

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: P1428538

Luminaire Tested: SQ2W-WBM-K-075U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428538
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-075U-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 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

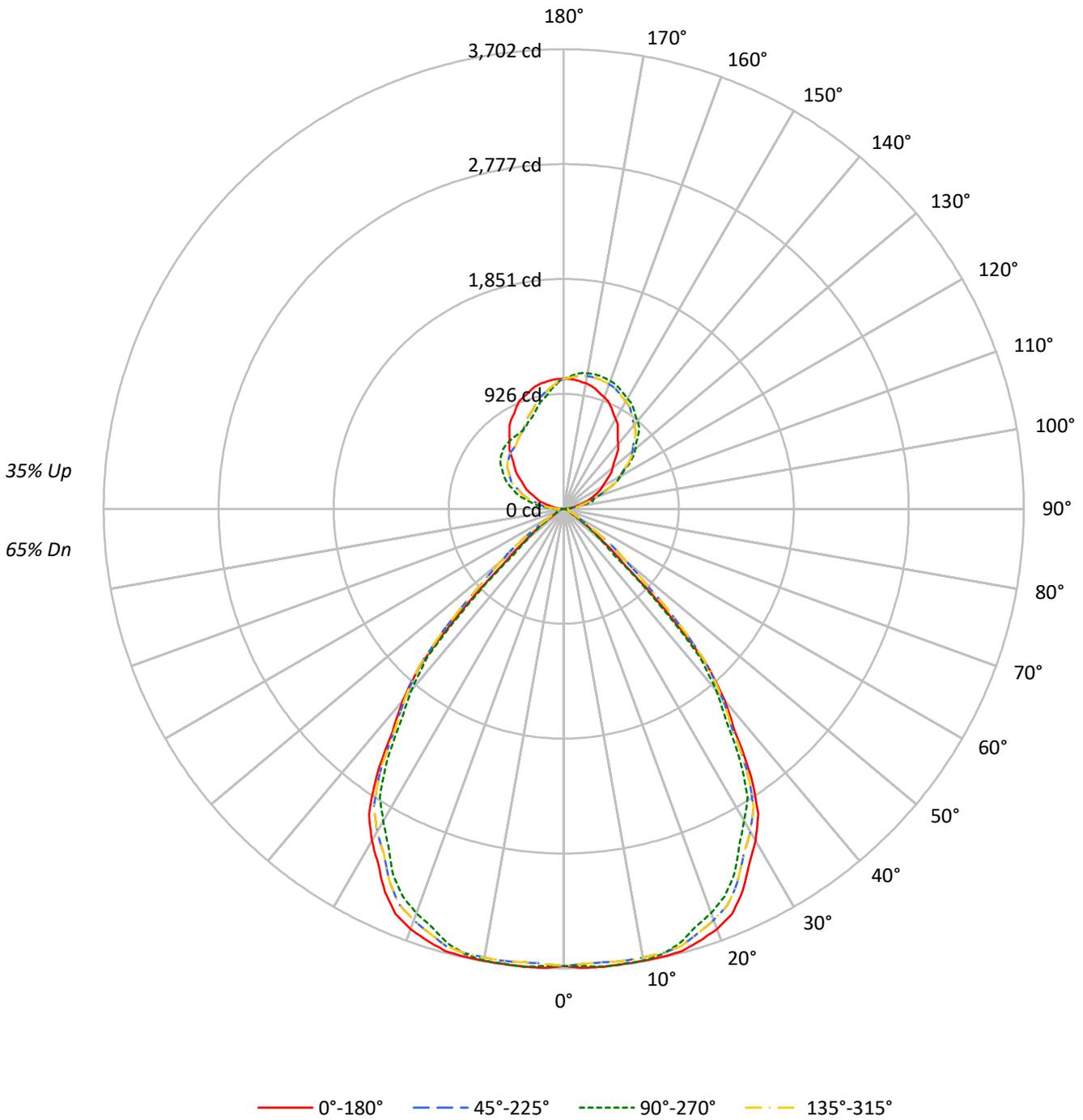
Lumens per Lamp: N/A
Luminaire Lumens: 8819.2 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 73.4
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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CATALOG NUMBER: SQ2W-WBM-K-075U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428538

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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65				
1	103	100	97	94	97	94	92	89	84	82	80	74	73	72	66	65	64	60				
2	96	90	85	81	91	86	81	77	77	73	71	68	66	64	61	59	58	54				
3	90	82	76	71	85	78	72	68	70	66	62	63	60	57	56	54	52	49				
4	83	74	67	62	79	71	65	60	64	59	56	58	54	51	52	49	47	44				
5	78	68	61	55	73	65	58	54	59	54	50	53	49	46	48	45	43	40				
6	72	62	55	50	68	59	53	48	54	49	45	49	45	42	45	42	39	37				
7	68	57	50	45	64	54	48	43	50	45	41	46	41	38	42	38	36	34				
8	63	52	45	40	60	50	44	39	46	41	37	42	38	35	39	35	33	31				
9	59	48	41	37	56	46	40	36	43	38	34	39	35	32	36	33	30	28				
10	56	45	38	34	53	43	37	33	40	35	31	37	32	29	34	30	28	26				

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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.1	4.0
10°-20°	1029.6	11.7
20°-30°	1522.3	17.3
30°-40°	1575.0	17.9
40°-50°	947.4	10.7
50°-60°	226.5	2.6
60°-70°	61.9	0.7
70°-80°	34.6	0.4
80°-90°	15.3	0.2
90°-100°	83.3	0.9
100°-110°	242.8	2.8
110°-120°	396.2	4.5
120°-130°	502.8	5.7
130°-140°	538.0	6.1
140°-150°	502.4	5.7
150°-160°	413.4	4.7
160°-170°	277.2	3.1
170°-180°	98.4	1.1
0°-30°	2903.9	32.9
0°-40°	4479.0	50.8
0°-60°	5652.9	64.1
0°-90°	5764.7	65.4
90°-120°	722.3	8.2
90°-150°	2265.4	25.7
90°-180°	3054.0	34.6
0°-180°	8819.2	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°	3	23	3	45	3	3
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	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°	3.5	4.9	6.6	7.1	7.2	7.1	7.1	7.3	7.5	7.5	7.5
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



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CATALOG NUMBER: SQ2W-WBM-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	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°	7.3	7.1	7.1	7.2	7.1	6.6	4.9	3.5	4.9	6.4	7.6
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1428538

CATALOG NUMBER: SQ2W-WBM-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428538

CATALOG NUMBER: SQ2W-WBM-K-075U-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°	8.0	9.2	10.6	11.5	12.3	11.9	12.3	11.5	10.6	9.2	8.0
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	187.9	171.4	151.5	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1428538

CATALOG NUMBER: SQ2W-WBM-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428538

CATALOG NUMBER: SQ2W-WBM-K-075U-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°	7.6	6.4	4.9	3.5
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1



TEST NUMBER: P1428538

CATALOG NUMBER: SQ2W-WBM-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428538
 CATALOG NUMBER: SQ2W-WBM-K-075U-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	7.51	8.32	8.36	9.16	10.21	7.49	8.30	8.34	9.14	10.19
	3H	8.20	8.92	9.07	9.77	10.85	8.12	8.84	8.98	9.69	10.77
	4H	8.57	9.24	9.45	10.10	11.19	8.43	9.10	9.30	9.96	11.05
	6H	8.84	9.46	9.73	10.33	11.42	8.66	9.28	9.55	10.15	11.24
	8H	8.96	9.54	9.86	10.43	11.53	8.76	9.34	9.66	10.23	11.33
	12H	9.04	9.60	9.94	10.47	11.59	8.81	9.37	9.71	10.24	11.36
4H	2H	7.61	8.28	8.49	9.14	10.23	7.59	8.26	8.47	9.12	10.21
	3H	8.56	9.11	9.45	10.00	11.10	8.47	9.02	9.36	9.91	11.01
	4H	9.06	9.56	9.96	10.45	11.58	8.91	9.41	9.81	10.30	11.43
	6H	9.49	9.92	10.41	10.83	11.96	9.29	9.72	10.20	10.63	11.76
	8H	9.68	10.08	10.60	10.98	12.13	9.45	9.85	10.37	10.76	11.90
	12H	9.81	10.16	10.74	11.09	12.23	9.55	9.90	10.48	10.83	11.97
8H	4H	9.18	9.58	10.10	10.49	11.63	9.04	9.44	9.96	10.35	11.49
	6H	9.76	10.08	10.70	11.03	12.17	9.56	9.89	10.50	10.84	11.98
	8H	10.04	10.33	11.00	11.28	12.43	9.83	10.12	10.78	11.06	12.22
	12H	10.26	10.52	11.21	11.45	12.66	10.00	10.25	10.95	11.18	12.40
12H	4H	9.16	9.52	10.09	10.44	11.59	9.03	9.39	9.96	10.31	11.46
	6H	9.79	10.08	10.74	11.02	12.18	9.61	9.89	10.56	10.84	11.99
	8H	10.12	10.37	11.07	11.30	12.51	9.91	10.16	10.86	11.10	12.31