

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: P1428399

Luminaire Tested: SQ2W-PW1-K-075U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428399  
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-050D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

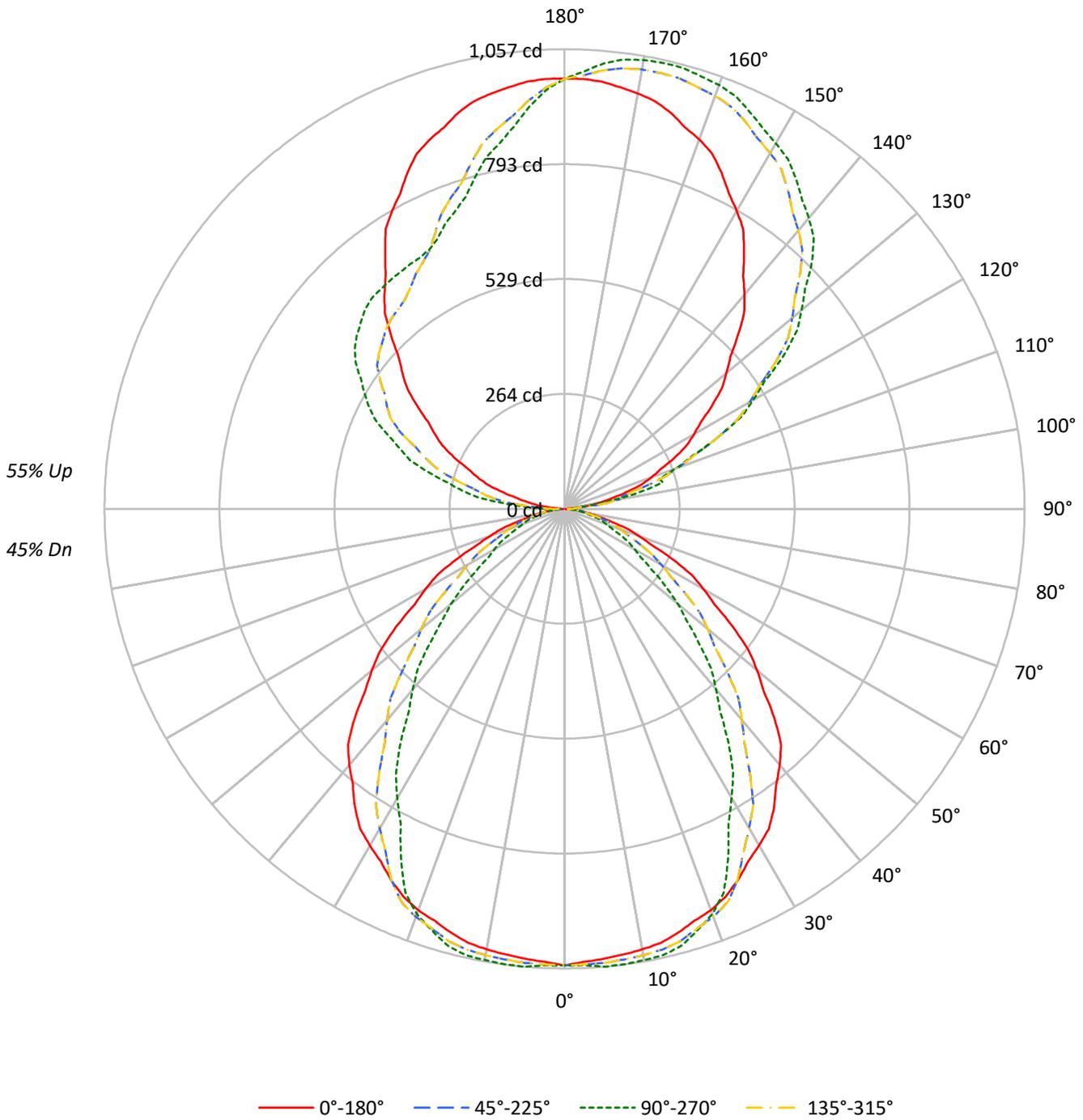
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5221.6 lumens  
Efficiency: N/A  
Efficacy: 126.1 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: General Diffuse  
  
Input Watts (W): 41.4  
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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CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L935-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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	40	38	33
3	81	72	65	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	41	38	35	33	31	29	25
5	69	57	50	44	63	53	46	41	45	40	36	37	34	31	30	28	25	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	18
8	54	43	35	30	50	40	33	28	34	29	25	28	24	21	23	20	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	17	14
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	16953	16953	16953	16953
5°	16839	17131	16839	17131
10°	16870	17280	16870	17280
15°	16866	17384	16866	17384
20°	16872	17044	16872	17044
25°	16781	15837	16781	15837
30°	16667	14318	16667	14318
35°	16537	12930	16537	12930
40°	16208	11423	16208	11423
45°	15572	9978	15572	9978
50°	14493	8540	14493	8540
55°	13258	6925	13258	6925
60°	11883	5974	11883	5974
65°	10391	5310	10391	5310
70°	8497	4815	8497	4815
75°	6612	4429	6612	4429
80°	4928	3905	4928	3905
85°	3334	2223	3334	2223

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15572 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	1.9
10°-20°	289.7	5.5
20°-30°	426.3	8.2
30°-40°	466.1	8.9
40°-50°	418.2	8.0
50°-60°	311.9	6.0
60°-70°	197.1	3.8
70°-80°	97.7	1.9
80°-90°	27.0	0.5
90°-100°	78.7	1.5
100°-110°	229.5	4.4
110°-120°	374.6	7.2
120°-130°	475.3	9.1
130°-140°	508.6	9.7
140°-150°	474.9	9.1
150°-160°	390.8	7.5
160°-170°	262.1	5.0
170°-180°	93.1	1.8
0°-30°	816.0	15.6
0°-40°	1282.2	24.6
0°-60°	2012.2	38.5
0°-90°	2334.0	44.7
90°-120°	682.8	13.1
90°-150°	2141.7	41.0
90°-180°	2888.0	55.3
0°-180°	5221.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1050	1050	1050	1050	1050	
5°	1039	1057	1039	1057	1039	99
15°	1009	1040	1009	1040	1009	285
25°	942	889	942	889	942	434
35°	839	656	839	656	839	523
45°	682	437	682	437	682	523
55°	471	246	471	246	471	421
65°	272	139	272	139	272	270
75°	106	71	106	71	106	117
85°	18	12	18	12	18	23
90°	3	22	3	43	3	3
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1042.8	1048.9	1054.9	1053.5	1049.6	1047.8	1048.1	1048.7	1049.7	1050.8	1049.7
5°	1039.0	1046.6	1054.1	1053.0	1049.0	1047.2	1047.7	1049.0	1053.0	1057.0	1053.0
7.5°	1033.8	1041.5	1049.1	1048.7	1045.7	1045.0	1046.5	1048.6	1052.5	1056.4	1052.5
10°	1029.0	1037.0	1045.0	1045.0	1042.3	1042.1	1044.3	1046.9	1050.5	1054.0	1050.5
12.5°	1022.6	1031.0	1039.3	1039.9	1038.0	1038.3	1040.9	1043.7	1047.3	1050.8	1047.3
15°	1009.0	1017.9	1026.8	1028.7	1028.2	1029.6	1032.7	1035.6	1037.8	1040.0	1037.8
17.5°	993.2	1002.1	1011.0	1012.7	1012.1	1012.2	1013.0	1013.9	1014.9	1016.0	1014.9
20°	982.0	990.9	999.8	1001.0	999.7	997.5	994.3	992.0	992.0	992.0	992.0
22.5°	966.0	975.6	985.2	985.3	982.2	976.4	967.9	960.9	958.1	955.2	958.1
25°	942.0	951.3	960.7	956.3	947.5	934.3	917.0	902.3	895.7	889.0	895.7
27.5°	914.0	921.6	929.1	917.8	900.2	879.1	854.5	833.7	824.5	815.2	824.5
30°	894.0	899.8	905.6	887.7	861.9	835.5	808.3	785.8	776.9	768.0	776.9
32.5°	873.2	875.4	877.7	854.1	821.9	791.7	763.5	740.0	730.4	720.8	730.4
35°	839.0	835.0	831.0	799.7	759.2	724.8	696.3	672.9	664.5	656.0	664.5
37.5°	798.6	786.7	774.8	739.5	696.4	659.9	630.1	605.5	596.1	586.8	596.1
40°	769.0	752.1	735.2	697.3	652.5	615.1	585.3	560.7	551.3	542.0	551.3
42.5°	736.2	715.1	693.9	654.9	610.1	572.7	542.9	518.2	508.5	498.8	508.5
45°	682.0	657.1	632.2	591.7	545.9	508.6	479.7	455.7	446.3	437.0	446.3
47.5°	621.0	596.3	571.6	531.1	485.4	448.6	420.6	397.6	389.6	381.6	389.6
50°	577.0	553.0	529.0	490.3	446.8	411.0	383.0	359.6	349.8	340.0	349.8
52.5°	532.2	510.7	489.2	451.9	409.4	373.8	345.1	320.3	306.9	293.6	306.9
55°	471.0	450.6	430.1	395.0	355.0	319.0	287.0	261.1	253.6	246.0	253.6
57.5°	408.0	390.3	372.6	341.1	304.9	272.3	243.2	219.8	213.6	207.4	213.6
60°	368.0	352.4	336.9	306.7	271.6	241.8	217.3	197.4	191.2	185.0	191.2
62.5°	329.6	315.8	302.0	273.1	239.0	212.3	192.8	176.9	171.8	166.6	171.8
65°	272.0	261.8	251.6	227.7	199.2	177.0	161.0	147.9	143.4	139.0	143.4
67.5°	216.0	210.3	204.6	186.7	164.8	146.8	132.7	121.5	118.5	115.6	118.5
70°	180.0	178.2	176.4	161.7	142.6	127.2	115.7	106.4	104.2	102.0	104.2
72.5°	148.8	149.5	150.2	137.9	121.3	108.5	99.4	92.2	90.7	89.2	90.7
75°	106.0	109.6	113.1	105.0	93.0	83.9	77.7	72.8	71.9	71.0	71.9
77.5°	72.2	77.5	82.9	77.6	68.8	62.1	57.5	53.8	53.1	52.4	53.1
80°	53.0	58.3	63.7	60.0	53.3	48.2	44.7	42.0	42.0	42.0	42.0
82.5°	37.0	41.3	45.5	42.9	38.0	34.7	32.9	31.6	31.6	31.6	31.6
85°	18.0	20.2	22.4	21.7	19.9	17.7	15.0	12.9	12.4	12.0	12.4
87.5°	5.4	7.3	9.3	9.1	7.9	7.0	6.7	6.6	6.8	6.8	6.8
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1048.7	1048.1	1047.8	1049.6	1053.5	1054.9	1048.9	1042.8	1048.9	1054.9	1053.5
5°	1049.0	1047.7	1047.2	1049.0	1053.0	1054.1	1046.6	1039.0	1046.6	1054.1	1053.0
7.5°	1048.6	1046.5	1045.0	1045.7	1048.7	1049.1	1041.5	1033.8	1041.5	1049.1	1048.7
10°	1046.9	1044.3	1042.1	1042.3	1045.0	1045.0	1037.0	1029.0	1037.0	1045.0	1045.0
12.5°	1043.7	1040.9	1038.3	1038.0	1039.9	1039.3	1031.0	1022.6	1031.0	1039.3	1039.9
15°	1035.6	1032.7	1029.6	1028.2	1028.7	1026.8	1017.9	1009.0	1017.9	1026.8	1028.7
17.5°	1013.9	1013.0	1012.2	1012.1	1012.7	1011.0	1002.1	993.2	1002.1	1011.0	1012.7
20°	992.0	994.3	997.5	999.7	1001.0	999.8	990.9	982.0	990.9	999.8	1001.0
22.5°	960.9	967.9	976.4	982.2	985.3	985.2	975.6	966.0	975.6	985.2	985.3
25°	902.3	917.0	934.3	947.5	956.3	960.7	951.3	942.0	951.3	960.7	956.3
27.5°	833.7	854.5	879.1	900.2	917.8	929.1	921.6	914.0	921.6	929.1	917.8
30°	785.8	808.3	835.5	861.9	887.7	905.6	899.8	894.0	899.8	905.6	887.7
32.5°	740.0	763.5	791.7	821.9	854.1	877.7	875.4	873.2	875.4	877.7	854.1
35°	672.9	696.3	724.8	759.2	799.7	831.0	835.0	839.0	835.0	831.0	799.7
37.5°	605.5	630.1	659.9	696.4	739.5	774.8	786.7	798.6	786.7	774.8	739.5
40°	560.7	585.3	615.1	652.5	697.3	735.2	752.1	769.0	752.1	735.2	697.3
42.5°	518.2	542.9	572.7	610.1	654.9	693.9	715.1	736.2	715.1	693.9	654.9
45°	455.7	479.7	508.6	545.9	591.7	632.2	657.1	682.0	657.1	632.2	591.7
47.5°	397.6	420.6	448.6	485.4	531.1	571.6	596.3	621.0	596.3	571.6	531.1
50°	359.6	383.0	411.0	446.8	490.3	529.0	553.0	577.0	553.0	529.0	490.3
52.5°	320.3	345.1	373.8	409.4	451.9	489.2	510.7	532.2	510.7	489.2	451.9
55°	261.1	287.0	319.0	355.0	395.0	430.1	450.6	471.0	450.6	430.1	395.0
57.5°	219.8	243.2	272.3	304.9	341.1	372.6	390.3	408.0	390.3	372.6	341.1
60°	197.4	217.3	241.8	271.6	306.7	336.9	352.4	368.0	352.4	336.9	306.7
62.5°	176.9	192.8	212.3	239.0	273.1	302.0	315.8	329.6	315.8	302.0	273.1
65°	147.9	161.0	177.0	199.2	227.7	251.6	261.8	272.0	261.8	251.6	227.7
67.5°	121.5	132.7	146.8	164.8	186.7	204.6	210.3	216.0	210.3	204.6	186.7
70°	106.4	115.7	127.2	142.6	161.7	176.4	178.2	180.0	178.2	176.4	161.7
72.5°	92.2	99.4	108.5	121.3	137.9	150.2	149.5	148.8	149.5	150.2	137.9
75°	72.8	77.7	83.9	93.0	105.0	113.1	109.6	106.0	109.6	113.1	105.0
77.5°	53.8	57.5	62.1	68.8	77.6	82.9	77.5	72.2	77.5	82.9	77.6
80°	42.0	44.7	48.2	53.3	60.0	63.7	58.3	53.0	58.3	63.7	60.0
82.5°	31.6	32.9	34.7	38.0	42.9	45.5	41.3	37.0	41.3	45.5	42.9
85°	12.9	15.0	17.7	19.9	21.7	22.4	20.2	18.0	20.2	22.4	21.7
87.5°	6.6	6.7	7.0	7.9	9.1	9.3	7.3	5.4	7.3	9.1	9.5
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1428399

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1428399

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1049.6	1047.8	1048.1	1048.7	1049.7	1050.8	1049.7	1048.7	1048.1	1047.8	1049.6
5°	1049.0	1047.2	1047.7	1049.0	1053.0	1057.0	1053.0	1049.0	1047.7	1047.2	1049.0
7.5°	1045.7	1045.0	1046.5	1048.6	1052.5	1056.4	1052.5	1048.6	1046.5	1045.0	1045.7
10°	1042.3	1042.1	1044.3	1046.9	1050.5	1054.0	1050.5	1046.9	1044.3	1042.1	1042.3
12.5°	1038.0	1038.3	1040.9	1043.7	1047.3	1050.8	1047.3	1043.7	1040.9	1038.3	1038.0
15°	1028.2	1029.6	1032.7	1035.6	1037.8	1040.0	1037.8	1035.6	1032.7	1029.6	1028.2
17.5°	1012.1	1012.2	1013.0	1013.9	1014.9	1016.0	1014.9	1013.9	1013.0	1012.2	1012.1
20°	999.7	997.5	994.3	992.0	992.0	992.0	992.0	992.0	994.3	997.5	999.7
22.5°	982.2	976.4	967.9	960.9	958.1	955.2	958.1	960.9	967.9	976.4	982.2
25°	947.5	934.3	917.0	902.3	895.7	889.0	895.7	902.3	917.0	934.3	947.5
27.5°	900.2	879.1	854.5	833.7	824.5	815.2	824.5	833.7	854.5	879.1	900.2
30°	861.9	835.5	808.3	785.8	776.9	768.0	776.9	785.8	808.3	835.5	861.9
32.5°	821.9	791.7	763.5	740.0	730.4	720.8	730.4	740.0	763.5	791.7	821.9
35°	759.2	724.8	696.3	672.9	664.5	656.0	664.5	672.9	696.3	724.8	759.2
37.5°	696.4	659.9	630.1	605.5	596.1	586.8	596.1	605.5	630.1	659.9	696.4
40°	652.5	615.1	585.3	560.7	551.3	542.0	551.3	560.7	585.3	615.1	652.5
42.5°	610.1	572.7	542.9	518.2	508.5	498.8	508.5	518.2	542.9	572.7	610.1
45°	545.9	508.6	479.7	455.7	446.3	437.0	446.3	455.7	479.7	508.6	545.9
47.5°	485.4	448.6	420.6	397.6	389.6	381.6	389.6	397.6	420.6	448.6	485.4
50°	446.8	411.0	383.0	359.6	349.8	340.0	349.8	359.6	383.0	411.0	446.8
52.5°	409.4	373.8	345.1	320.3	306.9	293.6	306.9	320.3	345.1	373.8	409.4
55°	355.0	319.0	287.0	261.1	253.6	246.0	253.6	261.1	287.0	319.0	355.0
57.5°	304.9	272.3	243.2	219.8	213.6	207.4	213.6	219.8	243.2	272.3	304.9
60°	271.6	241.8	217.3	197.4	191.2	185.0	191.2	197.4	217.3	241.8	271.6
62.5°	239.0	212.3	192.8	176.9	171.8	166.6	171.8	176.9	192.8	212.3	239.0
65°	199.2	177.0	161.0	147.9	143.4	139.0	143.4	147.9	161.0	177.0	199.2
67.5°	164.8	146.8	132.7	121.5	118.5	115.6	118.5	121.5	132.7	146.8	164.8
70°	142.6	127.2	115.7	106.4	104.2	102.0	104.2	106.4	115.7	127.2	142.6
72.5°	121.3	108.5	99.4	92.2	90.7	89.2	90.7	92.2	99.4	108.5	121.3
75°	93.0	83.9	77.7	72.8	71.9	71.0	71.9	72.8	77.7	83.9	93.0
77.5°	68.8	62.1	57.5	53.8	53.1	52.4	53.1	53.8	57.5	62.1	68.8
80°	53.3	48.2	44.7	42.0	42.0	42.0	42.0	42.0	44.7	48.2	53.3
82.5°	38.0	34.7	32.9	31.6	31.6	31.6	31.6	31.6	32.9	34.7	38.0
85°	19.9	17.7	15.0	12.9	12.4	12.0	12.4	12.9	15.0	17.7	19.9
87.5°	8.7	9.0	10.1	10.6	11.4	11.0	11.4	10.6	10.1	9.0	8.7
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1428399

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1428399

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1050.0	1050.0	1050.0	1050.0
2.5°	1053.5	1054.9	1048.9	1042.8
5°	1053.0	1054.1	1046.6	1039.0
7.5°	1048.7	1049.1	1041.5	1033.8
10°	1045.0	1045.0	1037.0	1029.0
12.5°	1039.9	1039.3	1031.0	1022.6
15°	1028.7	1026.8	1017.9	1009.0
17.5°	1012.7	1011.0	1002.1	993.2
20°	1001.0	999.8	990.9	982.0
22.5°	985.3	985.2	975.6	966.0
25°	956.3	960.7	951.3	942.0
27.5°	917.8	929.1	921.6	914.0
30°	887.7	905.6	899.8	894.0
32.5°	854.1	877.7	875.4	873.2
35°	799.7	831.0	835.0	839.0
37.5°	739.5	774.8	786.7	798.6
40°	697.3	735.2	752.1	769.0
42.5°	654.9	693.9	715.1	736.2
45°	591.7	632.2	657.1	682.0
47.5°	531.1	571.6	596.3	621.0
50°	490.3	529.0	553.0	577.0
52.5°	451.9	489.2	510.7	532.2
55°	395.0	430.1	450.6	471.0
57.5°	341.1	372.6	390.3	408.0
60°	306.7	336.9	352.4	368.0
62.5°	273.1	302.0	315.8	329.6
65°	227.7	251.6	261.8	272.0
67.5°	186.7	204.6	210.3	216.0
70°	161.7	176.4	178.2	180.0
72.5°	137.9	150.2	149.5	148.8
75°	105.0	113.1	109.6	106.0
77.5°	77.6	82.9	77.5	72.2
80°	60.0	63.7	58.3	53.0
82.5°	42.9	45.5	41.3	37.0
85°	21.7	22.4	20.2	18.0
87.5°	9.5	9.1	7.3	5.4
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1428399

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1428399

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L935-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	16.23	17.01	17.24	18.03	19.37	12.48	13.26	13.49	14.27	15.62
	3H	17.52	18.22	18.54	19.25	20.62	13.74	14.44	14.76	15.46	16.83
	4H	17.93	18.59	18.96	19.62	20.99	14.24	14.91	15.27	15.93	17.31
	6H	18.11	18.72	19.15	19.75	21.13	14.55	15.16	15.59	16.19	17.57
	8H	18.15	18.73	19.19	19.77	21.16	14.66	15.24	15.71	16.28	17.67
	12H	18.14	18.70	19.20	19.73	21.14	14.69	15.24	15.74	16.28	17.68
4H	2H	16.35	17.01	17.39	18.04	19.42	13.28	13.94	14.32	14.96	16.34
	3H	17.88	18.43	18.93	19.49	20.88	14.72	15.27	15.76	16.32	17.71
	4H	18.43	18.93	19.48	19.98	21.39	15.29	15.80	16.34	16.84	18.25
	6H	18.73	19.17	19.80	20.23	21.64	15.67	16.10	16.73	17.17	18.58
	8H	18.82	19.23	19.89	20.29	21.71	15.82	16.22	16.88	17.29	18.71
	12H	18.84	19.21	19.92	20.28	21.71	15.86	16.22	16.94	17.30	18.73
8H	4H	18.46	18.86	19.52	19.92	21.35	15.63	16.03	16.69	17.09	18.52
	6H	18.88	19.21	19.96	20.31	21.73	16.12	16.45	17.21	17.56	18.98
	8H	19.05	19.34	20.14	20.43	21.87	16.34	16.63	17.43	17.72	19.16
	12H	19.12	19.38	20.22	20.46	21.94	16.42	16.68	17.51	17.76	19.24
12H	4H	18.42	18.78	19.50	19.85	21.28	15.65	16.01	16.73	17.08	18.51
	6H	18.87	19.16	19.96	20.25	21.69	16.20	16.49	17.29	17.57	19.01
	8H	19.06	19.32	20.15	20.40	21.88	16.44	16.69	17.53	17.77	19.25