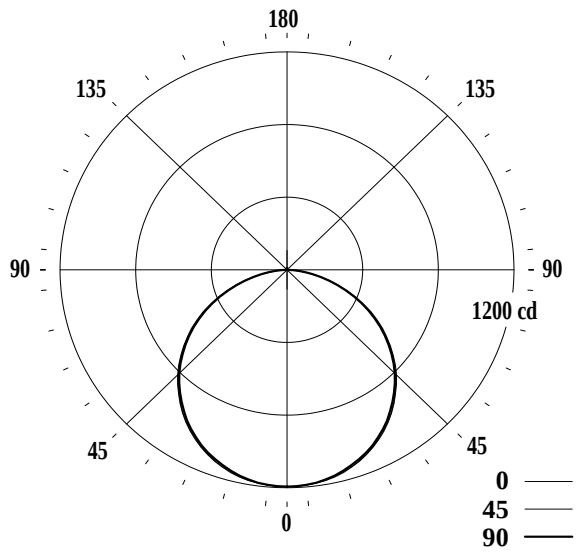
LEDALITE - FLOATPLANE

TEST DATE:	10 Jan 2019	**CATALOG NO:**	**24x5L827CAJ**
Lamp Type:	LED	**Description:**	FLOATPLANE SUSPENDED 100% DN MID TW 827
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3500 lm 100.0%
Input Watts:	120 VAC 39.2	**Up/Dn Ratio, Efficacy (lm/W):**	1% Up / 99% Dn 89.3
CIE-IES Classification:	Direct	**Report (Ele, Col, Photo):**	FP44 FP44Color S84846T1

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1194	1194	1194	1194	1194	
5	1189	1189	1189	1189	1188	113
15	1156	1148	1151	1151	1146	325
25	1078	1071	1075	1072	1068	494
35	963	956	960	954	950	598
45	818	811	813	806	806	625
55	643	639	637	632	632	568
65	446	443	439	435	435	435
75	238	234	232	231	231	247
85	52	55	58	60	60	67
90	0	0	0	0	0	
95	3	1	0	0	0	1
105	4	3	3	1	1	3
115	4	6	4	3	3	4
125	6	6	6	4	4	5
135	7	7	7	6	6	5
145	9	7	7	7	6	4
155	9	7	7	6	6	3
165	7	7	7	7	7	2
175	7	7	6	6	6	1
180	7	7	7	7	7	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1193.7	0.0
Direct: Peak Candela & Angle (90deg)			1193.7	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.27	1.26	N/A
Indirect: Peak Candela & Angle			8.5	145.0
Indirect: Zenith Candela, Peak to Zenith			7.1	1.20
Luminous Length, Width, Height (ft)		3.8906	0.5625	0.0000
UGR (4H x 8H, 0.25H)				N/A
Ballast Factor, Multiplication Factor			1.000	1.416
DesignLights Consortium				N/A
x, y, CCT ,Duv	0.4547	0.4064	2741	-0.0011
CRI (Ra), R9			82	8
120V: P(W), I(A), THD(%), PF	39.2	0.328	9.0	0.995
277V: P(W), I(A), THD(%), PF	38.7	0.147	14.9	0.952
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	99
1	108	104	99	95	106	101	97	97	94	91	83
2	98	90	83	77	96	88	82	84	79	75	69
3	90	79	71	64	87	77	70	74	68	62	58
4	82	70	61	54	80	69	60	66	59	53	49
5	75	62	53	47	73	61	53	59	51	46	42
6	70	56	47	41	68	55	47	53	46	40	37
7	64	51	42	36	63	50	42	48	41	35	33
8	60	46	38	32	58	46	37	44	37	31	29
9	56	42	34	29	55	42	34	41	33	28	26
10	52	39	31	26	51	39	31	38	31	26	24

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	932	26.6%	26.6%
0-40	1530	43.7%	43.7%
0-60	2723	77.8%	77.8%
0-90	3472	99.2%	99.2%
90-130	13	0.4%	0.4%
90-150	22	0.6%	0.6%
90-180	28	0.8%	0.8%
0-180	3500	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5869	5869	5869
5	5870	5870	5863
15	5881	5860	5831
25	5846	5830	5792
35	5779	5762	5703
45	5691	5651	5602
55	5511	5462	5413
65	5189	5107	5057
75	4519	4411	4385
85	2956	3275	3355

LUMINAIRE SECTION

LEDALITE

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