

**LUMINAIRE:** CRW4-LSCS  
CRW Round Wrap 4ft

TEST #CRW4-LSCS (4000K,40W)  
DATE: 2/25/2020

**BALLAST:**  
**BALLAST FACTOR:** 1.00  
**LAMP:**  
**FIXTURE LUMENS:** 5880  
**WATTS:** 39.4259  
**SHIELDING ANGLE:** N/A  
**SPACING CRITERION:** 0° = 1.27 90° = 1.20  
**LUMINOUS OPENING IN FEET**  
LENGTH: 3.83  
WIDTH: 0.81  
HEIGHT: 0.00

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 149**

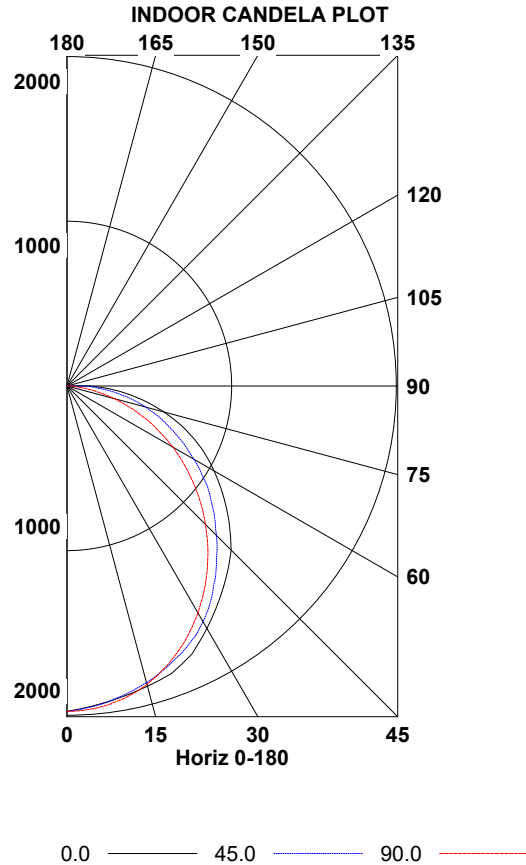
**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.59**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1515	25.8	25.8
0-40	2474	42.1	42.1
0-60	4390	74.7	74.7
0-90	5868	99.8	99.8
90-120	13	0.2	0.2
90-130	13	0.2	0.2
90-150	13	0.2	0.2
90-180	13	0.2	0.2
0-180	5880	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	6854	6854	6854	6854	6854
30	6803	6757	6613	6347	6373
40	6821	6687	6394	6111	6031
45	6918	6726	6296	5985	5837
50	6928	6749	6241	5822	5628
55	6999	6766	6240	5608	5401
60	7151	6855	6171	5405	5145
65	7423	7052	6191	5246	4850
70	7741	7336	6343	5145	4484
75	8143	7709	6649	5054	4021
80	9026	8487	7176	5264	3401
85	11786	10968	9001	6301	2581



**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
	RW	80%				70%				50%				30%				10%		0%
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81		
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	76	73	69	67		
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56		
R	4	81	68	59	52	79	67	58	52	64	57	51	62	56	60	54	50	47		
C	5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	41		
R	6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	36		
	7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	31		
	8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	28		
	9	55	42	33	28	54	41	33	28	40	32	27	39	32	27	38	32	25		
	10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	23		

RCR = ROOM CAVITY RATIO    RC = EFFECTIVE CEILING CAVITY REFLECTANCE    RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.  
ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.  
THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: \_\_\_\_\_

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**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	1976*	1976	1976	1976	1976
2.5	1961	1962	1964	1968	1973
5.0	1946	1947	1950	1955	1965
7.5	1932	1931	1932	1937	1951
10.0	1917	1915	1912	1915	1931
12.5	1902	1897	1889	1888	1906
15.0	1887	1880	1864	1857	1875
17.5	1872	1861	1836	1821	1839
20.0	1857	1842	1806	1780	1798
22.5	1826	1816	1773	1736	1752
25.0	1795	1780	1738	1688	1702
27.5	1747	1739	1701	1638	1648
30.0	1699	1687	1651	1585	1591
32.5	1650	1635	1600	1529	1530
35.0	1602	1582	1540	1471	1466
37.5	1554	1529	1477	1411	1400
40.0	1506	1477	1412	1350	1332
42.5	1458	1424	1348	1287	1261
45.0	1410	1371	1283	1220	1190
47.5	1347	1317	1220	1149	1117
50.0	1284	1251	1156	1079	1043
52.5	1221	1185	1094	1004	969
55.0	1157	1119	1032	927	893
57.5	1094	1053	960	852	818
60.0	1031	988	890	779	742
62.5	968	924	821	708	666
65.0	904	859	754	639	591
67.5	834	793	689	573	516
70.0	763	723	625	507	442
72.5	685	651	562	440	370
75.0	608	575	496	377	300
77.5	530	500	428	318	233
80.0	452	425	359	263	170
82.5	374	350	292	210	112
85.0	296	276	226	158	65
87.5	218	201	161	110	39
90.0	140	127	96	63	36
92.5	0	0	0	0	0
95.0	0	0	0	0	0
97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0
132.5	0	0	0	0	0
135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE