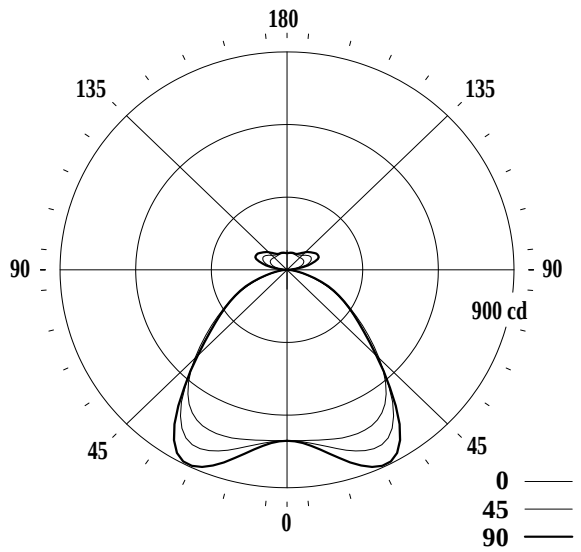
LEDALITE - SYNC

TEST DATE:	22 Sep 2016	**CATALOG NO:**	**7406LCEQG**
Lamp Type:	LED	**Description:**	SYNC 80%DN LO 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	2578 lm 100.0%
Input Watts:	120 VAC 28.5	**Up/Dn Ratio, Efficacy (lm/W):**	18% Up / 82% Dn 90.5
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	ITL88342-THD1 ITL88342-SPH ITL88348

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	706	706	706	706	706	
5	708	709	713	717	718	69
15	723	731	764	795	805	217
25	730	748	815	872	893	373
35	677	690	737	768	778	452
45	517	510	505	502	501	392
55	336	328	321	321	323	293
65	199	196	197	202	205	197
75	81	82	83	85	87	91
85	14	16	17	18	18	21
90	0	0	0	0	0	
95	10	11	13	14	14	19
105	54	62	81	94	100	81
115	73	83	106	132	137	105
125	76	83	103	123	124	91
135	72	76	85	101	103	68
145	70	72	76	81	82	48
155	70	72	74	74	74	34
165	70	71	72	73	73	20
175	69	69	69	70	70	7
180	69	69	69	69	69	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1	Meets RP-1-12 recommendations for VDT-Normal spaces			
Direct: Peak Candela & Angle (0deg)			732.0	22.5
Direct: Peak Candela & Angle (90deg)			893.0	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.45	1.54	N/A
Indirect: Peak Candela & Angle			137.0	115.0
Indirect: Zenith Candela, Peak to Zenith			69.0	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	1.000
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	28.5	0.239	8.0	0.994
277V: P(W), I(A), THD(%), PF	28.5	0.107	11.6	0.962
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	659	25.6%	25.6%
0-40	1111	43.1%	43.1%
0-60	1796	69.7%	69.7%
0-90	2105	81.6%	81.6%
90-130	296	11.5%	11.5%
90-150	413	16.0%	16.0%
90-180	474	18.4%	18.4%
0-180	2578	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	6850	6850	6850
5	6896	6945	6993
15	7263	7675	8086
25	7815	8725	9560
35	8019	8730	9215
45	7094	6930	6875
55	5684	5430	5464
65	4569	4523	4707
75	3037	3112	3262
85	1559	1893	2004

LUMINAIRE SECTION

LEDALITE

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