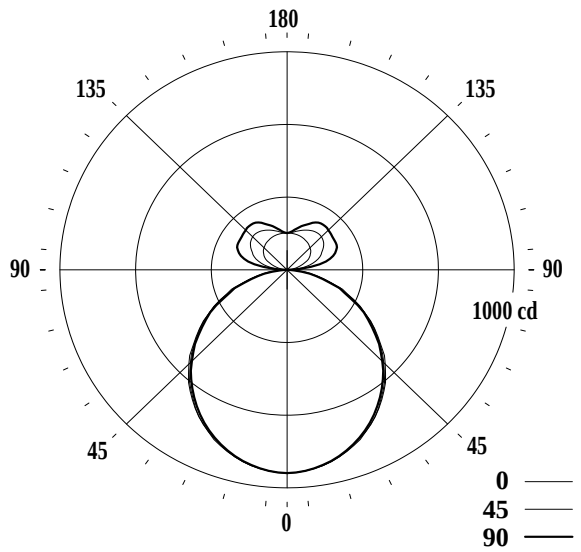
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LSCAG04**
Lamp Type:	LED	**Description:**	FLOATPLANE 75%DN 4500LM 935
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3575 lm 100.0%
Input Watts:	277 VAC 37.8	**Up/Dn Ratio, Efficacy (lm/W):**	27% Up / 73% Dn 94.6
CIE-IES Classification:	Semi-Direct	**Report:**	LNG00110

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	932	932	932	932	932	
5	926	928	925	928	926	88
15	888	894	888	891	885	251
25	819	829	820	823	812	379
35	727	738	722	728	714	455
45	611	618	602	611	593	469
55	471	484	468	471	456	422
65	324	334	323	321	307	321
75	173	186	172	176	162	187
85	48	55	45	45	32	54
90	0	0	0	0	0	
95	13	21	43	43	64	42
105	51	57	118	165	196	122
115	96	107	166	218	243	162
125	125	147	197	231	249	171
135	143	166	215	243	257	159
145	155	174	214	246	260	132
155	163	175	201	225	233	93
165	167	172	185	199	201	53
175	169	169	171	173	174	17
180	168	168	168	168	168	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			932.4	0.0
Direct: Peak Candela & Angle (90deg)			932.4	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.22	N/A
Indirect: Peak Candela & Angle			261.1	140.0
Indirect: Zenith Candela, Peak to Zenith			168.4	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)			N/A	N/A
x, y, CCT ,Duv	0.4055	0.3863	3460	-0.0020
CRI (Ra), R9			93	65
120V: P(W), I(A), THD(%), PF	37.7	0.314	6.4	0.999
277V: P(W), I(A), THD(%), PF	37.8	0.140	8.3	0.978
347V: P(W), I(A), THD(%), PF	37.0	0.109	6.5	0.979

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	718	20.1%	20.1%
0-40	1173	32.8%	32.8%
0-60	2064	57.7%	57.7%
0-90	2626	73.4%	73.4%
90-130	497	13.9%	13.9%
90-150	788	22.0%	22.0%
90-180	949	26.6%	26.6%
0-180	3575	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	4606	4606	4606
5	4590	4587	4589
15	4539	4541	4523
25	4464	4466	4427
35	4384	4352	4302
45	4270	4205	4144
55	4056	4032	3930
65	3790	3777	3592
75	3307	3281	3086
85	2726	2528	1825

LUMINAIRE SECTION

LEDALITE

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