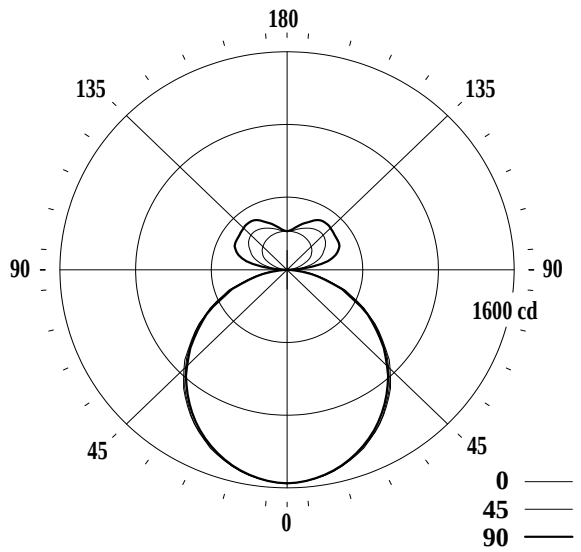
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LBAAG04**
Lamp Type:	LED	**Description:**	FLOATPLANE 75%DN 7500LM 835
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	6007 lm 100.0%
Input Watts:	120 VAC 53.7	**Up/Dn Ratio, Efficacy (lm/W):**	27% Up / 73% Dn 111.9
CIE-IES Classification:	Semi-Direct	**Report:**	LNG00058

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1567	1567	1567	1567	1567	
5	1555	1558	1554	1559	1555	148
15	1491	1502	1492	1497	1486	422
25	1376	1393	1377	1383	1365	637
35	1222	1239	1213	1223	1199	764
45	1027	1038	1011	1027	997	789
55	791	813	787	791	767	709
65	545	561	543	540	516	539
75	291	313	289	296	272	315
85	81	92	75	76	54	90
90	0	0	0	0	0	
95	22	35	73	72	107	71
105	86	96	198	278	329	204
115	161	180	278	366	408	273
125	211	248	331	388	419	287
135	240	279	360	409	433	267
145	260	293	359	413	437	221
155	273	294	338	379	392	156
165	281	289	310	334	338	88
175	283	285	287	291	292	28
180	283	283	283	283	283	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1566.6	0.0
Direct: Peak Candela & Angle (90deg)			1566.6	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.22	N/A
Indirect: Peak Candela & Angle			438.7	140.0
Indirect: Zenith Candela, Peak to Zenith			282.9	1.55
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	53.7	0.450	9.8	0.995
277V: P(W), I(A), THD(%), PF	52.5	0.193	10.4	0.982
347V: P(W), I(A), THD(%), PF	52.4	0.155	8.8	0.975

COEFFICIENTS OF UTILIZATION (%)

Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	113	113	113	113	107	107	107	96	96	96	73
1	103	98	94	90	97	93	90	84	81	79	61
2	93	85	79	73	88	81	75	74	69	65	51
3	85	75	67	61	80	71	64	65	59	54	43
4	78	66	58	52	74	63	56	57	51	46	37
5	71	59	51	44	68	56	49	51	45	40	32
6	66	53	45	38	62	51	43	46	40	35	28
7	61	48	40	34	58	46	38	42	35	31	24
8	57	44	36	30	54	42	34	38	32	27	22
9	53	40	32	27	50	38	31	35	29	25	20
10	49	37	29	24	47	35	28	33	26	22	18

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	1206	20.1%	20.1%
0-40	1971	32.8%	32.8%
0-60	3468	57.7%	57.7%
0-90	4412	73.4%	73.4%
90-130	835	13.9%	13.9%
90-150	1323	22.0%	22.0%
90-180	1595	26.6%	26.6%
0-180	6007	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	7738	7738	7738
5	7712	7707	7710
15	7626	7630	7599
25	7499	7504	7438
35	7366	7313	7229
45	7174	7065	6962
55	6814	6775	6603
65	6367	6346	6033
75	5557	5512	5183
85	4579	4245	3066

LUMINAIRE SECTION

LEDALITE

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