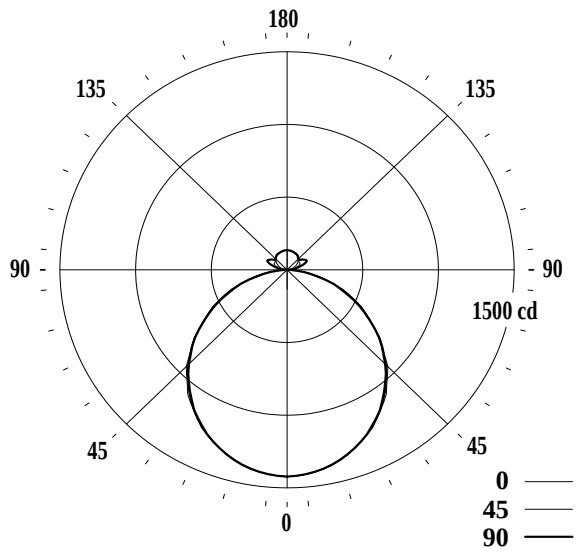
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LABAH04**
Lamp Type:	LED	**Description:**	FLOATPLANE 90%DN 6000LM 840
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4555 lm 100.0%
Input Watts:	120 VAC 42.3	**Up/Dn Ratio, Efficacy (lm/W):**	12% Up / 88% Dn 107.7
CIE-IES Classification:	Semi-Direct	**Report:**	LNG00074

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1423	1423	1423	1423	1423	
5	1412	1415	1413	1415	1412	134
15	1357	1365	1352	1358	1353	383
25	1252	1267	1250	1256	1248	579
35	1113	1117	1106	1114	1097	695
45	942	947	928	929	917	718
55	711	744	709	726	707	645
65	498	520	493	505	482	495
75	272	282	265	280	258	289
85	72	82	67	73	64	83
90	0	0	0	0	0	
95	14	13	21	18	21	20
105	35	38	63	80	86	64
115	63	68	93	130	144	95
125	86	89	96	115	124	91
135	102	103	110	105	106	82
145	116	115	118	120	121	74
155	126	125	125	125	126	58
165	132	131	131	131	131	37
175	135	135	135	134	134	13
180	135	135	135	135	135	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1422.5	0.0
Direct: Peak Candela & Angle (90deg)			1422.5	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.23	N/A
Indirect: Peak Candela & Angle			144.1	117.5
Indirect: Zenith Candela, Peak to Zenith			135.3	1.07
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	116	116	116	116	112	112	112	105	105	105	88
1	106	101	97	93	102	98	94	91	88	86	74
2	96	88	81	76	93	85	79	80	75	70	61
3	88	77	69	63	84	75	67	70	64	59	51
4	80	68	60	53	77	66	58	62	56	50	44
5	74	61	52	46	71	59	51	56	49	43	38
6	68	55	46	40	65	53	45	50	43	38	33
7	63	50	41	35	61	48	40	46	39	33	29
8	59	45	37	31	56	44	36	42	35	30	26
9	55	42	33	28	53	40	33	38	32	27	23
10	51	38	30	25	49	37	30	36	29	24	21

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	1096	24.1%	24.1%
0-40	1791	39.3%	39.3%
0-60	3154	69.2%	69.2%
0-90	4021	88.3%	88.3%
90-130	270	5.9%	5.9%
90-150	426	9.4%	9.4%
90-180	534	11.7%	11.7%
0-180	4555	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	7026	7026	7026
5	7000	7004	6999
15	6938	6912	6918
25	6825	6811	6804
35	6710	6668	6615
45	6582	6482	6403
55	6120	6106	6090
65	5815	5761	5629
75	5187	5057	4924
85	4103	3774	3599

LUMINAIRE SECTION

LEDALITE

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