

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: P1427610

Luminaire Tested: SQ2W-BBN-K-075U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427610
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-075U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

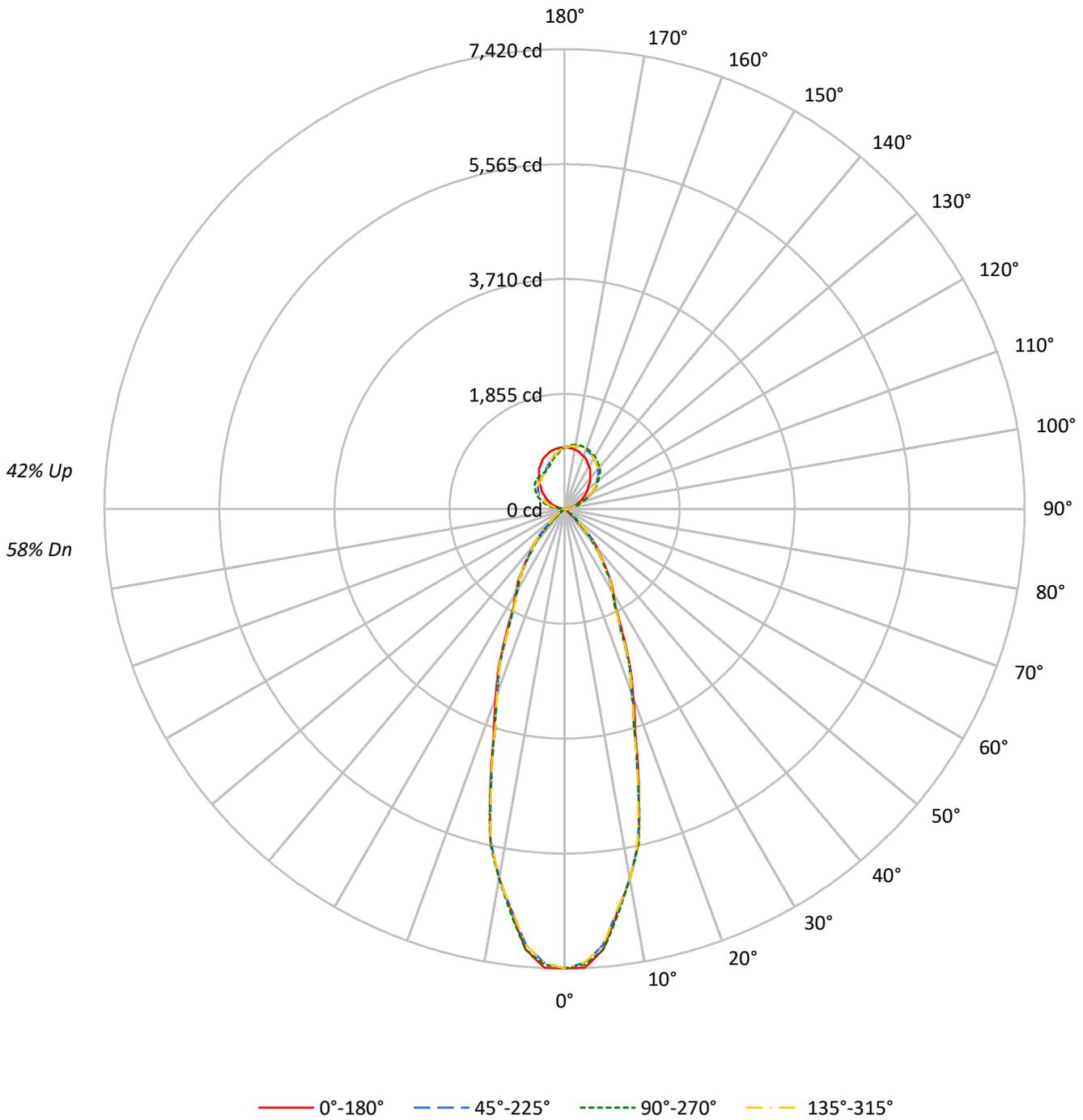
Lumens per Lamp: N/A
Luminaire Lumens: 6902.4 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58				
1	102	99	96	94	96	93	90	88	81	80	78	71	69	68	61	60	59	55				
2	96	90	86	82	90	85	81	78	75	72	70	66	64	62	57	56	55	51				
3	90	83	77	73	84	78	74	70	70	66	63	62	59	57	54	53	51	48				
4	85	76	70	66	79	72	67	63	65	61	58	58	55	53	52	50	48	45				
5	80	71	64	60	75	67	62	57	61	56	53	54	51	49	49	47	45	42				
6	75	65	59	54	71	62	57	53	57	52	49	51	48	46	46	44	42	40				
7	71	61	55	50	67	58	53	49	53	49	46	48	45	43	44	41	40	37				
8	67	57	51	46	63	55	49	45	50	46	42	46	42	40	42	39	37	35				
9	63	53	47	43	60	51	46	42	47	43	40	43	40	38	40	37	35	34				
10	60	50	44	40	57	48	43	39	45	40	37	41	38	35	38	35	33	32				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	119797	119797	119797	119797
5°	115789	115854	115789	115854
10°	99371	99371	99371	99371
15°	77132	76953	77132	76953
20°	55667	54473	55667	54473
25°	39470	37970	39470	37970
30°	29365	28343	29365	28343
35°	22850	21795	22850	21795
40°	16910	15445	16910	15445
45°	8640	6962	8640	6962
50°	1881	1376	1881	1376
55°	526	414	526	414
60°	87	42	87	42
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: 10540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.6	9.3
10°-20°	1265.0	18.3
20°-30°	1020.4	14.8
30°-40°	708.9	10.3
40°-50°	327.4	4.7
50°-60°	45.9	0.7
60°-70°	1.6	0.0
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.7	1.1
100°-110°	229.5	3.3
110°-120°	374.6	5.4
120°-130°	475.3	6.9
130°-140°	508.6	7.4
140°-150°	474.9	6.9
150°-160°	390.8	5.7
160°-170°	262.1	3.8
170°-180°	93.1	1.3
0°-30°	2927.0	42.4
0°-40°	3635.8	52.7
0°-60°	4009.1	58.1
0°-90°	4016.0	58.2
90°-120°	682.8	9.9
90°-150°	2141.7	31.0
90°-180°	2888.0	41.8
0°-180°	6902.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7420	7420	7420	7420	7420	
5°	7144	7148	7144	7148	7144	642
15°	4614	4604	4614	4604	4614	1270
25°	2216	2131	2216	2131	2216	1037
35°	1159	1106	1159	1106	1159	725
45°	378	305	378	305	378	306
55°	19	15	19	15	19	24
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	22	3	43	3	2
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°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7415.5	7403.1	7390.8	7366.3	7337.8	7336.6	7362.7	7380.3	7372.2	7364.2	7372.2
5°	7144.3	7127.1	7109.9	7089.1	7067.1	7075.4	7114.0	7143.6	7146.0	7148.3	7146.0
7.5°	6545.8	6551.4	6557.0	6542.7	6521.8	6532.7	6575.5	6606.4	6601.8	6597.2	6601.8
10°	6061.2	6065.4	6069.6	6068.8	6066.4	6072.4	6086.7	6093.3	6077.3	6061.2	6077.3
12.5°	5499.7	5516.2	5532.7	5513.6	5482.7	5478.0	5499.4	5517.1	5523.9	5530.7	5523.9
15°	4614.5	4641.2	4668.0	4630.1	4570.6	4555.2	4583.7	4605.0	4604.4	4603.8	4604.4
17.5°	3784.4	3781.6	3778.9	3755.5	3725.2	3712.7	3718.0	3721.6	3719.8	3718.0	3719.8
20°	3239.9	3235.7	3231.6	3211.4	3185.8	3170.9	3166.8	3164.4	3167.4	3170.4	3167.4
22.5°	2773.5	2766.5	2759.5	2751.0	2742.1	2732.5	2722.1	2715.4	2719.3	2723.2	2719.3
25°	2215.6	2193.1	2170.5	2152.3	2135.7	2134.5	2148.8	2156.4	2143.9	2131.4	2143.9
27.5°	1778.4	1778.0	1777.7	1767.0	1752.8	1746.5	1748.1	1749.8	1752.2	1754.6	1752.2
30°	1575.1	1571.0	1566.8	1555.5	1541.9	1535.3	1535.9	1534.6	1527.5	1520.3	1527.5
32.5°	1394.4	1397.3	1400.3	1388.3	1371.3	1361.2	1358.0	1353.8	1346.7	1339.5	1346.7
35°	1159.3	1159.3	1159.3	1149.5	1136.4	1125.4	1116.5	1109.4	1107.6	1105.8	1107.6
37.5°	941.3	940.3	939.2	932.0	922.7	911.8	899.2	888.6	883.9	879.3	883.9
40°	802.3	799.3	796.3	791.1	785.2	774.5	759.0	745.8	739.3	732.8	739.3
42.5°	644.0	651.9	659.9	657.4	651.5	640.8	625.3	611.3	601.4	591.6	601.4
45°	378.4	411.7	445.0	456.9	461.6	455.1	437.2	410.7	357.8	304.9	357.8
47.5°	162.6	199.2	235.8	266.5	295.3	286.2	239.3	193.1	149.1	105.1	149.1
50°	74.9	103.4	131.9	170.3	211.9	203.2	144.4	95.2	75.0	54.8	75.0
52.5°	43.9	58.1	72.4	108.2	151.2	147.4	96.6	55.9	45.2	34.5	45.2
55°	18.7	23.5	28.2	47.7	72.1	70.9	44.1	23.0	18.9	14.7	18.9
57.5°	7.0	9.6	12.2	19.2	27.6	27.1	17.6	9.9	7.8	5.6	7.8
60°	2.7	3.9	5.1	8.5	12.6	12.3	7.6	3.7	2.5	1.3	2.5
62.5°	0.5	1.2	2.0	3.8	6.1	6.0	3.7	1.7	1.0	0.3	1.0
65°	0.0	0.0	0.0	0.4	1.0	1.0	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	1.4	2.4	3.2	3.8	4.0	4.0	4.2	4.4	4.4	4.4
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



TEST NUMBER: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-L935-UNV-STD-W-WM-4

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°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7380.3	7362.7	7336.6	7337.8	7366.3	7390.8	7403.1	7415.5	7403.1	7390.8	7366.3
5°	7143.6	7114.0	7075.4	7067.1	7089.1	7109.9	7127.1	7144.3	7127.1	7109.9	7089.1
7.5°	6606.4	6575.5	6532.7	6521.8	6542.7	6557.0	6551.4	6545.8	6551.4	6557.0	6542.7
10°	6093.3	6086.7	6072.4	6066.4	6068.8	6069.6	6065.4	6061.2	6065.4	6069.6	6068.8
12.5°	5517.1	5499.4	5478.0	5482.7	5513.6	5532.7	5516.2	5499.7	5516.2	5532.7	5513.6
15°	4605.0	4583.7	4555.2	4570.6	4630.1	4668.0	4641.2	4614.5	4641.2	4668.0	4630.1
17.5°	3721.6	3718.0	3712.7	3725.2	3755.5	3778.9	3781.6	3784.4	3781.6	3778.9	3755.5
20°	3164.4	3166.8	3170.9	3185.8	3211.4	3231.6	3235.7	3239.9	3235.7	3231.6	3211.4
22.5°	2715.4	2722.1	2732.5	2742.1	2751.0	2759.5	2766.5	2773.5	2766.5	2759.5	2751.0
25°	2156.4	2148.8	2134.5	2135.7	2152.3	2170.5	2193.1	2215.6	2193.1	2170.5	2152.3
27.5°	1749.8	1748.1	1746.5	1752.8	1767.0	1777.7	1778.0	1778.4	1778.0	1777.7	1767.0
30°	1534.6	1535.9	1535.3	1541.9	1555.5	1566.8	1571.0	1575.1	1571.0	1566.8	1555.5
32.5°	1353.8	1358.0	1361.2	1371.3	1388.3	1400.3	1397.3	1394.4	1397.3	1400.3	1388.3
35°	1109.4	1116.5	1125.4	1136.4	1149.5	1159.3	1159.3	1159.3	1159.3	1159.3	1149.5
37.5°	888.6	899.2	911.8	922.7	932.0	939.2	940.3	941.3	940.3	939.2	932.0
40°	745.8	759.0	774.5	785.2	791.1	796.3	799.3	802.3	799.3	796.3	791.1
42.5°	611.3	625.3	640.8	651.5	657.4	659.9	651.9	644.0	651.9	659.9	657.4
45°	410.7	437.2	455.1	461.6	456.9	445.0	411.7	378.4	411.7	445.0	456.9
47.5°	193.1	239.3	286.2	295.3	266.5	235.8	199.2	162.6	199.2	235.8	266.5
50°	95.2	144.4	203.2	211.9	170.3	131.9	103.4	74.9	103.4	131.9	170.3
52.5°	55.9	96.6	147.4	151.2	108.2	72.4	58.1	43.9	58.1	72.4	108.2
55°	23.0	44.1	70.9	72.1	47.7	28.2	23.5	18.7	23.5	28.2	47.7
57.5°	9.9	17.6	27.1	27.6	19.2	12.2	9.6	7.0	9.6	12.2	19.2
60°	3.7	7.6	12.3	12.6	8.5	5.1	3.9	2.7	3.9	5.1	8.5
62.5°	1.7	3.7	6.0	6.1	3.8	2.0	1.2	0.5	1.2	2.0	3.8
65°	0.0	0.4	1.0	1.0	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°	4.2	4.0	4.0	3.8	3.2	2.4	1.4	0.6	1.4	2.2	3.6
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: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8	7419.8
2.5°	7337.8	7336.6	7362.7	7380.3	7372.2	7364.2	7372.2	7380.3	7362.7	7336.6	7337.8
5°	7067.1	7075.4	7114.0	7143.6	7146.0	7148.3	7146.0	7143.6	7114.0	7075.4	7067.1
7.5°	6521.8	6532.7	6575.5	6606.4	6601.8	6597.2	6601.8	6606.4	6575.5	6532.7	6521.8
10°	6066.4	6072.4	6086.7	6093.3	6077.3	6061.2	6077.3	6093.3	6086.7	6072.4	6066.4
12.5°	5482.7	5478.0	5499.4	5517.1	5523.9	5530.7	5523.9	5517.1	5499.4	5478.0	5482.7
15°	4570.6	4555.2	4583.7	4605.0	4604.4	4603.8	4604.4	4605.0	4583.7	4555.2	4570.6
17.5°	3725.2	3712.7	3718.0	3721.6	3719.8	3718.0	3719.8	3721.6	3718.0	3712.7	3725.2
20°	3185.8	3170.9	3166.8	3164.4	3167.4	3170.4	3167.4	3164.4	3166.8	3170.9	3185.8
22.5°	2742.1	2732.5	2722.1	2715.4	2719.3	2723.2	2719.3	2715.4	2722.1	2732.5	2742.1
25°	2135.7	2134.5	2148.8	2156.4	2143.9	2131.4	2143.9	2156.4	2148.8	2134.5	2135.7
27.5°	1752.8	1746.5	1748.1	1749.8	1752.2	1754.6	1752.2	1749.8	1748.1	1746.5	1752.8
30°	1541.9	1535.3	1535.9	1534.6	1527.5	1520.3	1527.5	1534.6	1535.9	1535.3	1541.9
32.5°	1371.3	1361.2	1358.0	1353.8	1346.7	1339.5	1346.7	1353.8	1358.0	1361.2	1371.3
35°	1136.4	1125.4	1116.5	1109.4	1107.6	1105.8	1107.6	1109.4	1116.5	1125.4	1136.4
37.5°	922.7	911.8	899.2	888.6	883.9	879.3	883.9	888.6	899.2	911.8	922.7
40°	785.2	774.5	759.0	745.8	739.3	732.8	739.3	745.8	759.0	774.5	785.2
42.5°	651.5	640.8	625.3	611.3	601.4	591.6	601.4	611.3	625.3	640.8	651.5
45°	461.6	455.1	437.2	410.7	357.8	304.9	357.8	410.7	437.2	455.1	461.6
47.5°	295.3	286.2	239.3	193.1	149.1	105.1	149.1	193.1	239.3	286.2	295.3
50°	211.9	203.2	144.4	95.2	75.0	54.8	75.0	95.2	144.4	203.2	211.9
52.5°	151.2	147.4	96.6	55.9	45.2	34.5	45.2	55.9	96.6	147.4	151.2
55°	72.1	70.9	44.1	23.0	18.9	14.7	18.9	23.0	44.1	70.9	72.1
57.5°	27.6	27.1	17.6	9.9	7.8	5.6	7.8	9.9	17.6	27.1	27.6
60°	12.6	12.3	7.6	3.7	2.5	1.3	2.5	3.7	7.6	12.3	12.6
62.5°	6.1	6.0	3.7	1.7	1.0	0.3	1.0	1.7	3.7	6.0	6.1
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
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°	4.6	6.0	7.4	8.2	9.0	8.6	9.0	8.2	7.4	6.0	4.6
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: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7419.8	7419.8	7419.8	7419.8
2.5°	7366.3	7390.8	7403.1	7415.5
5°	7089.1	7109.9	7127.1	7144.3
7.5°	6542.7	6557.0	6551.4	6545.8
10°	6068.8	6069.6	6065.4	6061.2
12.5°	5513.6	5532.7	5516.2	5499.7
15°	4630.1	4668.0	4641.2	4614.5
17.5°	3755.5	3778.9	3781.6	3784.4
20°	3211.4	3231.6	3235.7	3239.9
22.5°	2751.0	2759.5	2766.5	2773.5
25°	2152.3	2170.5	2193.1	2215.6
27.5°	1767.0	1777.7	1778.0	1778.4
30°	1555.5	1566.8	1571.0	1575.1
32.5°	1388.3	1400.3	1397.3	1394.4
35°	1149.5	1159.3	1159.3	1159.3
37.5°	932.0	939.2	940.3	941.3
40°	791.1	796.3	799.3	802.3
42.5°	657.4	659.9	651.9	644.0
45°	456.9	445.0	411.7	378.4
47.5°	266.5	235.8	199.2	162.6
50°	170.3	131.9	103.4	74.9
52.5°	108.2	72.4	58.1	43.9
55°	47.7	28.2	23.5	18.7
57.5°	19.2	12.2	9.6	7.0
60°	8.5	5.1	3.9	2.7
62.5°	3.8	2.0	1.2	0.5
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°	3.6	2.2	1.4	0.6
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: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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: P1427610

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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	0.00
	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