

LUMINAIRE: CRW4-LSCS (3500K, 40W)
 CRW Round Wrap, Wraps
 CRW Round Wrap 4ft 3500K 40W
BALLAST: EDU
BALLAST FACTOR: 1.00
LAMP:
FIXTURE LUMENS: 5325
WATTS: 40.10
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.20 90° = 1.25
LUMINOUS OPENING IN FEET
 LENGTH: 3.80
 WIDTH: 0.77
 HEIGHT: 0.00

TEST #23885

DATE: 1/22/2020

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 133

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.80

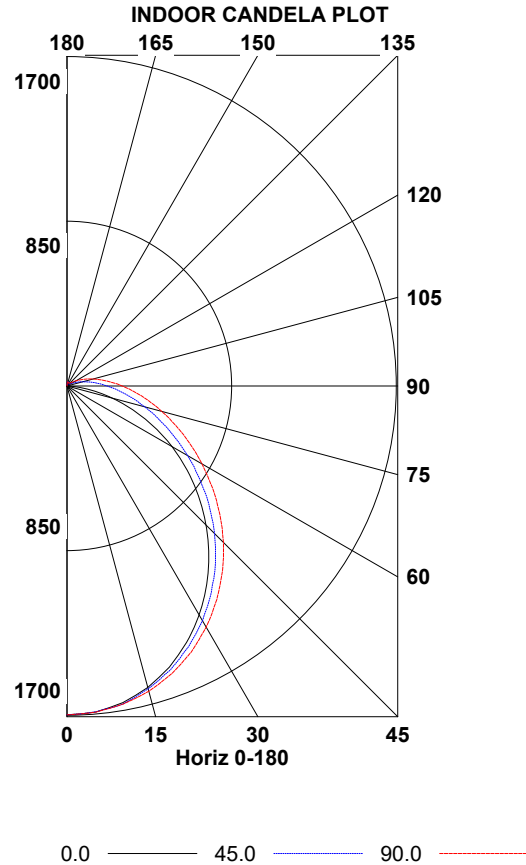
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1302	24.5	24.5
0-40	2117	39.7	39.7
0-60	3700	69.5	69.5
0-90	4987	93.7	93.7
90-120	278	5.2	5.2
90-130	298	5.6	5.6
90-150	321	6.0	6.0
90-180	338	6.3	6.3
0-180	5325	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	6243	6243	6243	6243	6243
30	5794	5845	5943	6066	6104
40	5470	5547	5724	5931	5993
45	5275	5385	5598	5858	5941
50	5076	5202	5477	5803	5889
55	4855	4996	5362	5772	5875
60	4598	4782	5290	5790	5923
65	4291	4587	5284	5928	6076
70	3894	4442	5442	6228	6432
75	3397	4420	5899	6950	7192
80	2754	4809	7118	8644	8983
85	2026	6669	11270	14183	14774



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	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%	
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94	
1	106	101	96	91	102	98	93	89	92	89	85	87	84	82	82	80	78	75	
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	72	68	65	62	
3	87	76	68	61	84	74	66	60	70	64	58	67	61	56	63	59	54	52	
R	4	80	67	58	51	77	66	57	51	62	55	49	59	53	48	56	51	47	44
C	5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
R	6	68	54	45	39	65	53	44	38	50	43	37	48	42	36	46	40	36	33
	7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	32	30
	8	58	45	36	30	57	44	36	30	42	35	29	40	34	29	39	33	28	26
	9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
	10	51	38	30	25	50	37	30	24	36	29	24	34	28	24	33	27	23	21

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	1697*	1697	1697	1697	1697
2.5	1693	1692	1693	1692	1693
5.0	1689	1687	1688	1688	1690
7.5	1674	1673	1677	1675	1678
10.0	1659	1659	1666	1662	1667
12.5	1635	1636	1642	1644	1649
15.0	1610	1612	1618	1625	1631
17.5	1577	1580	1589	1601	1605
20.0	1544	1548	1560	1576	1580
22.5	1502	1508	1522	1542	1548
25.0	1460	1468	1484	1508	1516
27.5	1412	1422	1441	1468	1476
30.0	1364	1376	1399	1428	1437
32.5	1310	1323	1349	1382	1392
35.0	1255	1269	1299	1336	1347
37.5	1197	1212	1246	1285	1297
40.0	1139	1155	1192	1235	1248
42.5	1077	1095	1134	1180	1195
45.0	1014	1035	1076	1126	1142
47.5	951	972	1016	1070	1086
50.0	887	909	957	1014	1029
52.5	822	844	896	957	973
55.0	757	779	836	900	916
57.5	691	715	778	844	860
60.0	625	650	719	787	805
62.5	559	589	663	734	751
65.0	493	527	607	681	698
67.5	428	470	557	630	648
70.0	362	413	506	579	598
72.5	300	362	461	534	552
75.0	239	311	415	489	506
77.5	184	269	375	449	465
80.0	130	227	336	408	424
82.5	89	192	301	372	387
85.0	48	158	267	336	350
87.5	29	132	237	305	318
90.0	9	105	208	273	285
92.5	5	86	183	245	257
95.0	1	67	159	218	229
97.5	1	53	139	194	204
100.0	1	39	118	171	180
102.5	2	31	101	151	159
105.0	2	22	84	131	139
107.5	3	18	71	114	121
110.0	4	13	58	97	104
112.5	5	11	48	83	89
115.0	5	9	38	70	75
117.5	7	9	32	59	64
120.0	8	9	26	49	53
122.5	9	9	22	41	45
125.0	10	9	18	33	37
127.5	11	10	16	28	31
130.0	11	11	15	24	26
132.5	12	12	14	21	23
135.0	13	13	14	18	20
137.5	13	14	14	17	19
140.0	14	15	15	17	17
142.5	15	16	16	17	17
145.0	16	17	17	17	17
147.5	16	18	18	18	18
150.0	17	19	19	18	19
152.5	18	20	20	19	19
155.0	19	20	20	20	20
157.5	20	21	21	21	20
160.0	20	22	22	22	20
162.5	20	21	22	22	19
165.0	20	21	22	22	19
167.5	21	21	23	20	20
170.0	22	22	23	19	20
172.5	23	22	22	20	21
175.0	24	23	22	22	22
177.5	12	12	11	11	11
180.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE