

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: P1428619

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428619
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-075U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

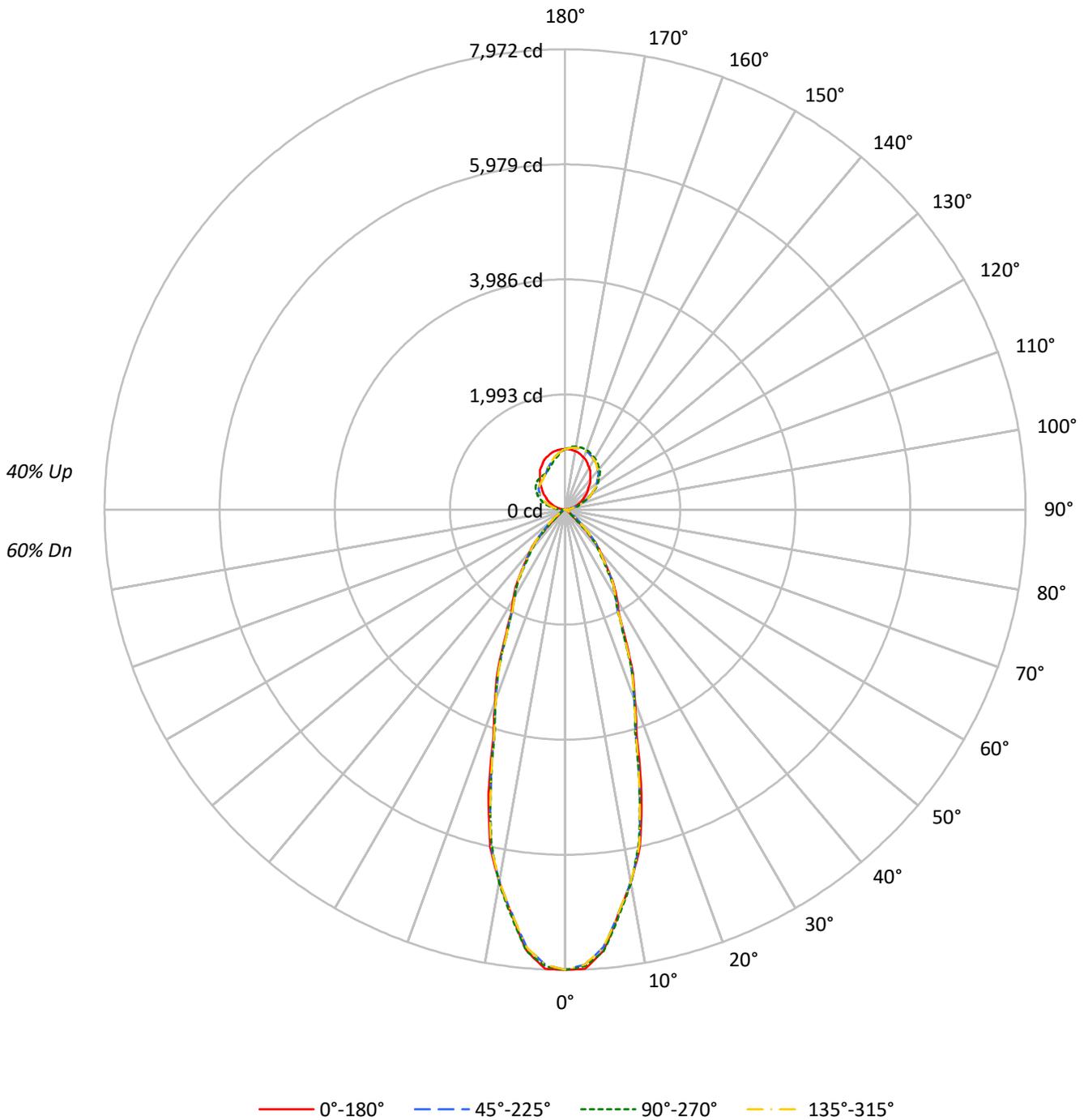
Lumens per Lamp: N/A
Luminaire Lumens: 7688.2 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.7
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

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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	50	30	10	50	30	10	50	30	10	0				
RCR																																		
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66			
1	103	99	96	94	96	93	91	89	82	80	79	72	70	69	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61			
2	96	91	86	82	90	85	81	78	76	73	70	67	65	63	59	57	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56			
3	90	83	77	73	85	78	73	69	70	66	63	62	60	58	55	53	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
4	85	76	70	65	80	72	67	63	65	61	58	58	55	53	52	50	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
5	79	70	64	59	75	67	61	57	61	56	53	55	51	49	49	47	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45			
6	75	65	59	54	71	62	56	52	57	52	49	51	48	45	47	44	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42			
7	71	61	54	50	67	58	52	48	53	48	45	48	45	42	44	41	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39		
8	67	57	50	46	63	54	48	45	50	45	42	46	42	40	42	39	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37		
9	63	53	47	43	60	51	45	41	47	42	39	43	40	37	40	37	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35		
10	60	50	44	40	57	48	42	39	44	40	37	41	38	35	38	35	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	128719	128719	128719	128719
5°	124282	124420	124282	124420
10°	107424	107680	107424	107680
15°	85483	83119	85483	83119
20°	60725	60361	60725	60361
25°	43689	42529	43689	42529
30°	33381	32406	33381	32406
35°	26203	25089	26203	25089
40°	19852	18630	19852	18630
45°	11108	9914	11108	9914
50°	3908	3446	3908	3446
55°	2390	2269	2390	2269
60°	1828	1689	1828	1689
65°	1673	1566	1673	1566
70°	1600	1468	1600	1468
75°	1497	1410	1497	1410
80°	1311	1311	1311	1311
85°	1315	1056	1315	1056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 13173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.0	9.0
10°-20°	1375.4	17.9
20°-30°	1139.0	14.8
30°-40°	819.4	10.7
40°-50°	417.4	5.4
50°-60°	108.5	1.4
60°-70°	45.1	0.6
70°-80°	25.0	0.3
80°-90°	11.7	0.2
90°-100°	83.3	1.1
100°-110°	242.8	3.2
110°-120°	396.2	5.2
120°-130°	502.8	6.5
130°-140°	538.0	7.0
140°-150°	502.4	6.5
150°-160°	413.4	5.4
160°-170°	277.2	3.6
170°-180°	98.4	1.3
0°-30°	3206.5	41.7
0°-40°	4025.9	52.4
0°-60°	4551.9	59.2
0°-90°	4633.7	60.3
90°-120°	722.3	9.4
90°-150°	2265.4	29.5
90°-180°	3054.0	39.7
0°-180°	7688.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7972	7972	7972	7972	7972	
5°	7668	7677	7668	7677	7668	692
15°	5114	4973	5114	4973	5114	1388
25°	2452	2387	2452	2387	2452	1153
35°	1329	1273	1329	1273	1329	834
45°	486	434	486	434	486	389
55°	85	81	85	81	85	83
65°	44	41	44	41	44	44
75°	24	23	24	23	24	25
85°	7	6	7	6	7	7
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4
2.5°	7959.9	7953.9	7947.9	7921.1	7887.4	7884.6	7912.8	7932.1	7925.1	7918.1	7925.1
5°	7668.3	7663.3	7658.2	7635.3	7606.4	7616.4	7665.5	7699.4	7688.1	7676.8	7688.1
7.5°	7066.1	7070.4	7074.6	7062.9	7045.8	7058.9	7102.3	7131.8	7119.7	7107.7	7119.7
10°	6552.4	6563.7	6575.0	6559.0	6533.9	6553.0	6616.5	6653.5	6610.7	6568.0	6610.7
12.5°	5985.6	5978.3	5971.0	5956.3	5939.2	5935.8	5946.0	5947.7	5924.1	5900.4	5924.1
15°	5114.1	5087.7	5061.3	5020.7	4975.5	4960.7	4976.4	4986.5	4979.6	4972.7	4979.6
17.5°	4119.3	4129.5	4139.6	4112.2	4072.2	4051.5	4050.0	4046.9	4039.1	4031.3	4039.1
20°	3534.3	3537.5	3540.6	3523.5	3499.6	3493.9	3506.5	3515.6	3514.4	3513.1	3514.4
22.5°	3063.6	3064.3	3064.9	3042.2	3011.8	3005.9	3024.5	3035.6	3024.3	3013.0	3024.3
25°	2452.4	2450.5	2448.6	2433.5	2414.0	2399.6	2390.2	2383.6	2385.4	2387.3	2385.4
27.5°	2011.1	2003.3	1995.5	1982.6	1968.1	1963.9	1970.2	1973.8	1969.1	1964.5	1969.1
30°	1790.5	1784.2	1777.9	1765.0	1750.0	1744.3	1748.1	1749.5	1743.8	1738.2	1743.8
32.5°	1592.5	1592.7	1593.0	1581.4	1565.8	1557.1	1555.3	1553.0	1548.8	1544.7	1548.8
35°	1329.4	1333.2	1337.0	1327.5	1313.7	1302.1	1292.7	1284.2	1278.5	1272.9	1278.5
37.5°	1094.7	1098.2	1101.7	1093.8	1082.1	1069.4	1055.5	1044.0	1039.2	1034.4	1039.2
40°	941.9	944.4	946.9	941.4	933.3	921.0	904.7	891.5	887.7	883.9	887.7
42.5°	775.6	786.2	796.7	793.2	785.1	773.3	758.0	744.4	736.1	727.8	736.1
45°	486.5	519.8	553.1	568.1	576.9	572.8	555.8	531.0	482.6	434.2	482.6
47.5°	246.1	292.2	338.4	371.5	400.3	391.1	344.0	296.7	249.2	201.7	249.2
50°	155.6	187.6	219.7	260.2	303.6	294.2	231.9	179.9	158.6	137.2	158.6
52.5°	119.4	135.8	152.3	190.8	236.7	232.3	177.6	133.7	121.8	110.0	121.8
55°	84.9	91.1	97.4	118.8	145.2	143.6	114.1	90.7	85.6	80.6	85.6
57.5°	65.6	69.1	72.7	80.6	90.0	89.2	78.0	68.8	65.7	62.5	65.7
60°	56.6	59.1	61.6	65.5	69.9	69.3	63.6	58.6	55.5	52.3	55.5
62.5°	50.9	52.4	53.9	55.7	57.6	56.7	53.1	50.1	48.9	47.8	48.9
65°	43.8	44.5	45.1	45.3	45.3	44.6	43.4	42.3	41.6	41.0	41.6
67.5°	37.3	38.0	38.6	38.7	38.5	38.2	37.5	36.9	36.3	35.6	36.3
70°	33.9	34.6	35.2	34.9	34.3	33.6	33.0	32.4	31.7	31.1	31.7
72.5°	29.4	30.0	30.7	30.4	29.7	29.4	29.2	29.0	28.3	27.7	28.3
75°	24.0	24.0	24.0	24.0	24.0	23.7	23.1	22.6	22.6	22.6	22.6
77.5°	18.7	18.8	18.9	18.5	17.9	17.5	17.5	17.4	16.9	16.4	16.9
80°	14.1	14.8	15.4	15.1	14.5	14.1	14.1	14.1	14.1	14.1	14.1
82.5°	11.9	12.0	12.1	11.7	11.1	10.7	10.7	10.7	10.7	10.7	10.7
85°	7.1	7.1	7.1	6.6	6.0	6.0	6.6	6.9	6.3	5.7	6.3
87.5°	2.9	3.7	4.8	5.6	6.3	6.5	6.5	6.7	6.9	6.9	6.9
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°	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4
2.5°	7932.1	7912.8	7884.6	7887.4	7921.1	7947.9	7953.9	7959.9	7953.9	7947.9	7921.1
5°	7699.4	7665.5	7616.4	7606.4	7635.3	7658.2	7663.3	7668.3	7663.3	7658.2	7635.3
7.5°	7131.8	7102.3	7058.9	7045.8	7062.9	7074.6	7070.4	7066.1	7070.4	7074.6	7062.9
10°	6653.5	6616.5	6553.0	6533.9	6559.0	6575.0	6563.7	6552.4	6563.7	6575.0	6559.0
12.5°	5947.7	5946.0	5935.8	5939.2	5956.3	5971.0	5978.3	5985.6	5978.3	5971.0	5956.3
15°	4986.5	4976.4	4960.7	4975.5	5020.7	5061.3	5087.7	5114.1	5087.7	5061.3	5020.7
17.5°	4046.9	4050.0	4051.5	4072.2	4112.2	4139.6	4129.5	4119.3	4129.5	4139.6	4112.2
20°	3515.6	3506.5	3493.9	3499.6	3523.5	3540.6	3537.5	3534.3	3537.5	3540.6	3523.5
22.5°	3035.6	3024.5	3005.9	3011.8	3042.2	3064.9	3064.3	3063.6	3064.3	3064.9	3042.2
25°	2383.6	2390.2	2399.6	2414.0	2433.5	2448.6	2450.5	2452.4	2450.5	2448.6	2433.5
27.5°	1973.8	1970.2	1963.9	1968.1	1982.6	1995.5	2003.3	2011.1	2003.3	1995.5	1982.6
30°	1749.5	1748.1	1744.3	1750.0	1765.0	1777.9	1784.2	1790.5	1784.2	1777.9	1765.0
32.5°	1553.0	1555.3	1557.1	1565.8	1581.4	1593.0	1592.7	1592.5	1592.7	1593.0	1581.4
35°	1284.2	1292.7	1302.1	1313.7	1327.5	1337.0	1333.2	1329.4	1333.2	1337.0	1327.5
37.5°	1044.0	1055.5	1069.4	1082.1	1093.8	1101.7	1098.2	1094.7	1098.2	1101.7	1093.8
40°	891.5	904.7	921.0	933.3	941.4	946.9	944.4	941.9	944.4	946.9	941.4
42.5°	744.4	758.0	773.3	785.1	793.2	796.7	786.2	775.6	786.2	796.7	793.2
45°	531.0	555.8	572.8	576.9	568.1	553.1	519.8	486.5	519.8	553.1	568.1
47.5°	296.7	344.0	391.1	400.3	371.5	338.4	292.2	246.1	292.2	338.4	371.5
50°	179.9	231.9	294.2	303.6	260.2	219.7	187.6	155.6	187.6	219.7	260.2
52.5°	133.7	177.6	232.3	236.7	190.8	152.3	135.8	119.4	135.8	152.3	190.8
55°	90.7	114.1	143.6	145.2	118.8	97.4	91.1	84.9	91.1	97.4	118.8
57.5°	68.8	78.0	89.2	90.0	80.6	72.7	69.1	65.6	69.1	72.7	80.6
60°	58.6	63.6	69.3	69.9	65.5	61.6	59.1	56.6	59.1	61.6	65.5
62.5°	50.1	53.1	56.7	57.6	55.7	53.9	52.4	50.9	52.4	53.9	55.7
65°	42.3	43.4	44.6	45.3	45.3	45.1	44.5	43.8	44.5	45.1	45.3
67.5°	36.9	37.5	38.2	38.5	38.7	38.6	38.0	37.3	38.0	38.6	38.7
70°	32.4	33.0	33.6	34.3	34.9	35.2	34.6	33.9	34.6	35.2	34.9
72.5°	29.0	29.2	29.4	29.7	30.4	30.7	30.0	29.4	30.0	30.7	30.4
75°	22.6	23.1	23.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
77.5°	17.4	17.5	17.5	17.9	18.5	18.9	18.8	18.7	18.8	18.9	18.5
80°	14.1	14.1	14.1	14.5	15.1	15.4	14.8	14.1	14.8	15.4	15.1
82.5°	10.7	10.7	10.7	11.1	11.7	12.1	12.0	11.9	12.0	12.1	11.7
85°	6.9	6.6	6.0	6.0	6.6	7.1	7.1	7.1	7.1	7.1	6.6
87.5°	6.7	6.5	6.5	6.3	5.6	4.8	3.7	2.9	3.7	4.6	6.1
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: P1428619

CATALOG NUMBER: SQ2W-WBN-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: P1428619

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4	7972.4
2.5°	7887.4	7884.6	7912.8	7932.1	7925.1	7918.1	7925.1	7932.1	7912.8	7884.6	7887.4
5°	7606.4	7616.4	7665.5	7699.4	7688.1	7676.8	7688.1	7699.4	7665.5	7616.4	7606.4
7.5°	7045.8	7058.9	7102.3	7131.8	7119.7	7107.7	7119.7	7131.8	7102.3	7058.9	7045.8
10°	6533.9	6553.0	6616.5	6653.5	6610.7	6568.0	6610.7	6653.5	6616.5	6553.0	6533.9
12.5°	5939.2	5935.8	5946.0	5947.7	5924.1	5900.4	5924.1	5947.7	5946.0	5935.8	5939.2
15°	4975.5	4960.7	4976.4	4986.5	4979.6	4972.7	4979.6	4986.5	4976.4	4960.7	4975.5
17.5°	4072.2	4051.5	4050.0	4046.9	4039.1	4031.3	4039.1	4046.9	4050.0	4051.5	4072.2
20°	3499.6	3493.9	3506.5	3515.6	3514.4	3513.1	3514.4	3515.6	3506.5	3493.9	3499.6
22.5°	3011.8	3005.9	3024.5	3035.6	3024.3	3013.0	3024.3	3035.6	3024.5	3005.9	3011.8
25°	2414.0	2399.6	2390.2	2383.6	2385.4	2387.3	2385.4	2383.6	2390.2	2399.6	2414.0
27.5°	1968.1	1963.9	1970.2	1973.8	1969.1	1964.5	1969.1	1973.8	1970.2	1963.9	1968.1
30°	1750.0	1744.3	1748.1	1749.5	1743.8	1738.2	1743.8	1749.5	1748.1	1744.3	1750.0
32.5°	1565.8	1557.1	1555.3	1553.0	1548.8	1544.7	1548.8	1553.0	1555.3	1557.1	1565.8
35°	1313.7	1302.1	1292.7	1284.2	1278.5	1272.9	1278.5	1284.2	1292.7	1302.1	1313.7
37.5°	1082.1	1069.4	1055.5	1044.0	1039.2	1034.4	1039.2	1044.0	1055.5	1069.4	1082.1
40°	933.3	921.0	904.7	891.5	887.7	883.9	887.7	891.5	904.7	921.0	933.3
42.5°	785.1	773.3	758.0	744.4	736.1	727.8	736.1	744.4	758.0	773.3	785.1
45°	576.9	572.8	555.8	531.0	482.6	434.2	482.6	531.0	555.8	572.8	576.9
47.5°	400.3	391.1	344.0	296.7	249.2	201.7	249.2	296.7	344.0	391.1	400.3
50°	303.6	294.2	231.9	179.9	158.6	137.2	158.6	179.9	231.9	294.2	303.6
52.5°	236.7	232.3	177.6	133.7	121.8	110.0	121.8	133.7	177.6	232.3	236.7
55°	145.2	143.6	114.1	90.7	85.6	80.6	85.6	90.7	114.1	143.6	145.2
57.5°	90.0	89.2	78.0	68.8	65.7	62.5	65.7	78.0	89.2	90.0	
60°	69.9	69.3	63.6	58.6	55.5	52.3	55.5	63.6	69.3	69.9	
62.5°	57.6	56.7	53.1	50.1	48.9	47.8	48.9	50.1	53.1	56.7	57.6
65°	45.3	44.6	43.4	42.3	41.6	41.0	41.6	42.3	43.4	44.6	45.3
67.5°	38.5	38.2	37.5	36.9	36.3	35.6	36.3	36.9	37.5	38.2	38.5
70°	34.3	33.6	33.0	32.4	31.7	31.1	31.7	32.4	33.0	33.6	34.3
72.5°	29.7	29.4	29.2	29.0	28.3	27.7	28.3	29.0	29.2	29.4	29.7
75°	24.0	23.7	23.1	22.6	22.6	22.6	22.6	22.6	23.1	23.7	24.0
77.5°	17.9	17.5	17.5	17.4	16.9	16.4	16.9	17.4	17.5	17.5	17.9
80°	14.5	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.5
82.5°	11.1	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.1
85°	6.0	6.0	6.6	6.9	6.3	5.7	6.3	6.9	6.6	6.0	6.0
87.5°	7.1	8.6	10.1	10.9	11.8	11.4	11.8	10.9	10.1	8.6	7.1
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	
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: P1428619

CATALOG NUMBER: SQ2W-WBN-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: P1428619

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7972.4	7972.4	7972.4	7972.4
2.5°	7921.1	7947.9	7953.9	7959.9
5°	7635.3	7658.2	7663.3	7668.3
7.5°	7062.9	7074.6	7070.4	7066.1
10°	6559.0	6575.0	6563.7	6552.4
12.5°	5956.3	5971.0	5978.3	5985.6
15°	5020.7	5061.3	5087.7	5114.1
17.5°	4112.2	4139.6	4129.5	4119.3
20°	3523.5	3540.6	3537.5	3534.3
22.5°	3042.2	3064.9	3064.3	3063.6
25°	2433.5	2448.6	2450.5	2452.4
27.5°	1982.6	1995.5	2003.3	2011.1
30°	1765.0	1777.9	1784.2	1790.5
32.5°	1581.4	1593.0	1592.7	1592.5
35°	1327.5	1337.0	1333.2	1329.4
37.5°	1093.8	1101.7	1098.2	1094.7
40°	941.4	946.9	944.4	941.9
42.5°	793.2	796.7	786.2	775.6
45°	568.1	553.1	519.8	486.5
47.5°	371.5	338.4	292.2	246.1
50°	260.2	219.7	187.6	155.6
52.5°	190.8	152.3	135.8	119.4
55°	118.8	97.4	91.1	84.9
57.5°	80.6	72.7	69.1	65.6
60°	65.5	61.6	59.1	56.6
62.5°	55.7	53.9	52.4	50.9
65°	45.3	45.1	44.5	43.8
67.5°	38.7	38.6	38.0	37.3
70°	34.9	35.2	34.6	33.9
72.5°	30.4	30.7	30.0	29.4
75°	24.0	24.0	24.0	24.0
77.5°	18.5	18.9	18.8	18.7
80°	15.1	15.4	14.8	14.1
82.5°	11.7	12.1	12.0	11.9
85°	6.6	7.1	7.1	7.1
87.5°	6.1	4.6	3.7	2.9
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: P1428619

CATALOG NUMBER: SQ2W-WBN-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: P1428619
 CATALOG NUMBER: SQ2W-WBN-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	4.01	4.74	4.92	5.63	6.76	3.63	4.36	4.54	5.25	6.39
	3H	5.23	5.88	6.15	6.79	7.94	4.84	5.48	5.76	6.39	7.55
	4H	5.75	6.36	6.68	7.27	8.44	5.35	5.96	6.29	6.87	8.04
	6H	6.10	6.66	7.04	7.58	8.76	5.68	6.24	6.62	7.16	8.34
	8H	6.25	6.78	7.20	7.71	8.88	5.82	6.35	6.77	7.28	8.46
	12H	6.34	6.84	7.29	7.77	8.97	5.89	6.39	6.84	7.31	8.51
4H	2H	4.33	4.94	5.27	5.85	7.02	4.01	4.62	4.95	5.53	6.70
	3H	5.82	6.33	6.77	7.27	8.45	5.48	5.98	6.42	6.92	8.10
	4H	6.47	6.92	7.42	7.86	9.07	6.11	6.57	7.06	7.50	8.71
	6H	6.96	7.35	7.92	8.30	9.51	6.57	6.96	7.53	7.92	9.13
	8H	7.17	7.53	8.13	8.48	9.70	6.76	7.12	7.73	8.08	9.29
	12H	7.30	7.63	8.28	8.60	9.82	6.87	7.19	7.85	8.16	9.39
8H	4H	6.63	6.99	7.59	7.94	9.16	6.31	6.67	7.27	7.62	8.84
	6H	7.26	7.56	8.25	8.55	9.77	6.90	7.20	7.89	8.19	9.41
	8H	7.58	7.84	8.58	8.82	10.06	7.19	7.45	8.19	8.43	9.67
	12H	7.81	8.03	8.80	9.01	10.30	7.39	7.61	8.39	8.59	9.88
12H	4H	6.61	6.93	7.59	7.90	9.12	6.30	6.62	7.28	7.59	8.82
	6H	7.29	7.55	8.29	8.54	9.78	6.95	7.21	7.95	8.19	9.43
	8H	7.64	7.87	8.64	8.85	10.13	7.27	7.50	8.27	8.47	9.76