

LUMINAIRE: HHH-4K-LB-MO-D
Triple H Led Highbays and Lowbays, Industrial
Modular led lowbay with diffuse extruded acrylic lens
Data Scaled from Test# 16.02185
BALLAST: XI095C275V054DNF1, XI050C105V050CNV1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 19123
WATTS: 161.70
MOUNTING: Pendant
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.19 90° = 1.29
LUMINOUS OPENING IN FEET
LENGTH: 1.25
WIDTH: 1.25
HEIGHT: 0.17

TEST #16433

DATE: 8/5/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 118

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.03

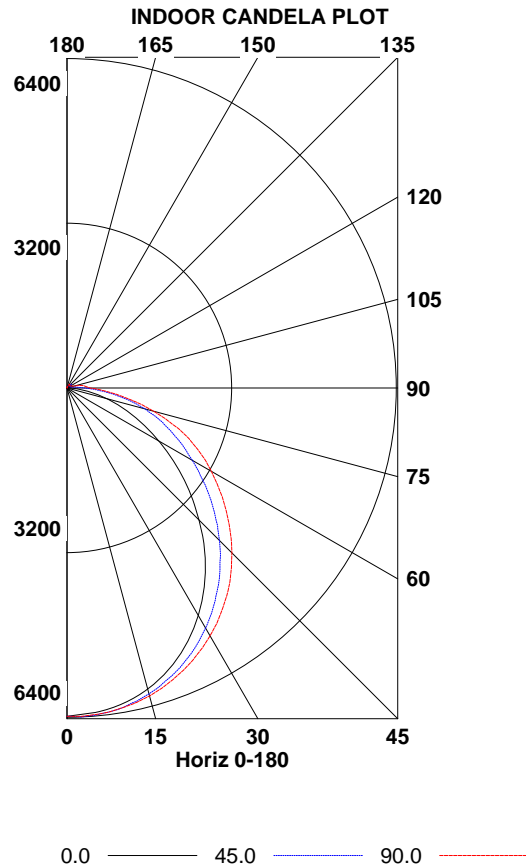
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	4952	25.9	25.9
0-40	8075	42.2	42.2
0-60	14130	73.9	73.9
0-90	18584	97.2	97.2
90-120	378	2.0	2.0
90-130	432	2.3	2.3
90-150	518	2.7	2.7
90-180	539	2.8	2.8
0-180	19123	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	43931	43931	43931	43931	43931
30	37608	37422	38540	39860	41000
40	33586	33675	35812	38019	39745
45	31105	31535	34236	36903	38858
50	28627	29248	32565	35643	37904
55	25746	26727	30839	34457	37020
60	22927	24305	29093	33292	36152
65	20192	22024	27582	32163	35235
70	17170	19774	26145	30818	33828
75	14089	17508	24280	27959	30862
80	10482	15314	21252	24146	27145
85	6343	12152	17299	20236	24042



COEFFICIENTS OF UTILIZATION (%)

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	115	115	115	115	110	110	110	104	104	104	99	99	99	97	
1	107	102	98	93	104	100	95	92	95	91	88	90	88	85	86	84	82	80	
2	97	89	82	76	94	86	80	74	82	77	72	79	74	70	75	71	68	66	
3	89	78	69	63	86	76	68	62	72	66	60	69	64	59	66	62	58	55	
R	4	81	69	60	53	78	67	59	52	64	57	51	62	55	50	59	54	49	47
C	5	74	61	52	45	72	60	51	45	58	50	44	55	49	44	53	47	43	41
R	6	69	55	46	40	67	54	46	39	52	44	39	50	43	38	48	42	38	35
	7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	33	31
	8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	40	34	30	28
	9	55	42	34	28	54	41	33	28	40	33	28	39	32	27	37	31	27	25
	10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	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	6377	6377	6377	6377	6377
2.5	6347	6355	6397	6398*	6383
5.0	6329	6339	6380	6384	6368
7.5	6286	6301	6346	6357	6345
10.0	6230	6243	6299	6315	6304
12.5	6152	6171	6234	6260	6255
15.0	6054	6079	6153	6192	6193
17.5	5939	5965	6060	6113	6117
20.0	5808	5846	5951	6020	6028
22.5	5651	5702	5829	5914	5929
25.0	5488	5542	5697	5795	5818
27.5	5305	5379	5547	5665	5692
30.0	5099	5187	5383	5525	5559
32.5	4887	4987	5212	5377	5418
35.0	4659	4780	5025	5208	5257
37.5	4409	4547	4832	5037	5096
40.0	4161	4303	4625	4858	4924
42.5	3901	4071	4412	4659	4729
45.0	3627	3812	4190	4461	4531
47.5	3361	3554	3966	4252	4327
50.0	3104	3307	3735	4030	4110
52.5	2820	3045	3501	3814	3896
55.0	2560	2790	3273	3597	3681
57.5	2309	2553	3040	3371	3458
60.0	2056	2307	2815	3160	3242
62.5	1822	2088	2601	2949	3027
65.0	1600	1866	2390	2725	2792
67.5	1384	1651	2185	2507	2563
70.0	1171	1461	1984	2277	2307
72.5	978	1272	1779	2010	2021
75.0	798	1094	1567	1747	1748
77.5	621	936	1346	1486	1479
80.0	468	775	1120	1222	1212
82.5	330	615	905	988	983
85.0	205	466	700	776	777
87.5	100	322	507	581	598
90.0	13	189	336	424	443
92.5	1	108	246	365	395
95.0	3	59	185	321	363
97.5	6	40	146	288	330
100.0	6	37	115	245	288
102.5	6	35	91	185	229
105.0	6	35	82	128	157
107.5	7	38	74	110	115
110.0	7	46	70	103	107
112.5	8	59	65	95	102
115.0	8	68	62	88	95
117.5	8	68	62	80	88
120.0	8	63	62	74	78
122.5	9	60	64	72	73
125.0	9	56	75	67	70
127.5	9	51	91	63	65
130.0	9	49	107	62	60
132.5	9	45	112	69	58
135.0	10	42	101	76	63
137.5	10	40	91	92	66
140.0	10	38	82	102	84
142.5	9	36	72	94	93
145.0	8	34	61	86	86
147.5	8	31	51	79	84
150.0	8	28	44	68	77
152.5	8	26	39	58	63
155.0	8	25	33	42	53
157.5	8	23	29	36	38
160.0	7	19	27	28	32
162.5	7	14	22	25	25
165.0	7	11	18	19	17
167.5	7	8	17	14	12
170.0	7	6	10	13	9
172.5	6	6	6	6	8
175.0	6	6	5	3	2
177.5	6	6	4	1	0
180.0	4	4	4	4	4

*MAXIMUM CANDELA VALUE