

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: P1428394

Luminaire Tested: SQ2W-PW1-K-050U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428394
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-050U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

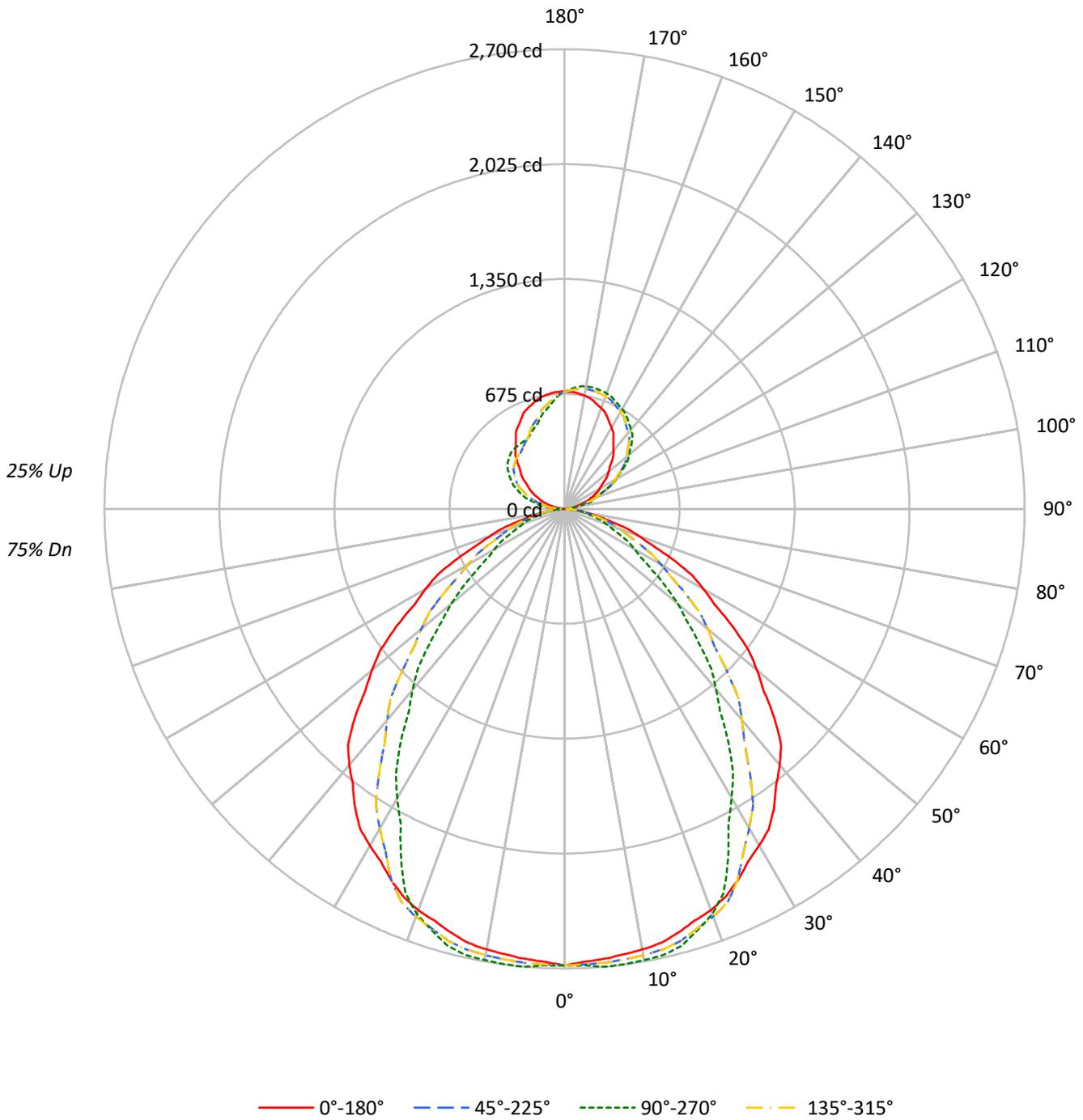
Lumens per Lamp: N/A
Luminaire Lumens: 7965.2 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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				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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	104	100	96	93	99	95	92	89	87	84	82	79	77	75	71	70	68	65
2	96	88	82	77	91	84	79	75	77	73	69	70	67	64	64	61	59	56
3	88	79	71	66	83	75	69	63	69	63	59	63	59	55	57	54	51	48
4	81	70	62	56	77	67	60	55	62	56	51	56	52	48	52	48	45	42
5	75	63	55	49	71	60	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	37	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	29	26
9	56	44	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	29	25	31	27	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43307	43307	43307	43307
5°	43017	43763	43017	43763
10°	43097	44143	43097	44143
15°	43085	44409	43085	44409
20°	43102	43540	43102	43540
25°	42869	40457	42869	40457
30°	42578	36576	42578	36576
35°	42245	33030	42245	33030
40°	41405	29183	41405	29183
45°	39780	25489	39780	25489
50°	37024	21818	37024	21818
55°	33869	17689	33869	17689
60°	30357	15261	30357	15261
65°	26544	13566	26544	13566
70°	21706	12302	21706	12302
75°	16893	11316	16893	11316
80°	12589	9977	12589	9977
85°	8521	5687	8521	5687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	3.2
10°-20°	740.1	9.3
20°-30°	1089.1	13.7
30°-40°	1190.8	14.9
40°-50°	1068.2	13.4
50°-60°	796.8	10.0
60°-70°	503.6	6.3
70°-80°	249.5	3.1
80°-90°	61.2	0.8
90°-100°	54.8	0.7
100°-110°	159.8	2.0
110°-120°	260.8	3.3
120°-130°	330.9	4.2
130°-140°	354.1	4.4
140°-150°	330.7	4.2
150°-160°	272.1	3.4
160°-170°	182.5	2.3
170°-180°	64.8	0.8
0°-30°	2084.5	26.2
0°-40°	3275.3	41.1
0°-60°	5140.4	64.5
0°-90°	5954.8	74.8
90°-120°	475.4	6.0
90°-150°	1491.1	18.7
90°-180°	2010.0	25.2
0°-180°	7965.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2682	2682	2682	2682	2682	
5°	2654	2700	2654	2700	2654	253
15°	2578	2657	2578	2657	2578	728
25°	2406	2271	2406	2271	2406	1108
35°	2143	1676	2143	1676	2143	1337
45°	1742	1116	1742	1116	1742	1336
55°	1203	628	1203	628	1203	1074
65°	695	355	695	355	695	689
75°	271	181	271	181	271	298
85°	46	31	46	31	46	58
90°	2	15	2	30	2	3
95°	22	16	22	94	22	26
105°	102	163	102	224	102	108
115°	195	270	195	332	195	192
125°	288	428	288	408	288	258
135°	392	560	392	451	392	303
145°	500	645	500	461	500	313
155°	594	701	594	478	594	273
165°	657	731	657	551	657	185
175°	686	716	686	646	686	65
180°	689	689	689	689	689	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2663.9	2679.4	2694.8	2691.2	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6
5°	2654.2	2673.5	2692.8	2690.0	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0
7.5°	2640.9	2660.4	2680.0	2679.1	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7
10°	2628.7	2649.1	2669.5	2669.5	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4
12.5°	2612.3	2633.7	2655.0	2656.6	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3
15°	2577.6	2600.3	2623.0	2627.8	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1
17.5°	2537.2	2559.9	2582.6	2587.1	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7
20°	2508.6	2531.3	2554.0	2557.1	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1
22.5°	2467.7	2492.2	2516.8	2516.9	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4
25°	2406.4	2430.3	2454.1	2443.0	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0
27.5°	2334.9	2354.2	2373.5	2344.6	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1
30°	2283.8	2298.5	2313.3	2267.6	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6
32.5°	2230.7	2236.3	2242.0	2181.8	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9
35°	2143.3	2133.1	2122.9	2042.8	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4
37.5°	2040.1	2009.7	1979.2	1889.0	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9
40°	1964.5	1921.3	1878.2	1781.4	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4
42.5°	1880.7	1826.6	1772.6	1673.1	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0
45°	1742.2	1678.6	1615.1	1511.5	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2
47.5°	1586.4	1523.3	1460.1	1356.8	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3
50°	1474.0	1412.7	1351.4	1252.6	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5
52.5°	1359.5	1304.6	1249.6	1154.5	1046.0	955.0	881.7	818.1	784.1	750.0	784.1
55°	1203.2	1151.0	1098.8	1009.1	906.9	814.9	733.2	667.0	647.7	628.4	647.7
57.5°	1042.3	997.1	951.9	871.3	778.9	695.5	621.3	561.6	545.7	529.8	545.7
60°	940.1	900.3	860.6	783.4	693.7	617.6	555.2	504.4	488.5	472.6	488.5
62.5°	842.0	806.8	771.6	697.6	610.6	542.3	492.5	451.9	438.8	425.6	438.8
65°	694.8	668.7	642.6	581.6	508.9	452.2	411.3	377.8	366.4	355.1	366.4
67.5°	551.8	537.3	522.7	477.0	420.9	375.0	339.1	310.3	302.8	295.3	302.8
70°	459.8	455.3	450.7	413.0	364.2	325.0	295.5	271.9	266.2	260.6	266.2
72.5°	380.1	381.9	383.8	352.4	309.9	277.1	253.9	235.6	231.7	227.9	231.7
75°	270.8	279.9	289.0	268.2	237.6	214.3	198.4	185.9	183.6	181.4	183.6
77.5°	184.4	198.1	211.7	198.2	175.8	158.6	146.8	137.5	135.7	133.9	135.7
80°	135.4	149.0	162.6	153.3	136.2	123.2	114.1	107.3	107.3	107.3	107.3
82.5°	94.5	105.4	116.3	109.7	97.2	88.7	84.1	80.7	80.7	80.7	80.7
85°	46.0	51.7	57.3	55.3	50.8	45.1	38.3	32.9	31.8	30.7	31.8
87.5°	12.7	16.0	19.4	17.2	13.1	10.5	9.6	9.1	9.2	9.2	9.2
90°	2.1	4.9	8.3	11.1	13.2	13.9	13.9	14.6	15.3	15.3	15.3
92.5°	7.7	12.1	12.2	12.2	14.9	16.1	17.2	17.4	18.1	18.1	18.1
95°	21.6	23.6	35.5	34.8	23.6	18.8	16.0	16.0	16.0	16.0	16.0
97.5°	41.2	44.2	46.2	61.9	65.4	63.2	51.5	43.3	38.7	36.6	38.7
100°	58.4	59.8	64.0	64.7	82.1	98.8	90.4	80.0	76.5	74.4	76.5
102.5°	75.7	76.5	82.9	85.8	89.9	99.3	128.3	125.1	122.7	122.3	122.7
105°	101.5	102.2	114.1	119.6	122.4	122.4	121.7	135.6	157.9	162.7	157.9
107.5°	129.2	132.4	146.3	161.2	164.4	165.3	161.6	159.5	158.7	159.3	158.7
110°	148.1	153.0	169.7	188.5	193.4	194.7	193.4	191.3	189.9	189.9	189.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	166.5	173.6	192.5	214.1	222.3	226.5	223.4	221.9	220.5	221.6	220.5
115°	194.7	205.2	230.2	252.5	269.2	271.2	270.6	270.6	269.9	269.9	269.9
117.5°	220.9	237.6	265.7	291.6	310.9	316.5	319.2	318.4	317.6	319.0	317.6
120°	239.3	258.7	290.7	319.9	338.7	347.1	349.8	348.4	349.8	348.4	349.8
122.5°	258.7	282.7	314.1	344.4	366.5	376.0	379.3	379.6	379.9	379.1	379.9
125°	287.9	317.2	354.0	385.3	408.3	419.4	422.2	422.9	424.3	427.7	424.3
127.5°	317.4	350.5	391.0	421.2	444.7	458.2	462.5	464.0	467.0	468.5	467.0
130°	338.0	375.6	416.6	445.1	468.1	482.7	490.3	492.4	495.9	495.2	495.9
132.5°	359.7	398.9	440.5	470.2	491.4	507.2	513.7	519.7	520.9	521.9	520.9
135°	391.6	434.0	475.7	504.9	525.1	540.4	548.8	554.3	557.8	559.9	557.8
137.5°	425.1	469.9	509.9	536.0	556.3	569.5	578.9	584.8	588.4	590.1	588.4
140°	447.9	491.0	530.0	557.1	575.2	588.4	596.7	603.7	607.9	607.9	607.9
142.5°	469.6	512.2	550.0	577.1	593.0	605.1	614.0	619.3	624.0	624.0	624.0
145°	500.1	542.5	577.3	604.4	617.6	628.7	638.5	642.6	645.4	645.4	645.4
147.5°	531.9	569.5	601.2	627.2	638.3	651.4	659.1	662.4	665.9	664.3	665.9
150°	550.8	585.6	616.2	640.6	651.7	664.2	671.9	674.6	678.1	676.0	678.1
152.5°	569.2	602.3	630.1	652.8	662.3	674.8	683.5	686.3	688.7	687.2	688.7
155°	594.0	623.2	648.9	669.8	678.1	689.9	698.3	701.8	704.5	701.1	704.5
157.5°	616.1	641.3	663.7	682.8	691.8	701.9	709.7	714.0	716.8	715.3	716.8
160°	629.4	652.4	672.6	690.6	699.0	708.0	716.4	721.2	724.0	721.9	724.0
162.5°	640.6	661.3	680.3	696.8	704.0	711.9	721.9	726.2	729.0	726.4	729.0
165°	656.6	673.3	689.9	703.9	710.1	716.4	726.8	731.7	733.8	731.0	733.8
167.5°	668.7	681.5	695.0	706.9	711.5	717.6	728.1	732.1	734.7	731.3	734.7
170°	675.3	686.5	698.3	708.0	711.5	717.1	727.5	731.0	733.1	729.6	733.1
172.5°	680.9	689.2	698.8	707.5	709.3	713.7	723.6	727.1	728.6	725.7	728.6
175°	686.5	691.3	698.3	703.9	703.2	705.9	714.3	717.1	719.9	715.7	719.9
177.5°	689.1	691.3	693.6	696.9	694.7	694.7	700.8	702.5	703.0	700.8	703.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2678.9	2677.5	2676.6	2681.2	2691.2	2694.8	2679.4	2663.9	2679.4	2694.8	2691.2
5°	2679.7	2676.3	2675.2	2679.7	2690.0	2692.8	2673.5	2654.2	2673.5	2692.8	2690.0
7.5°	2678.7	2673.3	2669.4	2671.3	2679.1	2680.0	2660.4	2640.9	2660.4	2680.0	2679.1
10°	2674.4	2667.8	2662.1	2662.7	2669.5	2669.5	2649.1	2628.7	2649.1	2669.5	2669.5
12.5°	2666.2	2659.0	2652.4	2651.6	2656.6	2655.0	2633.7	2612.3	2633.7	2655.0	2656.6
15°	2645.4	2638.0	2630.1	2626.7	2627.8	2623.0	2600.3	2577.6	2600.3	2623.0	2627.8
17.5°	2590.0	2587.8	2585.7	2585.5	2587.1	2582.6	2559.9	2537.2	2559.9	2582.6	2587.1
20°	2534.1	2540.1	2548.0	2553.7	2557.1	2554.0	2531.3	2508.6	2531.3	2554.0	2557.1
22.5°	2454.7	2472.7	2494.2	2509.0	2516.9	2516.8	2492.2	2467.7	2492.2	2516.8	2516.9
25°	2305.1	2342.5	2386.8	2420.3	2443.0	2454.1	2430.3	2406.4	2430.3	2454.1	2443.0
27.5°	2129.7	2182.8	2245.7	2299.6	2344.6	2373.5	2354.2	2334.9	2354.2	2373.5	2344.6
30°	2007.3	2064.9	2134.2	2201.8	2267.6	2313.3	2298.5	2283.8	2298.5	2313.3	2267.6
32.5°	1890.4	1950.5	2022.5	2099.6	2181.8	2242.0	2236.3	2230.7	2236.3	2242.0	2181.8
35°	1718.9	1778.8	1851.5	1939.5	2042.8	2122.9	2133.1	2143.3	2133.1	2122.9	2042.8
37.5°	1546.7	1609.7	1685.8	1778.9	1889.0	1979.2	2009.7	2040.1	2009.7	1979.2	1889.0
40°	1432.3	1495.3	1571.3	1666.7	1781.4	1878.2	1921.3	1964.5	1921.3	1878.2	1781.4
42.5°	1323.7	1387.0	1463.0	1558.4	1673.1	1772.6	1826.6	1880.7	1826.6	1772.6	1673.1
45°	1164.0	1225.3	1299.1	1394.5	1511.5	1615.1	1678.6	1742.2	1678.6	1615.1	1511.5
47.5°	1015.7	1074.5	1146.0	1240.1	1356.8	1460.1	1523.3	1586.4	1523.3	1460.1	1356.8
50°	918.5	978.4	1049.9	1141.3	1252.6	1351.4	1412.7	1474.0	1412.7	1351.4	1252.6
52.5°	818.1	881.7	955.0	1046.0	1154.5	1249.6	1304.6	1359.5	1304.6	1249.6	1154.5
55°	667.0	733.2	814.9	906.9	1009.1	1098.8	1151.0	1203.2	1151.0	1098.8	1009.1
57.5°	561.6	621.3	695.5	778.9	871.3	951.9	997.1	1042.3	997.1	951.9	871.3
60°	504.4	555.2	617.6	693.7	783.4	860.6	900.3	940.1	900.3	860.6	783.4
62.5°	451.9	492.5	542.3	610.6	697.6	771.6	806.8	842.0	806.8	771.6	697.6
65°	377.8	411.3	452.2	508.9	581.6	642.6	668.7	694.8	668.7	642.6	581.6
67.5°	310.3	339.1	375.0	420.9	477.0	522.7	537.3	551.8	537.3	522.7	477.0
70°	271.9	295.5	325.0	364.2	413.0	450.7	455.3	459.8	455.3	450.7	413.0
72.5°	235.6	253.9	277.1	309.9	352.4	383.8	381.9	380.1	381.9	383.8	352.4
75°	185.9	198.4	214.3	237.6	268.2	289.0	279.9	270.8	279.9	289.0	268.2
77.5°	137.5	146.8	158.6	175.8	198.2	211.7	198.1	184.4	198.1	211.7	198.2
80°	107.3	114.1	123.2	136.2	153.3	162.6	149.0	135.4	149.0	162.6	153.3
82.5°	80.7	84.1	88.7	97.2	109.7	116.3	105.4	94.5	105.4	116.3	109.7
85°	32.9	38.3	45.1	50.8	55.3	57.3	51.7	46.0	51.7	57.3	55.3
87.5°	9.1	9.6	10.5	13.1	17.2	19.4	16.0	12.7	16.0	19.2	17.5
90°	14.6	13.9	13.9	13.2	11.1	8.3	4.9	2.1	4.9	7.7	12.5
92.5°	17.4	17.2	16.1	14.9	12.2	12.2	12.1	7.7	13.2	18.8	27.0
95°	16.0	16.0	18.8	23.6	34.8	35.5	23.6	21.6	30.6	43.1	54.2
97.5°	43.3	51.5	63.2	65.4	61.9	46.2	44.2	41.2	56.1	68.4	86.4
100°	80.0	90.4	98.8	82.1	64.7	64.0	59.8	58.4	74.4	86.2	103.6
102.5°	125.1	128.3	99.3	89.9	85.8	82.9	76.5	75.7	91.7	107.9	122.5
105°	135.6	121.7	122.4	122.4	119.6	114.1	102.2	101.5	119.6	138.4	156.5
107.5°	159.5	161.6	165.3	164.4	161.2	146.3	132.4	129.2	145.5	168.0	187.9
110°	191.3	193.4	194.7	193.4	188.5	169.7	153.0	148.1	162.7	186.4	208.0



TEST NUMBER: P1428394

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	221.9	223.4	226.5	222.3	214.1	192.5	173.6	166.5	181.1	205.3	227.4
115°	270.6	270.6	271.2	269.2	252.5	230.2	205.2	194.7	207.3	229.5	253.9
117.5°	318.4	319.2	316.5	310.9	291.6	265.7	237.6	220.9	230.8	254.3	279.3
120°	348.4	349.8	347.1	338.7	319.9	290.7	258.7	239.3	246.9	269.9	294.9
122.5°	379.6	379.3	376.0	366.5	344.4	314.1	282.7	258.7	261.9	283.2	307.7
125°	422.9	422.2	419.4	408.3	385.3	354.0	317.2	287.9	283.8	301.9	326.9
127.5°	464.0	462.5	458.2	444.7	421.2	391.0	350.5	317.4	308.1	319.5	342.5
130°	492.4	490.3	482.7	468.1	445.1	416.6	375.6	338.0	324.8	331.8	351.9
132.5°	519.7	513.7	507.2	491.4	470.2	440.5	398.9	359.7	341.5	344.6	360.3
135°	554.3	548.8	540.4	525.1	504.9	475.7	434.0	391.6	366.5	363.8	372.8
137.5°	584.8	578.9	569.5	556.3	536.0	509.9	469.9	425.1	393.5	384.2	387.7
140°	603.7	596.7	588.4	575.2	557.1	530.0	491.0	447.9	412.4	399.2	397.1
142.5°	619.3	614.0	605.1	593.0	577.1	550.0	512.2	469.6	431.9	414.8	409.9
145°	642.6	638.5	628.7	617.6	604.4	577.3	542.5	500.1	462.5	440.3	429.8
147.5°	662.4	659.1	651.4	638.3	627.2	601.2	569.5	531.9	493.4	465.9	452.4
150°	674.6	671.9	664.2	651.7	640.6	616.2	585.6	550.8	514.0	484.8	467.4
152.5°	686.3	683.5	674.8	662.3	652.8	630.1	602.3	569.2	531.8	502.6	484.6
155°	701.8	698.3	689.9	678.1	669.8	648.9	623.2	594.0	562.0	531.4	511.2
157.5°	714.0	709.7	701.9	691.8	682.8	663.7	641.3	616.1	588.1	558.9	538.3
160°	721.2	716.4	708.0	699.0	690.6	672.6	652.4	629.4	603.7	577.3	555.0
162.5°	726.2	721.9	711.9	704.0	696.8	680.3	661.3	640.6	617.6	594.5	573.9
165°	731.7	726.8	716.4	710.1	703.9	689.9	673.3	656.6	637.1	618.3	601.6
167.5°	732.1	728.1	717.6	711.5	706.9	695.0	681.5	668.7	653.5	638.8	624.8
170°	731.0	727.5	717.1	711.5	708.0	698.3	686.5	675.3	663.5	651.0	639.9
172.5°	727.1	723.6	713.7	709.3	707.5	698.8	689.2	680.9	670.7	661.6	652.7
175°	717.1	714.3	705.9	703.2	703.9	698.3	691.3	686.5	680.2	674.6	669.8
177.5°	702.5	700.8	694.7	694.7	696.9	693.6	691.3	689.1	686.3	684.7	683.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428394

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6	2678.9	2677.5	2676.6	2681.2
5°	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0	2679.7	2676.3	2675.2	2679.7
7.5°	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7	2678.7	2673.3	2669.4	2671.3
10°	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4	2674.4	2667.8	2662.1	2662.7
12.5°	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3	2666.2	2659.0	2652.4	2651.6
15°	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1	2645.4	2638.0	2630.1	2626.7
17.5°	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7	2590.0	2587.8	2585.7	2585.5
20°	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1	2534.1	2540.1	2548.0	2553.7
22.5°	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4	2454.7	2472.7	2494.2	2509.0
25°	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0	2305.1	2342.5	2386.8	2420.3
27.5°	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1	2129.7	2182.8	2245.7	2299.6
30°	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6	2007.3	2064.9	2134.2	2201.8
32.5°	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9	1890.4	1950.5	2022.5	2099.6
35°	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4	1718.9	1778.8	1851.5	1939.5
37.5°	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9	1546.7	1609.7	1685.8	1778.9
40°	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4	1432.3	1495.3	1571.3	1666.7
42.5°	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0	1323.7	1387.0	1463.0	1558.4
45°	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2	1164.0	1225.3	1299.1	1394.5
47.5°	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3	1015.7	1074.5	1146.0	1240.1
50°	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5	918.5	978.4	1049.9	1141.3
52.5°	1046.0	955.0	881.7	818.1	784.1	750.0	784.1	818.1	881.7	955.0	1046.0
55°	906.9	814.9	733.2	667.0	647.7	628.4	647.7	667.0	733.2	814.9	906.9
57.5°	778.9	695.5	621.3	561.6	545.7	529.8	545.7	561.6	621.3	695.5	778.9
60°	693.7	617.6	555.2	504.4	488.5	472.6	488.5	504.4	555.2	617.6	693.7
62.5°	610.6	542.3	492.5	451.9	438.8	425.6	438.8	451.9	492.5	542.3	610.6
65°	508.9	452.2	411.3	377.8	366.4	355.1	366.4	377.8	411.3	452.2	508.9
67.5°	420.9	375.0	339.1	310.3	302.8	295.3	302.8	310.3	339.1	375.0	420.9
70°	364.2	325.0	295.5	271.9	266.2	260.6	266.2	271.9	295.5	325.0	364.2
72.5°	309.9	277.1	253.9	235.6	231.7	227.9	231.7	235.6	253.9	277.1	309.9
75°	237.6	214.3	198.4	185.9	183.6	181.4	183.6	185.9	198.4	214.3	237.6
77.5°	175.8	158.6	146.8	137.5	135.7	133.9	135.7	137.5	146.8	158.6	175.8
80°	136.2	123.2	114.1	107.3	107.3	107.3	107.3	107.3	114.1	123.2	136.2
82.5°	97.2	88.7	84.1	80.7	80.7	80.7	80.7	80.7	84.1	88.7	97.2
85°	50.8	45.1	38.3	32.9	31.8	30.7	31.8	32.9	38.3	45.1	50.8
87.5°	13.6	11.9	12.0	11.8	12.4	12.1	12.4	11.8	12.0	11.9	13.6
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	25.7	20.9	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	46.3	40.3	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	84.2	74.4	64.7
97.5°	99.7	112.8	123.7	130.2	134.4	137.2	134.4	130.2	123.7	112.8	99.7
100°	123.1	135.6	148.1	155.8	162.7	165.5	162.7	155.8	148.1	135.6	123.1
102.5°	142.0	158.4	172.1	180.3	186.1	188.9	186.1	180.3	172.1	158.4	142.0
105°	173.2	190.6	205.2	215.6	221.9	224.0	221.9	215.6	205.2	190.6	173.2
107.5°	204.3	222.3	235.8	247.3	255.0	259.4	255.0	247.3	235.8	222.3	204.3
110°	228.8	243.4	258.0	268.5	276.1	278.9	276.1	268.5	258.0	243.4	228.8



TEST NUMBER: P1428394

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	249.4	265.7	280.3	290.7	299.5	303.4	299.5	290.7	280.3	265.7	249.4
115°	278.2	299.8	313.0	322.7	329.0	332.5	329.0	322.7	313.0	299.8	278.2
117.5°	302.1	324.7	339.1	346.6	349.6	352.1	349.6	346.6	339.1	324.7	302.1
120°	317.2	338.0	354.7	364.4	367.9	369.3	367.9	364.4	354.7	338.0	317.2
122.5°	331.1	350.8	366.9	378.9	384.6	386.0	384.6	378.9	366.9	350.8	331.1
125°	350.5	369.3	386.0	397.8	404.1	407.6	404.1	397.8	386.0	369.3	350.5
127.5°	367.5	387.8	403.1	413.8	419.9	422.7	419.9	413.8	403.1	387.8	367.5
130°	377.0	397.8	413.1	425.0	430.5	433.3	430.5	425.0	413.1	397.8	377.0
132.5°	384.2	406.2	422.0	432.7	438.9	441.6	438.9	432.7	422.0	406.2	384.2
135°	393.0	415.9	432.6	443.0	448.6	451.4	448.6	443.0	432.6	415.9	393.0
137.5°	400.6	421.5	438.9	449.9	454.9	456.7	454.9	449.9	438.9	421.5	400.6
140°	406.2	424.3	441.6	452.1	457.6	458.3	457.6	452.1	441.6	424.3	406.2
142.5°	413.4	427.6	442.8	453.2	458.8	460.0	458.8	453.2	442.8	427.6	413.4
145°	426.3	434.7	445.1	454.9	459.7	461.1	459.7	454.9	445.1	434.7	426.3
147.5°	442.6	445.3	450.7	457.1	461.8	462.8	461.8	457.1	445.3	442.6	442.6
150°	454.9	454.2	456.3	460.4	464.6	463.9	464.6	460.4	456.3	454.2	454.9
152.5°	468.8	464.7	464.6	466.5	468.5	468.4	468.5	466.5	464.6	464.7	468.8
155°	492.4	484.8	480.6	479.2	479.2	478.5	479.2	479.2	480.6	484.8	492.4
157.5°	518.4	507.7	501.5	498.1	497.1	495.6	497.1	498.1	501.5	507.7	518.4
160°	536.2	524.4	518.2	512.6	510.5	508.4	510.5	512.6	518.2	524.4	536.2
162.5°	552.9	541.7	534.8	529.8	527.8	524.6	527.8	529.8	534.8	541.7	552.9
165°	580.1	568.2	560.6	556.4	553.6	550.8	553.6	556.4	560.6	568.2	580.1
167.5°	607.2	594.2	589.2	584.5	581.9	576.9	581.9	584.5	589.2	594.2	607.2
170°	623.9	612.0	609.3	605.1	600.2	594.7	600.2	605.1	609.3	612.0	623.9
172.5°	638.3	630.4	627.6	623.5	621.9	617.5	621.9	623.5	627.6	630.4	638.3
175°	659.3	653.1	653.1	652.4	650.3	646.1	650.3	652.4	653.1	653.1	659.3
177.5°	676.9	673.5	675.8	675.8	675.2	671.3	675.2	675.8	675.8	673.5	676.9
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428394

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2682.3	2682.3	2682.3	2682.3
2.5°	2691.2	2694.8	2679.4	2663.9
5°	2690.0	2692.8	2673.5	2654.2
7.5°	2679.1	2680.0	2660.4	2640.9
10°	2669.5	2669.5	2649.1	2628.7
12.5°	2656.6	2655.0	2633.7	2612.3
15°	2627.8	2623.0	2600.3	2577.6
17.5°	2587.1	2582.6	2559.9	2537.2
20°	2557.1	2554.0	2531.3	2508.6
22.5°	2516.9	2516.8	2492.2	2467.7
25°	2443.0	2454.1	2430.3	2406.4
27.5°	2344.6	2373.5	2354.2	2334.9
30°	2267.6	2313.3	2298.5	2283.8
32.5°	2181.8	2242.0	2236.3	2230.7
35°	2042.8	2122.9	2133.1	2143.3
37.5°	1889.0	1979.2	2009.7	2040.1
40°	1781.4	1878.2	1921.3	1964.5
42.5°	1673.1	1772.6	1826.6	1880.7
45°	1511.5	1615.1	1678.6	1742.2
47.5°	1356.8	1460.1	1523.3	1586.4
50°	1252.6	1351.4	1412.7	1474.0
52.5°	1154.5	1249.6	1304.6	1359.5
55°	1009.1	1098.8	1151.0	1203.2
57.5°	871.3	951.9	997.1	1042.3
60°	783.4	860.6	900.3	940.1
62.5°	697.6	771.6	806.8	842.0
65°	581.6	642.6	668.7	694.8
67.5°	477.0	522.7	537.3	551.8
70°	413.0	450.7	455.3	459.8
72.5°	352.4	383.8	381.9	380.1
75°	268.2	289.0	279.9	270.8
77.5°	198.2	211.7	198.1	184.4
80°	153.3	162.6	149.0	135.4
82.5°	109.7	116.3	105.4	94.5
85°	55.3	57.3	51.7	46.0
87.5°	17.5	19.2	16.0	12.7
90°	12.5	7.7	4.9	2.1
92.5°	27.0	18.8	13.2	7.7
95°	54.2	43.1	30.6	21.6
97.5°	86.4	68.4	56.1	41.2
100°	103.6	86.2	74.4	58.4
102.5°	122.5	107.9	91.7	75.7
105°	156.5	138.4	119.6	101.5
107.5°	187.9	168.0	145.5	129.2
110°	208.0	186.4	162.7	148.1



TEST NUMBER: P1428394

CATALOG NUMBER: SQ2W-PW1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	227.4	205.3	181.1	166.5
115°	253.9	229.5	207.3	194.7
117.5°	279.3	254.3	230.8	220.9
120°	294.9	269.9	246.9	239.3
122.5°	307.7	283.2	261.9	258.7
125°	326.9	301.9	283.8	287.9
127.5°	342.5	319.5	308.1	317.4
130°	351.9	331.8	324.8	338.0
132.5°	360.3	344.6	341.5	359.7
135°	372.8	363.8	366.5	391.6
137.5°	387.7	384.2	393.5	425.1
140°	397.1	399.2	412.4	447.9
142.5°	409.9	414.8	431.9	469.6
145°	429.8	440.3	462.5	500.1
147.5°	452.4	465.9	493.4	531.9
150°	467.4	484.8	514.0	550.8
152.5°	484.6	502.6	531.8	569.2
155°	511.2	531.4	562.0	594.0
157.5°	538.3	558.9	588.1	616.1
160°	555.0	577.3	603.7	629.4
162.5°	573.9	594.5	617.6	640.6
165°	601.6	618.3	637.1	656.6
167.5°	624.8	638.8	653.5	668.7
170°	639.9	651.0	663.5	675.3
172.5°	652.7	661.6	670.7	680.9
175°	669.8	674.6	680.2	686.5
177.5°	683.0	684.7	686.3	689.1
180°	688.6	688.6	688.6	688.6



TEST NUMBER: P1428394
 CATALOG NUMBER: SQ2W-PW1-K-050U-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	22.07	23.15	22.79	23.88	24.75	18.32	19.39	19.04	20.13	21.00
	3H	23.39	24.35	24.12	25.09	26.00	19.61	20.57	20.34	21.31	22.21
	4H	23.81	24.71	24.56	25.46	26.38	20.12	21.02	20.87	21.78	22.69
	6H	24.00	24.83	24.76	25.59	26.52	20.44	21.27	21.21	22.03	22.96
	8H	24.05	24.84	24.82	25.62	26.55	20.56	21.35	21.34	22.13	23.06
	12H	24.06	24.81	24.84	25.58	26.54	20.60	21.35	21.38	22.13	23.08
4H	2H	22.23	23.13	22.99	23.89	24.80	19.16	20.06	19.91	20.81	21.73
	3H	23.79	24.54	24.56	25.33	26.26	20.62	21.37	21.39	22.16	23.09
	4H	24.34	25.02	25.13	25.81	26.77	21.21	21.89	21.99	22.68	23.64
	6H	24.67	25.25	25.47	26.06	27.03	21.60	22.19	22.40	23.00	23.97
	8H	24.76	25.31	25.56	26.12	27.10	21.76	22.30	22.56	23.11	24.09
	12H	24.79	25.28	25.61	26.11	27.10	21.81	22.30	22.63	23.13	24.12
8H	4H	24.40	24.94	25.20	25.75	26.73	21.57	22.11	22.37	22.92	23.90
	6H	24.83	25.28	25.66	26.13	27.11	22.07	22.52	22.90	23.37	24.35
	8H	25.00	25.40	25.84	26.25	27.24	22.29	22.69	23.13	23.54	24.53
	12H	25.08	25.44	25.93	26.28	27.33	22.38	22.73	23.22	23.57	24.63
12H	4H	24.36	24.85	25.19	25.69	26.67	21.59	22.08	22.42	22.92	23.90
	6H	24.82	25.22	25.66	26.07	27.07	22.14	22.54	22.99	23.39	24.39
	8H	25.02	25.37	25.86	26.21	27.27	22.40	22.75	23.24	23.59	24.64