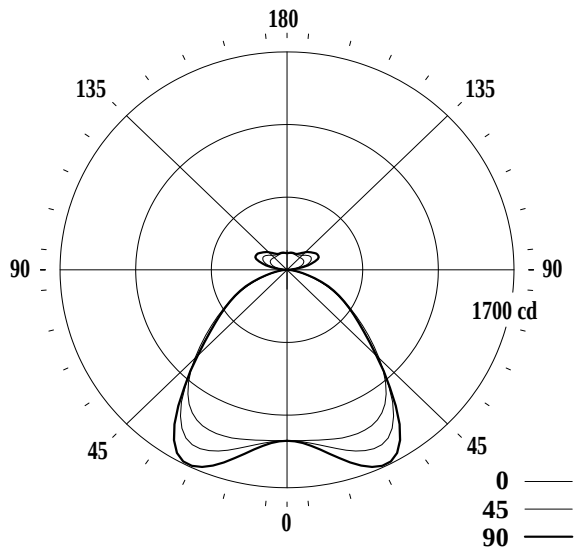
LEDALITE - SYNC

TEST DATE:	09 Jan 2019	**CATALOG NO:**	**7406LCAQG**
Lamp Type:	LED	**Description:**	SYNC 80%DN HI 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4871 lm 100.0%
Input Watts:	120 VAC 56.9	**Up/Dn Ratio, Efficacy (lm/W):**	18% Up / 82% Dn 85.6
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	ITL88344-THD1 ITL88342-SPH S88348-2

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1334	1334	1334	1334	1334	
5	1337	1339	1347	1354	1356	130
15	1366	1381	1443	1502	1521	411
25	1379	1413	1540	1647	1687	705
35	1279	1303	1392	1451	1470	854
45	977	963	954	948	946	741
55	635	620	606	606	610	553
65	376	370	372	382	387	372
75	153	155	157	161	164	172
85	26	30	32	34	34	39
90	0	0	0	0	0	
95	19	21	25	26	26	36
105	102	117	153	178	189	154
115	138	157	200	249	259	197
125	144	157	195	232	234	173
135	136	144	161	191	195	129
145	132	136	144	153	155	91
155	132	136	140	140	140	64
165	132	134	136	138	138	39
175	130	130	130	132	132	13
180	130	130	130	130	130	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1382.7	22.5
Direct: Peak Candela & Angle (90deg)			1686.9	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.45	1.54	N/A
Indirect: Peak Candela & Angle			258.8	115.0
Indirect: Zenith Candela, Peak to Zenith			130.3	1.99
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	1.889
DesignLights Consortium				N/A
x, y, CCT ,Duv	0.4338	0.4031	3045	0.0000
CRI (Ra), R9			84	10
120V: P(W), I(A), THD(%), PF	56.9	0.477	9.4	0.995
277V: P(W), I(A), THD(%), PF	56.4	0.206	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	115	115	115	115	110	110	110	101	101	101	82
1	106	101	98	94	101	97	94	90	87	85	70
2	97	89	83	78	93	86	80	80	75	71	60
3	89	79	72	66	85	76	69	71	65	61	51
4	81	70	62	56	78	68	61	63	57	52	44
5	75	63	55	49	72	61	53	57	50	45	39
6	69	57	49	43	66	55	47	51	45	40	34
7	64	52	43	38	62	50	42	47	40	35	30
8	60	47	39	34	57	46	38	43	36	32	27
9	56	43	35	30	54	42	35	39	33	29	24
10	52	40	32	27	50	39	32	36	30	26	22

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	1245	25.6%	25.6%
0-40	2099	43.1%	43.1%
0-60	3393	69.7%	69.7%
0-90	3976	81.6%	81.6%
90-130	560	11.5%	11.5%
90-150	779	16.0%	16.0%
90-180	895	18.4%	18.4%
0-180	4871	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	12940	12940	12940
5	13026	13118	13210
15	13719	14497	15275
25	14763	16482	18060
35	15148	16491	17408
45	13401	13090	12986
55	10737	10258	10322
65	8631	8544	8891
75	5736	5878	6161
85	2944	3575	3785

LUMINAIRE SECTION

LEDALITE

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