

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: P1427520

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427520
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-075U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

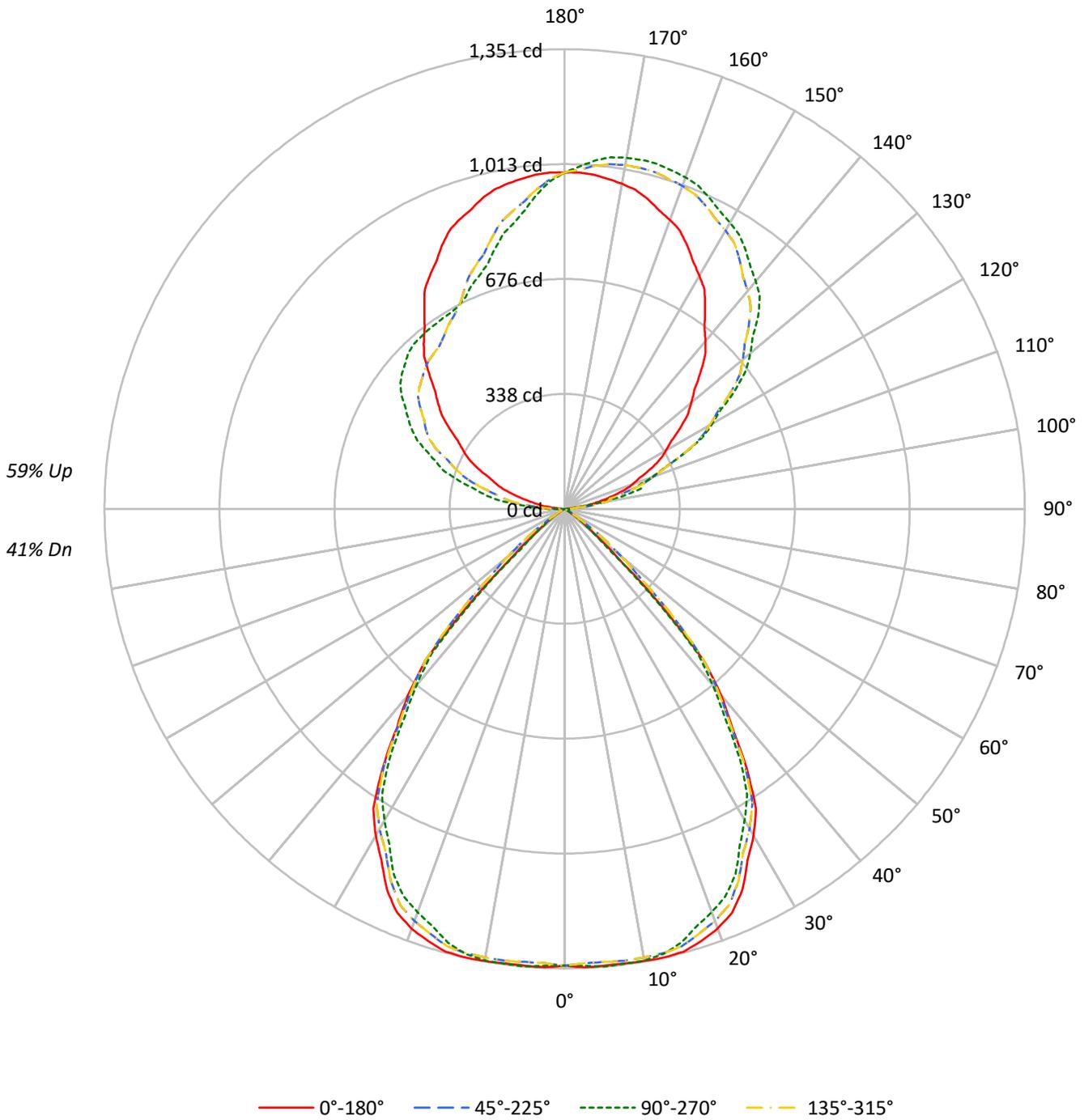
Lumens per Lamp: N/A
Luminaire Lumens: 4899.3 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.7
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	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41
1	97	94	90	88	89	86	83	81	71	69	67	57	56	55	45	44	44	38
2	90	84	79	74	82	77	73	69	64	61	59	52	50	49	42	40	39	34
3	83	75	69	64	76	69	64	60	58	54	51	48	45	43	38	37	36	31
4	77	68	61	56	71	63	57	52	53	49	45	44	41	39	36	34	32	29
5	71	61	54	49	65	57	51	46	48	44	40	40	37	35	33	31	29	26
6	66	56	49	43	61	52	45	41	44	40	36	37	34	31	31	28	27	24
7	62	51	44	39	57	47	41	37	41	36	32	34	31	28	28	26	24	22
8	58	46	39	35	53	43	37	33	37	33	29	32	28	26	26	24	22	20
9	54	43	36	31	49	40	34	30	34	30	27	29	26	24	25	22	21	18
10	50	39	33	28	46	37	31	27	32	27	24	27	24	22	23	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21685	21685	21685	21685
5°	21854	21886	21854	21886
10°	22129	22097	22129	22097
15°	22529	22079	22529	22079
20°	22556	21680	22556	21680
25°	21999	21137	21999	21137
30°	20679	19715	20679	19715
35°	18354	17666	18354	17666
40°	15053	14246	15053	14246
45°	8973	8423	8973	8423
50°	2801	2650	2801	2650
55°	1058	1058	1058	1058
60°	65	23	65	23
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: 10508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	2.6
10°-20°	376.2	7.7
20°-30°	553.4	11.3
30°-40°	565.6	11.5
40°-50°	325.8	6.7
50°-60°	56.1	1.1
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.7	1.6
100°-110°	229.5	4.7
110°-120°	374.6	7.6
120°-130°	475.3	9.7
130°-140°	508.6	10.4
140°-150°	474.9	9.7
150°-160°	390.8	8.0
160°-170°	262.1	5.3
170°-180°	93.1	1.9
0°-30°	1058.0	21.6
0°-40°	1623.6	33.1
0°-60°	2005.5	40.9
0°-90°	2012.8	41.1
90°-120°	682.8	13.9
90°-150°	2141.7	43.7
90°-180°	2888.0	58.9
0°-180°	4899.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1343	1343	1343	1343	1343	
5°	1348	1350	1348	1350	1348	129
15°	1348	1321	1348	1321	1348	380
25°	1235	1186	1235	1186	1235	563
35°	931	896	931	896	931	575
45°	393	369	393	369	393	304
55°	38	38	38	38	38	40
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°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1349.0	1347.3	1345.6	1341.6	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3
5°	1348.4	1346.9	1345.4	1341.3	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0
7.5°	1347.6	1346.6	1345.6	1342.6	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3
10°	1349.8	1349.5	1349.2	1344.6	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2
12.5°	1350.8	1352.7	1354.5	1348.0	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9
15°	1347.8	1352.8	1357.9	1348.6	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8
17.5°	1332.7	1339.9	1347.0	1334.8	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5
20°	1312.8	1321.2	1329.5	1316.2	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5
22.5°	1284.9	1292.5	1300.2	1287.3	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1
25°	1234.9	1240.0	1245.0	1232.0	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6
27.5°	1164.1	1165.5	1166.9	1156.5	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6
30°	1109.2	1109.2	1109.2	1101.2	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6
32.5°	1045.3	1044.6	1043.8	1037.9	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4
35°	931.2	934.5	937.8	933.7	927.1	919.9	912.2	905.2	900.7	896.3	900.7
37.5°	807.7	809.0	810.2	806.8	801.9	795.2	786.8	779.6	775.9	772.1	775.9
40°	714.2	714.5	714.8	710.6	704.9	699.1	693.1	687.2	681.6	675.9	681.6
42.5°	605.1	611.1	617.1	614.6	609.1	601.6	592.1	584.3	582.0	579.7	582.0
45°	393.0	419.6	446.2	456.0	460.2	456.9	446.1	430.4	399.6	368.9	399.6
47.5°	197.5	230.6	263.7	286.6	306.1	300.6	270.0	238.8	206.3	173.7	206.3
50°	111.5	131.2	150.9	181.6	216.0	210.3	164.6	127.6	116.5	105.5	116.5
52.5°	74.4	83.2	91.9	116.6	146.6	144.7	110.7	83.6	77.4	71.1	77.4
55°	37.6	40.0	42.4	53.3	67.0	66.7	52.4	41.2	39.4	37.6	39.4
57.5°	12.8	16.0	19.2	24.1	29.4	29.6	24.5	20.0	17.0	14.1	17.0
60°	2.0	5.0	8.0	11.9	16.1	15.6	10.5	6.0	3.4	0.7	3.4
62.5°	0.4	1.2	2.1	5.2	9.2	9.1	5.0	1.7	0.9	0.1	0.9
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	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



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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°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1346.5	1342.7	1337.2	1336.8	1341.6	1345.6	1347.3	1349.0	1347.3	1345.6	1341.6
5°	1351.6	1345.7	1337.7	1336.2	1341.3	1345.4	1346.9	1348.4	1346.9	1345.4	1341.3
7.5°	1351.8	1347.2	1340.6	1339.1	1342.6	1345.6	1346.6	1347.6	1346.6	1345.6	1342.6
10°	1350.7	1346.0	1339.1	1338.6	1344.6	1349.2	1349.5	1349.8	1349.5	1349.2	1344.6
12.5°	1345.6	1342.2	1336.8	1338.7	1348.0	1354.5	1352.7	1350.8	1352.7	1354.5	1348.0
15°	1328.6	1328.9	1328.0	1334.6	1348.6	1357.9	1352.8	1347.8	1352.8	1357.9	1348.6
17.5°	1298.0	1301.8	1305.1	1316.1	1334.8	1347.0	1339.9	1332.7	1339.9	1347.0	1334.8
20°	1271.3	1276.8	1282.4	1295.6	1316.2	1329.5	1321.2	1312.8	1321.2	1329.5	1316.2
22.5°	1240.9	1247.2	1254.3	1267.7	1287.3	1300.2	1292.5	1284.9	1292.5	1300.2	1287.3
25°	1190.7	1195.2	1200.6	1212.9	1232.0	1245.0	1240.0	1234.9	1240.0	1245.0	1232.0
27.5°	1119.3	1125.0	1131.7	1142.2	1156.5	1166.9	1165.5	1164.1	1165.5	1166.9	1156.5
30°	1067.7	1074.3	1081.5	1090.4	1101.2	1109.2	1109.2	1109.2	1109.2	1109.2	1101.2
32.5°	1007.5	1014.6	1022.5	1030.3	1037.9	1043.8	1044.6	1045.3	1044.6	1043.8	1037.9
35°	905.2	912.2	919.9	927.1	933.7	937.8	934.5	931.2	934.5	937.8	933.7
37.5°	779.6	786.8	795.2	801.9	806.8	810.2	809.0	807.7	809.0	810.2	806.8
40°	687.2	693.1	699.1	704.9	710.6	714.8	714.5	714.2	714.5	714.8	710.6
42.5°	584.3	592.1	601.6	609.1	614.6	617.1	611.1	605.1	611.1	617.1	614.6
45°	430.4	446.1	456.9	460.2	456.0	446.2	419.6	393.0	419.6	446.2	456.0
47.5°	238.8	270.0	300.6	306.1	286.6	263.7	230.6	197.5	230.6	263.7	286.6
50°	127.6	164.6	210.3	216.0	181.6	150.9	131.2	111.5	131.2	150.9	181.6
52.5°	83.6	110.7	144.7	146.6	116.6	91.9	83.2	74.4	83.2	91.9	116.6
55°	41.2	52.4	66.7	67.0	53.3	42.4	40.0	37.6	40.0	42.4	53.3
57.5°	20.0	24.5	29.6	29.4	24.1	19.2	16.0	12.8	16.0	19.2	24.1
60°	6.0	10.5	15.6	16.1	11.9	8.0	5.0	2.0	5.0	8.0	11.9
62.5°	1.7	5.0	9.1	9.2	5.2	2.1	1.2	0.4	1.2	2.1	5.2
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
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: P1427520

CATALOG NUMBER: SQ2W-BBM-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: P1427520

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3	1346.5	1342.7	1337.2	1336.8
5°	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0	1351.6	1345.7	1337.7	1336.2
7.5°	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3	1351.8	1347.2	1340.6	1339.1
10°	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2	1350.7	1346.0	1339.1	1338.6
12.5°	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9	1345.6	1342.2	1336.8	1338.7
15°	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8	1328.6	1328.9	1328.0	1334.6
17.5°	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5	1298.0	1301.8	1305.1	1316.1
20°	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5	1271.3	1276.8	1282.4	1295.6
22.5°	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1	1240.9	1247.2	1254.3	1267.7
25°	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6	1190.7	1195.2	1200.6	1212.9
27.5°	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6	1119.3	1125.0	1131.7	1142.2
30°	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6	1067.7	1074.3	1081.5	1090.4
32.5°	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4	1007.5	1014.6	1022.5	1030.3
35°	927.1	919.9	912.2	905.2	900.7	896.3	900.7	905.2	912.2	919.9	927.1
37.5°	801.9	795.2	786.8	779.6	775.9	772.1	775.9	779.6	786.8	795.2	801.9
40°	704.9	699.1	693.1	687.2	681.6	675.9	681.6	687.2	693.1	699.1	704.9
42.5°	609.1	601.6	592.1	584.3	582.0	579.7	582.0	584.3	592.1	601.6	609.1
45°	460.2	456.9	446.1	430.4	399.6	368.9	399.6	430.4	446.1	456.9	460.2
47.5°	306.1	300.6	270.0	238.8	206.3	173.7	206.3	238.8	270.0	300.6	306.1
50°	216.0	210.3	164.6	127.6	116.5	105.5	116.5	127.6	164.6	210.3	216.0
52.5°	146.6	144.7	110.7	83.6	77.4	71.1	77.4	83.6	110.7	144.7	146.6
55°	67.0	66.7	52.4	41.2	39.4	37.6	39.4	41.2	52.4	66.7	67.0
57.5°	29.4	29.6	24.5	20.0	17.0	14.1	17.0	20.0	24.5	29.6	29.4
60°	16.1	15.6	10.5	6.0	3.4	0.7	3.4	6.0	10.5	15.6	16.1
62.5°	9.2	9.1	5.0	1.7	0.9	0.1	0.9	1.7	5.0	9.1	9.2
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
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: P1427520

CATALOG NUMBER: SQ2W-BBM-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: P1427520

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1343.1	1343.1	1343.1	1343.1
2.5°	1341.6	1345.6	1347.3	1349.0
5°	1341.3	1345.4	1346.9	1348.4
7.5°	1342.6	1345.6	1346.6	1347.6
10°	1344.6	1349.2	1349.5	1349.8
12.5°	1348.0	1354.5	1352.7	1350.8
15°	1348.6	1357.9	1352.8	1347.8
17.5°	1334.8	1347.0	1339.9	1332.7
20°	1316.2	1329.5	1321.2	1312.8
22.5°	1287.3	1300.2	1292.5	1284.9
25°	1232.0	1245.0	1240.0	1234.9
27.5°	1156.5	1166.9	1165.5	1164.1
30°	1101.2	1109.2	1109.2	1109.2
32.5°	1037.9	1043.8	1044.6	1045.3
35°	933.7	937.8	934.5	931.2
37.5°	806.8	810.2	809.0	807.7
40°	710.6	714.8	714.5	714.2
42.5°	614.6	617.1	611.1	605.1
45°	456.0	446.2	419.6	393.0
47.5°	286.6	263.7	230.6	197.5
50°	181.6	150.9	131.2	111.5
52.5°	116.6	91.9	83.2	74.4
55°	53.3	42.4	40.0	37.6
57.5°	24.1	19.2	16.0	12.8
60°	11.9	8.0	5.0	2.0
62.5°	5.2	2.1	1.2	0.4
65°	0.2	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: P1427520

CATALOG NUMBER: SQ2W-BBM-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: P1427520
 CATALOG NUMBER: SQ2W-BBM-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	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