

**LUMINAIRE:** HHH-5K-HB-HV-N  
 Triple H Led Highbays and Lowbays, Industrial  
 Modular led highbay with clear extruded acrylic narrow distribution lens  
 Data Scaled from Test# 16.01899 -For Gulfstream Hanger A1  
**BALLAST:** XI095C275V054DNF1, XI095C275V054DNF1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 81194  
**WATTS:** 645.10  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.36 90° = 1.00  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 2.17  
 WIDTH: 2.33  
 HEIGHT: 0.00

TEST #17531

DATE: 7/19/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 126**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.90**

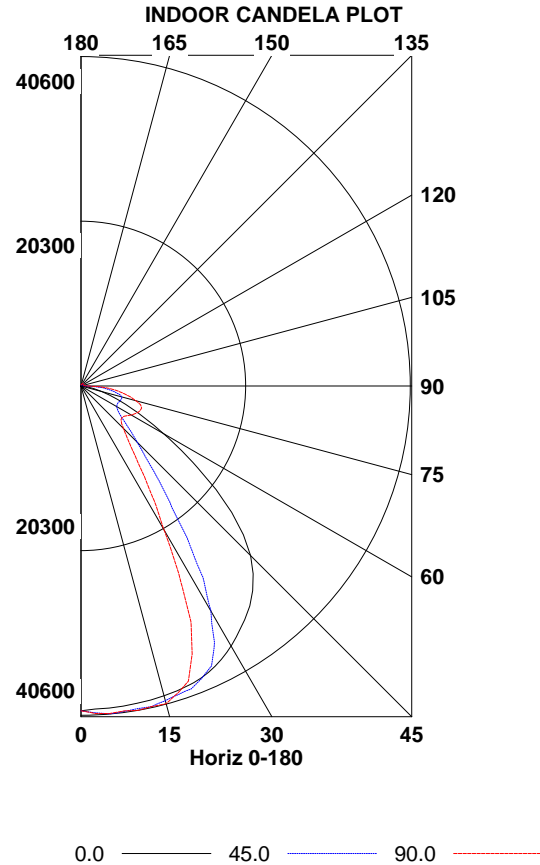
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	31619	38.9	38.9
0-40	46674	57.5	57.5
0-60	65390	80.5	80.5
0-90	79491	97.9	97.9
90-120	846	1.0	1.0
90-130	1115	1.4	1.4
90-150	1564	1.9	1.9
90-180	1703	2.1	2.1
0-180	81194	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	85201	85201	85201	85201	85201
30	90943	90321	78681	57343	50116
40	91462	77873	40005	28424	26193
45	88976	60425	29505	23029	22225
50	80266	46099	23853	20799	21326
55	65054	38612	21108	22296	24133
60	50553	33879	21647	27041	30448
65	37876	30421	25232	34743	38909
70	28720	28191	32249	45153	49566
75	22382	27111	42962	55029	57513
80	17299	28566	52338	63066	66180
85	12092	31780	68567	83346	88134



**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%															
	80%				70%				50%				30%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87
2	100	92	86	81	97	90	85	80	87	82	77	83	79	75	80	76
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	72	68
4	86	75	67	60	83	73	66	60	70	64	59	68	62	58	66	61
5	79	68	59	53	77	67	59	53	64	57	52	62	56	52	60	55
6	74	62	54	48	72	61	53	48	59	52	47	57	51	46	55	50
7	69	57	49	43	68	56	48	43	54	47	42	53	47	42	51	46
8	65	52	45	39	63	52	44	39	50	44	39	49	43	38	48	42
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	44	39
10	58	45	38	33	56	45	38	33	44	37	33	43	37	32	42	36

**ZONAL CAVITY METHOD**

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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Modular led highbay with clear extruded acrylic narrow distribution lens

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**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	40021	40021	40021	40021	40021
2.5	39853	40056	40326	40362	40403
5.0	39847	40207	40566	40527	40509
7.5	39790	40254	40449	40388	40388
10.0	39714	40167	40361	40559	<b>40587*</b>
12.5	39637	39951	40428	40427	40463
15.0	39529	39745	40162	40437	40545
17.5	39386	39702	39886	40039	39685
20.0	39178	39575	39732	39127	38708
22.5	38888	39026	38954	37220	35799
25.0	38417	38229	38058	34070	32052
27.5	37779	37620	35634	29583	26132
30.0	36995	36742	32007	23327	20387
32.5	36080	35436	28019	18620	16796
35.0	35178	33867	22727	15102	13640
37.5	34185	31562	17925	12370	11112
40.0	32911	28021	14395	10228	9425
42.5	31401	24004	11660	8698	8260
45.0	29553	20070	9800	7649	7382
47.5	27138	16696	8458	6854	6765
50.0	24235	13919	7202	6280	6439
52.5	20972	11966	6288	6048	6378
55.0	17527	10403	5687	6007	6502
57.5	14521	9086	5297	6111	6773
60.0	11873	7957	5084	6351	7151
62.5	9441	6957	4998	6621	7448
65.0	7519	6039	5009	6897	7724
67.5	5941	5246	5085	7124	7903
70.0	4614	4529	5181	7254	7963
72.5	3574	3876	5246	7211	7691
75.0	2721	3296	5223	6690	6992
77.5	2022	2796	4917	5948	6234
80.0	1411	2330	4269	5144	5398
82.5	913	1833	3569	4309	4514
85.0	495	1301	2807	3412	3608
87.5	171	738	1771	2265	2438
90.0	0	197	576	808	907
92.5	0	113	323	474	527
95.0	0	110	287	432	471
97.5	0	111	272	404	435
100.0	0	126	255	381	396
102.5	9	143	254	339	362
105.0	17	162	251	321	339
107.5	24	186	252	311	327
110.0	32	233	261	309	323
112.5	38	320	266	306	323
115.0	45	372	273	314	329
117.5	53	380	279	311	333
120.0	59	365	282	312	329
122.5	66	353	288	317	330
125.0	74	348	323	317	333
127.5	80	350	383	308	330
130.0	86	353	420	300	318
132.5	90	351	432	324	308
135.0	90	345	455	374	330
137.5	92	336	434	405	369
140.0	93	315	389	416	393
142.5	95	284	344	425	392
145.0	95	270	305	395	401
147.5	93	245	275	323	362
150.0	92	215	246	264	314
152.5	92	188	230	236	273
155.0	92	165	209	219	239
157.5	92	147	183	207	186
160.0	90	132	180	197	176
162.5	87	117	168	171	168
165.0	84	101	153	167	189
167.5	83	89	138	165	207
170.0	81	84	117	158	179
172.5	80	83	96	138	147
175.0	78	81	92	114	119
177.5	78	80	90	116	123
180.0	99	99	99	99	99

\*MAXIMUM CANDELA VALUE