

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: P1428618

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428618
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

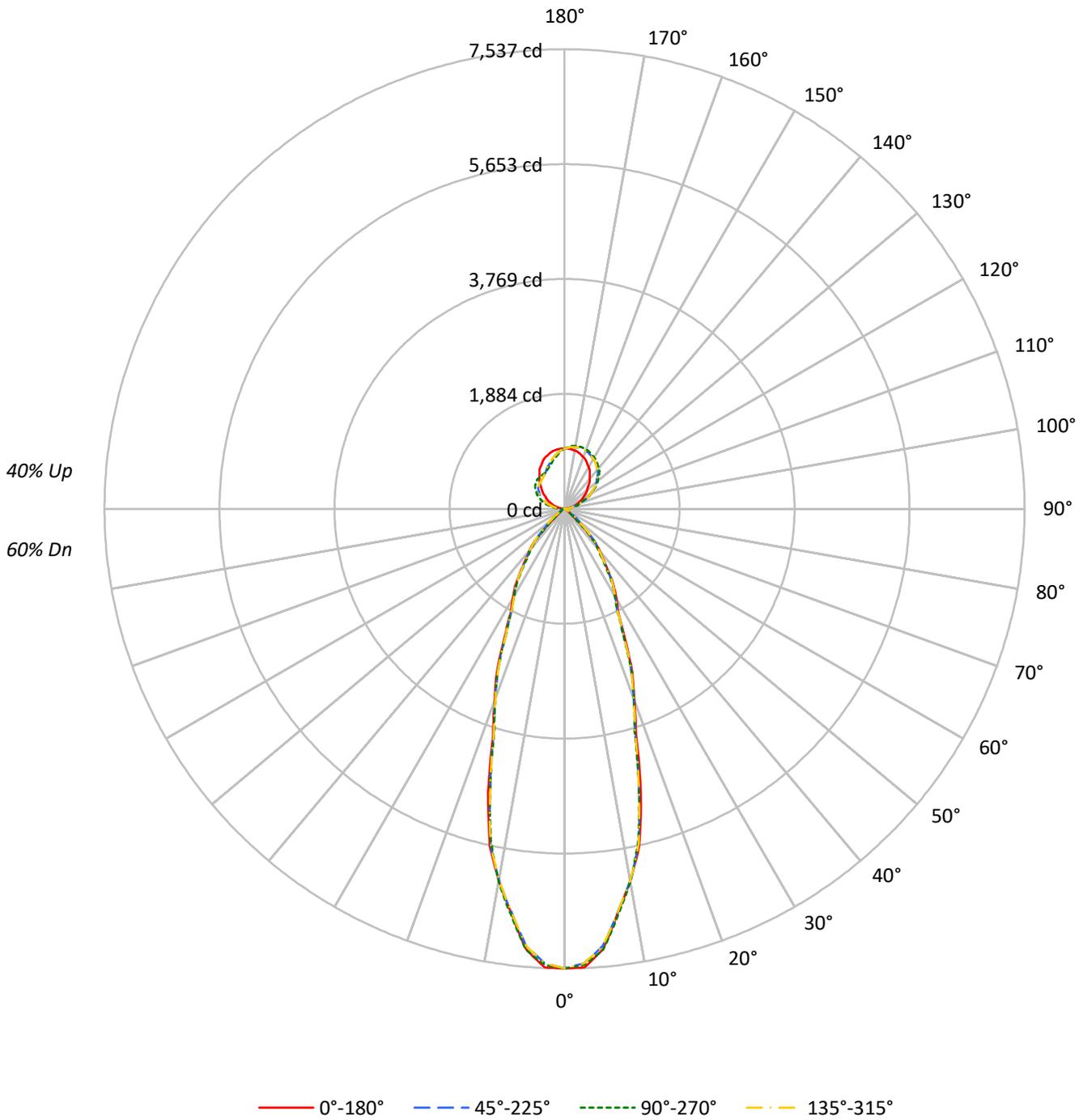
Lumens per Lamp: N/A
Luminaire Lumens: 7268.3 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20												
RC	80					70					50					30					10					0							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	60				
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	56				
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	52				
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	49				
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	45				
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	42				
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	40				
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	37				
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	35				
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	33				
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	32				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	121689	121689	121689	121689
5°	117494	117624	117494	117624
10°	101558	101799	101558	101799
15°	80814	78579	80814	78579
20°	57409	57064	57409	57064
25°	41303	40206	41303	40206
30°	31557	30635	31557	30635
35°	24772	23717	24772	23717
40°	18769	17614	18769	17614
45°	10501	9373	10501	9373
50°	3695	3258	3695	3258
55°	2258	2145	2258	2145
60°	1728	1598	1728	1598
65°	1582	1482	1582	1482
70°	1515	1388	1515	1388
75°	1416	1335	1416	1335
80°	1246	1246	1246	1246
85°	1241	982	1241	982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 12453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.3	9.0
10°-20°	1300.3	17.9
20°-30°	1076.8	14.8
30°-40°	774.7	10.7
40°-50°	394.6	5.4
50°-60°	102.6	1.4
60°-70°	42.6	0.6
70°-80°	23.7	0.3
80°-90°	11.1	0.2
90°-100°	78.7	1.1
100°-110°	229.5	3.2
110°-120°	374.6	5.2
120°-130°	475.3	6.5
130°-140°	508.6	7.0
140°-150°	474.9	6.5
150°-160°	390.8	5.4
160°-170°	262.1	3.6
170°-180°	93.1	1.3
0°-30°	3031.4	41.7
0°-40°	3806.1	52.4
0°-60°	4303.3	59.2
0°-90°	4380.7	60.3
90°-120°	682.8	9.4
90°-150°	2141.7	29.5
90°-180°	2888.0	39.7
0°-180°	7268.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7537	7537	7537	7537	7537	
5°	7250	7258	7250	7258	7250	654
15°	4835	4701	4835	4701	4835	1312
25°	2318	2257	2318	2257	2318	1091
35°	1257	1203	1257	1203	1257	789
45°	460	410	460	410	460	368
55°	80	76	80	76	80	79
65°	41	39	41	39	41	41
75°	23	21	23	21	23	24
85°	7	5	7	5	7	7
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°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7525.2	7519.5	7513.8	7488.5	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3
5°	7249.5	7244.8	7240.0	7218.3	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2
7.5°	6680.2	6684.2	6688.3	6677.2	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9
10°	6194.6	6205.3	6216.0	6200.8	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7
12.5°	5658.7	5651.8	5644.9	5631.1	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5
15°	4834.8	4809.8	4784.9	4746.5	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6
17.5°	3894.3	3903.9	3913.6	3887.6	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5
20°	3341.3	3344.3	3347.2	3331.0	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4
22.5°	2896.3	2896.9	2897.5	2876.1	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2
25°	2318.5	2316.7	2314.9	2300.6	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2
27.5°	1901.3	1893.9	1886.6	1874.4	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6
30°	1692.7	1686.8	1680.8	1668.6	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6
32.5°	1505.5	1505.8	1506.0	1495.0	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3
35°	1256.8	1260.4	1264.0	1255.0	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7
37.5°	1034.9	1038.2	1041.5	1034.1	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4
40°	890.5	892.9	895.2	890.0	882.3	870.7	855.3	842.8	839.2	835.7	839.2
42.5°	733.2	743.2	753.2	749.9	742.2	731.1	716.6	703.7	695.9	688.0	695.9
45°	459.9	491.4	522.9	537.1	545.4	541.5	525.5	502.0	456.2	410.5	456.2
47.5°	232.6	276.3	319.9	351.2	378.4	369.7	325.2	280.5	235.6	190.7	235.6
50°	147.1	177.4	207.7	246.0	287.0	278.1	219.3	170.1	149.9	129.7	149.9
52.5°	112.8	128.4	144.0	180.4	223.8	219.6	167.9	126.4	115.2	104.0	115.2
55°	80.2	86.2	92.1	112.3	137.3	135.8	107.9	85.7	81.0	76.2	81.0
57.5°	62.0	65.4	68.7	76.2	85.1	84.3	73.7	65.0	62.1	59.1	62.1
60°	53.5	55.9	58.2	62.0	66.1	65.5	60.2	55.4	52.4	49.5	52.4
62.5°	48.1	49.6	51.0	52.7	54.5	53.6	50.2	47.3	46.3	45.2	46.3
65°	41.4	42.0	42.6	42.8	42.8	42.2	41.0	40.0	39.4	38.8	39.4
67.5°	35.3	35.9	36.5	36.5	36.4	36.1	35.5	34.9	34.3	33.7	34.3
70°	32.1	32.7	33.3	33.0	32.4	31.8	31.2	30.6	30.0	29.4	30.0
72.5°	27.8	28.4	29.0	28.7	28.1	27.8	27.6	27.4	26.8	26.2	26.8
75°	22.7	22.7	22.7	22.7	22.7	22.4	21.8	21.4	21.4	21.4	21.4
77.5°	17.6	17.8	17.9	17.5	16.9	16.6	16.6	16.5	16.0	15.5	16.0
80°	13.4	14.0	14.6	14.3	13.7	13.4	13.4	13.4	13.4	13.4	13.4
82.5°	11.2	11.4	11.5	11.1	10.5	10.2	10.2	10.2	10.2	10.2	10.2
85°	6.7	6.7	6.7	6.2	5.6	5.6	6.2	6.5	5.9	5.3	5.9
87.5°	2.7	3.5	4.5	5.3	5.9	6.1	6.1	6.3	6.5	6.5	6.5
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°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7498.9	7480.6	7454.0	7456.6	7488.5	7513.8	7519.5	7525.2	7519.5	7513.8	7488.5
5°	7278.9	7246.8	7200.5	7191.0	7218.3	7240.0	7244.8	7249.5	7244.8	7240.0	7218.3
7.5°	6742.3	6714.4	6673.4	6661.0	6677.2	6688.3	6684.2	6680.2	6684.2	6688.3	6677.2
10°	6290.1	6255.2	6195.2	6177.0	6200.8	6216.0	6205.3	6194.6	6205.3	6216.0	6200.8
12.5°	5622.9	5621.2	5611.6	5614.9	5631.1	5644.9	5651.8	5658.7	5651.8	5644.9	5631.1
15°	4714.2	4704.7	4689.8	4703.8	4746.5	4784.9	4809.8	4834.8	4809.8	4784.9	4746.5
17.5°	3825.9	3828.8	3830.2	3849.8	3887.6	3913.6	3903.9	3894.3	3903.9	3913.6	3887.6
20°	3323.6	3315.0	3303.1	3308.5	3331.0	3347.2	3344.3	3341.3	3344.3	3347.2	3331.0
22.5°	2869.9	2859.3	2841.7	2847.3	2876.1	2897.5	2896.9	2896.3	2896.9	2897.5	2876.1
25°	2253.4	2259.6	2268.5	2282.2	2300.6	2314.9	2316.7	2318.5	2316.7	2314.9	2300.6
27.5°	1866.0	1862.6	1856.7	1860.6	1874.4	1886.6	1893.9	1901.3	1893.9	1886.6	1874.4
30°	1653.9	1652.6	1649.0	1654.4	1668.6	1680.8	1686.8	1692.7	1686.8	1680.8	1668.6
32.5°	1468.2	1470.4	1472.1	1480.3	1495.0	1506.0	1505.8	1505.5	1505.8	1506.0	1495.0
35°	1214.0	1222.1	1231.0	1242.0	1255.0	1264.0	1260.4	1256.8	1260.4	1264.0	1255.0
37.5°	987.0	997.9	1011.0	1023.0	1034.1	1041.5	1038.2	1034.9	1038.2	1041.5	1034.1
40°	842.8	855.3	870.7	882.3	890.0	895.2	892.9	890.5	892.9	895.2	890.0
42.5°	703.7	716.6	731.1	742.2	749.9	753.2	743.2	733.2	743.2	753.2	749.9
45°	502.0	525.5	541.5	545.4	537.1	522.9	491.4	459.9	491.4	522.9	537.1
47.5°	280.5	325.2	369.7	378.4	351.2	319.9	276.3	232.6	276.3	319.9	351.2
50°	170.1	219.3	278.1	287.0	246.0	207.7	177.4	147.1	177.4	207.7	246.0
52.5°	126.4	167.9	219.6	223.8	180.4	144.0	128.4	112.8	128.4	144.0	180.4
55°	85.7	107.9	135.8	137.3	112.3	92.1	86.2	80.2	86.2	92.1	112.3
57.5°	65.0	73.7	84.3	85.1	76.2	68.7	65.4	62.0	65.4	68.7	76.2
60°	55.4	60.2	65.5	66.1	62.0	58.2	55.9	53.5	55.9	58.2	62.0
62.5°	47.3	50.2	53.6	54.5	52.7	51.0	49.6	48.1	49.6	51.0	52.7
65°	40.0	41.0	42.2	42.8	42.8	42.6	42.0	41.4	42.0	42.6	42.8
67.5°	34.9	35.5	36.1	36.4	36.5	36.5	35.9	35.3	35.9	36.5	36.5
70°	30.6	31.2	31.8	32.4	33.0	33.3	32.7	32.1	32.7	33.3	33.0
72.5°	27.4	27.6	27.8	28.1	28.7	29.0	28.4	27.8	28.4	29.0	28.7
75°	21.4	21.8	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
77.5°	16.5	16.6	16.6	16.9	17.5	17.9	17.8	17.6	17.8	17.9	17.5
80°	13.4	13.4	13.4	13.7	14.3	14.6	14.0	13.4	14.0	14.6	14.3
82.5°	10.2	10.2	10.2	10.5	11.1	11.5	11.4	11.2	11.4	11.5	11.1
85°	6.5	6.2	5.6	5.6	6.2	6.7	6.7	6.7	6.7	6.7	6.2
87.5°	6.3	6.1	6.1	5.9	5.3	4.5	3.5	2.7	3.5	4.3	5.7
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: P1428618

CATALOG NUMBER: SQ2W-WBN-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: P1428618

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3	7498.9	7480.6	7454.0	7456.6
5°	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2	7278.9	7246.8	7200.5	7191.0
7.5°	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9	6742.3	6714.4	6673.4	6661.0
10°	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7	6290.1	6255.2	6195.2	6177.0
12.5°	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5	5622.9	5621.2	5611.6	5614.9
15°	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6	4714.2	4704.7	4689.8	4703.8
17.5°	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5	3825.9	3828.8	3830.2	3849.8
20°	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4	3323.6	3315.0	3303.1	3308.5
22.5°	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2	2869.9	2859.3	2841.7	2847.3
25°	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2	2253.4	2259.6	2268.5	2282.2
27.5°	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6	1866.0	1862.6	1856.7	1860.6
30°	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6	1653.9	1652.6	1649.0	1654.4
32.5°	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3	1468.2	1470.4	1472.1	1480.3
35°	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7	1214.0	1222.1	1231.0	1242.0
37.5°	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4	987.0	997.9	1011.0	1023.0
40°	882.3	870.7	855.3	842.8	839.2	835.7	839.2	842.8	855.3	870.7	882.3
42.5°	742.2	731.1	716.6	703.7	695.9	688.0	695.9	703.7	716.6	731.1	742.2
45°	545.4	541.5	525.5	502.0	456.2	410.5	456.2	502.0	525.5	541.5	545.4
47.5°	378.4	369.7	325.2	280.5	235.6	190.7	235.6	280.5	325.2	369.7	378.4
50°	287.0	278.1	219.3	170.1	149.9	129.7	149.9	170.1	219.3	278.1	287.0
52.5°	223.8	219.6	167.9	126.4	115.2	104.0	115.2	126.4	167.9	219.6	223.8
55°	137.3	135.8	107.9	85.7	81.0	76.2	81.0	85.7	107.9	135.8	137.3
57.5°	85.1	84.3	73.7	65.0	62.1	59.1	62.1	65.0	73.7	84.3	85.1
60°	66.1	65.5	60.2	55.4	52.4	49.5	52.4	55.4	60.2	65.5	66.1
62.5°	54.5	53.6	50.2	47.3	46.3	45.2	46.3	47.3	50.2	53.6	54.5
65°	42.8	42.2	41.0	40.0	39.4	38.8	39.4	40.0	41.0	42.2	42.8
67.5°	36.4	36.1	35.5	34.9	34.3	33.7	34.3	34.9	35.5	36.1	36.4
70°	32.4	31.8	31.2	30.6	30.0	29.4	30.0	30.6	31.2	31.8	32.4
72.5°	28.1	27.8	27.6	27.4	26.8	26.2	26.8	27.4	27.6	27.8	28.1
75°	22.7	22.4	21.8	21.4	21.4	21.4	21.4	21.4	21.8	22.4	22.7
77.5°	16.9	16.6	16.6	16.5	16.0	15.5	16.0	16.5	16.6	16.6	16.9
80°	13.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.7
82.5°	10.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.5
85°	5.6	5.6	6.2	6.5	5.9	5.3	5.9	6.5	6.2	5.6	5.6
87.5°	6.7	8.1	9.5	10.3	11.1	10.7	11.1	10.3	9.5	8.1	6.7
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: P1428618

CATALOG NUMBER: SQ2W-WBN-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: P1428618

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7537.0	7537.0	7537.0	7537.0
2.5°	7488.5	7513.8	7519.5	7525.2
5°	7218.3	7240.0	7244.8	7249.5
7.5°	6677.2	6688.3	6684.2	6680.2
10°	6200.8	6216.0	6205.3	6194.6
12.5°	5631.1	5644.9	5651.8	5658.7
15°	4746.5	4784.9	4809.8	4834.8
17.5°	3887.6	3913.6	3903.9	3894.3
20°	3331.0	3347.2	3344.3	3341.3
22.5°	2876.1	2897.5	2896.9	2896.3
25°	2300.6	2314.9	2316.7	2318.5
27.5°	1874.4	1886.6	1893.9	1901.3
30°	1668.6	1680.8	1686.8	1692.7
32.5°	1495.0	1506.0	1505.8	1505.5
35°	1255.0	1264.0	1260.4	1256.8
37.5°	1034.1	1041.5	1038.2	1034.9
40°	890.0	895.2	892.9	890.5
42.5°	749.9	753.2	743.2	733.2
45°	537.1	522.9	491.4	459.9
47.5°	351.2	319.9	276.3	232.6
50°	246.0	207.7	177.4	147.1
52.5°	180.4	144.0	128.4	112.8
55°	112.3	92.1	86.2	80.2
57.5°	76.2	68.7	65.4	62.0
60°	62.0	58.2	55.9	53.5
62.5°	52.7	51.0	49.6	48.1
65°	42.8	42.6	42.0	41.4
67.5°	36.5	36.5	35.9	35.3
70°	33.0	33.3	32.7	32.1
72.5°	28.7	29.0	28.4	27.8
75°	22.7	22.7	22.7	22.7
77.5°	17.5	17.9	17.8	17.6
80°	14.3	14.6	14.0	13.4
82.5°	11.1	11.5	11.4	11.2
85°	6.2	6.7	6.7	6.7
87.5°	5.7	4.3	3.5	2.7
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: P1428618

CATALOG NUMBER: SQ2W-WBN-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: P1428618
 CATALOG NUMBER: SQ2W-WBN-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	3.81	4.54	4.72	5.43	6.57	3.43	4.16	4.34	5.05	6.19
	3H	5.04	5.68	5.96	6.59	7.75	4.64	5.29	5.56	6.19	7.35
	4H	5.55	6.16	6.49	7.07	8.24	5.16	5.76	6.09	6.67	7.84
	6H	5.91	6.46	6.85	7.38	8.56	5.49	6.05	6.43	6.96	8.14
	8H	6.05	6.58	7.00	7.51	8.69	5.63	6.16	6.58	7.09	8.27
	12H	6.15	6.65	7.10	7.57	8.77	5.70	6.20	6.65	7.12	8.32
4H	2H	4.13	4.74	5.07	5.65	6.82	3.82	4.43	4.76	5.33	6.51
	3H	5.63	6.13	6.57	7.07	8.25	5.28	5.78	6.23	6.73	7.91
	4H	6.27	6.73	7.22	7.66	8.87	5.92	6.37	6.87	7.31	8.52
	6H	6.76	7.15	7.73	8.11	9.32	6.38	6.77	7.34	7.72	8.93
	8H	6.97	7.34	7.94	8.29	9.51	6.57	6.93	7.54	7.89	9.11
	12H	7.11	7.43	8.09	8.40	9.63	6.68	7.00	7.66	7.97	9.20
8H	4H	6.43	6.80	7.40	7.75	8.97	6.11	6.48	7.08	7.43	8.65
	6H	7.07	7.36	8.06	8.36	9.58	6.71	7.01	7.70	8.00	9.22
	8H	7.39	7.64	8.38	8.63	9.87	7.00	7.26	8.00	8.25	9.48
	12H	7.61	7.84	8.61	8.82	10.10	7.20	7.43	8.20	8.40	9.69
12H	4H	6.41	6.73	7.39	7.70	8.93	6.10	6.43	7.09	7.40	8.62
	6H	7.10	7.36	8.10	8.35	9.58	6.76	7.02	7.76	8.01	9.24
	8H	7.45	7.68	8.45	8.66	9.94	7.09	7.31	8.08	8.29	9.57