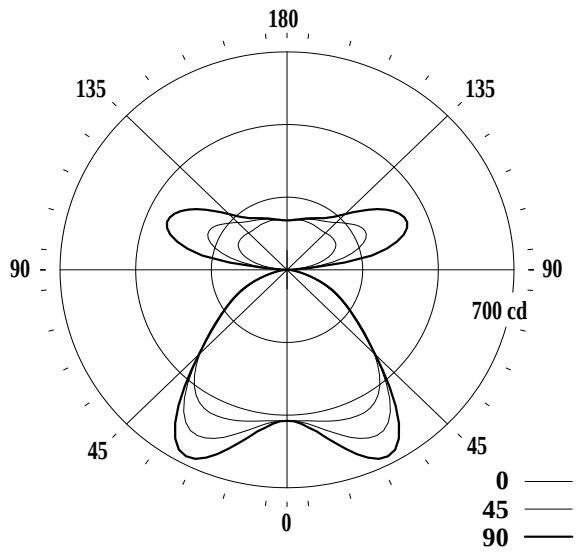
LEDALITE - SYNC

TEST DATE:	21 Sep 2016	**CATALOG NO:**	**7406LCEQD**
Lamp Type:	LED	**Description:**	SYNC 60%DN LO 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	2787 lm 100.0%
Input Watts:	120 VAC 28.5	**Up/Dn Ratio, Efficacy (lm/W):**	44% Up / 56% Dn 97.8
CIE-IES Classification:	Direct-Indirect	**Report (Ele, Col, Photo):**	ITL88342-THD1 ITL88342-SPH ITL88347

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	485	485	485	485	485	
5	487	488	491	494	496	48
15	503	511	540	567	576	154
25	517	536	596	650	670	273
35	490	507	556	590	602	340
45	381	379	384	385	385	297
55	249	243	241	243	245	220
65	147	146	148	152	155	148
75	60	62	63	65	65	69
85	11	12	13	14	14	16
90	0	0	0	0	0	
95	27	34	50	67	74	68
105	117	146	208	296	351	228
115	164	196	270	354	399	270
125	174	199	253	314	340	229
135	168	184	215	244	253	166
145	165	173	192	203	203	119
155	166	169	179	184	183	82
165	165	165	168	169	169	48
175	160	160	160	160	160	15
180	159	159	159	159	159	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1	Meets RP-1-12 recommendations for VDT-Critical spaces			
Direct: Peak Candela & Angle (0deg)			517.0	25.0
Direct: Peak Candela & Angle (90deg)			675.0	27.5
Spacing Criteria (0deg, 90deg, 180deg)		1.50	1.62	N/A
Indirect: Peak Candela & Angle			401.0	112.5
Indirect: Zenith Candela, Peak to Zenith			159.0	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	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	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	474	17.0%	17.0%
0-40	814	29.2%	29.2%
0-60	1330	47.7%	47.7%
0-90	1563	56.1%	56.1%
90-130	795	28.5%	28.5%
90-150	1080	38.7%	38.7%
90-180	1225	43.9%	43.9%
0-180	2787	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	4706	4706	4706
5	4743	4782	4831
15	5053	5424	5786
25	5535	6381	7173
35	5804	6586	7131
45	5228	5269	5283
55	4212	4077	4145
65	3375	3398	3559
75	2249	2362	2437
85	1225	1447	1559

LUMINAIRE SECTION

LEDALITE

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