

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: P1428198

Luminaire Tested: SQ2W-PR1-K-025U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428198
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-025U-125D-L835-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 250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

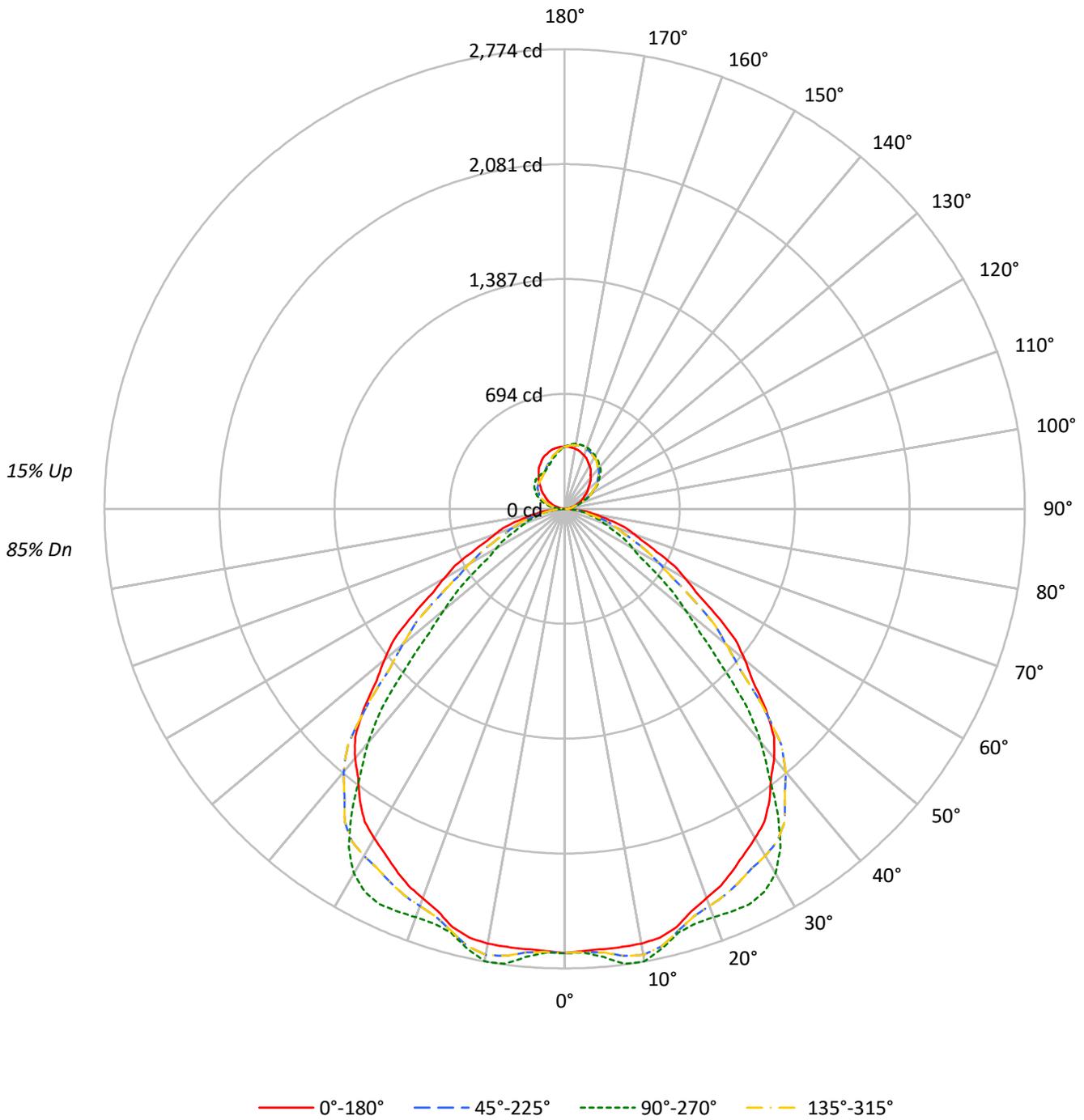
Lumens per Lamp: N/A
Luminaire Lumens: 7547.2 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 56.7
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





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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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	85
1	107	103	99	96	103	99	96	93	92	90	87	86	84	82	80	79	77	74
2	98	91	85	80	94	88	82	78	82	78	74	77	73	70	72	69	67	64
3	90	81	74	68	87	78	72	66	73	68	63	69	64	61	65	61	58	55
4	83	72	65	58	80	70	63	57	66	60	55	62	57	53	58	54	51	48
5	77	65	57	51	74	63	56	50	60	53	48	56	51	46	53	48	45	42
6	71	59	51	45	68	57	50	44	54	48	43	51	45	41	48	43	40	38
7	66	54	46	40	64	52	45	39	49	43	38	47	41	37	44	39	36	34
8	62	49	41	36	59	48	40	35	45	39	34	43	37	33	41	36	32	30
9	58	45	37	32	55	44	37	32	42	35	31	40	34	30	38	33	29	27
10	54	42	34	29	52	41	34	29	39	32	28	37	31	27	35	30	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43288	43288	43288	43288
5°	43231	44029	43231	44029
10°	43687	45479	43687	45479
15°	43673	44267	43673	44267
20°	42966	45080	42966	45080
25°	42846	46934	42846	46934
30°	42799	47386	42799	47386
35°	42394	44119	42394	44119
40°	41417	38825	41417	38825
45°	39189	30704	39189	30704
50°	35627	23822	35627	23822
55°	31310	18542	31310	18542
60°	27092	15267	27092	15267
65°	23388	13364	23388	13364
70°	21030	11868	21030	11868
75°	19263	10911	19263	10911
80°	16773	10674	16773	10674
85°	12152	5057	12152	5057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 42075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	3.4
10°-20°	749.5	9.9
20°-30°	1158.7	15.4
30°-40°	1393.4	18.5
40°-50°	1251.3	16.6
50°-60°	838.4	11.1
60°-70°	487.7	6.5
70°-80°	250.5	3.3
80°-90°	63.4	0.8
90°-100°	29.9	0.4
100°-110°	87.1	1.2
110°-120°	142.1	1.9
120°-130°	180.3	2.4
130°-140°	192.9	2.6
140°-150°	180.2	2.4
150°-160°	148.3	2.0
160°-170°	99.4	1.3
170°-180°	35.3	0.5
0°-30°	2167.1	28.7
0°-40°	3560.5	47.2
0°-60°	5650.2	74.9
0°-90°	6451.8	85.5
90°-120°	259.0	3.4
90°-150°	812.5	10.8
90°-180°	1095.0	14.5
0°-180°	7547.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2681	2681	2681	2681	2681	
5°	2667	2717	2667	2717	2667	255
15°	2613	2648	2613	2648	2613	734
25°	2405	2635	2405	2635	2405	1109
35°	2151	2238	2151	2238	2151	1341
45°	1716	1345	1716	1345	1716	1313
55°	1112	659	1112	659	1112	1000
65°	612	350	612	350	612	619
75°	309	175	309	175	309	328
85°	66	27	66	27	66	81
90°	1	8	1	16	1	3
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	105
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	352	272	251	272	170
155°	324	382	324	261	324	149
165°	358	398	358	300	358	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1
2.5°	2670.2	2684.7	2699.3	2692.8	2679.2	2672.8	2673.8	2675.3	2678.2	2681.1	2678.2
5°	2667.4	2688.1	2708.7	2703.9	2690.5	2685.1	2687.5	2692.3	2704.5	2716.6	2704.5
7.5°	2666.9	2696.3	2725.7	2727.9	2721.1	2721.2	2728.3	2737.6	2753.6	2769.7	2753.6
10°	2664.7	2699.9	2735.2	2740.3	2735.5	2733.6	2734.9	2740.0	2757.0	2774.0	2757.0
12.5°	2651.6	2692.6	2733.7	2729.4	2710.0	2699.4	2697.7	2698.7	2707.9	2717.2	2707.9
15°	2612.8	2661.4	2710.0	2690.2	2647.7	2628.3	2631.9	2636.2	2642.2	2648.3	2642.2
17.5°	2544.5	2595.2	2646.0	2628.3	2587.7	2574.0	2587.1	2599.9	2611.8	2623.7	2611.8
20°	2500.7	2550.5	2600.3	2588.2	2555.4	2547.5	2564.5	2582.4	2603.1	2623.7	2603.1
22.5°	2461.4	2511.2	2561.0	2553.2	2526.2	2524.7	2548.5	2573.4	2601.8	2630.3	2601.8
25°	2405.1	2448.8	2492.5	2493.4	2480.1	2493.4	2533.5	2571.5	2603.1	2634.6	2603.1
27.5°	2346.0	2371.8	2397.5	2414.5	2428.6	2462.8	2516.9	2563.1	2585.2	2607.3	2585.2
30°	2295.7	2312.8	2329.8	2361.3	2397.8	2439.7	2487.1	2524.7	2533.2	2541.7	2533.2
32.5°	2241.1	2251.3	2261.5	2306.0	2361.8	2402.3	2427.3	2443.3	2432.4	2421.5	2432.4
35°	2150.9	2159.4	2167.9	2224.7	2297.6	2324.3	2304.9	2284.5	2261.4	2238.4	2261.4
37.5°	2043.8	2061.3	2078.7	2125.0	2180.9	2180.4	2123.6	2074.3	2047.8	2021.4	2047.8
40°	1965.1	1994.2	2023.4	2054.3	2085.9	2059.2	1974.2	1902.8	1872.4	1842.1	1872.4
42.5°	1868.8	1915.5	1962.1	1969.1	1962.7	1905.4	1797.1	1706.5	1669.3	1632.2	1669.3
45°	1716.3	1779.5	1842.7	1806.5	1737.3	1643.8	1525.9	1427.3	1386.0	1344.7	1386.0
47.5°	1536.5	1601.4	1666.2	1598.1	1485.6	1376.8	1271.6	1183.0	1144.4	1105.8	1144.4
50°	1418.4	1470.7	1522.9	1445.8	1325.5	1216.2	1117.8	1033.4	990.9	948.4	990.9
52.5°	1298.2	1335.8	1373.5	1297.1	1182.7	1076.3	977.9	894.4	855.8	817.2	855.8
55°	1112.3	1131.8	1151.2	1080.5	979.6	882.5	788.9	712.1	685.4	658.7	685.4
57.5°	941.8	954.2	966.6	899.5	806.0	719.5	640.1	575.6	555.9	536.2	555.9
60°	839.0	847.5	856.0	788.0	694.5	616.8	554.8	504.4	488.6	472.8	488.6
62.5°	745.0	751.6	758.1	692.6	602.9	533.4	484.1	444.1	432.2	420.3	432.2
65°	612.2	618.3	624.3	568.5	491.9	434.9	397.2	366.8	358.3	349.8	358.3
67.5°	506.7	509.9	513.0	467.0	404.5	358.5	328.9	304.6	296.6	288.6	296.6
70°	445.5	446.7	447.9	407.2	352.6	311.9	285.1	263.6	257.5	251.4	257.5
72.5°	390.8	389.1	387.4	351.1	303.2	268.4	246.5	229.1	225.0	220.8	225.0
75°	308.8	305.2	301.5	271.5	232.6	205.9	191.3	179.8	177.3	174.9	177.3
77.5°	230.7	226.8	222.9	197.9	165.8	147.3	142.5	138.8	138.8	138.8	138.8
80°	180.4	175.5	170.7	151.2	126.9	114.8	114.8	114.8	114.8	114.8	114.8
82.5°	134.5	127.7	120.9	109.0	95.4	88.6	88.6	88.3	87.3	86.4	87.3
85°	65.6	59.5	53.4	51.9	51.9	48.3	41.0	34.6	31.0	27.3	31.0
87.5°	17.7	18.0	18.4	15.1	10.4	8.1	8.1	8.2	8.2	8.2	8.2
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.9	9.9	9.9
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.2	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.9	35.2	44.7	53.8	49.3	43.6	41.7	40.5	41.7
102.5°	41.2	41.7	45.2	46.8	49.0	54.1	69.9	68.1	66.9	66.6	66.9
105°	55.3	55.7	62.2	65.2	66.7	66.7	66.3	73.9	86.0	88.7	86.0
107.5°	70.4	72.2	79.7	87.8	89.6	90.0	88.1	86.9	86.5	86.8	86.5
110°	80.7	83.4	92.5	102.7	105.4	106.1	105.4	104.2	103.5	103.5	103.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.7	94.6	104.9	116.6	121.1	123.4	121.7	120.9	120.1	120.7	120.1
115°	106.1	111.8	125.4	137.6	146.7	147.8	147.4	147.4	147.0	147.0	147.0
117.5°	120.4	129.5	144.8	158.9	169.4	172.4	173.9	173.5	173.0	173.8	173.0
120°	130.4	141.0	158.4	174.3	184.6	189.1	190.6	189.9	190.6	189.9	190.6
122.5°	141.0	154.0	171.1	187.7	199.7	204.9	206.7	206.8	207.0	206.5	207.0
125°	156.9	172.8	192.9	209.9	222.5	228.5	230.0	230.4	231.2	233.1	231.2
127.5°	173.0	191.0	213.1	229.5	242.3	249.7	252.0	252.8	254.4	255.3	254.4
130°	184.2	204.6	227.0	242.5	255.0	263.0	267.2	268.3	270.2	269.8	270.2
132.5°	196.0	217.4	240.0	256.2	267.8	276.3	279.9	283.2	283.8	284.4	283.8
135°	213.4	236.5	259.2	275.1	286.1	294.5	299.0	302.0	303.9	305.1	303.9
137.5°	231.6	256.0	277.9	292.0	303.1	310.3	315.5	318.6	320.6	321.5	320.6
140°	244.1	267.6	288.8	303.6	313.4	320.6	325.2	328.9	331.2	331.2	331.2
142.5°	255.9	279.1	299.7	314.5	323.1	329.7	334.6	337.4	340.0	340.0	340.0
145°	272.5	295.6	314.5	329.3	336.5	342.6	347.9	350.2	351.7	351.7	351.7
147.5°	289.8	310.3	327.6	341.8	347.8	354.9	359.1	360.9	362.8	362.0	362.8
150°	300.1	319.1	335.8	349.0	355.1	361.9	366.1	367.6	369.5	368.4	369.5
152.5°	310.1	328.2	343.3	355.7	360.9	367.7	372.5	374.0	375.3	374.4	375.3
155°	323.6	339.6	353.6	364.9	369.5	375.9	380.5	382.4	383.9	382.0	383.9
157.5°	335.7	349.4	361.6	372.1	376.9	382.5	386.7	389.1	390.6	389.7	390.6
160°	343.0	355.5	366.5	376.3	380.9	385.8	390.3	393.0	394.5	393.4	394.5
162.5°	349.0	360.3	370.7	379.7	383.6	387.9	393.4	395.7	397.2	395.8	397.2
165°	357.7	366.8	375.9	383.5	386.9	390.3	396.0	398.7	399.8	398.3	399.8
167.5°	364.3	371.3	378.7	385.2	387.7	391.0	396.7	398.9	400.3	398.4	400.3
170°	368.0	374.0	380.5	385.8	387.7	390.7	396.4	398.3	399.4	397.5	399.4
172.5°	371.0	375.6	380.8	385.5	386.5	388.9	394.3	396.2	397.0	395.4	397.0
175°	374.0	376.7	380.5	383.5	383.1	384.7	389.2	390.7	392.2	390.0	392.2
177.5°	375.5	376.7	377.9	379.7	378.5	378.5	381.9	382.8	383.1	381.9	383.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1
2.5°	2675.3	2673.8	2672.8	2679.2	2692.8	2699.3	2684.7	2670.2	2684.7	2699.3	2692.8
5°	2692.3	2687.5	2685.1	2690.5	2703.9	2708.7	2688.1	2667.4	2688.1	2708.7	2703.9
7.5°	2737.6	2728.3	2721.2	2721.1	2727.9	2725.7	2696.3	2666.9	2696.3	2725.7	2727.9
10°	2740.0	2734.9	2733.6	2735.5	2740.3	2735.2	2699.9	2664.7	2699.9	2735.2	2740.3
12.5°	2698.7	2697.7	2699.4	2710.0	2729.4	2733.7	2692.6	2651.6	2692.6	2733.7	2729.4
15°	2636.2	2631.9	2628.3	2647.7	2690.2	2710.0	2661.4	2612.8	2661.4	2710.0	2690.2
17.5°	2599.9	2587.1	2574.0	2587.7	2628.3	2646.0	2595.2	2544.5	2595.2	2646.0	2628.3
20°	2582.4	2564.5	2547.5	2555.4	2588.2	2600.3	2550.5	2500.7	2550.5	2600.3	2588.2
22.5°	2573.4	2548.5	2524.7	2526.2	2553.2	2561.0	2511.2	2461.4	2511.2	2561.0	2553.2
25°	2571.5	2533.5	2493.4	2480.1	2493.4	2492.5	2448.8	2405.1	2448.8	2492.5	2493.4
27.5°	2563.1	2516.9	2462.8	2428.6	2414.5	2397.5	2371.8	2346.0	2371.8	2397.5	2414.5
30°	2524.7	2487.1	2439.7	2397.8	2361.3	2329.8	2312.8	2295.7	2312.8	2329.8	2361.3
32.5°	2443.3	2427.3	2402.3	2361.8	2306.0	2261.5	2251.3	2241.1	2251.3	2261.5	2306.0
35°	2284.5	2304.9	2324.3	2297.6	2224.7	2167.9	2159.4	2150.9	2159.4	2167.9	2224.7
37.5°	2074.3	2123.6	2180.4	2180.9	2125.0	2078.7	2061.3	2043.8	2061.3	2078.7	2125.0
40°	1902.8	1974.2	2059.2	2085.9	2054.3	2023.4	1994.2	1965.1	1994.2	2023.4	2054.3
42.5°	1706.5	1797.1	1905.4	1962.7	1969.1	1962.1	1915.5	1868.8	1915.5	1962.1	1969.1
45°	1427.3	1525.9	1643.8	1737.3	1806.5	1842.7	1779.5	1716.3	1779.5	1842.7	1806.5
47.5°	1183.0	1271.6	1376.8	1485.6	1598.1	1666.2	1601.4	1536.5	1601.4	1666.2	1598.1
50°	1033.4	1117.8	1216.2	1325.5	1445.8	1522.9	1470.7	1418.4	1470.7	1522.9	1445.8
52.5°	894.4	977.9	1076.3	1182.7	1297.1	1373.5	1335.8	1298.2	1335.8	1373.5	1297.1
55°	712.1	788.9	882.5	979.6	1080.5	1151.2	1131.8	1112.3	1131.8	1151.2	1080.5
57.5°	575.6	640.1	719.5	806.0	899.5	966.6	954.2	941.8	954.2	966.6	899.5
60°	504.4	554.8	616.8	694.5	788.0	856.0	847.5	839.0	847.5	856.0	788.0
62.5°	444.1	484.1	533.4	602.9	692.6	758.1	751.6	745.0	751.6	758.1	692.6
65°	366.8	397.2	434.9	491.9	568.5	624.3	618.3	612.2	618.3	624.3	568.5
67.5°	304.6	328.9	358.5	404.5	467.0	513.0	509.9	506.7	509.9	513.0	467.0
70°	263.6	285.1	311.9	352.6	407.2	447.9	446.7	445.5	446.7	447.9	407.2
72.5°	229.1	246.5	268.4	303.2	351.1	387.4	389.1	390.8	389.1	387.4	351.1
75°	179.8	191.3	205.9	232.6	271.5	301.5	305.2	308.8	305.2	301.5	271.5
77.5°	138.8	142.5	147.3	165.8	197.9	222.9	226.8	230.7	226.8	222.9	197.9
80°	114.8	114.8	114.8	126.9	151.2	170.7	175.5	180.4	175.5	170.7	151.2
82.5°	88.3	88.6	88.6	95.4	109.0	120.9	127.7	134.5	127.7	120.9	109.0
85°	34.6	41.0	48.3	51.9	51.9	53.4	59.5	65.6	59.5	53.4	51.9
87.5°	8.2	8.1	8.1	10.4	15.1	18.4	18.0	17.7	18.0	18.3	15.2
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.6
97.5°	23.6	28.0	34.4	35.6	33.7	25.2	24.1	22.4	30.5	37.3	47.1
100°	43.6	49.3	53.8	44.7	35.2	34.9	32.6	31.8	40.5	47.0	56.5
102.5°	68.1	69.9	54.1	49.0	46.8	45.2	41.7	41.2	49.9	58.8	66.8
105°	73.9	66.3	66.7	66.7	65.2	62.2	55.7	55.3	65.2	75.4	85.3
107.5°	86.9	88.1	90.0	89.6	87.8	79.7	72.2	70.4	79.3	91.6	102.4
110°	104.2	105.4	106.1	105.4	102.7	92.5	83.4	80.7	88.7	101.6	113.3



TEST NUMBER: P1428198

CATALOG NUMBER: SQ2W-PR1-K-025U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.9	121.7	123.4	121.1	116.6	104.9	94.6	90.7	98.7	111.9	123.9
115°	147.4	147.4	147.8	146.7	137.6	125.4	111.8	106.1	112.9	125.1	138.3
117.5°	173.5	173.9	172.4	169.4	158.9	144.8	129.5	120.4	125.7	138.6	152.2
120°	189.9	190.6	189.1	184.6	174.3	158.4	141.0	130.4	134.5	147.0	160.7
122.5°	206.8	206.7	204.9	199.7	187.7	171.1	154.0	141.0	142.7	154.3	167.7
125°	230.4	230.0	228.5	222.5	209.9	192.9	172.8	156.9	154.6	164.5	178.1
127.5°	252.8	252.0	249.7	242.3	229.5	213.1	191.0	173.0	167.9	174.1	186.6
130°	268.3	267.2	263.0	255.0	242.5	227.0	204.6	184.2	177.0	180.8	191.8
132.5°	283.2	279.9	276.3	267.8	256.2	240.0	217.4	196.0	186.1	187.7	196.3
135°	302.0	299.0	294.5	286.1	275.1	259.2	236.5	213.4	199.7	198.2	203.1
137.5°	318.6	315.5	310.3	303.1	292.0	277.9	256.0	231.6	214.4	209.3	211.2
140°	328.9	325.2	320.6	313.4	303.6	288.8	267.6	244.1	224.7	217.5	216.4
142.5°	337.4	334.6	329.7	323.1	314.5	299.7	279.1	255.9	235.3	226.0	223.4
145°	350.2	347.9	342.6	336.5	329.3	314.5	295.6	272.5	252.0	239.9	234.2
147.5°	360.9	359.1	354.9	347.8	341.8	327.6	310.3	289.8	268.8	253.8	246.5
150°	367.6	366.1	361.9	355.1	349.0	335.8	319.1	300.1	280.1	264.1	254.7
152.5°	374.0	372.5	367.7	360.9	355.7	343.3	328.2	310.1	289.8	273.8	264.1
155°	382.4	380.5	375.9	369.5	364.9	353.6	339.6	323.6	306.2	289.5	278.5
157.5°	389.1	386.7	382.5	376.9	372.1	361.6	349.4	335.7	320.5	304.5	293.3
160°	393.0	390.3	385.8	380.9	376.3	366.5	355.5	343.0	328.9	314.5	302.4
162.5°	395.7	393.4	387.9	383.6	379.7	370.7	360.3	349.0	336.5	323.9	312.7
165°	398.7	396.0	390.3	386.9	383.5	375.9	366.8	357.7	347.1	336.9	327.8
167.5°	398.9	396.7	391.0	387.7	385.2	378.7	371.3	364.3	356.1	348.0	340.5
170°	398.3	396.4	390.7	387.7	385.8	380.5	374.0	368.0	361.5	354.7	348.7
172.5°	396.2	394.3	388.9	386.5	385.5	380.8	375.6	371.0	365.5	360.5	355.6
175°	390.7	389.2	384.7	383.1	383.5	380.5	376.7	374.0	370.6	367.6	364.9
177.5°	382.8	381.9	378.5	378.5	379.7	377.9	376.7	375.5	374.0	373.1	372.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428198

CATALOG NUMBER: SQ2W-PR1-K-025U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1
2.5°	2679.2	2672.8	2673.8	2675.3	2678.2	2681.1	2678.2	2675.3	2673.8	2672.8	2679.2
5°	2690.5	2685.1	2687.5	2692.3	2704.5	2716.6	2704.5	2692.3	2687.5	2685.1	2690.5
7.5°	2721.1	2721.2	2728.3	2737.6	2753.6	2769.7	2753.6	2737.6	2728.3	2721.2	2721.1
10°	2735.5	2733.6	2734.9	2740.0	2757.0	2774.0	2757.0	2740.0	2734.9	2733.6	2735.5
12.5°	2710.0	2699.4	2697.7	2698.7	2707.9	2717.2	2707.9	2698.7	2697.7	2699.4	2710.0
15°	2647.7	2628.3	2631.9	2636.2	2642.2	2648.3	2642.2	2636.2	2631.9	2628.3	2647.7
17.5°	2587.7	2574.0	2587.1	2599.9	2611.8	2623.7	2611.8	2599.9	2587.1	2574.0	2587.7
20°	2555.4	2547.5	2564.5	2582.4	2603.1	2623.7	2603.1	2582.4	2564.5	2547.5	2555.4
22.5°	2526.2	2524.7	2548.5	2573.4	2601.8	2630.3	2601.8	2573.4	2548.5	2524.7	2526.2
25°	2480.1	2493.4	2533.5	2571.5	2603.1	2634.6	2603.1	2571.5	2533.5	2493.4	2480.1
27.5°	2428.6	2462.8	2516.9	2563.1	2585.2	2607.3	2585.2	2563.1	2516.9	2462.8	2428.6
30°	2397.8	2439.7	2487.1	2524.7	2533.2	2541.7	2533.2	2524.7	2487.1	2439.7	2397.8
32.5°	2361.8	2402.3	2427.3	2443.3	2432.4	2421.5	2432.4	2443.3	2427.3	2402.3	2361.8
35°	2297.6	2324.3	2304.9	2284.5	2261.4	2238.4	2261.4	2284.5	2304.9	2324.3	2297.6
37.5°	2180.9	2180.4	2123.6	2074.3	2047.8	2021.4	2047.8	2074.3	2123.6	2180.4	2180.9
40°	2085.9	2059.2	1974.2	1902.8	1872.4	1842.1	1872.4	1902.8	1974.2	2059.2	2085.9
42.5°	1962.7	1905.4	1797.1	1706.5	1669.3	1632.2	1669.3	1706.5	1797.1	1905.4	1962.7
45°	1737.3	1643.8	1525.9	1427.3	1386.0	1344.7	1386.0	1427.3	1525.9	1643.8	1737.3
47.5°	1485.6	1376.8	1271.6	1183.0	1144.4	1105.8	1144.4	1183.0	1271.6	1376.8	1485.6
50°	1325.5	1216.2	1117.8	1033.4	990.9	948.4	990.9	1033.4	1117.8	1216.2	1325.5
52.5°	1182.7	1076.3	977.9	894.4	855.8	817.2	855.8	894.4	977.9	1076.3	1182.7
55°	979.6	882.5	788.9	712.1	685.4	658.7	685.4	712.1	788.9	882.5	979.6
57.5°	806.0	719.5	640.1	575.6	555.9	536.2	555.9	575.6	640.1	719.5	806.0
60°	694.5	616.8	554.8	504.4	488.6	472.8	488.6	504.4	554.8	616.8	694.5
62.5°	602.9	533.4	484.1	444.1	432.2	420.3	432.2	444.1	484.1	533.4	602.9
65°	491.9	434.9	397.2	366.8	358.3	349.8	358.3	366.8	397.2	434.9	491.9
67.5°	404.5	358.5	328.9	304.6	296.6	288.6	296.6	304.6	328.9	358.5	404.5
70°	352.6	311.9	285.1	263.6	257.5	251.4	257.5	263.6	285.1	311.9	352.6
72.5°	303.2	268.4	246.5	229.1	225.0	220.8	225.0	229.1	246.5	268.4	303.2
75°	232.6	205.9	191.3	179.8	177.3	174.9	177.3	179.8	191.3	205.9	232.6
77.5°	165.8	147.3	142.5	138.8	138.8	138.8	138.8	138.8	142.5	147.3	165.8
80°	126.9	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	126.9
82.5°	95.4	88.6	88.6	88.3	87.3	86.4	87.3	88.3	88.6	88.6	95.4
85°	51.9	48.3	41.0	34.6	31.0	27.3	31.0	34.6	41.0	48.3	51.9
87.5°	10.7	8.8	9.4	9.7	10.0	9.8	10.0	9.7	9.4	8.8	10.7
90°	8.7	11.4	14.0	15.5	17.1	16.3	17.1	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	28.0	29.2	29.0	29.2	28.0	25.2	22.0	17.5
95°	35.2	40.5	45.9	49.6	51.9	51.2	51.9	49.6	45.9	40.5	35.2
97.5°	54.3	61.5	67.4	70.9	73.2	74.7	73.2	70.9	67.4	61.5	54.3
100°	67.1	73.9	80.7	84.9	88.7	90.2	88.7	84.9	80.7	73.9	67.1
102.5°	77.4	86.3	93.8	98.2	101.4	102.9	101.4	98.2	93.8	86.3	77.4
105°	94.4	103.8	111.8	117.5	120.9	122.0	120.9	117.5	111.8	103.8	94.4
107.5°	111.3	121.1	128.5	134.8	138.9	141.4	138.9	134.8	128.5	121.1	111.3
110°	124.7	132.6	140.6	146.3	150.5	152.0	150.5	146.3	140.6	132.6	124.7



TEST NUMBER: P1428198

CATALOG NUMBER: SQ2W-PR1-K-025U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.9	144.8	152.7	158.4	163.2	165.3	163.2	158.4	152.7	144.8	135.9
115°	151.6	163.3	170.5	175.8	179.3	181.1	179.3	175.8	170.5	163.3	151.6
117.5°	164.6	176.9	184.8	188.9	190.5	191.8	190.5	188.9	184.8	176.9	164.6
120°	172.8	184.2	193.3	198.6	200.5	201.2	200.5	198.6	193.3	184.2	172.8
122.5°	180.4	191.2	199.9	206.5	209.6	210.3	209.6	206.5	199.9	191.2	180.4
125°	191.0	201.2	210.3	216.8	220.2	222.1	220.2	216.8	210.3	201.2	191.0
127.5°	200.2	211.3	219.7	225.5	228.8	230.3	228.8	225.5	219.7	211.3	200.2
130°	205.4	216.8	225.1	231.6	234.6	236.1	234.6	231.6	225.1	216.8	205.4
132.5°	209.3	221.3	230.0	235.8	239.1	240.6	239.1	235.8	230.0	221.3	209.3
135°	214.1	226.6	235.7	241.4	244.4	246.0	244.4	241.4	235.7	226.6	214.1
137.5°	218.3	229.7	239.1	245.1	247.8	248.8	247.8	245.1	239.1	229.7	218.3
140°	221.3	231.2	240.6	246.3	249.4	249.7	249.4	246.3	240.6	231.2	221.3
142.5°	225.3	233.0	241.3	246.9	250.0	250.7	250.0	246.9	241.3	233.0	225.3
145°	232.3	236.9	242.5	247.8	250.5	251.3	250.5	247.8	242.5	236.9	232.3
147.5°	241.2	242.6	245.6	249.1	251.6	252.2	251.6	249.1	245.6	242.6	241.2
150°	247.8	247.5	248.6	250.9	253.2	252.8	253.2	250.9	248.6	247.5	247.8
152.5°	255.4	253.2	253.2	254.2	255.3	255.2	255.3	254.2	253.2	253.2	255.4
155°	268.3	264.1	261.9	261.1	261.1	260.7	261.1	261.1	261.9	264.1	268.3
157.5°	282.5	276.6	273.2	271.4	270.9	270.1	270.9	271.4	273.2	276.6	282.5
160°	292.2	285.7	282.3	279.3	278.2	277.0	278.2	279.3	282.3	285.7	292.2
162.5°	301.3	295.1	291.4	288.7	287.6	285.8	287.6	288.7	291.4	295.1	301.3
165°	316.1	309.6	305.4	303.2	301.7	300.1	301.7	303.2	305.4	309.6	316.1
167.5°	330.8	323.8	321.1	318.5	317.0	314.3	317.0	318.5	321.1	323.8	330.8
170°	339.9	333.5	332.0	329.7	327.1	324.0	327.1	329.7	332.0	333.5	339.9
172.5°	347.8	343.5	342.0	339.7	338.9	336.4	338.9	339.7	342.0	343.5	347.8
175°	359.3	355.9	355.9	355.5	354.3	352.1	354.3	355.5	355.9	355.9	359.3
177.5°	368.8	367.0	368.2	368.2	367.9	365.8	367.9	368.2	368.2	367.0	368.8
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428198

CATALOG NUMBER: SQ2W-PR1-K-025U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2681.1	2681.1	2681.1	2681.1
2.5°	2692.8	2699.3	2684.7	2670.2
5°	2703.9	2708.7	2688.1	2667.4
7.5°	2727.9	2725.7	2696.3	2666.9
10°	2740.3	2735.2	2699.9	2664.7
12.5°	2729.4	2733.7	2692.6	2651.6
15°	2690.2	2710.0	2661.4	2612.8
17.5°	2628.3	2646.0	2595.2	2544.5
20°	2588.2	2600.3	2550.5	2500.7
22.5°	2553.2	2561.0	2511.2	2461.4
25°	2493.4	2492.5	2448.8	2405.1
27.5°	2414.5	2397.5	2371.8	2346.0
30°	2361.3	2329.8	2312.8	2295.7
32.5°	2306.0	2261.5	2251.3	2241.1
35°	2224.7	2167.9	2159.4	2150.9
37.5°	2125.0	2078.7	2061.3	2043.8
40°	2054.3	2023.4	1994.2	1965.1
42.5°	1969.1	1962.1	1915.5	1868.8
45°	1806.5	1842.7	1779.5	1716.3
47.5°	1598.1	1666.2	1601.4	1536.5
50°	1445.8	1522.9	1470.7	1418.4
52.5°	1297.1	1373.5	1335.8	1298.2
55°	1080.5	1151.2	1131.8	1112.3
57.5°	899.5	966.6	954.2	941.8
60°	788.0	856.0	847.5	839.0
62.5°	692.6	758.1	751.6	745.0
65°	568.5	624.3	618.3	612.2
67.5°	467.0	513.0	509.9	506.7
70°	407.2	447.9	446.7	445.5
72.5°	351.1	387.4	389.1	390.8
75°	271.5	301.5	305.2	308.8
77.5°	197.9	222.9	226.8	230.7
80°	151.2	170.7	175.5	180.4
82.5°	109.0	120.9	127.7	134.5
85°	51.9	53.4	59.5	65.6
87.5°	15.2	18.3	18.0	17.7
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.6	23.5	16.7	11.7
97.5°	47.1	37.3	30.5	22.4
100°	56.5	47.0	40.5	31.8
102.5°	66.8	58.8	49.9	41.2
105°	85.3	75.4	65.2	55.3
107.5°	102.4	91.6	79.3	70.4
110°	113.3	101.6	88.7	80.7



TEST NUMBER: P1428198

CATALOG NUMBER: SQ2W-PR1-K-025U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.9	111.9	98.7	90.7
115°	138.3	125.1	112.9	106.1
117.5°	152.2	138.6	125.7	120.4
120°	160.7	147.0	134.5	130.4
122.5°	167.7	154.3	142.7	141.0
125°	178.1	164.5	154.6	156.9
127.5°	186.6	174.1	167.9	173.0
130°	191.8	180.8	177.0	184.2
132.5°	196.3	187.7	186.1	196.0
135°	203.1	198.2	199.7	213.4
137.5°	211.2	209.3	214.4	231.6
140°	216.4	217.5	224.7	244.1
142.5°	223.4	226.0	235.3	255.9
145°	234.2	239.9	252.0	272.5
147.5°	246.5	253.8	268.8	289.8
150°	254.7	264.1	280.1	300.1
152.5°	264.1	273.8	289.8	310.1
155°	278.5	289.5	306.2	323.6
157.5°	293.3	304.5	320.5	335.7
160°	302.4	314.5	328.9	343.0
162.5°	312.7	323.9	336.5	349.0
165°	327.8	336.9	347.1	357.7
167.5°	340.5	348.0	356.1	364.3
170°	348.7	354.7	361.5	368.0
172.5°	355.6	360.5	365.5	371.0
175°	364.9	367.6	370.6	374.0
177.5°	372.1	373.1	374.0	375.5
180°	375.2	375.2	375.2	375.2



TEST NUMBER: P1428198
 CATALOG NUMBER: SQ2W-PR1-K-025U-125D-L835-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	22.63	23.85	23.22	24.44	25.09	19.00	20.22	19.59	20.81	21.46
	3H	23.87	24.96	24.47	25.55	26.25	20.19	21.28	20.79	21.88	22.57
	4H	24.37	25.39	24.99	26.00	26.71	20.67	21.69	21.29	22.30	23.01
	6H	24.68	25.62	25.32	26.25	26.97	21.03	21.97	21.66	22.59	23.32
	8H	24.80	25.69	25.44	26.33	27.06	21.18	22.07	21.82	22.71	23.44
	12H	24.85	25.70	25.50	26.34	27.09	21.22	22.07	21.87	22.71	23.46
4H	2H	22.78	23.80	23.40	24.41	25.12	19.76	20.78	20.38	21.39	22.10
	3H	24.27	25.12	24.91	25.77	26.50	21.14	21.99	21.78	22.64	23.37
	4H	24.91	25.68	25.57	26.33	27.09	21.70	22.46	22.36	23.12	23.88
	6H	25.36	26.02	26.04	26.70	27.48	22.15	22.81	22.83	23.49	24.27
	8H	25.53	26.14	26.21	26.82	27.61	22.34	22.96	23.02	23.64	24.42
	12H	25.61	26.16	26.31	26.87	27.65	22.41	22.96	23.10	23.66	24.45
8H	4H	24.96	25.58	25.64	26.26	27.04	22.05	22.67	22.73	23.35	24.13
	6H	25.51	26.02	26.22	26.74	27.53	22.61	23.11	23.32	23.84	24.63
	8H	25.74	26.20	26.47	26.93	27.73	22.87	23.32	23.59	24.05	24.85
	12H	25.88	26.28	26.60	26.99	27.86	22.98	23.38	23.70	24.09	24.96
12H	4H	24.94	25.49	25.64	26.20	26.98	22.09	22.64	22.79	23.35	24.13
	6H	25.50	25.95	26.22	26.68	27.48	22.68	23.13	23.40	23.86	24.66
	8H	25.76	26.17	26.49	26.88	27.75	22.98	23.38	23.70	24.10	24.97