

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

TEST #CRW4-LSCS (4000K,34W)  
DATE: 2/25/2020

**BALLAST:**  
BALLAST FACTOR: 1.00  
**LAMP:**  
FIXTURE LUMENS: 5213  
WATTS: 33.3636  
SHIELDING ANGLE: N/A  
SPACING CRITERION: 0° = 1.30 90° = 1.20  
LUMINOUS OPENING IN FEET  
LENGTH: 3.83  
WIDTH: 0.81  
HEIGHT: 0.00

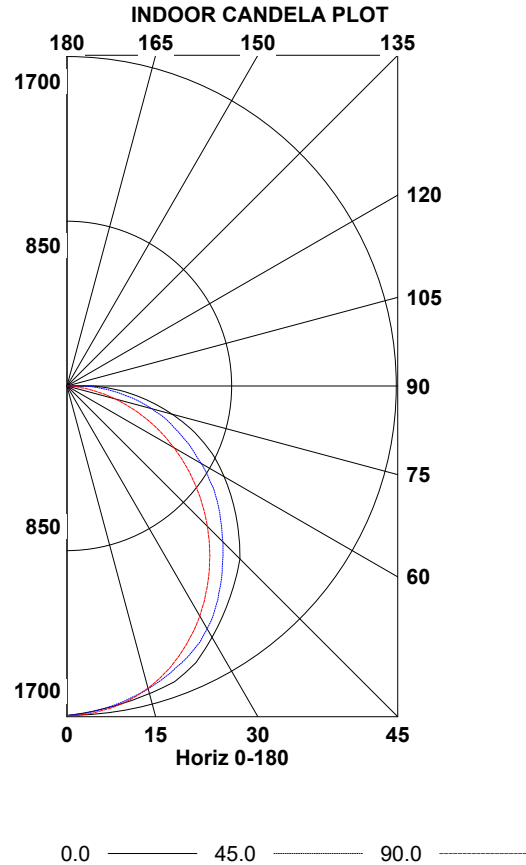
**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 156**  
**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.52**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1317	25.3	25.3
0-40	2159	41.4	41.4
0-60	3858	74.0	74.0
0-90	5201	99.8	99.8
90-120	12	0.2	0.2
90-130	12	0.2	0.2
90-150	12	0.2	0.2
90-180	12	0.2	0.2
0-180	5213	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	5901	5901	5901	5901	5901
30	5996	5945	5794	5520	5490
40	6070	5938	5642	5338	5195
45	6191	6006	5579	5241	5028
50	6224	6055	5557	5115	4849
55	6318	6096	5588	4942	4652
60	6494	6211	5550	4782	4430
65	6790	6435	5597	4668	4173
70	7123	6739	5778	4610	3860
75	7522	7111	6103	4560	3453
80	8391	7867	6615	4801	2920
85	11101	10271	8366	5777	2192



**COEFFICIENTS OF UTILIZATION (%)**

RC	RW	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
		80%					70%					50%					30%		10%		0%
		70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81			
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66			
3	88	77	68	62	86	75	67	61	72	65	60	69	64	59	67	62	58	55			
R	4	81	68	59	52	78	67	58	51	64	57	62	55	50	59	54	49	47			
C	5	74	61	51	44	72	59	51	44	57	50	44	55	48	43	53	47	40			
R	6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	35			
	7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	31			
	8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	28			
	9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	25			
	10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	22			

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: \_\_\_\_\_

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

TEST #CRW4-LSCS (4000K,34W)  
DATE: 2/25/2020

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	1701*	1701	1701	1701	1701
2.5	1692	1692	1693	1695	1699
5.0	1682	1682	1683	1685	1691
7.5	1672	1671	1670	1671	1679
10.0	1663	1660	1655	1654	1663
12.5	1653	1648	1637	1632	1641
15.0	1643	1635	1618	1606	1615
17.5	1634	1622	1596	1576	1584
20.0	1624	1608	1572	1542	1549
22.5	1600	1589	1546	1505	1509
25.0	1575	1560	1518	1466	1466
27.5	1536	1527	1488	1423	1420
30.0	1497	1484	1447	1378	1371
32.5	1458	1441	1404	1331	1318
35.0	1419	1398	1354	1282	1263
37.5	1380	1355	1300	1231	1206
40.0	1340	1311	1246	1179	1147
42.5	1301	1268	1192	1126	1087
45.0	1262	1224	1137	1068	1025
47.5	1208	1180	1083	1008	962
50.0	1153	1122	1030	948	899
52.5	1099	1065	977	883	834
55.0	1045	1008	924	817	769
57.5	990	951	861	753	704
60.0	936	895	800	689	639
62.5	882	840	740	628	574
65.0	827	784	682	569	508
67.5	765	727	625	512	444
70.0	702	664	570	455	381
72.5	632	599	514	396	318
75.0	561	531	455	340	258
77.5	491	462	393	289	200
80.0	420	394	331	240	146
82.5	349	326	270	192	96
85.0	279	258	210	145	55
87.5	208	190	151	101	33
90.0	138	123	92	58	31
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