

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: P1428575

Luminaire Tested: SQ2W-WBN-0U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428575
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

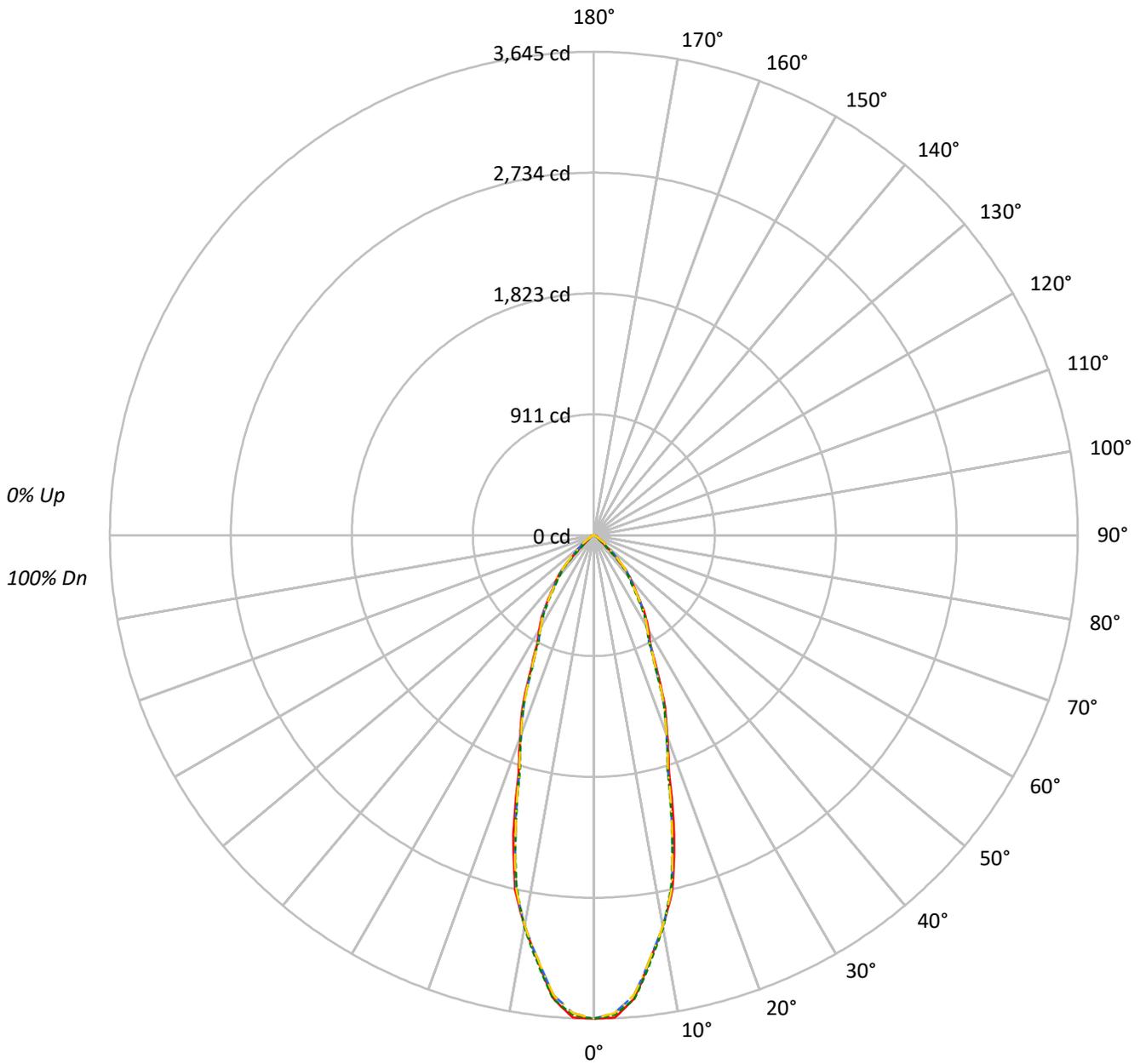
Lumens per Lamp: N/A
Luminaire Lumens: 2116.7 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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°	58854	58854	58854	58854
5°	56824	56887	56824	56887
10°	49117	49233	49117	49233
15°	39085	38003	39085	38003
20°	27766	27599	27766	27599
25°	19976	19445	19976	19445
30°	15263	14816	15263	14816
35°	11982	11471	11982	11471
40°	9078	8519	9078	8519
45°	5078	4532	5078	4532
50°	1786	1575	1786	1575
55°	1092	1039	1092	1039
60°	836	772	836	772
65°	764	718	764	718
70°	732	670	732	670
75°	686	643	686	643
80°	604	604	604	604
85°	593	482	593	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 6023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	14.9
10°-20°	628.9	29.7
20°-30°	520.8	24.6
30°-40°	374.7	17.7
40°-50°	190.9	9.0
50°-60°	49.6	2.3
60°-70°	20.6	1.0
70°-80°	11.4	0.5
80°-90°	3.4	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°	1466.1	69.3
0°-40°	1840.8	87.0
0°-60°	2081.2	98.3
0°-90°	2116.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2116.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3645	3645	3645	3645	3645	
5°	3506	3510	3506	3510	3506	316
15°	2338	2274	2338	2274	2338	635
25°	1121	1092	1121	1092	1121	527
35°	608	582	608	582	608	381
45°	222	198	222	198	222	178
55°	39	37	39	37	39	38
65°	20	19	20	19	20	20
75°	11	10	11	10	11	12
85°	3	3	3	3	3	3
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°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3639.5	3636.7	3634.0	3621.7	3606.3	3605.0	3617.9	3626.8	3623.6	3620.3	3623.6
5°	3506.1	3503.8	3501.5	3491.1	3477.8	3482.4	3504.8	3520.4	3515.2	3510.0	3515.2
7.5°	3230.8	3232.8	3234.7	3229.3	3221.5	3227.5	3247.4	3260.8	3255.3	3249.8	3255.3
10°	2995.9	3001.1	3006.3	2999.0	2987.5	2996.2	3025.2	3042.1	3022.6	3003.0	3022.6
12.5°	2736.8	2733.4	2730.1	2723.4	2715.6	2714.0	2718.6	2719.4	2708.6	2697.8	2708.6
15°	2338.3	2326.2	2314.1	2295.6	2274.9	2268.2	2275.3	2279.9	2276.8	2273.6	2276.8
17.5°	1883.4	1888.1	1892.7	1880.2	1861.9	1852.4	1851.7	1850.3	1846.8	1843.2	1846.8
20°	1616.0	1617.4	1618.9	1611.0	1600.1	1597.5	1603.3	1607.4	1606.9	1606.3	1606.9
22.5°	1400.8	1401.1	1401.3	1391.0	1377.1	1374.4	1382.9	1388.0	1382.8	1377.6	1382.8
25°	1121.3	1120.4	1119.6	1112.7	1103.8	1097.2	1092.8	1089.8	1090.7	1091.5	1090.7
27.5°	919.5	916.0	912.4	906.5	899.9	898.0	900.8	902.5	900.3	898.2	900.3
30°	818.7	815.8	812.9	807.0	800.1	797.5	799.3	799.9	797.3	794.7	797.3
32.5°	728.1	728.2	728.4	723.0	715.9	711.9	711.1	710.1	708.2	706.3	708.2
35°	607.9	609.6	611.3	607.0	600.7	595.3	591.0	587.2	584.6	582.0	584.6
37.5°	500.5	502.1	503.7	500.1	494.8	488.9	482.6	477.3	475.1	473.0	475.1
40°	430.7	431.8	433.0	430.5	426.7	421.1	413.6	407.6	405.9	404.2	405.9
42.5°	354.6	359.5	364.3	362.7	358.9	353.6	346.6	340.4	336.6	332.8	336.6
45°	222.4	237.7	252.9	259.7	263.8	261.9	254.1	242.8	220.7	198.5	220.7
47.5°	112.5	133.6	154.7	169.9	183.0	178.8	157.3	135.7	113.9	92.2	113.9
50°	71.1	85.8	100.4	119.0	138.8	134.5	106.1	82.3	72.5	62.7	72.5
52.5°	54.6	62.1	69.6	87.3	108.2	106.2	81.2	61.1	55.7	50.3	55.7
55°	38.8	41.7	44.5	54.3	66.4	65.7	52.2	41.5	39.2	36.9	39.2
57.5°	30.0	31.6	33.2	36.9	41.2	40.8	35.7	31.5	30.0	28.6	30.0
60°	25.9	27.0	28.2	30.0	32.0	31.7	29.1	26.8	25.4	23.9	25.4
62.5°	23.3	24.0	24.7	25.5	26.3	25.9	24.3	22.9	22.4	21.9	22.4
65°	20.0	20.3	20.6	20.7	20.7	20.4	19.8	19.3	19.0	18.8	19.0
67.5°	17.1	17.4	17.6	17.7	17.6	17.4	17.2	16.9	16.6	16.3	16.6
70°	15.5	15.8	16.1	16.0	15.7	15.4	15.1	14.8	14.5	14.2	14.5
72.5°	13.5	13.7	14.0	13.9	13.6	13.4	13.4	13.2	13.0	12.7	13.0
75°	11.0	11.0	11.0	11.0	11.0	10.8	10.6	10.3	10.3	10.3	10.3
77.5°	8.5	8.6	8.7	8.4	8.2	8.0	8.0	8.0	7.7	7.5	7.7
80°	6.5	6.8	7.0	6.9	6.6	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	5.4	5.5	5.5	5.3	5.1	4.9	4.9	4.9	4.9	4.9	4.9
85°	3.2	3.2	3.2	3.0	2.7	2.7	3.0	3.2	2.9	2.6	2.9
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3626.8	3617.9	3605.0	3606.3	3621.7	3634.0	3636.7	3639.5	3636.7	3634.0	3621.7
5°	3520.4	3504.8	3482.4	3477.8	3491.1	3501.5	3503.8	3506.1	3503.8	3501.5	3491.1
7.5°	3260.8	3247.4	3227.5	3221.5	3229.3	3234.7	3232.8	3230.8	3232.8	3234.7	3229.3
10°	3042.1	3025.2	2996.2	2987.5	2999.0	3006.3	3001.1	2995.9	3001.1	3006.3	2999.0
12.5°	2719.4	2718.6	2714.0	2715.6	2723.4	2730.1	2733.4	2736.8	2733.4	2730.1	2723.4
15°	2279.9	2275.3	2268.2	2274.9	2295.6	2314.1	2326.2	2338.3	2326.2	2314.1	2295.6
17.5°	1850.3	1851.7	1852.4	1861.9	1880.2	1892.7	1888.1	1883.4	1888.1	1892.7	1880.2
20°	1607.4	1603.3	1597.5	1600.1	1611.0	1618.9	1617.4	1616.0	1617.4	1618.9	1611.0
22.5°	1388.0	1382.9	1374.4	1377.1	1391.0	1401.3	1401.1	1400.8	1401.1	1401.3	1391.0
25°	1089.8	1092.8	1097.2	1103.8	1112.7	1119.6	1120.4	1121.3	1120.4	1119.6	1112.7
27.5°	902.5	900.8	898.0	899.9	906.5	912.4	916.0	919.5	916.0	912.4	906.5
30°	799.9	799.3	797.5	800.1	807.0	812.9	815.8	818.7	815.8	812.9	807.0
32.5°	710.1	711.1	711.9	715.9	723.0	728.4	728.2	728.1	728.2	728.4	723.0
35°	587.2	591.0	595.3	600.7	607.0	611.3	609.6	607.9	609.6	611.3	607.0
37.5°	477.3	482.6	488.9	494.8	500.1	503.7	502.1	500.5	502.1	503.7	500.1
40°	407.6	413.6	421.1	426.7	430.5	433.0	431.8	430.7	431.8	433.0	430.5
42.5°	340.4	346.6	353.6	358.9	362.7	364.3	359.5	354.6	359.5	364.3	362.7
45°	242.8	254.1	261.9	263.8	259.7	252.9	237.7	222.4	237.7	252.9	259.7
47.5°	135.7	157.3	178.8	183.0	169.9	154.7	133.6	112.5	133.6	154.7	169.9
50°	82.3	106.1	134.5	138.8	119.0	100.4	85.8	71.1	85.8	100.4	119.0
52.5°	61.1	81.2	106.2	108.2	87.3	69.6	62.1	54.6	62.1	69.6	87.3
55°	41.5	52.2	65.7	66.4	54.3	44.5	41.7	38.8	41.7	44.5	54.3
57.5°	31.5	35.7	40.8	41.2	36.9	33.2	31.6	30.0	31.6	33.2	36.9
60°	26.8	29.1	31.7	32.0	30.0	28.2	27.0	25.9	27.0	28.2	30.0
62.5°	22.9	24.3	25.9	26.3	25.5	24.7	24.0	23.3	24.0	24.7	25.5
65°	19.3	19.8	20.4	20.7	20.7	20.6	20.3	20.0	20.3	20.6	20.7
67.5°	16.9	17.2	17.4	17.6	17.7	17.6	17.4	17.1	17.4	17.6	17.7
70°	14.8	15.1	15.4	15.7	16.0	16.1	15.8	15.5	15.8	16.1	16.0
72.5°	13.2	13.4	13.4	13.6	13.9	14.0	13.7	13.5	13.7	14.0	13.9
75°	10.3	10.6	10.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
77.5°	8.0	8.0	8.0	8.2	8.4	8.7	8.6	8.5	8.6	8.7	8.4
80°	6.5	6.5	6.5	6.6	6.9	7.0	6.8	6.5	6.8	7.0	6.9
82.5°	4.9	4.9	4.9	5.1	5.3	5.5	5.5	5.4	5.5	5.5	5.3
85°	3.2	3.0	2.7	2.7	3.0	3.2	3.2	3.2	3.2	3.2	3.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3606.3	3605.0	3617.9	3626.8	3623.6	3620.3	3623.6	3626.8	3617.9	3605.0	3606.3
5°	3477.8	3482.4	3504.8	3520.4	3515.2	3510.0	3515.2	3520.4	3504.8	3482.4	3477.8
7.5°	3221.5	3227.5	3247.4	3260.8	3255.3	3249.8	3255.3	3260.8	3247.4	3227.5	3221.5
10°	2987.5	2996.2	3025.2	3042.1	3022.6	3003.0	3022.6	3042.1	3025.2	2996.2	2987.5
12.5°	2715.6	2714.0	2718.6	2719.4	2708.6	2697.8	2708.6	2719.4	2718.6	2714.0	2715.6
15°	2274.9	2268.2	2275.3	2279.9	2276.8	2273.6	2276.8	2279.9	2275.3	2268.2	2274.9
17.5°	1861.9	1852.4	1851.7	1850.3	1846.8	1843.2	1846.8	1850.3	1851.7	1852.4	1861.9
20°	1600.1	1597.5	1603.3	1607.4	1606.9	1606.3	1606.9	1607.4	1603.3	1597.5	1600.1
22.5°	1377.1	1374.4	1382.9	1388.0	1382.8	1377.6	1382.8	1388.0	1382.9	1374.4	1377.1
25°	1103.8	1097.2	1092.8	1089.8	1090.7	1091.5	1090.7	1089.8	1092.8	1097.2	1103.8
27.5°	899.9	898.0	900.8	902.5	900.3	898.2	900.3	902.5	900.8	898.0	899.9
30°	800.1	797.5	799.3	799.9	797.3	794.7	797.3	799.9	799.3	797.5	800.1
32.5°	715.9	711.9	711.1	710.1	708.2	706.3	708.2	710.1	711.1	711.9	715.9
35°	600.7	595.3	591.0	587.2	584.6	582.0	584.6	587.2	591.0	595.3	600.7
37.5°	494.8	488.9	482.6	477.3	475.1	473.0	475.1	477.3	482.6	488.9	494.8
40°	426.7	421.1	413.6	407.6	405.9	404.2	405.9	407.6	413.6	421.1	426.7
42.5°	358.9	353.6	346.6	340.4	336.6	332.8	336.6	340.4	346.6	353.6	358.9
45°	263.8	261.9	254.1	242.8	220.7	198.5	220.7	242.8	254.1	261.9	263.8
47.5°	183.0	178.8	157.3	135.7	113.9	92.2	113.9	135.7	157.3	178.8	183.0
50°	138.8	134.5	106.1	82.3	72.5	62.7	72.5	82.3	106.1	134.5	138.8
52.5°	108.2	106.2	81.2	61.1	55.7	50.3	55.7	61.1	81.2	106.2	108.2
55°	66.4	65.7	52.2	41.5	39.2	36.9	39.2	41.5	52.2	65.7	66.4
57.5°	41.2	40.8	35.7	31.5	30.0	28.6	30.0	31.5	35.7	40.8	41.2
60°	32.0	31.7	29.1	26.8	25.4	23.9	25.4	26.8	29.1	31.7	32.0
62.5°	26.3	25.9	24.3	22.9	22.4	21.9	22.4	22.9	24.3	25.9	26.3
65°	20.7	20.4	19.8	19.3	19.0	18.8	19.0	19.3	19.8	20.4	20.7
67.5°	17.6	17.4	17.2	16.9	16.6	16.3	16.6	16.9	17.2	17.4	17.6
70°	15.7	15.4	15.1	14.8	14.5	14.2	14.5	14.8	15.1	15.4	15.7
72.5°	13.6	13.4	13.4	13.2	13.0	12.7	13.0	13.2	13.4	13.4	13.6
75°	11.0	10.8	10.6	10.3	10.3	10.3	10.3	10.3	10.6	10.8	11.0
77.5°	8.2	8.0	8.0	8.0	7.7	7.5	7.7	8.0	8.0	8.0	8.2
80°	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6
82.5°	5.1	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.1
85°	2.7	2.7	3.0	3.2	2.9	2.6	2.9	3.2	3.0	2.7	2.7
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P1428575

CATALOG NUMBER: SQ2W-WBN-0U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3645.2	3645.2	3645.2	3645.2
2.5°	3621.7	3634.0	3636.7	3639.5
5°	3491.1	3501.5	3503.8	3506.1
7.5°	3229.3	3234.7	3232.8	3230.8
10°	2999.0	3006.3	3001.1	2995.9
12.5°	2723.4	2730.1	2733.4	2736.8
15°	2295.6	2314.1	2326.2	2338.3
17.5°	1880.2	1892.7	1888.1	1883.4
20°	1611.0	1618.9	1617.4	1616.0
22.5°	1391.0	1401.3	1401.1	1400.8
25°	1112.7	1119.6	1120.4	1121.3
27.5°	906.5	912.4	916.0	919.5
30°	807.0	812.9	815.8	818.7
32.5°	723.0	728.4	728.2	728.1
35°	607.0	611.3	609.6	607.9
37.5°	500.1	503.7	502.1	500.5
40°	430.5	433.0	431.8	430.7
42.5°	362.7	364.3	359.5	354.6
45°	259.7	252.9	237.7	222.4
47.5°	169.9	154.7	133.6	112.5
50°	119.0	100.4	85.8	71.1
52.5°	87.3	69.6	62.1	54.6
55°	54.3	44.5	41.7	38.8
57.5°	36.9	33.2	31.6	30.0
60°	30.0	28.2	27.0	25.9
62.5°	25.5	24.7	24.0	23.3
65°	20.7	20.6	20.3	20.0
67.5°	17.7	17.6	17.4	17.1
70°	16.0	16.1	15.8	15.5
72.5°	13.9	14.0	13.7	13.5
75°	11.0	11.0	11.0	11.0
77.5°	8.4	8.7	8.6	8.5
80°	6.9	7.0	6.8	6.5
82.5°	5.3	5.5	5.5	5.4
85°	3.0	3.2	3.2	3.2
87.5°	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1428575
 CATALOG NUMBER: SQ2W-WBN-0U-050D-L930-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	4.63	5.69	4.99	6.00	6.31	4.26	5.32	4.63	5.63	5.95
	3H	5.87	6.80	6.25	7.13	7.50	5.48	6.41	5.86	6.74	7.11
	4H	6.39	7.26	6.80	7.61	8.00	6.00	6.86	6.41	7.22	7.61
	6H	6.76	7.54	7.17	7.92	8.32	6.34	7.13	6.76	7.50	7.90
	8H	6.91	7.65	7.34	8.04	8.45	6.48	7.23	6.92	7.62	8.03
	12H	7.00	7.71	7.44	8.10	8.53	6.56	7.27	6.99	7.65	8.08
4H	2H	4.97	5.83	5.37	6.18	6.57	4.67	5.53	5.07	5.88	6.27
	3H	6.48	7.18	6.89	7.59	7.99	6.14	6.84	6.56	7.25	7.66
	4H	7.12	7.75	7.56	8.17	8.62	6.77	7.39	7.21	7.82	8.27
	6H	7.62	8.15	8.09	8.60	9.08	7.24	7.77	7.71	8.22	8.69
	8H	7.82	8.32	8.30	8.77	9.25	7.42	7.92	7.90	8.37	8.85
	12H	7.97	8.40	8.46	8.89	9.37	7.54	7.97	8.03	8.46	8.94
8H	4H	7.29	7.78	7.76	8.23	8.71	6.97	7.47	7.44	7.92	8.39
	6H	7.92	8.31	8.43	8.82	9.30	7.57	7.96	8.07	8.47	8.95
	8H	8.22	8.57	8.75	9.10	9.59	7.84	8.20	8.37	8.72	9.21
	12H	8.45	8.76	8.98	9.26	9.84	8.05	8.36	8.57	8.86	9.44
12H	4H	7.27	7.71	7.76	8.19	8.67	6.97	7.40	7.46	7.89	8.37
	6H	7.94	8.29	8.47	8.82	9.31	7.60	7.96	8.13	8.48	8.97
	8H	8.30	8.61	8.82	9.11	9.68	7.93	8.24	8.45	8.74	9.32