1036.6	1023.8	1019.2	1012.5	1010.0	1002.7	1010.0	1012.5	1019.2	1023.8	1036.6
175°	1070.7	1060.6	1060.6	1059.4	1056.1	1049.3	1056.1	1059.4	1060.6	1060.6	1070.7
177.5°	1099.2	1093.8	1097.4	1097.4	1096.5	1090.2	1096.5	1097.4	1097.4	1093.8	1099.2
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1428407

CATALOG NUMBER: SQ2W-PW1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2302.6	2302.6	2302.6	2302.6
2.5°	2310.2	2313.3	2300.1	2286.8
5°	2309.2	2311.6	2295.1	2278.5
7.5°	2299.8	2300.6	2283.8	2267.1
10°	2291.6	2291.6	2274.1	2256.6
12.5°	2280.5	2279.2	2260.8	2242.5
15°	2255.8	2251.7	2232.2	2212.7
17.5°	2220.9	2217.0	2197.5	2178.1
20°	2195.2	2192.5	2173.0	2153.5
22.5°	2160.7	2160.5	2139.5	2118.4
25°	2097.2	2106.7	2086.2	2065.8
27.5°	2012.7	2037.5	2020.9	2004.4
30°	1946.6	1985.8	1973.2	1960.5
32.5°	1872.9	1924.6	1919.8	1914.9
35°	1753.6	1822.4	1831.1	1839.9
37.5°	1621.6	1699.1	1725.2	1751.3
40°	1529.2	1612.3	1649.4	1686.4
42.5°	1436.2	1521.7	1568.1	1614.5
45°	1297.5	1386.4	1441.0	1495.6
47.5°	1164.8	1253.4	1307.6	1361.8
50°	1075.3	1160.1	1212.7	1265.3
52.5°	991.1	1072.7	1119.9	1167.1
55°	866.2	943.2	988.1	1032.9
57.5°	747.9	817.1	855.9	894.7
60°	672.5	738.8	772.9	807.0
62.5°	598.8	662.4	692.6	722.8
65°	499.3	551.7	574.1	596.5
67.5°	409.5	448.7	461.2	473.7
70°	354.5	386.9	390.8	394.7
72.5°	302.5	329.4	327.9	326.3
75°	230.3	248.0	240.3	232.5
77.5°	170.2	181.7	170.0	158.3
80°	131.6	139.6	127.9	116.2
82.5°	94.2	99.9	90.5	81.1
85°	47.5	49.2	44.3	39.5
87.5°	16.9	17.7	14.4	11.2
90°	20.3	12.4	7.9	3.4
92.5°	43.8	30.5	21.5	12.4
95°	88.1	70.0	49.7	35.0
97.5°	140.3	111.1	91.0	66.9
100°	168.3	140.1	120.9	94.9
102.5°	199.0	175.3	148.9	122.9
105°	254.1	224.8	194.3	164.9
107.5°	305.2	272.9	236.3	209.9
110°	337.7	302.7	264.3	240.6



TEST NUMBER: P1428407

CATALOG NUMBER: SQ2W-PW1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	369.3	333.4	294.1	270.4
115°	412.3	372.7	336.6	316.3
117.5°	453.6	412.9	374.8	358.7
120°	478.9	438.2	401.0	388.5
122.5°	499.7	459.9	425.4	420.2
125°	530.9	490.2	460.8	467.6
127.5°	556.2	518.9	500.4	515.5
130°	571.5	538.8	527.5	548.9
132.5°	585.1	559.5	554.6	584.2
135°	605.4	590.7	595.2	635.9
137.5°	629.6	623.9	639.1	690.3
140°	644.9	648.3	669.8	727.4
142.5°	665.7	673.6	701.4	762.6
145°	698.0	715.0	751.1	812.1
147.5°	734.6	756.5	801.3	863.8
150°	759.0	787.2	834.7	894.5
152.5°	787.0	816.2	863.6	924.4
155°	830.2	862.9	912.6	964.6
157.5°	874.2	907.6	955.1	1000.5
160°	901.3	937.5	980.4	1022.2
162.5°	932.0	965.5	1003.0	1040.2
165°	977.0	1004.1	1034.6	1066.2
167.5°	1014.7	1037.3	1061.3	1085.9
170°	1039.1	1057.2	1077.5	1096.7
172.5°	1059.9	1074.4	1089.3	1105.8
175°	1087.7	1095.6	1104.6	1114.8
177.5°	1109.1	1111.9	1114.6	1119.1
180°	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1428407

CATALOG NUMBER: SQ2W-PW1-K-075U-100D-L830-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	20.45	21.37	21.32	22.25	23.36	16.70	17.62	17.56	18.50	19.61
	3H	21.76	22.58	22.64	23.47	24.60	17.97	18.80	18.85	19.69	20.82
	4H	22.17	22.95	23.06	23.84	24.99	18.48	19.26	19.38	20.15	21.30
	6H	22.35	23.07	23.26	23.97	25.13	18.79	19.51	19.70	20.41	21.57
	8H	22.40	23.08	23.31	24.00	25.15	18.91	19.59	19.82	20.51	21.67
	12H	22.40	23.05	23.32	23.96	25.14	18.94	19.59	19.86	20.50	21.68
4H	2H	20.59	21.37	21.49	22.26	23.41	17.52	18.29	18.42	19.19	20.33
	3H	22.14	22.78	23.04	23.71	24.87	18.97	19.61	19.88	20.54	21.70
	4H	22.68	23.27	23.60	24.19	25.38	19.55	20.14	20.47	21.06	22.24
	6H	23.00	23.50	23.93	24.45	25.64	19.94	20.44	20.87	21.39	22.57
	8H	23.09	23.56	24.03	24.50	25.70	20.09	20.56	21.02	21.50	22.70
	12H	23.11	23.54	24.07	24.50	25.70	20.13	20.56	21.09	21.52	22.72
8H	4H	22.73	23.20	23.66	24.14	25.34	19.90	20.37	20.83	21.31	22.51
	6H	23.15	23.54	24.11	24.52	25.72	20.39	20.78	21.35	21.76	22.96
	8H	23.32	23.66	24.29	24.64	25.85	20.61	20.95	21.58	21.93	23.14
	12H	23.40	23.70	24.38	24.67	25.94	20.70	21.00	21.67	21.97	23.23
12H	4H	22.69	23.11	23.64	24.07	25.28	19.92	20.34	20.87	21.30	22.51
	6H	23.14	23.49	24.12	24.46	25.68	20.47	20.81	21.44	21.78	23.00
	8H	23.34	23.64	24.31	24.60	25.87	20.71	21.02	21.69	21.98	23.25