

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

TEST #CRW4-LSCS (4000K,28W)  
DATE: 2/25/2020

**BALLAST:**  
BALLAST FACTOR: 1.00  
**LAMP:**  
FIXTURE LUMENS: 4142  
WATTS: 25.955  
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

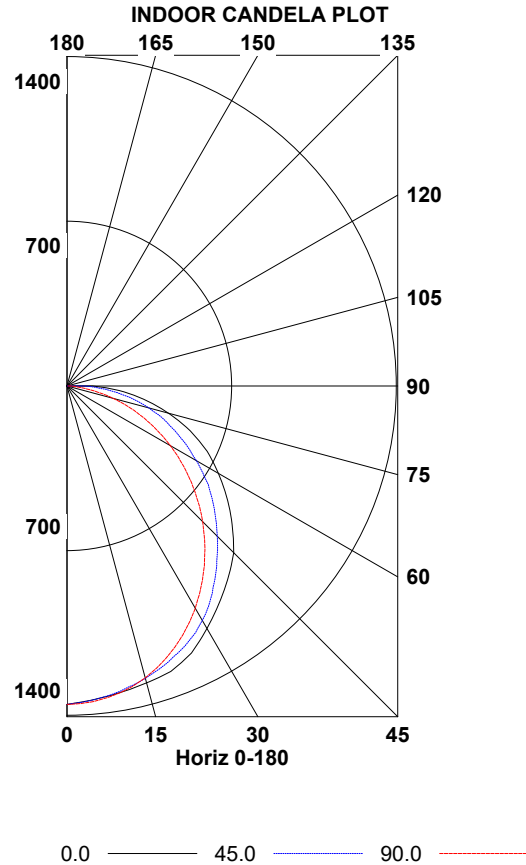
**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 160**  
**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.51**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1047	25.3	25.3
0-40	1716	41.4	41.4
0-60	3066	74.0	74.0
0-90	4132	99.8	99.8
90-120	10	0.2	0.2
90-130	10	0.2	0.2
90-150	10	0.2	0.2
90-180	10	0.2	0.2
0-180	4142	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	4692	4692	4692	4692	4692
30	4765	4724	4605	4387	4365
40	4822	4717	4482	4242	4130
45	4918	4770	4432	4164	3998
50	4944	4809	4414	4062	3855
55	5018	4841	4438	3926	3697
60	5157	4931	4408	3799	3522
65	5392	5110	4444	3708	3319
70	5656	5351	4588	3663	3068
75	5972	5646	4845	3622	2745
80	6663	6247	5253	3816	2321
85	8817	8159	6647	4591	1741



**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	70	64	59	67	62	58	55			
R	4	81	68	59	52	78	67	58	51	64	57	51	62	55	59	54	49	47			
C	5	74	61	51	44	72	60	51	44	57	50	44	55	48	43	53	47	43	40		
R	6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35		
	7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31		
	8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28		
	9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25		
	10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	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: \_\_\_\_\_

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**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	1353*	1353	1353	1353	1353
2.5	1345	1345	1346	1348	1351
5.0	1337	1337	1338	1340	1345
7.5	1330	1329	1328	1329	1335
10.0	1322	1320	1316	1315	1322
12.5	1314	1310	1302	1297	1305
15.0	1306	1300	1286	1277	1284
17.5	1299	1289	1269	1253	1259
20.0	1291	1278	1250	1226	1231
22.5	1272	1263	1229	1197	1200
25.0	1252	1240	1207	1165	1166
27.5	1221	1214	1182	1131	1129
30.0	1190	1180	1150	1095	1090
32.5	1158	1145	1116	1058	1048
35.0	1127	1111	1076	1019	1004
37.5	1096	1076	1033	978	959
40.0	1065	1042	990	937	912
42.5	1034	1007	947	895	864
45.0	1002	972	903	849	815
47.5	959	937	860	801	765
50.0	916	891	818	753	714
52.5	873	846	776	701	663
55.0	830	800	734	649	611
57.5	786	755	684	598	560
60.0	743	711	635	548	508
62.5	700	667	588	499	456
65.0	657	623	541	452	404
67.5	607	577	496	407	353
70.0	558	528	452	361	303
72.5	502	476	408	314	253
75.0	446	421	362	270	205
77.5	390	367	312	229	159
80.0	334	313	263	191	116
82.5	278	259	215	153	76
85.0	222	205	167	115	44
87.5	166	151	120	80	26
90.0	109	98	73	46	24
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