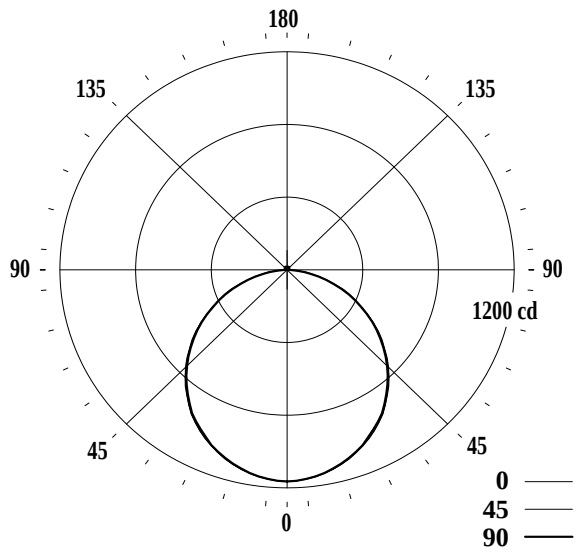
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LBCAJ04**
Lamp Type:	LED	**Description:**	FLOATPLANE 100%DN 4500LM 835
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3369 lm 100.0%
Input Watts:	277 VAC 31.5	**Up/Dn Ratio, Efficacy (lm/W):**	2% Up / 98% Dn 107.0
CIE-IES Classification:	Direct	**Report:**	LNG00088

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1165	1165	1165	1165	1165	
5	1155	1160	1157	1159	1155	110
15	1107	1118	1109	1114	1104	314
25	1025	1034	1024	1029	1016	473
35	906	920	905	909	898	569
45	759	779	754	759	748	587
55	590	603	584	589	579	528
65	403	420	398	412	397	404
75	219	230	218	221	214	236
85	65	70	55	61	52	70
90	0	0	0	0	0	
95	6	5	6	6	7	6
105	9	9	9	9	10	10
115	11	13	13	12	12	12
125	13	15	16	15	14	13
135	15	16	18	17	17	13
145	16	17	18	18	18	11
155	17	17	18	18	19	8
165	18	17	17	18	18	5
175	18	18	17	17	17	2
180	18	18	18	18	18	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1165.1	0.0
Direct: Peak Candela & Angle (90deg)			1165.1	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.23	N/A
Indirect: Peak Candela & Angle			18.9	150.0
Indirect: Zenith Candela, Peak to Zenith			18.2	1.04
Luminous Length, Width, Height (ft)		3.89	0.56	0.00
UGR (4H x 8H, 0.25H)				N/A
Ballast Factor, Multiplication Factor			1.000	1.000
DLC (120/277), DLC (347)			Standard	Standard
x, y, CCT ,Duv	0.4036	0.3898	3529	0.0000
CRI (Ra), R9			82	9
120V: P(W), I(A), THD(%), PF	31.4	0.262	7.9	0.998
277V: P(W), I(A), THD(%), PF	31.5	0.117	10.0	0.973
347V: P(W), I(A), THD(%), PF	31.0	0.092	7.4	0.972

COEFFICIENTS OF UTILIZATION (%)

Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	118	118	118	118	115	115	115	110	110	110	98
1	108	103	99	95	105	101	97	96	93	90	81
2	98	90	83	77	95	88	81	84	79	74	68
3	89	79	71	64	87	77	69	74	67	62	57
4	82	70	61	54	79	68	60	65	58	53	49
5	75	62	53	47	73	61	53	59	51	46	42
6	69	56	47	41	67	55	47	53	45	40	37
7	64	51	42	36	63	50	42	48	41	35	32
8	60	46	38	32	58	46	37	44	37	31	29
9	56	43	34	29	54	42	34	41	33	28	26
10	52	39	31	26	51	39	31	37	31	26	23

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	897	26.6%	26.6%
0-40	1465	43.5%	43.5%
0-60	2580	76.6%	76.6%
0-90	3290	97.7%	97.7%
90-130	41	1.2%	1.2%
90-150	64	1.9%	1.9%
90-180	79	2.3%	2.3%
0-180	3369	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5755	5755	5755
5	5727	5737	5729
15	5660	5671	5648
25	5586	5579	5535
35	5464	5457	5415
45	5304	5268	5224
55	5079	5033	4982
65	4705	4655	4640
75	4170	4162	4086
85	3672	3128	2930

LUMINAIRE SECTION

LEDALITE

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