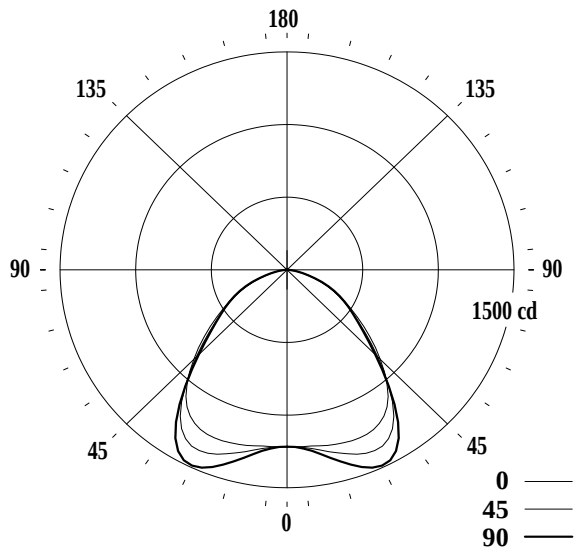
LEDALITE - SYNC

TEST DATE:	09 Jan 2019	**CATALOG NO:**	**7406LACQJ**
Lamp Type:	LED	**Description:**	SYNC 100%DN MID 840
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3560 lm 100.0%
Input Watts:	120 VAC 39.2	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 90.8
CIE-IES Classification:	Direct	**Report (Ele, Col, Photo):**	ITL88343-THD1 ITL88346-SPH S88349-7

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1217	1217	1217	1217	1217	
5	1222	1222	1227	1233	1235	118
15	1243	1253	1304	1352	1365	371
25	1249	1272	1372	1456	1487	628
35	1152	1166	1230	1274	1280	756
45	871	859	848	833	825	657
55	567	555	539	535	535	491
65	336	332	333	338	345	332
75	139	141	142	145	146	155
85	26	28	30	30	30	36
90	0	0	0	0	0	
95	1	1	1	1	0	1
105	1	3	3	4	1	3
115	3	3	4	3	3	3
125	3	4	3	3	3	3
135	3	3	3	4	4	3
145	3	3	3	4	4	2
155	3	3	3	3	4	1
165	3	3	3	1	3	1
175	1	1	1	1	1	0
180	1	1	1	1	1	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1251.9	20.0
Direct: Peak Candela & Angle (90deg)			1486.7	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.44	1.50	N/A
Indirect: Peak Candela & Angle			4.3	132.5
Indirect: Zenith Candela, Peak to Zenith			1.4	3.00
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	1.449
DesignLights Consortium				N/A
x, y, CCT ,Duv	0.3849	0.3837	3931	0.0020
CRI (Ra), R9			83	5
120V: P(W), I(A), THD(%), PF	39.2	0.327	5.4	0.998
277V: P(W), I(A), THD(%), PF	38.6	0.142	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	119	119	119	119	116	116	116	111	111	111	100
1	110	106	102	98	107	103	100	99	96	93	86
2	101	93	87	82	98	91	86	88	83	79	73
3	92	83	75	69	90	81	74	78	72	67	63
4	85	74	66	59	83	72	65	70	63	58	54
5	78	66	58	51	76	65	57	63	56	51	47
6	73	60	51	45	71	59	51	57	50	45	42
7	67	54	46	40	66	54	46	52	45	40	37
8	63	50	42	36	61	49	41	48	41	36	33
9	59	46	38	32	57	45	38	44	37	32	30
10	55	42	35	29	54	42	34	41	34	29	27

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	1117	31.4%	31.4%
0-40	1873	52.6%	52.6%
0-60	3021	84.8%	84.8%
0-90	3543	99.5%	99.5%
90-130	11	0.3%	0.3%
90-150	15	0.4%	0.4%
90-180	17	0.5%	0.5%
0-180	3560	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	11810	11810	11810
5	11897	11954	12025
15	12489	13100	13711
25	13372	14691	15916
35	13645	14572	15155
45	11950	11632	11314
55	9584	9119	9045
65	7718	7652	7918
75	5215	5324	5487
85	2904	3388	3388

LUMINAIRE SECTION

LEDALITE

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