

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: P1428550

Luminaire Tested: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428550
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

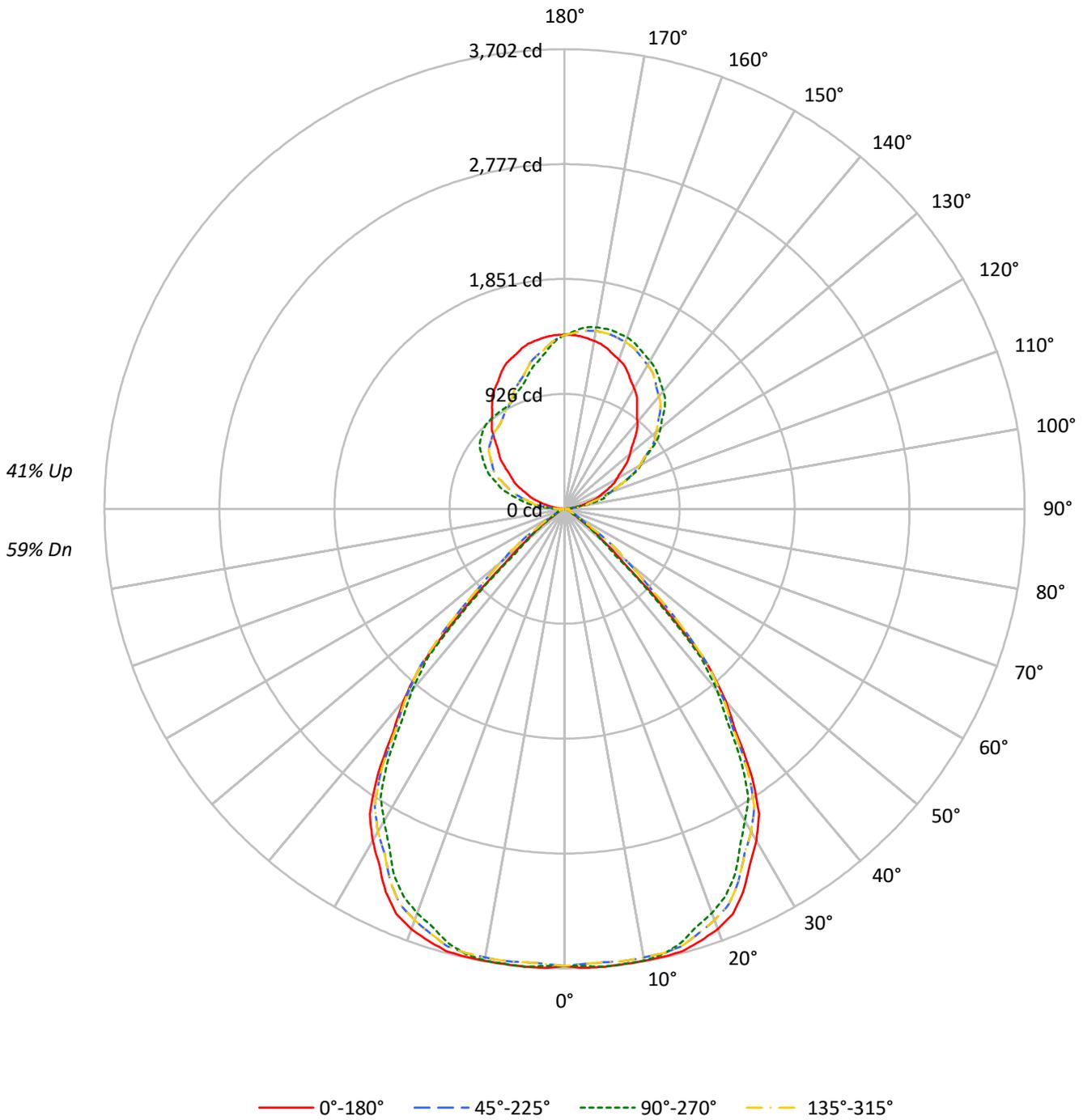
Lumens per Lamp: N/A
Luminaire Lumens: 9855.9 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.9
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

TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0														
RCR																																						
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	59																				
1	102	98	95	92	95	92	89	87	80	78	77	70	68	67	60	59	58	53																				
2	94	88	83	79	88	83	79	75	73	70	67	64	62	60	55	54	52	48																				
3	88	80	74	69	82	75	70	65	67	62	59	59	56	53	51	49	47	44																				
4	81	72	65	60	76	68	62	58	61	56	53	54	50	48	47	45	43	40																				
5	76	66	59	53	71	62	56	51	56	51	47	49	46	43	44	41	39	36																				
6	71	60	53	48	66	57	50	46	51	46	42	46	42	39	41	38	35	33																				
7	66	55	48	43	62	52	46	41	47	42	38	42	38	35	38	35	32	30																				
8	62	50	43	39	58	48	42	37	43	38	35	39	35	32	35	32	30	28																				
9	58	47	40	35	54	44	38	34	40	35	32	36	32	29	33	30	27	25																				
10	54	43	36	32	51	41	35	31	37	32	29	34	30	27	31	27	25	23																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	59458	59458	59458	59458
5°	59999	59972	59999	59972
10°	60606	60578	60606	60578
15°	61615	60522	61615	60522
20°	61909	59543	61909	59543
25°	60636	57867	60636	57867
30°	57531	54108	57531	54108
35°	51741	48820	51741	48820
40°	42419	40184	42419	40184
45°	26523	24911	26523	24911
50°	10376	9490	10376	9490
55°	5117	5070	5117	5070
60°	2393	2167	2393	2167
65°	2159	2025	2159	2025
70°	2082	2002	2082	2002
75°	2090	1871	2090	1871
80°	1971	1804	1971	1804
85°	1964	1630	1964	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 30192 cd/sqm

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CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.1	3.6
10°-20°	1029.6	10.4
20°-30°	1522.3	15.4
30°-40°	1575.0	16.0
40°-50°	947.4	9.6
50°-60°	226.5	2.3
60°-70°	61.9	0.6
70°-80°	34.6	0.4
80°-90°	16.7	0.2
90°-100°	111.5	1.1
100°-110°	325.1	3.3
110°-120°	530.5	5.4
120°-130°	673.2	6.8
130°-140°	720.3	7.3
140°-150°	672.6	6.8
150°-160°	553.5	5.6
160°-170°	371.2	3.8
170°-180°	131.8	1.3
0°-30°	2903.9	29.5
0°-40°	4479.0	45.4
0°-60°	5652.9	57.4
0°-90°	5766.2	58.5
90°-120°	967.1	9.8
90°-150°	3033.2	30.8
90°-180°	4090.0	41.5
0°-180°	9855.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3683	3683	3683	3683	3683	
5°	3702	3700	3702	3700	3702	353
15°	3686	3621	3686	3621	3686	1039
25°	3404	3248	3404	3248	3404	1556
35°	2625	2477	2625	2477	2625	1611
45°	1162	1091	1162	1091	1162	898
55°	182	180	182	180	182	182
65°	56	53	56	53	56	57
75°	34	30	34	30	34	35
85°	11	9	11	9	11	11
90°	4	31	4	61	4	4
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3701.0	3696.6	3692.2	3681.2	3668.0	3668.3	3682.2	3691.7	3688.6	3685.4	3688.6
5°	3702.0	3696.5	3691.1	3678.5	3663.6	3667.1	3689.1	3705.0	3702.6	3700.3	3702.6
7.5°	3698.2	3695.8	3693.5	3684.3	3672.8	3675.4	3692.0	3703.6	3700.0	3696.4	3700.0
10°	3696.7	3697.5	3698.3	3686.2	3669.7	3670.1	3687.3	3699.7	3697.3	3695.0	3697.3
12.5°	3695.3	3701.8	3708.2	3691.8	3667.8	3662.5	3676.0	3684.8	3679.3	3673.8	3679.3
15°	3686.2	3698.7	3711.3	3689.1	3655.4	3638.5	3638.5	3636.5	3628.7	3620.8	3628.7
17.5°	3647.0	3661.9	3676.8	3646.7	3601.7	3573.1	3561.0	3549.6	3540.0	3530.4	3540.0
20°	3603.2	3618.1	3633.0	3597.3	3544.7	3508.6	3489.0	3473.3	3469.4	3465.5	3469.4
22.5°	3534.0	3550.1	3566.3	3528.1	3471.8	3432.8	3411.3	3393.6	3387.2	3380.7	3387.2
25°	3403.7	3416.2	3428.8	3389.0	3331.7	3295.2	3279.5	3265.6	3257.0	3248.3	3257.0
27.5°	3230.0	3236.9	3243.8	3205.3	3151.6	3115.8	3097.9	3081.5	3069.6	3057.7	3069.6
30°	3085.9	3089.1	3092.2	3061.2	3018.8	2985.9	2962.3	2940.0	2921.1	2902.3	2921.1
32.5°	2915.0	2918.2	2921.3	2894.1	2856.7	2826.9	2804.6	2784.2	2769.1	2754.0	2769.1
35°	2625.1	2623.6	2622.0	2604.6	2581.8	2557.5	2531.6	2508.2	2492.5	2476.9	2492.5
37.5°	2262.5	2264.7	2266.9	2253.9	2235.9	2216.7	2196.3	2177.0	2161.2	2145.3	2161.2
40°	2012.6	2014.1	2015.7	2004.9	1990.0	1967.6	1937.8	1914.5	1910.6	1906.6	1910.6
42.5°	1707.5	1731.0	1754.6	1745.0	1724.5	1702.7	1679.8	1658.1	1639.7	1621.3	1639.7
45°	1161.6	1233.0	1304.4	1322.3	1322.3	1308.6	1281.1	1241.7	1166.3	1091.0	1166.3
47.5°	656.0	737.3	818.6	872.0	916.1	897.3	815.7	731.7	640.2	548.7	640.2
50°	413.1	468.0	523.0	591.4	664.4	644.4	531.4	439.0	408.4	377.8	408.4
52.5°	293.1	321.0	348.9	413.5	490.2	480.9	385.4	309.8	293.7	277.5	293.7
55°	181.8	192.0	202.2	233.6	272.1	269.7	226.6	192.6	186.3	180.1	186.3
57.5°	108.0	118.6	129.1	143.0	158.1	158.1	143.0	129.2	119.3	109.5	119.3
60°	74.1	82.8	91.4	103.0	115.5	114.0	98.3	84.3	75.7	67.1	75.7
62.5°	64.3	67.9	71.5	80.4	91.1	90.1	77.6	67.4	64.4	61.4	64.4
65°	56.5	57.3	58.1	58.8	59.6	59.2	57.7	56.1	54.5	53.0	54.5
67.5°	49.8	50.6	51.4	51.1	50.5	50.1	49.9	49.4	48.0	46.6	48.0
70°	44.1	44.9	45.7	45.9	45.9	45.5	44.7	43.9	43.2	42.4	43.2
72.5°	39.9	40.7	41.5	41.2	40.6	40.2	40.0	39.5	38.1	36.7	38.1
75°	33.5	33.5	33.5	33.5	33.5	33.2	32.4	31.6	30.8	30.0	30.8
77.5°	25.4	26.2	27.0	26.6	25.8	25.4	25.4	25.2	24.4	23.7	24.4
80°	21.2	22.0	22.8	22.4	21.6	21.2	21.2	21.0	20.2	19.4	20.2
82.5°	16.9	17.1	17.3	17.2	17.0	16.9	16.9	16.8	16.0	15.2	16.0
85°	10.6	10.6	10.6	10.0	9.2	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	3.7	5.4	7.5	8.3	8.5	8.5	8.5	8.8	9.0	9.0	9.0
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3691.7	3682.2	3668.3	3668.0	3681.2	3692.2	3696.6	3701.0	3696.6	3692.2	3681.2
5°	3705.0	3689.1	3667.1	3663.6	3678.5	3691.1	3696.5	3702.0	3696.5	3691.1	3678.5
7.5°	3703.6	3692.0	3675.4	3672.8	3684.3	3693.5	3695.8	3698.2	3695.8	3693.5	3684.3
10°	3699.7	3687.3	3670.1	3669.7	3686.2	3698.3	3697.5	3696.7	3697.5	3698.3	3686.2
12.5°	3684.8	3676.0	3662.5	3667.8	3691.8	3708.2	3701.8	3695.3	3701.8	3708.2	3691.8
15°	3636.5	3638.5	3638.5	3655.4	3689.1	3711.3	3698.7	3686.2	3698.7	3711.3	3689.1
17.5°	3549.6	3561.0	3573.1	3601.7	3646.7	3676.8	3661.9	3647.0	3661.9	3676.8	3646.7
20°	3473.3	3489.0	3508.6	3544.7	3597.3	3633.0	3618.1	3603.2	3618.1	3633.0	3597.3
22.5°	3393.6	3411.3	3432.8	3471.8	3528.1	3566.3	3550.1	3534.0	3550.1	3566.3	3528.1
25°	3265.6	3279.5	3295.2	3331.7	3389.0	3428.8	3416.2	3403.7	3416.2	3428.8	3389.0
27.5°	3081.5	3097.9	3115.8	3151.6	3205.3	3243.8	3236.9	3230.0	3236.9	3243.8	3205.3
30°	2940.0	2962.3	2985.9	3018.8	3061.2	3092.2	3089.1	3085.9	3089.1	3092.2	3061.2
32.5°	2784.2	2804.6	2826.9	2856.7	2894.1	2921.3	2918.2	2915.0	2918.2	2921.3	2894.1
35°	2508.2	2531.6	2557.5	2581.8	2604.6	2622.0	2623.6	2625.1	2623.6	2622.0	2604.6
37.5°	2177.0	2196.3	2216.7	2235.9	2253.9	2266.9	2264.7	2262.5	2264.7	2266.9	2253.9
40°	1914.5	1937.8	1967.6	1990.0	2004.9	2015.7	2014.1	2012.6	2014.1	2015.7	2004.9
42.5°	1658.1	1679.8	1702.7	1724.5	1745.0	1754.6	1731.0	1707.5	1731.0	1754.6	1745.0
45°	1241.7	1281.1	1308.6	1322.3	1322.3	1304.4	1233.0	1161.6	1233.0	1304.4	1322.3
47.5°	731.7	815.7	897.3	916.1	872.0	818.6	737.3	656.0	737.3	818.6	872.0
50°	439.0	531.4	644.4	664.4	591.4	523.0	468.0	413.1	468.0	523.0	591.4
52.5°	309.8	385.4	480.9	490.2	413.5	348.9	321.0	293.1	321.0	348.9	413.5
55°	192.6	226.6	269.7	272.1	233.6	202.2	192.0	181.8	192.0	202.2	233.6
57.5°	129.2	143.0	158.1	158.1	143.0	129.1	118.6	108.0	118.6	129.1	143.0
60°	84.3	98.3	114.0	115.5	103.0	91.4	82.8	74.1	82.8	91.4	103.0
62.5°	67.4	77.6	90.1	91.1	80.4	71.5	67.9	64.3	67.9	71.5	80.4
65°	56.1	57.7	59.2	59.6	58.8	58.1	57.3	56.5	57.3	58.1	58.8
67.5°	49.4	49.9	50.1	50.5	51.1	51.4	50.6	49.8	50.6	51.4	51.1
70°	43.9	44.7	45.5	45.9	45.9	45.7	44.9	44.1	44.9	45.7	45.9
72.5°	39.5	40.0	40.2	40.6	41.2	41.5	40.7	39.9	40.7	41.5	41.2
75°	31.6	32.4	33.2	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
77.5°	25.2	25.4	25.4	25.8	26.6	27.0	26.2	25.4	26.2	27.0	26.6
80°	21.0	21.2	21.2	21.6	22.4	22.8	22.0	21.2	22.0	22.8	22.4
82.5°	16.8	16.9	16.9	17.0	17.2	17.3	17.1	16.9	17.1	17.3	17.2
85°	8.8	8.8	8.8	9.2	10.0	10.6	10.6	10.6	10.6	10.6	10.0
87.5°	8.8	8.5	8.5	8.5	8.3	7.5	5.4	3.7	5.4	7.2	8.9
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3668.0	3668.3	3682.2	3691.7	3688.6	3685.4	3688.6	3691.7	3682.2	3668.3	3668.0
5°	3663.6	3667.1	3689.1	3705.0	3702.6	3700.3	3702.6	3705.0	3689.1	3667.1	3663.6
7.5°	3672.8	3675.4	3692.0	3703.6	3700.0	3696.4	3700.0	3703.6	3692.0	3675.4	3672.8
10°	3669.7	3670.1	3687.3	3699.7	3697.3	3695.0	3697.3	3699.7	3687.3	3670.1	3669.7
12.5°	3667.8	3662.5	3676.0	3684.8	3679.3	3673.8	3679.3	3684.8	3676.0	3662.5	3667.8
15°	3655.4	3638.5	3638.5	3636.5	3628.7	3620.8	3628.7	3636.5	3638.5	3638.5	3655.4
17.5°	3601.7	3573.1	3561.0	3549.6	3540.0	3530.4	3540.0	3549.6	3561.0	3573.1	3601.7
20°	3544.7	3508.6	3489.0	3473.3	3469.4	3465.5	3469.4	3473.3	3489.0	3508.6	3544.7
22.5°	3471.8	3432.8	3411.3	3393.6	3387.2	3380.7	3387.2	3393.6	3411.3	3432.8	3471.8
25°	3331.7	3295.2	3279.5	3265.6	3257.0	3248.3	3257.0	3265.6	3279.5	3295.2	3331.7
27.5°	3151.6	3115.8	3097.9	3081.5	3069.6	3057.7	3069.6	3081.5	3097.9	3115.8	3151.6
30°	3018.8	2985.9	2962.3	2940.0	2921.1	2902.3	2921.1	2940.0	2962.3	2985.9	3018.8
32.5°	2856.7	2826.9	2804.6	2784.2	2769.1	2754.0	2769.1	2784.2	2804.6	2826.9	2856.7
35°	2581.8	2557.5	2531.6	2508.2	2492.5	2476.9	2492.5	2508.2	2531.6	2557.5	2581.8
37.5°	2235.9	2216.7	2196.3	2177.0	2161.2	2145.3	2161.2	2177.0	2196.3	2216.7	2235.9
40°	1990.0	1967.6	1937.8	1914.5	1910.6	1906.6	1910.6	1914.5	1937.8	1967.6	1990.0
42.5°	1724.5	1702.7	1679.8	1658.1	1639.7	1621.3	1639.7	1658.1	1679.8	1702.7	1724.5
45°	1322.3	1308.6	1281.1	1241.7	1166.3	1091.0	1166.3	1241.7	1281.1	1308.6	1322.3
47.5°	916.1	897.3	815.7	731.7	640.2	548.7	640.2	731.7	815.7	897.3	916.1
50°	664.4	644.4	531.4	439.0	408.4	377.8	408.4	439.0	531.4	644.4	664.4
52.5°	490.2	480.9	385.4	309.8	293.7	277.5	293.7	309.8	385.4	480.9	490.2
55°	272.1	269.7	226.6	192.6	186.3	180.1	186.3	192.6	226.6	269.7	272.1
57.5°	158.1	158.1	143.0	129.2	119.3	109.5	119.3	129.2	143.0	158.1	158.1
60°	115.5	114.0	98.3	84.3	75.7	67.1	75.7	84.3	98.3	114.0	115.5
62.5°	91.1	90.1	77.6	67.4	64.4	61.4	64.4	67.4	77.6	90.1	91.1
65°	59.6	59.2	57.7	56.1	54.5	53.0	54.5	56.1	57.7	59.2	59.6
67.5°	50.5	50.1	49.9	49.4	48.0	46.6	48.0	49.4	49.9	50.1	50.5
70°	45.9	45.5	44.7	43.9	43.2	42.4	43.2	43.9	44.7	45.5	45.9
72.5°	40.6	40.2	40.0	39.5	38.1	36.7	38.1	39.5	40.0	40.2	40.6
75°	33.5	33.2	32.4	31.6	30.8	30.0	30.8	31.6	32.4	33.2	33.5
77.5°	25.8	25.4	25.4	25.2	24.4	23.7	24.4	25.2	25.4	25.4	25.8
80°	21.6	21.2	21.2	21.0	20.2	19.4	20.2	21.0	21.2	21.2	21.6
82.5°	17.0	16.9	16.9	16.8	16.0	15.2	16.0	16.8	16.9	16.9	17.0
85°	9.2	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.2
87.5°	9.6	11.3	13.3	14.4	15.6	15.0	15.6	14.4	13.3	11.3	9.6
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	524.9	495.2	465.5	465.5



TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3682.6	3682.6	3682.6	3682.6
2.5°	3681.2	3692.2	3696.6	3701.0
5°	3678.5	3691.1	3696.5	3702.0
7.5°	3684.3	3693.5	3695.8	3698.2
10°	3686.2	3698.3	3697.5	3696.7
12.5°	3691.8	3708.2	3701.8	3695.3
15°	3689.1	3711.3	3698.7	3686.2
17.5°	3646.7	3676.8	3661.9	3647.0
20°	3597.3	3633.0	3618.1	3603.2
22.5°	3528.1	3566.3	3550.1	3534.0
25°	3389.0	3428.8	3416.2	3403.7
27.5°	3205.3	3243.8	3236.9	3230.0
30°	3061.2	3092.2	3089.1	3085.9
32.5°	2894.1	2921.3	2918.2	2915.0
35°	2604.6	2622.0	2623.6	2625.1
37.5°	2253.9	2266.9	2264.7	2262.5
40°	2004.9	2015.7	2014.1	2012.6
42.5°	1745.0	1754.6	1731.0	1707.5
45°	1322.3	1304.4	1233.0	1161.6
47.5°	872.0	818.6	737.3	656.0
50°	591.4	523.0	468.0	413.1
52.5°	413.5	348.9	321.0	293.1
55°	233.6	202.2	192.0	181.8
57.5°	143.0	129.1	118.6	108.0
60°	103.0	91.4	82.8	74.1
62.5°	80.4	71.5	67.9	64.3
65°	58.8	58.1	57.3	56.5
67.5°	51.1	51.4	50.6	49.8
70°	45.9	45.7	44.9	44.1
72.5°	41.2	41.5	40.7	39.9
75°	33.5	33.5	33.5	33.5
77.5°	26.6	27.0	26.2	25.4
80°	22.4	22.8	22.0	21.2
82.5°	17.2	17.3	17.1	16.9
85°	10.0	10.6	10.6	10.6
87.5°	8.9	7.2	5.4	3.7
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4

TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7

TEST NUMBER: P1428550

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-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	6.91	7.68	7.83	8.59	9.74	6.89	7.66	7.81	8.57	9.72
	3H	7.60	8.28	8.53	9.20	10.38	7.52	8.20	8.44	9.11	10.30
	4H	7.97	8.60	8.91	9.53	10.72	7.82	8.46	8.76	9.38	10.58
	6H	8.24	8.82	9.19	9.75	10.96	8.06	8.64	9.01	9.57	10.77
	8H	8.36	8.91	9.31	9.85	11.06	8.15	8.71	9.11	9.65	10.86
	12H	8.43	8.96	9.39	9.90	11.12	8.21	8.73	9.17	9.67	10.89
4H	2H	7.01	7.65	7.95	8.57	9.76	6.99	7.63	7.94	8.55	9.74
	3H	7.95	8.47	8.90	9.43	10.63	7.86	8.39	8.82	9.34	10.55
	4H	8.45	8.93	9.42	9.88	11.11	8.31	8.78	9.27	9.73	10.96
	6H	8.88	9.29	9.86	10.26	11.49	8.68	9.09	9.66	10.06	11.29
	8H	9.07	9.45	10.05	10.42	11.66	8.85	9.23	9.82	10.19	11.43
	12H	9.20	9.54	10.19	10.52	11.77	8.94	9.28	9.93	10.26	11.51
8H	4H	8.57	8.95	9.55	9.92	11.16	8.44	8.82	9.41	9.78	11.02
	6H	9.15	9.46	10.15	10.47	11.71	8.95	9.26	9.95	10.27	11.52
	8H	9.44	9.71	10.45	10.71	11.97	9.22	9.49	10.23	10.49	11.75
	12H	9.66	9.90	10.66	10.89	12.19	9.39	9.63	10.40	10.62	11.93
12H	4H	8.55	8.89	9.54	9.87	11.12	8.42	8.76	9.41	9.74	10.99
	6H	9.18	9.46	10.19	10.46	11.72	9.00	9.27	10.01	10.27	11.53
	8H	9.51	9.75	10.52	10.74	12.05	9.30	9.54	10.31	10.53	11.84