

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: P1428576

Luminaire Tested: SQ2W-WBN-0U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428576
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-0U-050D-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 500 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

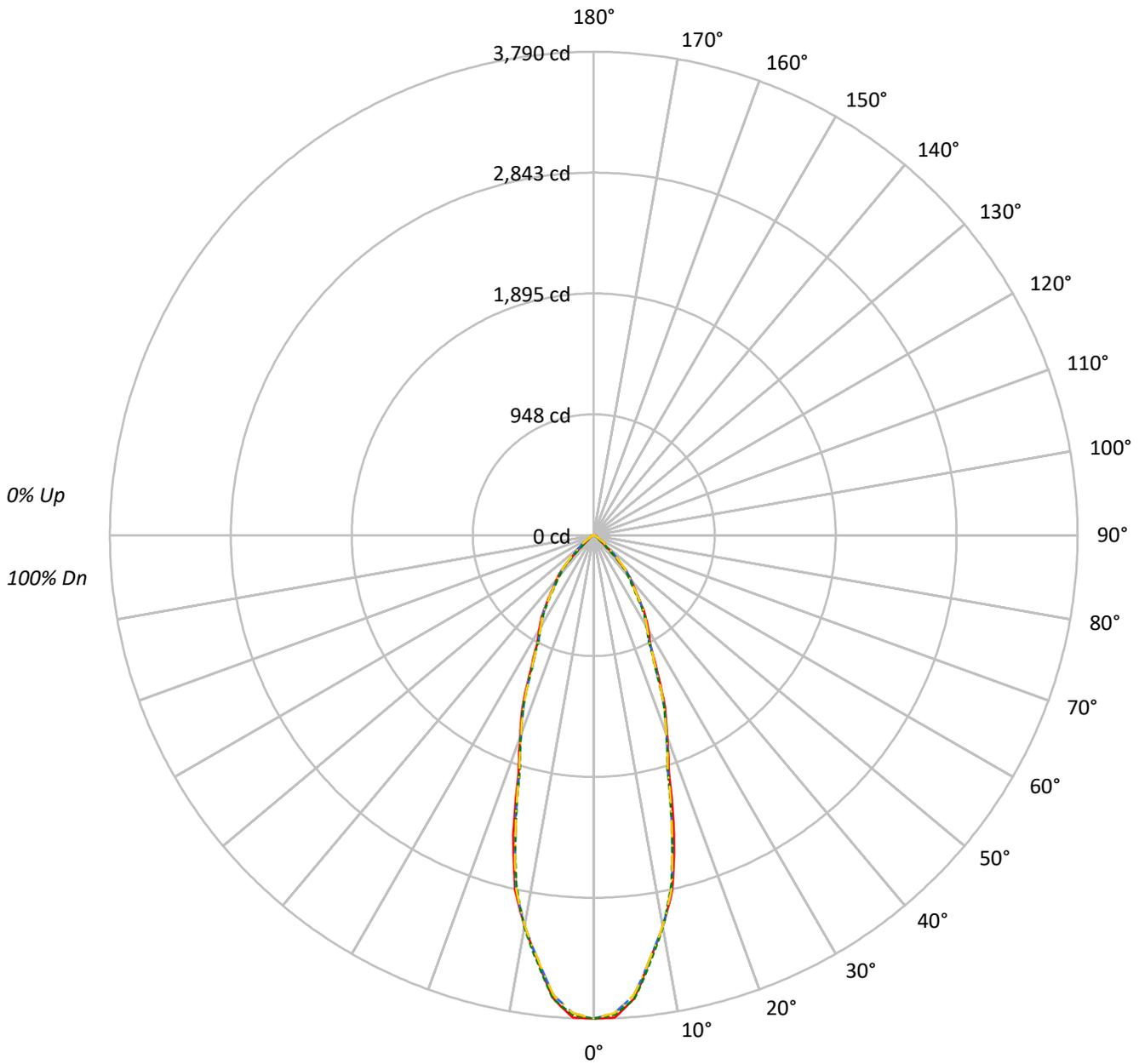
Lumens per Lamp: N/A
Luminaire Lumens: 2200.7 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 18.1
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



— 0°-180° - - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	71	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	61192	61192	61192	61192
5°	59082	59147	59082	59147
10°	51068	51189	51068	51189
15°	40638	39513	40638	39513
20°	28869	28695	28869	28695
25°	20768	20218	20768	20218
30°	15869	15405	15869	15405
35°	12457	11927	12457	11927
40°	9438	8856	9438	8856
45°	5281	4713	5281	4713
50°	1859	1638	1859	1638
55°	1134	1078	1134	1078
60°	869	804	869	804
65°	795	745	795	745
70°	760	699	760	699
75°	711	674	711	674
80°	623	623	623	623
85°	630	500	630	500

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 6261 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.0	14.9
10°-20°	653.9	29.7
20°-30°	541.5	24.6
30°-40°	389.5	17.7
40°-50°	198.4	9.0
50°-60°	51.6	2.3
60°-70°	21.4	1.0
70°-80°	11.9	0.5
80°-90°	3.5	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1524.3	69.3
0°-40°	1913.9	87.0
0°-60°	2163.9	98.3
0°-90°	2200.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2200.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3790	3790	3790	3790	3790	
5°	3645	3649	3645	3649	3645	329
15°	2431	2364	2431	2364	2431	660
25°	1166	1135	1166	1135	1166	548
35°	632	605	632	605	632	397
45°	231	206	231	206	231	185
55°	40	38	40	38	40	40
65°	21	20	21	20	21	21
75°	11	11	11	11	11	12
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0
2.5°	3784.0	3781.2	3778.3	3765.6	3749.6	3748.2	3761.6	3770.8	3767.5	3764.1	3767.5
5°	3645.4	3643.0	3640.6	3629.7	3616.0	3620.8	3644.1	3660.2	3654.8	3649.4	3654.8
7.5°	3359.1	3361.2	3363.2	3357.6	3349.5	3355.7	3376.3	3390.4	3384.6	3378.9	3384.6
10°	3114.9	3120.3	3125.7	3118.1	3106.1	3115.2	3145.4	3163.0	3142.6	3122.3	3142.6
12.5°	2845.5	2842.0	2838.5	2831.6	2823.4	2821.8	2826.6	2827.5	2816.2	2805.0	2816.2
15°	2431.2	2418.6	2406.1	2386.8	2365.3	2358.3	2365.7	2370.5	2367.2	2363.9	2367.2
17.5°	1958.2	1963.1	1967.9	1954.9	1935.9	1926.0	1925.3	1923.8	1920.1	1916.4	1920.1
20°	1680.2	1681.7	1683.2	1675.0	1663.7	1661.0	1666.9	1671.3	1670.7	1670.1	1670.7
22.5°	1456.4	1456.7	1457.0	1446.2	1431.8	1429.0	1437.8	1443.1	1437.7	1432.3	1437.7
25°	1165.8	1164.9	1164.0	1156.9	1147.6	1140.7	1136.2	1133.1	1134.0	1134.9	1134.0
27.5°	956.1	952.4	948.7	942.5	935.6	933.6	936.6	938.3	936.1	933.9	936.1
30°	851.2	848.2	845.2	839.1	831.9	829.2	831.0	831.7	829.0	826.3	829.0
32.5°	757.0	757.2	757.3	751.8	744.4	740.2	739.4	738.3	736.3	734.3	736.3
35°	632.0	633.8	635.6	631.1	624.5	619.0	614.5	610.5	607.8	605.1	607.8
37.5°	520.4	522.1	523.7	520.0	514.4	508.4	501.8	496.3	494.0	491.7	494.0
40°	447.8	449.0	450.2	447.6	443.7	437.8	430.1	423.8	422.0	420.2	422.0
42.5°	368.7	373.7	378.7	377.1	373.2	367.6	360.3	353.9	349.9	346.0	349.9
45°	231.3	247.1	263.0	270.1	274.2	272.3	264.2	252.4	229.4	206.4	229.4
47.5°	117.0	138.9	160.9	176.6	190.3	185.9	163.5	141.1	118.5	95.9	118.5
50°	74.0	89.2	104.4	123.7	144.3	139.8	110.3	85.5	75.4	65.2	75.4
52.5°	56.7	64.6	72.4	90.7	112.5	110.4	84.4	63.5	57.9	52.3	57.9
55°	40.3	43.3	46.3	56.5	69.0	68.3	54.2	43.1	40.7	38.3	40.7
57.5°	31.2	32.9	34.5	38.3	42.8	42.4	37.1	32.7	31.2	29.7	31.2
60°	26.9	28.1	29.3	31.2	33.2	32.9	30.3	27.9	26.4	24.9	26.4
62.5°	24.2	24.9	25.6	26.5	27.4	27.0	25.2	23.8	23.3	22.7	23.3
65°	20.8	21.1	21.4	21.5	21.5	21.2	20.6	20.1	19.8	19.5	19.8
67.5°	17.7	18.0	18.3	18.4	18.3	18.1	17.8	17.5	17.2	16.9	17.2
70°	16.1	16.4	16.7	16.6	16.3	16.0	15.7	15.4	15.1	14.8	15.1
72.5°	14.0	14.3	14.6	14.4	14.1	14.0	13.9	13.8	13.5	13.2	13.5
75°	11.4	11.4	11.4	11.4	11.4	11.3	11.0	10.8	10.8	10.8	10.8
77.5°	8.9	8.9	9.0	8.8	8.5	8.3	8.3	8.3	8.0	7.8	8.0
80°	6.7	7.0	7.3	7.2	6.9	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	5.6	5.7	5.8	5.6	5.3	5.1	5.1	5.1	5.1	5.1	5.1
85°	3.4	3.4	3.4	3.1	2.8	2.8	3.1	3.3	3.0	2.7	3.0
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0
2.5°	3770.8	3761.6	3748.2	3749.6	3765.6	3778.3	3781.2	3784.0	3781.2	3778.3	3765.6
5°	3660.2	3644.1	3620.8	3616.0	3629.7	3640.6	3643.0	3645.4	3643.0	3640.6	3629.7
7.5°	3390.4	3376.3	3355.7	3349.5	3357.6	3363.2	3361.2	3359.1	3361.2	3363.2	3357.6
10°	3163.0	3145.4	3115.2	3106.1	3118.1	3125.7	3120.3	3114.9	3120.3	3125.7	3118.1
12.5°	2827.5	2826.6	2821.8	2823.4	2831.6	2838.5	2842.0	2845.5	2842.0	2838.5	2831.6
15°	2370.5	2365.7	2358.3	2365.3	2386.8	2406.1	2418.6	2431.2	2418.6	2406.1	2386.8
17.5°	1923.8	1925.3	1926.0	1935.9	1954.9	1967.9	1963.1	1958.2	1963.1	1967.9	1954.9
20°	1671.3	1666.9	1661.0	1663.7	1675.0	1683.2	1681.7	1680.2	1681.7	1683.2	1675.0
22.5°	1443.1	1437.8	1429.0	1431.8	1446.2	1457.0	1456.7	1456.4	1456.7	1457.0	1446.2
25°	1133.1	1136.2	1140.7	1147.6	1156.9	1164.0	1164.9	1165.8	1164.9	1164.0	1156.9
27.5°	938.3	936.6	933.6	935.6	942.5	948.7	952.4	956.1	952.4	948.7	942.5
30°	831.7	831.0	829.2	831.9	839.1	845.2	848.2	851.2	848.2	845.2	839.1
32.5°	738.3	739.4	740.2	744.4	751.8	757.3	757.2	757.0	757.2	757.3	751.8
35°	610.5	614.5	619.0	624.5	631.1	635.6	633.8	632.0	633.8	635.6	631.1
37.5°	496.3	501.8	508.4	514.4	520.0	523.7	522.1	520.4	522.1	523.7	520.0
40°	423.8	430.1	437.8	443.7	447.6	450.2	449.0	447.8	449.0	450.2	447.6
42.5°	353.9	360.3	367.6	373.2	377.1	378.7	373.7	368.7	373.7	378.7	377.1
45°	252.4	264.2	272.3	274.2	270.1	263.0	247.1	231.3	247.1	263.0	270.1
47.5°	141.1	163.5	185.9	190.3	176.6	160.9	138.9	117.0	138.9	160.9	176.6
50°	85.5	110.3	139.8	144.3	123.7	104.4	89.2	74.0	89.2	104.4	123.7
52.5°	63.5	84.4	110.4	112.5	90.7	72.4	64.6	56.7	64.6	72.4	90.7
55°	43.1	54.2	68.3	69.0	56.5	46.3	43.3	40.3	43.3	46.3	56.5
57.5°	32.7	37.1	42.4	42.8	38.3	34.5	32.9	31.2	32.9	34.5	38.3
60°	27.9	30.3	32.9	33.2	31.2	29.3	28.1	26.9	28.1	29.3	31.2
62.5°	23.8	25.2	27.0	27.4	26.5	25.6	24.9	24.2	24.9	25.6	26.5
65°	20.1	20.6	21.2	21.5	21.5	21.4	21.1	20.8	21.1	21.4	21.5
67.5°	17.5	17.8	18.1	18.3	18.4	18.3	18.0	17.7	18.0	18.3	18.4
70°	15.4	15.7	16.0	16.3	16.6	16.7	16.4	16.1	16.4	16.7	16.6
72.5°	13.8	13.9	14.0	14.1	14.4	14.6	14.3	14.0	14.3	14.6	14.4
75°	10.8	11.0	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
77.5°	8.3	8.3	8.3	8.5	8.8	9.0	8.9	8.9	8.9	9.0	8.8
80°	6.7	6.7	6.7	6.9	7.2	7.3	7.0	6.7	7.0	7.3	7.2
82.5°	5.1	5.1	5.1	5.3	5.6	5.8	5.7	5.6	5.7	5.8	5.6
85°	3.3	3.1	2.8	2.8	3.1	3.4	3.4	3.4	3.4	3.4	3.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0	3790.0
2.5°	3749.6	3748.2	3761.6	3770.8	3767.5	3764.1	3767.5	3770.8	3761.6	3748.2	3749.6
5°	3616.0	3620.8	3644.1	3660.2	3654.8	3649.4	3654.8	3660.2	3644.1	3620.8	3616.0
7.5°	3349.5	3355.7	3376.3	3390.4	3384.6	3378.9	3384.6	3390.4	3376.3	3355.7	3349.5
10°	3106.1	3115.2	3145.4	3163.0	3142.6	3122.3	3142.6	3163.0	3145.4	3115.2	3106.1
12.5°	2823.4	2821.8	2826.6	2827.5	2816.2	2805.0	2816.2	2827.5	2826.6	2821.8	2823.4
15°	2365.3	2358.3	2365.7	2370.5	2367.2	2363.9	2367.2	2370.5	2365.7	2358.3	2365.3
17.5°	1935.9	1926.0	1925.3	1923.8	1920.1	1916.4	1920.1	1923.8	1925.3	1926.0	1935.9
20°	1663.7	1661.0	1666.9	1671.3	1670.7	1670.1	1670.7	1671.3	1666.9	1661.0	1663.7
22.5°	1431.8	1429.0	1437.8	1443.1	1437.7	1432.3	1437.7	1443.1	1437.8	1429.0	1431.8
25°	1147.6	1140.7	1136.2	1133.1	1134.0	1134.9	1134.0	1133.1	1136.2	1140.7	1147.6
27.5°	935.6	933.6	936.6	938.3	936.1	933.9	936.1	938.3	936.6	933.6	935.6
30°	831.9	829.2	831.0	831.7	829.0	826.3	829.0	831.7	831.0	829.2	831.9
32.5°	744.4	740.2	739.4	738.3	736.3	734.3	736.3	738.3	739.4	740.2	744.4
35°	624.5	619.0	614.5	610.5	607.8	605.1	607.8	610.5	614.5	619.0	624.5
37.5°	514.4	508.4	501.8	496.3	494.0	491.7	494.0	496.3	501.8	508.4	514.4
40°	443.7	437.8	430.1	423.8	422.0	420.2	422.0	423.8	430.1	437.8	443.7
42.5°	373.2	367.6	360.3	353.9	349.9	346.0	349.9	353.9	360.3	367.6	373.2
45°	274.2	272.3	264.2	252.4	229.4	206.4	229.4	252.4	264.2	272.3	274.2
47.5°	190.3	185.9	163.5	141.1	118.5	95.9	118.5	141.1	163.5	185.9	190.3
50°	144.3	139.8	110.3	85.5	75.4	65.2	75.4	85.5	110.3	139.8	144.3
52.5°	112.5	110.4	84.4	63.5	57.9	52.3	57.9	63.5	84.4	110.4	112.5
55°	69.0	68.3	54.2	43.1	40.7	38.3	40.7	43.1	54.2	68.3	69.0
57.5°	42.8	42.4	37.1	32.7	31.2	29.7	31.2	32.7	37.1	42.4	42.8
60°	33.2	32.9	30.3	27.9	26.4	24.9	26.4	27.9	30.3	32.9	33.2
62.5°	27.4	27.0	25.2	23.8	23.3	22.7	23.3	23.8	25.2	27.0	27.4
65°	21.5	21.2	20.6	20.1	19.8	19.5	19.8	20.1	20.6	21.2	21.5
67.5°	18.3	18.1	17.8	17.5	17.2	16.9	17.2	17.5	17.8	18.1	18.3
70°	16.3	16.0	15.7	15.4	15.1	14.8	15.1	15.4	15.7	16.0	16.3
72.5°	14.1	14.0	13.9	13.8	13.5	13.2	13.5	13.8	13.9	14.0	14.1
75°	11.4	11.3	11.0	10.8	10.8	10.8	10.8	10.8	11.0	11.3	11.4
77.5°	8.5	8.3	8.3	8.3	8.0	7.8	8.0	8.3	8.3	8.3	8.5
80°	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.9
82.5°	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.3
85°	2.8	2.8	3.1	3.3	3.0	2.7	3.0	3.3	3.1	2.8	2.8
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1428576

CATALOG NUMBER: SQ2W-WBN-0U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3790.0	3790.0	3790.0	3790.0
2.5°	3765.6	3778.3	3781.2	3784.0
5°	3629.7	3640.6	3643.0	3645.4
7.5°	3357.6	3363.2	3361.2	3359.1
10°	3118.1	3125.7	3120.3	3114.9
12.5°	2831.6	2838.5	2842.0	2845.5
15°	2386.8	2406.1	2418.6	2431.2
17.5°	1954.9	1967.9	1963.1	1958.2
20°	1675.0	1683.2	1681.7	1680.2
22.5°	1446.2	1457.0	1456.7	1456.4
25°	1156.9	1164.0	1164.9	1165.8
27.5°	942.5	948.7	952.4	956.1
30°	839.1	845.2	848.2	851.2
32.5°	751.8	757.3	757.2	757.0
35°	631.1	635.6	633.8	632.0
37.5°	520.0	523.7	522.1	520.4
40°	447.6	450.2	449.0	447.8
42.5°	377.1	378.7	373.7	368.7
45°	270.1	263.0	247.1	231.3
47.5°	176.6	160.9	138.9	117.0
50°	123.7	104.4	89.2	74.0
52.5°	90.7	72.4	64.6	56.7
55°	56.5	46.3	43.3	40.3
57.5°	38.3	34.5	32.9	31.2
60°	31.2	29.3	28.1	26.9
62.5°	26.5	25.6	24.9	24.2
65°	21.5	21.4	21.1	20.8
67.5°	18.4	18.3	18.0	17.7
70°	16.6	16.7	16.4	16.1
72.5°	14.4	14.6	14.3	14.0
75°	11.4	11.4	11.4	11.4
77.5°	8.8	9.0	8.9	8.9
80°	7.2	7.3	7.0	6.7
82.5°	5.6	5.8	5.7	5.6
85°	3.1	3.4	3.4	3.4
87.5°	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1428576
 CATALOG NUMBER: SQ2W-WBN-0U-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	4.76	5.82	5.12	6.13	6.45	4.39	5.45	4.75	5.76	6.08
	3H	5.99	6.92	6.37	7.26	7.62	5.60	6.54	5.99	6.87	7.24
	4H	6.52	7.38	6.93	7.74	8.13	6.13	7.00	6.54	7.35	7.74
	6H	6.88	7.67	7.30	8.04	8.44	6.47	7.26	6.89	7.63	8.03
	8H	7.03	7.77	7.47	8.16	8.57	6.61	7.36	7.05	7.75	8.16
	12H	7.13	7.84	7.57	8.22	8.65	6.69	7.40	7.12	7.78	8.21
4H	2H	5.10	5.96	5.51	6.32	6.71	4.79	5.66	5.20	6.01	6.40
	3H	6.60	7.31	7.02	7.71	8.12	6.27	6.97	6.68	7.38	7.78
	4H	7.25	7.87	7.69	8.30	8.74	6.91	7.53	7.34	7.95	8.40
	6H	7.74	8.28	8.21	8.73	9.20	7.37	7.90	7.84	8.35	8.82
	8H	7.95	8.45	8.42	8.90	9.37	7.56	8.05	8.03	8.50	8.98
	12H	8.10	8.53	8.59	9.02	9.49	7.67	8.10	8.16	8.59	9.07
8H	4H	7.41	7.91	7.89	8.36	8.83	7.10	7.60	7.58	8.05	8.53
	6H	8.04	8.44	8.55	8.94	9.43	7.69	8.09	8.20	8.59	9.08
	8H	8.35	8.70	8.88	9.23	9.72	7.97	8.32	8.50	8.85	9.34
	12H	8.59	8.90	9.11	9.40	9.98	8.18	8.49	8.70	8.99	9.57
12H	4H	7.40	7.83	7.89	8.32	8.80	7.10	7.54	7.59	8.02	8.50
	6H	8.07	8.42	8.60	8.94	9.44	7.73	8.09	8.26	8.61	9.10
	8H	8.43	8.74	8.95	9.24	9.81	8.06	8.37	8.58	8.87	9.45