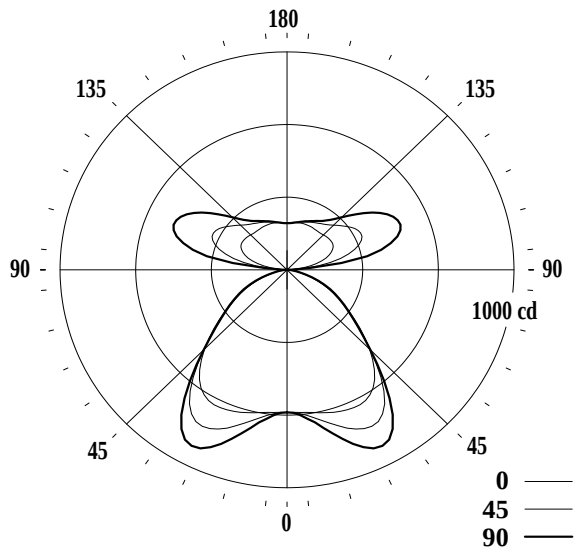
LEDALITE - SYNC

TEST DATE:	09 Jan 2019	**CATALOG NO:**	**7406LCCQD**
Lamp Type:	LED	**Description:**	SYNC 60%DN MID 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3760 lm 100.0%
Input Watts:	120 VAC 39.5	**Up/Dn Ratio, Efficacy (lm/W):**	44% Up / 56% Dn 95.2
CIE-IES Classification:	Direct-Indirect	**Report (Ele, Col, Photo):**	ITL88343-THD1 ITL88342-SPH S88347-1

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	654	654	654	654	654	
5	657	658	662	666	669	64
15	679	689	729	765	777	208
25	697	723	804	877	904	368
35	661	684	750	796	812	458
45	514	511	518	519	519	400
55	336	328	325	328	331	297
65	198	197	200	205	209	199
75	81	84	85	88	88	93
85	15	16	18	19	19	21
90	0	0	0	0	0	
95	36	46	68	90	100	91
105	158	197	281	399	474	308
115	221	264	364	478	538	364
125	235	269	341	424	459	309
135	227	248	290	329	341	224
145	223	233	259	274	274	160
155	224	228	242	248	247	111
165	223	223	227	228	228	64
175	216	216	216	216	216	21
180	215	215	215	215	215	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1	Meets RP-1-12 recommendations for VDT-Normal spaces			
Direct: Peak Candela & Angle (0deg)			697.4	25.0
Direct: Peak Candela & Angle (90deg)			910.6	27.5
Spacing Criteria (0deg, 90deg, 180deg)		1.50	1.62	N/A
Indirect: Peak Candela & Angle			540.9	112.5
Indirect: Zenith Candela, Peak to Zenith			214.5	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	1.349
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	39.5	0.330	5.4	0.998
277V: P(W), I(A), THD(%), PF	38.9	0.143	8.8	0.980
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	640	17.0%	17.0%
0-40	1098	29.2%	29.2%
0-60	1795	47.7%	47.7%
0-90	2108	56.1%	56.1%
90-130	1072	28.5%	28.5%
90-150	1457	38.7%	38.7%
90-180	1652	43.9%	43.9%
0-180	3760	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	6348	6348	6348
5	6399	6451	6517
15	6816	7318	7805
25	7467	8608	9676
35	7830	8884	9619
45	7053	7108	7127
55	5682	5500	5591
65	4553	4584	4801
75	3034	3186	3287
85	1652	1952	2103

LUMINAIRE SECTION

LEDALITE

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