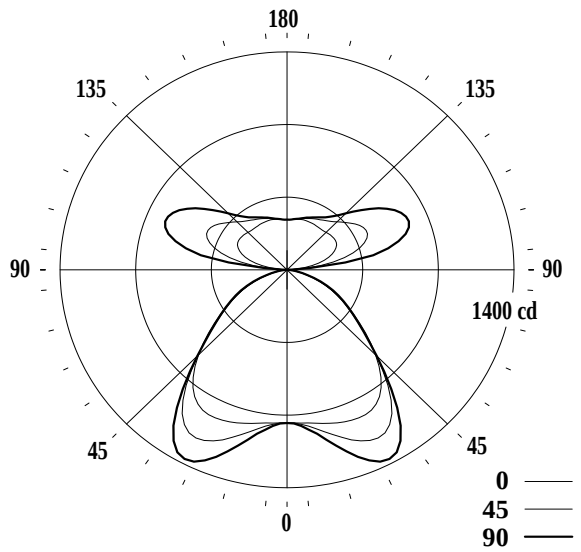
LEDALITE - SYNC

TEST DATE:	09 Jan 2019	**CATALOG NO:**	**7406LAAQD**
Lamp Type:	LED	**Description:**	SYNC 60%DN HI 840
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	5655 lm 100.0%
Input Watts:	120 VAC 56.5	**Up/Dn Ratio, Efficacy (lm/W):**	44% Up / 56% Dn 100.1
CIE-IES Classification:	Direct-Indirect	**Report (Ele, Col, Photo):**	ITL88344-THD1 ITL88346-SPH S88347-8

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	984	984	984	984	984	
5	988	990	996	1002	1006	96
15	1021	1037	1096	1150	1169	312
25	1049	1088	1209	1319	1359	554
35	994	1029	1128	1197	1222	689
45	773	769	779	781	781	602
55	505	493	489	493	497	446
65	298	296	300	308	315	299
75	122	126	128	132	132	140
85	22	24	26	28	28	32
90	0	0	0	0	0	
95	55	69	102	136	150	137
105	237	296	422	601	712	463
115	333	398	548	718	810	547
125	353	404	513	637	690	465
135	341	373	436	495	513	338
145	335	351	390	412	412	241
155	337	343	363	373	371	166
165	335	335	341	343	343	97
175	325	325	325	325	325	31
180	323	323	323	323	323	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1049.0	25.0
Direct: Peak Candela & Angle (90deg)			1369.6	27.5
Spacing Criteria (0deg, 90deg, 180deg)		1.50	1.62	N/A
Indirect: Peak Candela & Angle			813.6	112.5
Indirect: Zenith Candela, Peak to Zenith			322.6	2.52
Luminous Length, Width, Height (ft)		3.8021	0.2917	0.0000
UGR (4H x 8H, 0.25H)				N/A
Ballast Factor, Multiplication Factor			1.000	2.029
DesignLights Consortium				N/A
x, y, CCT ,Duv	0.3849	0.3837	3931	0.0020
CRI (Ra), R9			83	5
120V: P(W), I(A), THD(%), PF	56.5	0.473	9.4	0.995
277V: P(W), I(A), THD(%), PF	56.0	0.205	10.2	0.987
347V: P(W), I(A), THD(%), PF	N/A	N/A	N/A	N/A

COEFFICIENTS OF UTILIZATION (%)

Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	109	109	109	109	101	101	101	87	87	87	56
1	100	95	92	88	93	89	86	77	74	72	48
2	91	84	78	73	84	78	73	68	64	60	41
3	83	74	67	61	77	69	63	60	55	51	35
4	76	66	58	52	71	61	55	54	48	44	30
5	70	59	51	45	65	55	48	48	42	38	26
6	65	53	45	39	60	49	42	43	37	33	23
7	60	48	40	34	56	45	38	39	33	29	21
8	55	43	35	30	52	41	34	36	30	26	18
9	52	39	32	27	48	37	30	33	27	23	17
10	48	36	29	24	45	34	27	30	25	21	15

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	963	17.0%	17.0%
0-40	1652	29.2%	29.2%
0-60	2699	47.7%	47.7%
0-90	3170	56.1%	56.1%
90-130	1612	28.5%	28.5%
90-150	2191	38.7%	38.7%
90-180	2485	43.9%	43.9%
0-180	5655	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	9548	9548	9548
5	9624	9703	9802
15	10252	11006	11740
25	11231	12947	14554
35	11777	13363	14468
45	10608	10691	10719
55	8547	8272	8409
65	6848	6894	7221
75	4564	4792	4944
85	2485	2937	3162

LUMINAIRE SECTION

LEDALITE

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