

LUMINAIRE: LLHP2-50-H-M-EDU
 LLHP Led High Bay, Industrial
 11" x 24" led with medium distribution optics
BALLAST: TRC-152Q070DT
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 27674
WATTS: 281.20
MOUNTING: Pendant
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 0.99 90° = 0.98
LUMINOUS OPENING IN FEET
 LENGTH: 1.58
 WIDTH: 0.67
 HEIGHT: 0.00

TEST #5940
 DATE: 10/9/2012

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 98

ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.45
BASED ON 3000 HRS. AND \$.08 PER KWH

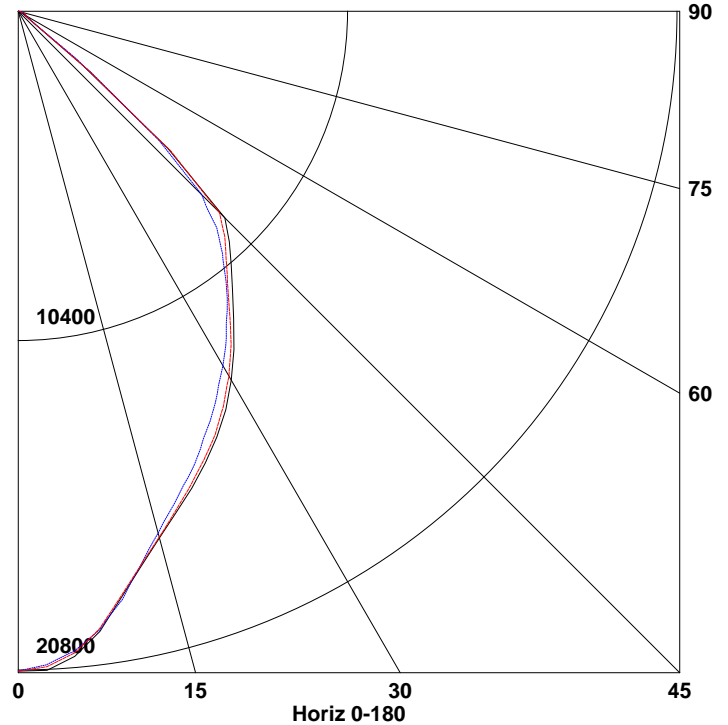
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	13444	48.6	48.6
0-40	20752	75.0	75.0
0-60	27307	98.7	98.7
0-90	27674	100.0	100.0
0-180	27674	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	211791	211791	211791	211791	211791
30	157917	155851	151683	154442	156203
40	138788	137195	133239	134208	135469
45	132611	125061	117785	122674	129160
50	42157	43154	43533	46159	46349
55	6914	6914	7375	7091	7126
60	5450	4108	3986	4189	5694
65	5486	4186	4427	4138	5847
70	5084	4489	4281	4549	5203
75	3497	5736	4832	5814	3693
80	3748	5329	3865	5387	3631
85	4083	5834	4900	5834	4433

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%						
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
RW	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
	2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
	3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
R	4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
C	5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62
R	6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
	7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
	8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
	9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
	10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40

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	20829*	20829	20829	20829	20829
2.5	20824	20811	20646	20647	20708
5.0	20443	20441	20285	20280	20336
7.5	19745	19808	19697	19656	19662
10.0	18776	18884	18871	18755	18732
12.5	17938	17969	17901	17862	17896
15.0	17217	17193	17054	17111	17184
17.5	16586	16510	16330	16428	16528
20.0	16020	15885	15662	15782	15921
22.5	15434	15261	14990	15165	15320
25.0	14830	14642	14308	14532	14720
27.5	14187	13974	13612	13853	14035
30.0	13450	13274	12919	13154	13304
32.5	12669	12551	12221	12414	12503
35.0	11852	11796	11503	11637	11635
37.5	11108	11057	10779	10836	10850
40.0	10456	10336	10038	10111	10206
42.5	9863	9627	9281	9436	9653
45.0	9222	8697	8191	8531	8982
47.5	6400	6397	6015	6433	6528
50.0	2665	2728	2752	2918	2930
52.5	642	634	664	639	642
55.0	390	390	416	400	402
57.5	247	230	234	242	252
60.0	268	202	196	206	280
62.5	272	181	183	182	286
65.0	228	174	184	172	243
67.5	221	167	167	166	231
70.0	171	151	144	153	175
72.5	139	149	137	149	142
75.0	89	146	123	148	94
77.5	68	121	99	121	68
80.0	64	91	66	92	62
82.5	49	71	53	72	49
85.0	35	50	42	50	38
87.5	21	35	30	33	18
90.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE