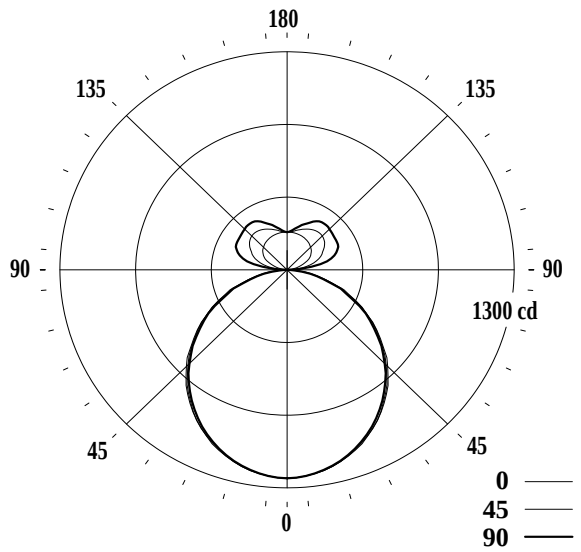
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LABAG04**
Lamp Type:	LED	**Description:**	FLOATPLANE 75%DN 6000LM 840
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4765 lm 100.0%
Input Watts:	120 VAC 42.3	**Up/Dn Ratio, Efficacy (lm/W):**	27% Up / 73% Dn 112.6
CIE-IES Classification:	Semi-Direct	**Report:**	LNG00054

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1243	1243	1243	1243	1243	
5	1234	1236	1233	1237	1234	117
15	1183	1191	1184	1187	1179	335
25	1092	1105	1092	1097	1083	505
35	969	983	962	970	951	606
45	815	824	802	815	791	626
55	628	645	624	627	608	562
65	432	445	431	428	410	428
75	231	248	229	235	216	250
85	64	73	59	60	43	71
90	0	0	0	0	0	
95	18	28	58	57	85	56
105	68	76	157	220	261	162
115	128	143	221	291	323	216
125	167	197	262	308	333	228
135	191	222	286	324	343	212
145	206	232	285	328	346	176
155	217	233	268	300	311	123
165	223	229	246	265	268	70
175	225	226	228	231	232	22
180	224	224	224	224	224	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1242.8	0.0
Direct: Peak Candela & Angle (90deg)			1242.8	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.22	N/A
Indirect: Peak Candela & Angle			348.1	140.0
Indirect: Zenith Candela, Peak to Zenith			224.4	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	0.3772	0.3749	4077	0.0001
CRI (Ra), R9			82	10
120V: P(W), I(A), THD(%), PF	42.3	0.355	7.0	0.993
277V: P(W), I(A), THD(%), PF	41.5	0.155	10.7	0.969
347V: P(W), I(A), THD(%), PF	41.4	0.122	7.2	0.977

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	957	20.1%	20.1%
0-40	1563	32.8%	32.8%
0-60	2751	57.7%	57.7%
0-90	3500	73.4%	73.4%
90-130	662	13.9%	13.9%
90-150	1050	22.0%	22.0%
90-180	1266	26.6%	26.6%
0-180	4765	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	6139	6139	6139
5	6118	6114	6116
15	6050	6053	6029
25	5949	5953	5901
35	5844	5801	5735
45	5692	5604	5523
55	5406	5374	5238
65	5051	5035	4787
75	4408	4372	4113
85	3633	3366	2431

LUMINAIRE SECTION

LEDALITE

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