

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: P1428223

Luminaire Tested: SQ2W-PR1-K-050U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428223
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-050U-125D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

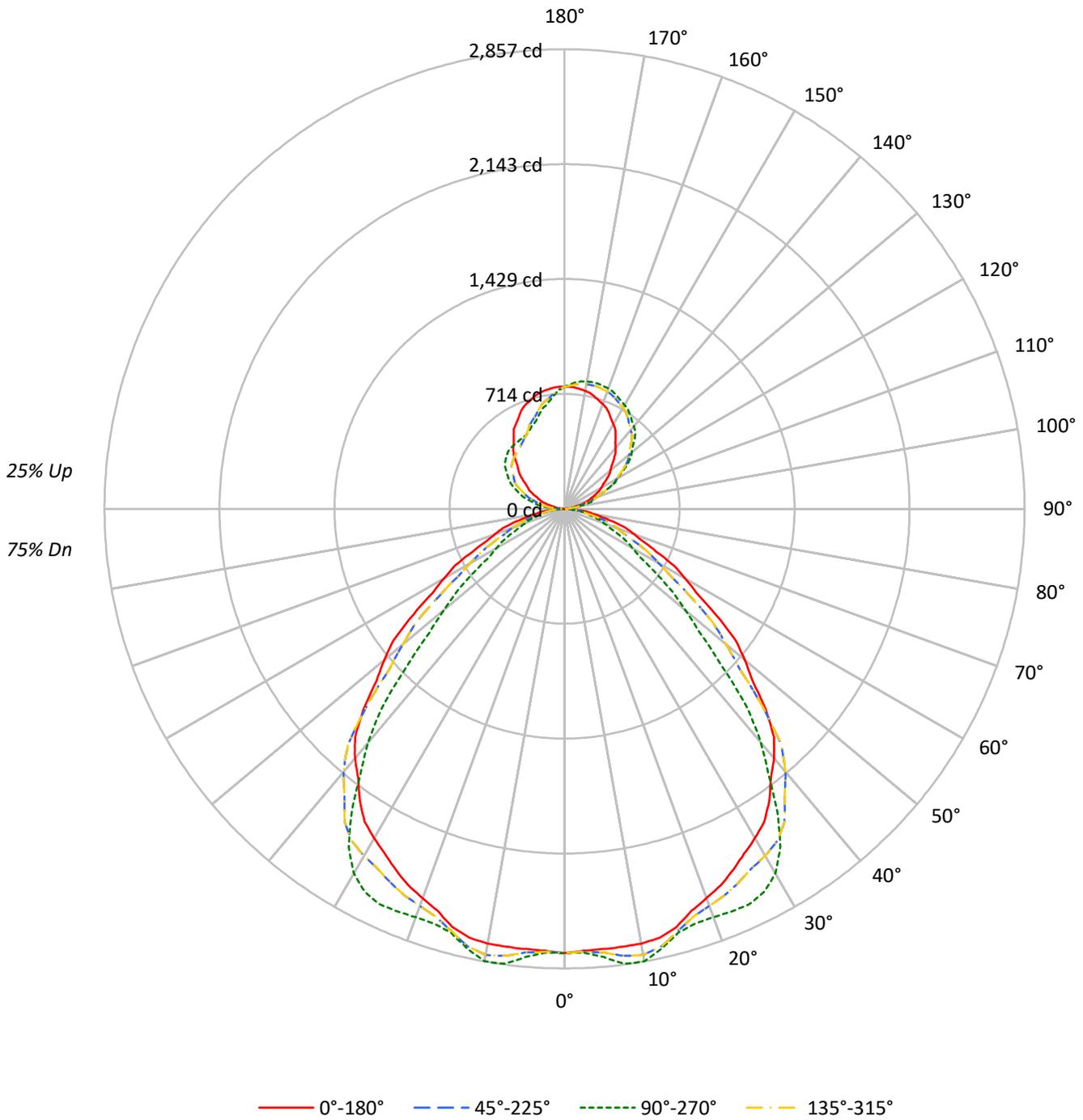
Lumens per Lamp: N/A
Luminaire Lumens: 8860.6 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75		
1	104	100	97	93	99	96	92	89	87	84	82	79	77	75	71	70	69	65		
2	96	89	83	78	91	85	79	75	77	73	69	70	67	64	64	61	59	56		
3	88	79	72	66	84	75	69	64	69	64	59	63	59	55	57	54	51	48		
4	81	70	63	57	77	67	60	55	62	56	51	57	52	48	52	48	45	42		
5	75	63	55	49	71	61	53	48	56	50	45	51	46	42	47	43	40	37		
6	69	57	49	43	66	55	47	42	51	44	40	47	41	38	43	39	35	33		
7	64	52	44	38	61	50	43	37	46	40	35	43	37	33	39	35	32	29		
8	60	47	40	34	57	46	38	33	42	36	32	39	34	30	36	32	28	26		
9	56	43	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24		
10	52	40	33	28	50	39	32	27	36	30	26	34	28	25	31	27	24	22		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	44578	44578	44578	44578
5°	44521	45341	44521	45341
10°	44988	46835	44988	46835
15°	44975	45587	44975	45587
20°	44248	46423	44248	46423
25°	44123	48335	44123	48335
30°	44076	48799	44076	48799
35°	43658	45434	43658	45434
40°	42650	39982	42650	39982
45°	40358	31617	40358	31617
50°	36690	24530	36690	24530
55°	32245	19093	32245	19093
60°	27903	15723	27903	15723
65°	24087	13765	24087	13765
70°	21658	12222	21658	12222
75°	19837	11235	19837	11235
80°	17275	10990	17275	10990
85°	12504	5206	12504	5206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 43328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.6	3.0
10°-20°	771.9	8.7
20°-30°	1193.2	13.5
30°-40°	1434.9	16.2
40°-50°	1288.6	14.5
50°-60°	863.4	9.7
60°-70°	502.3	5.7
70°-80°	258.0	2.9
80°-90°	66.8	0.8
90°-100°	60.4	0.7
100°-110°	176.1	2.0
110°-120°	287.3	3.2
120°-130°	364.6	4.1
130°-140°	390.1	4.4
140°-150°	364.3	4.1
150°-160°	299.8	3.4
160°-170°	201.0	2.3
170°-180°	71.4	0.8
0°-30°	2231.7	25.2
0°-40°	3666.7	41.4
0°-60°	5818.6	65.7
0°-90°	6645.6	75.0
90°-120°	523.8	5.9
90°-150°	1642.8	18.5
90°-180°	2215.0	25.0
0°-180°	8860.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2761	2761	2761	2761	2761	
5°	2747	2798	2747	2798	2747	262
15°	2691	2727	2691	2727	2691	756
25°	2477	2713	2477	2713	2477	1142
35°	2215	2305	2215	2305	2215	1381
45°	1768	1385	1768	1385	1768	1352
55°	1146	678	1146	678	1146	1029
65°	630	360	630	360	630	638
75°	318	180	318	180	318	337
85°	68	28	68	28	68	84
90°	2	17	2	33	2	4
95°	24	18	24	103	24	29
105°	112	179	112	247	112	119
115°	215	297	215	366	215	211
125°	317	471	317	449	317	284
135°	431	617	431	497	431	333
145°	551	711	551	508	551	345
155°	654	772	654	527	654	301
165°	723	805	723	607	723	204
175°	756	788	756	712	756	72
180°	759	759	759	759	759	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0
2.5°	2749.8	2764.8	2779.8	2773.0	2759.0	2752.5	2753.5	2755.0	2758.0	2761.0	2758.0
5°	2747.0	2768.2	2789.5	2784.5	2770.7	2765.1	2767.6	2772.6	2785.1	2797.6	2785.1
7.5°	2746.4	2776.7	2806.9	2809.3	2802.3	2802.4	2809.6	2819.2	2835.7	2852.2	2835.7
10°	2744.1	2780.4	2816.7	2822.0	2817.0	2815.1	2816.4	2821.7	2839.2	2856.7	2839.2
12.5°	2730.6	2772.9	2815.2	2810.8	2790.7	2779.9	2778.1	2779.2	2788.7	2798.2	2788.7
15°	2690.7	2740.7	2790.7	2770.4	2726.6	2706.6	2710.4	2714.8	2721.0	2727.3	2721.0
17.5°	2620.3	2672.6	2724.9	2706.6	2664.8	2650.7	2664.2	2677.4	2689.7	2701.9	2689.7
20°	2575.3	2626.6	2677.8	2665.3	2631.6	2623.4	2640.9	2659.4	2680.7	2701.9	2680.7
22.5°	2534.7	2586.0	2637.3	2629.3	2601.5	2599.9	2624.4	2650.1	2679.4	2708.7	2679.4
25°	2476.8	2521.8	2566.8	2567.8	2554.0	2567.8	2609.1	2648.1	2680.7	2713.2	2680.7
27.5°	2416.0	2442.5	2469.0	2486.5	2501.0	2536.2	2592.0	2639.5	2662.3	2685.0	2662.3
30°	2364.2	2381.7	2399.2	2431.7	2469.3	2512.4	2561.2	2600.0	2608.7	2617.5	2608.7
32.5°	2307.9	2318.4	2328.9	2374.7	2432.2	2473.9	2499.7	2516.2	2504.9	2493.7	2504.9
35°	2215.0	2223.8	2232.5	2291.0	2366.1	2393.6	2373.6	2352.6	2328.9	2305.1	2328.9
37.5°	2104.7	2122.7	2140.7	2188.4	2245.9	2245.4	2186.9	2136.2	2108.9	2081.6	2108.9
40°	2023.6	2053.7	2083.7	2115.6	2148.1	2120.6	2033.0	1959.5	1928.3	1897.0	1928.3
42.5°	1924.6	1972.6	2020.6	2027.8	2021.3	1962.2	1850.6	1757.4	1719.1	1680.8	1719.1
45°	1767.5	1832.6	1897.6	1860.4	1789.1	1692.8	1571.4	1469.8	1427.3	1384.7	1427.3
47.5°	1582.3	1649.1	1715.9	1645.7	1529.9	1417.8	1309.5	1218.3	1178.5	1138.8	1178.5
50°	1460.7	1514.5	1568.3	1488.9	1365.0	1252.5	1151.1	1064.2	1020.4	976.6	1020.4
52.5°	1336.9	1375.7	1414.4	1335.8	1217.9	1108.4	1007.0	921.1	881.3	841.5	881.3
55°	1145.5	1165.5	1185.5	1112.7	1008.8	908.8	812.5	733.3	705.8	678.3	705.8
57.5°	969.9	982.6	995.4	926.3	830.0	741.0	659.2	592.7	572.5	552.2	572.5
60°	864.1	872.8	881.6	811.5	715.2	635.1	571.3	519.4	503.2	486.9	503.2
62.5°	767.2	774.0	780.7	713.2	620.9	549.3	498.5	457.4	445.1	432.9	445.1
65°	630.5	636.7	643.0	585.4	506.6	447.8	409.0	377.8	369.0	360.3	369.0
67.5°	521.8	525.1	528.3	480.9	416.6	369.2	338.7	313.7	305.5	297.2	305.5
70°	458.8	460.0	461.3	419.4	363.1	321.2	293.6	271.4	265.2	258.9	265.2
72.5°	402.5	400.7	399.0	361.6	312.3	276.4	253.9	235.9	231.7	227.4	231.7
75°	318.0	314.3	310.5	279.6	239.5	212.0	197.0	185.1	182.6	180.1	182.6
77.5°	237.5	233.5	229.5	203.8	170.7	151.7	146.7	143.0	143.0	143.0	143.0
80°	185.8	180.8	175.8	155.7	130.7	118.2	118.2	118.2	118.2	118.2	118.2
82.5°	138.5	131.5	124.5	112.2	98.2	91.2	91.2	90.9	89.9	88.9	89.9
85°	67.5	61.3	55.0	53.5	53.5	49.7	42.2	35.7	31.9	28.1	31.9
87.5°	18.5	19.1	19.9	16.7	12.2	9.8	9.8	10.0	10.1	10.1	10.1
90°	2.3	5.4	9.2	12.3	14.6	15.3	15.3	16.1	16.9	16.9	16.9
92.5°	8.4	13.3	13.5	13.5	16.4	17.8	19.0	19.2	19.9	19.9	19.9
95°	23.8	26.1	39.1	38.3	26.1	20.7	17.6	17.6	17.6	17.6	17.6
97.5°	45.4	48.7	50.9	68.2	72.0	69.6	56.7	47.7	42.6	40.3	42.6
100°	64.4	65.9	70.5	71.3	90.4	108.8	99.6	88.1	84.3	82.0	84.3
102.5°	83.4	84.3	91.3	94.6	99.0	109.4	141.3	137.8	135.2	134.7	135.2
105°	111.9	112.6	125.7	131.8	134.9	134.9	134.1	149.4	173.9	179.3	173.9
107.5°	142.4	145.9	161.2	177.6	181.1	182.1	178.1	175.8	174.9	175.5	174.9
110°	163.2	168.6	187.0	207.7	213.0	214.6	213.0	210.7	209.2	209.2	209.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	183.4	191.3	212.1	235.9	244.9	249.5	246.1	244.4	242.9	244.1	242.9
115°	214.6	226.1	253.6	278.2	296.6	298.8	298.1	298.1	297.3	297.3	297.3
117.5°	243.4	261.8	292.7	321.2	342.5	348.7	351.7	350.8	349.9	351.4	349.9
120°	263.6	285.1	320.3	352.5	373.2	382.4	385.4	383.9	385.4	383.9	385.4
122.5°	285.1	311.4	346.1	379.5	403.8	414.3	417.9	418.2	418.5	417.6	418.5
125°	317.2	349.4	390.0	424.5	449.8	462.1	465.1	465.9	467.4	471.3	467.4
127.5°	349.7	386.2	430.8	464.1	490.0	504.8	509.6	511.3	514.5	516.2	514.5
130°	372.4	413.8	459.0	490.4	515.7	531.8	540.2	542.5	546.4	545.6	546.4
132.5°	396.3	439.5	485.4	518.0	541.5	558.8	566.0	572.6	573.9	575.0	573.9
135°	431.4	478.2	524.1	556.3	578.5	595.4	604.6	610.7	614.6	616.9	614.6
137.5°	468.4	517.7	561.8	590.5	612.9	627.4	637.9	644.3	648.3	650.1	648.3
140°	493.5	541.0	583.9	613.8	633.7	648.3	657.5	665.1	669.7	669.7	669.7
142.5°	517.4	564.3	606.0	635.9	653.3	666.7	676.5	682.3	687.5	687.5	687.5
145°	551.0	597.7	636.0	665.9	680.5	692.7	703.4	708.0	711.1	711.1	711.1
147.5°	586.1	627.4	662.4	691.0	703.3	717.7	726.1	729.8	733.6	732.0	733.6
150°	606.9	645.2	678.9	705.7	718.0	731.8	740.2	743.3	747.1	744.8	747.1
152.5°	627.1	663.6	694.2	719.2	729.7	743.4	753.1	756.2	758.8	757.1	758.8
155°	654.4	686.6	714.9	737.9	747.1	760.1	769.3	773.2	776.2	772.4	776.2
157.5°	678.8	706.5	731.2	752.3	762.1	773.3	781.9	786.7	789.7	788.0	789.7
160°	693.5	718.8	741.0	760.9	770.1	780.1	789.3	794.6	797.7	795.4	797.7
162.5°	705.7	728.6	749.6	767.7	775.6	784.4	795.4	800.1	803.2	800.3	803.2
165°	723.4	741.8	760.1	775.5	782.4	789.3	800.8	806.1	808.4	805.4	808.4
167.5°	736.7	750.8	765.7	778.8	783.9	790.6	802.1	806.6	809.5	805.7	809.5
170°	744.1	756.3	769.3	780.1	783.9	790.0	801.5	805.4	807.7	803.8	807.7
172.5°	750.2	759.4	770.0	779.5	781.5	786.4	797.2	801.1	802.8	799.5	802.8
175°	756.3	761.7	769.3	775.5	774.7	777.8	787.0	790.0	793.1	788.5	793.1
177.5°	759.2	761.7	764.1	767.8	765.4	765.4	772.1	773.9	774.6	772.1	774.6
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0
2.5°	2755.0	2753.5	2752.5	2759.0	2773.0	2779.8	2764.8	2749.8	2764.8	2779.8	2773.0
5°	2772.6	2767.6	2765.1	2770.7	2784.5	2789.5	2768.2	2747.0	2768.2	2789.5	2784.5
7.5°	2819.2	2809.6	2802.4	2802.3	2809.3	2806.9	2776.7	2746.4	2776.7	2806.9	2809.3
10°	2821.7	2816.4	2815.1	2817.0	2822.0	2816.7	2780.4	2744.1	2780.4	2816.7	2822.0
12.5°	2779.2	2778.1	2779.9	2790.7	2810.8	2815.2	2772.9	2730.6	2772.9	2815.2	2810.8
15°	2714.8	2710.4	2706.6	2726.6	2770.4	2790.7	2740.7	2690.7	2740.7	2790.7	2770.4
17.5°	2677.4	2664.2	2650.7	2664.8	2706.6	2724.9	2672.6	2620.3	2672.6	2724.9	2706.6
20°	2659.4	2640.9	2623.4	2631.6	2665.3	2677.8	2626.6	2575.3	2626.6	2677.8	2665.3
22.5°	2650.1	2624.4	2599.9	2601.5	2629.3	2637.3	2586.0	2534.7	2586.0	2637.3	2629.3
25°	2648.1	2609.1	2567.8	2554.0	2567.8	2566.8	2521.8	2476.8	2521.8	2566.8	2567.8
27.5°	2639.5	2592.0	2536.2	2501.0	2486.5	2469.0	2442.5	2416.0	2442.5	2469.0	2486.5
30°	2600.0	2561.2	2512.4	2469.3	2431.7	2399.2	2381.7	2364.2	2381.7	2399.2	2431.7
32.5°	2516.2	2499.7	2473.9	2432.2	2374.7	2328.9	2318.4	2307.9	2318.4	2328.9	2374.7
35°	2352.6	2373.6	2393.6	2366.1	2291.0	2232.5	2223.8	2215.0	2223.8	2232.5	2291.0
37.5°	2136.2	2186.9	2245.4	2245.9	2188.4	2140.7	2122.7	2104.7	2122.7	2140.7	2188.4
40°	1959.5	2033.0	2120.6	2148.1	2115.6	2083.7	2053.7	2023.6	2053.7	2083.7	2115.6
42.5°	1757.4	1850.6	1962.2	2021.3	2027.8	2020.6	1972.6	1924.6	1972.6	2020.6	2027.8
45°	1469.8	1571.4	1692.8	1789.1	1860.4	1897.6	1832.6	1767.5	1832.6	1897.6	1860.4
47.5°	1218.3	1309.5	1417.8	1529.9	1645.7	1715.9	1649.1	1582.3	1649.1	1715.9	1645.7
50°	1064.2	1151.1	1252.5	1365.0	1488.9	1568.3	1514.5	1460.7	1514.5	1568.3	1488.9
52.5°	921.1	1007.0	1108.4	1217.9	1335.8	1414.4	1375.7	1336.9	1375.7	1414.4	1335.8
55°	733.3	812.5	908.8	1008.8	1112.7	1185.5	1165.5	1145.5	1165.5	1185.5	1112.7
57.5°	592.7	659.2	741.0	830.0	926.3	995.4	982.6	969.9	982.6	995.4	926.3
60°	519.4	571.3	635.1	715.2	811.5	881.6	872.8	864.1	872.8	881.6	811.5
62.5°	457.4	498.5	549.3	620.9	713.2	780.7	774.0	767.2	774.0	780.7	713.2
65°	377.8	409.0	447.8	506.6	585.4	643.0	636.7	630.5	636.7	643.0	585.4
67.5°	313.7	338.7	369.2	416.6	480.9	528.3	525.1	521.8	525.1	528.3	480.9
70°	271.4	293.6	321.2	363.1	419.4	461.3	460.0	458.8	460.0	461.3	419.4
72.5°	235.9	253.9	276.4	312.3	361.6	399.0	400.7	402.5	400.7	399.0	361.6
75°	185.1	197.0	212.0	239.5	279.6	310.5	314.3	318.0	314.3	310.5	279.6
77.5°	143.0	146.7	151.7	170.7	203.8	229.5	233.5	237.5	233.5	229.5	203.8
80°	118.2	118.2	118.2	130.7	155.7	175.8	180.8	185.8	180.8	175.8	155.7
82.5°	90.9	91.2	91.2	98.2	112.2	124.5	131.5	138.5	131.5	124.5	112.2
85°	35.7	42.2	49.7	53.5	53.5	55.0	61.3	67.5	61.3	55.0	53.5
87.5°	10.0	9.8	9.8	12.2	16.7	19.9	19.1	18.5	19.1	19.7	17.0
90°	16.1	15.3	15.3	14.6	12.3	9.2	5.4	2.3	5.4	8.4	13.8
92.5°	19.2	19.0	17.8	16.4	13.5	13.5	13.3	8.4	14.6	20.7	29.7
95°	17.6	17.6	20.7	26.1	38.3	39.1	26.1	23.8	33.7	47.5	59.8
97.5°	47.7	56.7	69.6	72.0	68.2	50.9	48.7	45.4	61.8	75.4	95.2
100°	88.1	99.6	108.8	90.4	71.3	70.5	65.9	64.4	82.0	95.0	114.2
102.5°	137.8	141.3	109.4	99.0	94.6	91.3	84.3	83.4	101.0	118.9	135.0
105°	149.4	134.1	134.9	134.9	131.8	125.7	112.6	111.9	131.8	152.5	172.4
107.5°	175.8	178.1	182.1	181.1	177.6	161.2	145.9	142.4	160.3	185.1	207.0
110°	210.7	213.0	214.6	213.0	207.7	187.0	168.6	163.2	179.3	205.4	229.1



TEST NUMBER: P1428223

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	244.4	246.1	249.5	244.9	235.9	212.1	191.3	183.4	199.5	226.2	250.6
115°	298.1	298.1	298.8	296.6	278.2	253.6	226.1	214.6	228.4	252.9	279.7
117.5°	350.8	351.7	348.7	342.5	321.2	292.7	261.8	243.4	254.3	280.2	307.7
120°	383.9	385.4	382.4	373.2	352.5	320.3	285.1	263.6	272.0	297.3	324.9
122.5°	418.2	417.9	414.3	403.8	379.5	346.1	311.4	285.1	288.6	312.0	339.0
125°	465.9	465.1	462.1	449.8	424.5	390.0	349.4	317.2	312.6	332.6	360.2
127.5°	511.3	509.6	504.8	490.0	464.1	430.8	386.2	349.7	339.5	352.0	377.3
130°	542.5	540.2	531.8	515.7	490.4	459.0	413.8	372.4	357.9	365.5	387.7
132.5°	572.6	566.0	558.8	541.5	518.0	485.4	439.5	396.3	376.2	379.6	396.9
135°	610.7	604.6	595.4	578.5	556.3	524.1	478.2	431.4	403.8	400.8	410.7
137.5°	644.3	637.9	627.4	612.9	590.5	561.8	517.7	468.4	433.6	423.3	427.1
140°	665.1	657.5	648.3	633.7	613.8	583.9	541.0	493.5	454.4	439.8	437.5
142.5°	682.3	676.5	666.7	653.3	635.9	606.0	564.3	517.4	475.9	457.0	451.6
145°	708.0	703.4	692.7	680.5	665.9	636.0	597.7	551.0	509.6	485.1	473.6
147.5°	729.8	726.1	717.7	703.3	691.0	662.4	627.4	586.1	543.6	513.3	498.4
150°	743.3	740.2	731.8	718.0	705.7	678.9	645.2	606.9	566.3	534.1	514.9
152.5°	756.2	753.1	743.4	729.7	719.2	694.2	663.6	627.1	585.9	553.7	533.9
155°	773.2	769.3	760.1	747.1	737.9	714.9	686.6	654.4	619.2	585.4	563.2
157.5°	786.7	781.9	773.3	762.1	752.3	731.2	706.5	678.8	648.0	615.8	593.1
160°	794.6	789.3	780.1	770.1	760.9	741.0	718.8	693.5	665.1	636.0	611.5
162.5°	800.1	795.4	784.4	775.6	767.7	749.6	728.6	705.7	680.5	655.0	632.3
165°	806.1	800.8	789.3	782.4	775.5	760.1	741.8	723.4	701.9	681.2	662.8
167.5°	806.6	802.1	790.6	783.9	778.8	765.7	750.8	736.7	720.0	703.8	688.4
170°	805.4	801.5	790.0	783.9	780.1	769.3	756.3	744.1	731.0	717.2	705.0
172.5°	801.1	797.2	786.4	781.5	779.5	770.0	759.4	750.2	739.0	728.9	719.1
175°	790.0	787.0	777.8	774.7	775.5	769.3	761.7	756.3	749.4	743.3	737.9
177.5°	773.9	772.1	765.4	765.4	767.8	764.1	761.7	759.2	756.2	754.3	752.5
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428223

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0
2.5°	2759.0	2752.5	2753.5	2755.0	2758.0	2761.0	2758.0	2755.0	2753.5	2752.5	2759.0
5°	2770.7	2765.1	2767.6	2772.6	2785.1	2797.6	2785.1	2772.6	2767.6	2765.1	2770.7
7.5°	2802.3	2802.4	2809.6	2819.2	2835.7	2852.2	2835.7	2819.2	2809.6	2802.4	2802.3
10°	2817.0	2815.1	2816.4	2821.7	2839.2	2856.7	2839.2	2821.7	2816.4	2815.1	2817.0
12.5°	2790.7	2779.9	2778.1	2779.2	2788.7	2798.2	2788.7	2779.2	2778.1	2779.9	2790.7
15°	2726.6	2706.6	2710.4	2714.8	2721.0	2727.3	2721.0	2714.8	2710.4	2706.6	2726.6
17.5°	2664.8	2650.7	2664.2	2677.4	2689.7	2701.9	2689.7	2677.4	2664.2	2650.7	2664.8
20°	2631.6	2623.4	2640.9	2659.4	2680.7	2701.9	2680.7	2659.4	2640.9	2623.4	2631.6
22.5°	2601.5	2599.9	2624.4	2650.1	2679.4	2708.7	2679.4	2650.1	2624.4	2599.9	2601.5
25°	2554.0	2567.8	2609.1	2648.1	2680.7	2713.2	2680.7	2648.1	2609.1	2567.8	2554.0
27.5°	2501.0	2536.2	2592.0	2639.5	2662.3	2685.0	2662.3	2639.5	2592.0	2536.2	2501.0
30°	2469.3	2512.4	2561.2	2600.0	2608.7	2617.5	2608.7	2600.0	2561.2	2512.4	2469.3
32.5°	2432.2	2473.9	2499.7	2516.2	2504.9	2493.7	2504.9	2516.2	2499.7	2473.9	2432.2
35°	2366.1	2393.6	2373.6	2352.6	2328.9	2305.1	2328.9	2352.6	2373.6	2393.6	2366.1
37.5°	2245.9	2245.4	2186.9	2136.2	2108.9	2081.6	2108.9	2136.2	2186.9	2245.4	2245.9
40°	2148.1	2120.6	2033.0	1959.5	1928.3	1897.0	1928.3	1959.5	2033.0	2120.6	2148.1
42.5°	2021.3	1962.2	1850.6	1757.4	1719.1	1680.8	1719.1	1757.4	1850.6	1962.2	2021.3
45°	1789.1	1692.8	1571.4	1469.8	1427.3	1384.7	1427.3	1469.8	1571.4	1692.8	1789.1
47.5°	1529.9	1417.8	1309.5	1218.3	1178.5	1138.8	1178.5	1218.3	1309.5	1417.8	1529.9
50°	1365.0	1252.5	1151.1	1064.2	1020.4	976.6	1020.4	1064.2	1151.1	1252.5	1365.0
52.5°	1217.9	1108.4	1007.0	921.1	881.3	841.5	881.3	921.1	1007.0	1108.4	1217.9
55°	1008.8	908.8	812.5	733.3	705.8	678.3	705.8	733.3	812.5	908.8	1008.8
57.5°	830.0	741.0	659.2	592.7	572.5	552.2	572.5	592.7	659.2	741.0	830.0
60°	715.2	635.1	571.3	519.4	503.2	486.9	503.2	519.4	571.3	635.1	715.2
62.5°	620.9	549.3	498.5	457.4	445.1	432.9	445.1	457.4	498.5	549.3	620.9
65°	506.6	447.8	409.0	377.8	369.0	360.3	369.0	377.8	409.0	447.8	506.6
67.5°	416.6	369.2	338.7	313.7	305.5	297.2	305.5	313.7	338.7	369.2	416.6
70°	363.1	321.2	293.6	271.4	265.2	258.9	265.2	271.4	293.6	321.2	363.1
72.5°	312.3	276.4	253.9	235.9	231.7	227.4	231.7	235.9	253.9	276.4	312.3
75°	239.5	212.0	197.0	185.1	182.6	180.1	182.6	185.1	197.0	212.0	239.5
77.5°	170.7	151.7	146.7	143.0	143.0	143.0	143.0	143.0	146.7	151.7	170.7
80°	130.7	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	130.7
82.5°	98.2	91.2	91.2	90.9	89.9	88.9	89.9	90.9	91.2	91.2	98.2
85°	53.5	49.7	42.2	35.7	31.9	28.1	31.9	35.7	42.2	49.7	53.5
87.5°	12.8	11.4	12.4	13.0	13.7	13.3	13.7	13.0	12.4	11.4	12.8
90°	17.6	23.0	28.4	31.4	34.5	33.0	34.5	31.4	28.4	23.0	17.6
92.5°	35.4	44.4	51.0	56.6	59.0	58.7	59.0	56.6	51.0	44.4	35.4
95°	71.3	82.0	92.7	100.4	105.0	103.4	105.0	100.4	92.7	82.0	71.3
97.5°	109.9	124.3	136.2	143.4	148.0	151.1	148.0	143.4	136.2	124.3	109.9
100°	135.6	149.4	163.2	171.6	179.3	182.4	179.3	171.6	163.2	149.4	135.6
102.5°	156.5	174.6	189.6	198.6	205.1	208.1	205.1	198.6	189.6	174.6	156.5
105°	190.8	210.0	226.1	237.5	244.4	246.7	244.4	237.5	226.1	210.0	190.8
107.5°	225.1	244.9	259.8	272.5	280.9	285.8	280.9	272.5	259.8	244.9	225.1
110°	252.1	268.2	284.3	295.8	304.2	307.3	304.2	295.8	284.3	268.2	252.1



TEST NUMBER: P1428223

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	274.8	292.7	308.8	320.3	330.0	334.3	330.0	320.3	308.8	292.7	274.8
115°	306.5	330.3	344.8	355.6	362.5	366.3	362.5	355.6	344.8	330.3	306.5
117.5°	332.9	357.7	373.6	381.9	385.1	387.9	385.1	381.9	373.6	357.7	332.9
120°	349.4	372.4	390.8	401.5	405.4	406.9	405.4	401.5	390.8	372.4	349.4
122.5°	364.7	386.5	404.3	417.5	423.8	425.3	423.8	417.5	404.3	386.5	364.7
125°	386.2	406.9	425.3	438.3	445.2	449.0	445.2	438.3	425.3	406.9	386.2
127.5°	404.9	427.3	444.1	455.9	462.7	465.7	462.7	455.9	444.1	427.3	404.9
130°	415.3	438.3	455.2	468.2	474.3	477.4	474.3	468.2	455.2	438.3	415.3
132.5°	423.3	447.5	465.0	476.8	483.5	486.6	483.5	476.8	465.0	447.5	423.3
135°	432.9	458.2	476.6	488.1	494.3	497.3	494.3	488.1	476.6	458.2	432.9
137.5°	441.4	464.4	483.5	495.6	501.1	503.1	501.1	495.6	483.5	464.4	441.4
140°	447.5	467.4	486.6	498.1	504.2	505.0	504.2	498.1	486.6	467.4	447.5
142.5°	455.5	471.1	487.8	499.3	505.4	506.8	505.4	499.3	487.8	471.1	455.5
145°	469.7	478.9	490.4	501.1	506.5	508.0	506.5	501.1	490.4	478.9	469.7
147.5°	487.7	490.6	496.5	503.6	508.8	509.9	508.8	503.6	496.5	490.6	487.7
150°	501.1	500.4	502.7	507.3	511.9	511.1	511.9	507.3	502.7	500.4	501.1
152.5°	516.5	512.0	511.9	514.0	516.2	516.0	516.2	514.0	511.9	512.0	516.5
155°	542.5	534.1	529.5	528.0	528.0	527.2	528.0	528.0	529.5	534.1	542.5
157.5°	571.2	559.4	552.5	548.8	547.7	546.1	547.7	548.8	552.5	559.4	571.2
160°	590.8	577.8	570.9	564.7	562.4	560.2	562.4	564.7	570.9	577.8	590.8
162.5°	609.2	596.8	589.3	583.8	581.5	577.9	581.5	583.8	589.3	596.8	609.2
165°	639.1	626.1	617.6	613.0	610.0	606.9	610.0	613.0	617.6	626.1	639.1
167.5°	669.0	654.7	649.2	644.0	641.1	635.6	641.1	644.0	649.2	654.7	669.0
170°	687.4	674.3	671.3	666.7	661.3	655.2	661.3	666.7	671.3	674.3	687.4
172.5°	703.3	694.6	691.5	686.9	685.2	680.3	685.2	686.9	691.5	694.6	703.3
175°	726.4	719.5	719.5	718.8	716.5	711.9	716.5	718.8	719.5	719.5	726.4
177.5°	745.7	742.1	744.5	744.5	743.9	739.6	743.9	744.5	744.5	742.1	745.7
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428223

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2761.0	2761.0	2761.0	2761.0
2.5°	2773.0	2779.8	2764.8	2749.8
5°	2784.5	2789.5	2768.2	2747.0
7.5°	2809.3	2806.9	2776.7	2746.4
10°	2822.0	2816.7	2780.4	2744.1
12.5°	2810.8	2815.2	2772.9	2730.6
15°	2770.4	2790.7	2740.7	2690.7
17.5°	2706.6	2724.9	2672.6	2620.3
20°	2665.3	2677.8	2626.6	2575.3
22.5°	2629.3	2637.3	2586.0	2534.7
25°	2567.8	2566.8	2521.8	2476.8
27.5°	2486.5	2469.0	2442.5	2416.0
30°	2431.7	2399.2	2381.7	2364.2
32.5°	2374.7	2328.9	2318.4	2307.9
35°	2291.0	2232.5	2223.8	2215.0
37.5°	2188.4	2140.7	2122.7	2104.7
40°	2115.6	2083.7	2053.7	2023.6
42.5°	2027.8	2020.6	1972.6	1924.6
45°	1860.4	1897.6	1832.6	1767.5
47.5°	1645.7	1715.9	1649.1	1582.3
50°	1488.9	1568.3	1514.5	1460.7
52.5°	1335.8	1414.4	1375.7	1336.9
55°	1112.7	1185.5	1165.5	1145.5
57.5°	926.3	995.4	982.6	969.9
60°	811.5	881.6	872.8	864.1
62.5°	713.2	780.7	774.0	767.2
65°	585.4	643.0	636.7	630.5
67.5°	480.9	528.3	525.1	521.8
70°	419.4	461.3	460.0	458.8
72.5°	361.6	399.0	400.7	402.5
75°	279.6	310.5	314.3	318.0
77.5°	203.8	229.5	233.5	237.5
80°	155.7	175.8	180.8	185.8
82.5°	112.2	124.5	131.5	138.5
85°	53.5	55.0	61.3	67.5
87.5°	17.0	19.7	19.1	18.5
90°	13.8	8.4	5.4	2.3
92.5°	29.7	20.7	14.6	8.4
95°	59.8	47.5	33.7	23.8
97.5°	95.2	75.4	61.8	45.4
100°	114.2	95.0	82.0	64.4
102.5°	135.0	118.9	101.0	83.4
105°	172.4	152.5	131.8	111.9
107.5°	207.0	185.1	160.3	142.4
110°	229.1	205.4	179.3	163.2



TEST NUMBER: P1428223

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	250.6	226.2	199.5	183.4
115°	279.7	252.9	228.4	214.6
117.5°	307.7	280.2	254.3	243.4
120°	324.9	297.3	272.0	263.6
122.5°	339.0	312.0	288.6	285.1
125°	360.2	332.6	312.6	317.2
127.5°	377.3	352.0	339.5	349.7
130°	387.7	365.5	357.9	372.4
132.5°	396.9	379.6	376.2	396.3
135°	410.7	400.8	403.8	431.4
137.5°	427.1	423.3	433.6	468.4
140°	437.5	439.8	454.4	493.5
142.5°	451.6	457.0	475.9	517.4
145°	473.6	485.1	509.6	551.0
147.5°	498.4	513.3	543.6	586.1
150°	514.9	534.1	566.3	606.9
152.5°	533.9	553.7	585.9	627.1
155°	563.2	585.4	619.2	654.4
157.5°	593.1	615.8	648.0	678.8
160°	611.5	636.0	665.1	693.5
162.5°	632.3	655.0	680.5	705.7
165°	662.8	681.2	701.9	723.4
167.5°	688.4	703.8	720.0	736.7
170°	705.0	717.2	731.0	744.1
172.5°	719.1	728.9	739.0	750.2
175°	737.9	743.3	749.4	756.3
177.5°	752.5	754.3	756.2	759.2
180°	758.6	758.6	758.6	758.6



TEST NUMBER: P1428223
 CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L840-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	21.95	23.02	22.67	23.75	24.62	18.32	19.39	19.04	20.12	20.99
	3H	23.17	24.13	23.91	24.87	25.77	19.50	20.45	20.23	21.20	22.09
	4H	23.67	24.57	24.42	25.32	26.23	19.97	20.87	20.72	21.62	22.53
	6H	23.98	24.81	24.74	25.57	26.49	20.32	21.15	21.09	21.91	22.84
	8H	24.09	24.87	24.86	25.65	26.58	20.47	21.25	21.24	22.03	22.96
	12H	24.13	24.88	24.91	25.65	26.61	20.51	21.26	21.28	22.03	22.98
4H	2H	22.08	22.98	22.83	23.73	24.64	19.06	19.96	19.81	20.71	21.62
	3H	23.56	24.30	24.33	25.09	26.02	20.43	21.18	21.20	21.96	22.89
	4H	24.20	24.87	24.98	25.66	26.62	20.99	21.66	21.77	22.45	23.40
	6H	24.64	25.22	25.44	26.03	27.00	21.43	22.01	22.23	22.82	23.79
	8H	24.80	25.34	25.60	26.15	27.13	21.62	22.16	22.42	22.97	23.94
	12H	24.88	25.36	25.70	26.19	27.17	21.67	22.16	22.49	22.99	23.97
8H	4H	24.24	24.78	25.04	25.59	26.56	21.33	21.87	22.13	22.68	23.65
	6H	24.78	25.22	25.61	26.07	27.05	21.87	22.32	22.70	23.17	24.15
	8H	25.01	25.41	25.85	26.26	27.25	22.14	22.54	22.98	23.38	24.38
	12H	25.14	25.49	25.98	26.33	27.38	22.24	22.59	23.08	23.43	24.48
12H	4H	24.20	24.69	25.03	25.52	26.50	21.36	21.84	22.18	22.67	23.65
	6H	24.77	25.16	25.61	26.01	27.01	21.95	22.35	22.79	23.19	24.19
	8H	25.03	25.38	25.87	26.21	27.27	22.24	22.60	23.09	23.43	24.49