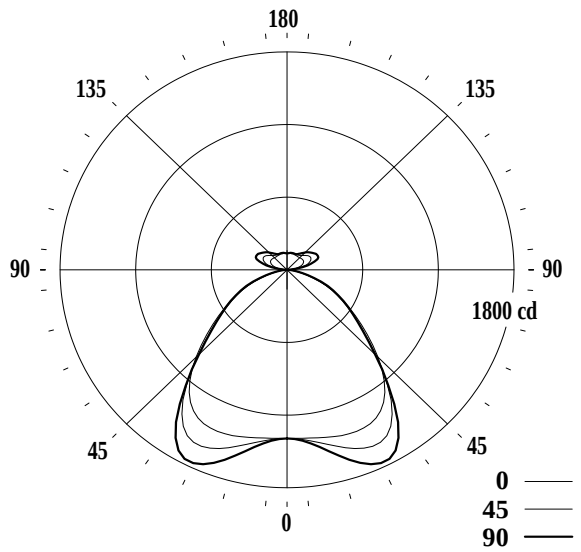
LEDALITE - SYNC

TEST DATE:	09 Jan 2019	**CATALOG NO:**	**7406LBAQG**
Lamp Type:	LED	**Description:**	SYNC 80%DN HI 835
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	5087 lm 100.0%
Input Watts:	120 VAC 56.7	**Up/Dn Ratio, Efficacy (lm/W):**	18% Up / 82% Dn 89.7
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	ITL88344-THD1 ITL88345-SPH S88348-5

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1393	1393	1393	1393	1393	
5	1397	1399	1407	1415	1417	136
15	1427	1442	1507	1569	1588	429
25	1440	1476	1608	1721	1762	736
35	1336	1361	1454	1515	1535	892
45	1020	1006	996	990	989	774
55	663	647	633	633	637	578
65	393	387	389	399	405	389
75	160	162	164	168	172	180
85	28	32	34	36	36	41
90	0	0	0	0	0	
95	20	22	26	28	28	38
105	107	122	160	186	197	160
115	144	164	209	260	270	206
125	150	164	203	243	245	180
135	142	150	168	199	203	134
145	138	142	150	160	162	95
155	138	142	146	146	146	67
165	138	140	142	144	144	40
175	136	136	136	138	138	13
180	136	136	136	136	136	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1444.2	22.5
Direct: Peak Candela & Angle (90deg)			1761.9	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.45	1.54	N/A
Indirect: Peak Candela & Angle			270.3	115.0
Indirect: Zenith Candela, Peak to Zenith			136.1	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	1.973
DesignLights Consortium				N/A
x, y, CCT ,Duv	0.4167	0.3968	3312	0.0000
CRI (Ra), R9			82	-1
120V: P(W), I(A), THD(%), PF	56.7	0.475	9.4	0.995
277V: P(W), I(A), THD(%), PF	56.2	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	1301	25.6%	25.6%
0-40	2192	43.1%	43.1%
0-60	3544	69.7%	69.7%
0-90	4153	81.6%	81.6%
90-130	585	11.5%	11.5%
90-150	814	16.0%	16.0%
90-180	934	18.4%	18.4%
0-180	5087	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	13516	13516	13516
5	13606	13702	13798
15	14329	15142	15954
25	15420	17215	18863
35	15822	17224	18182
45	13997	13672	13564
55	11214	10714	10781
65	9014	8924	9286
75	5991	6139	6435
85	3075	3734	3954

LUMINAIRE SECTION

LEDALITE

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