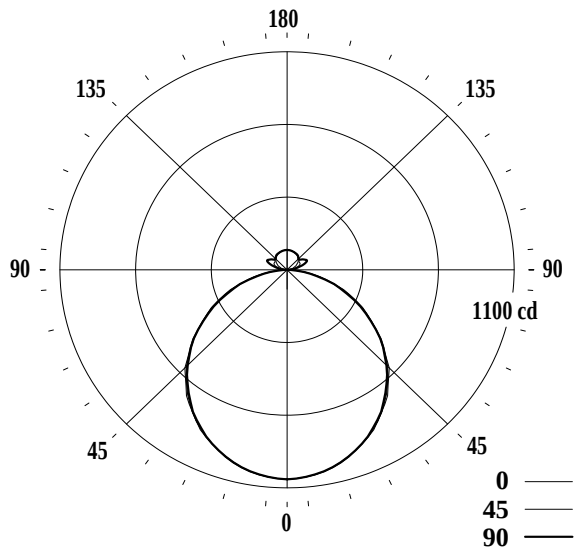
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LCCAH04**
Lamp Type:	LED	**Description:**	FLOATPLANE 90%DN 4500LM 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3384 lm 100.0%
Input Watts:	277 VAC 31.5	**Up/Dn Ratio, Efficacy (lm/W):**	12% Up / 88% Dn 107.4
CIE-IES Classification:	Semi-Direct	**Report:**	LNG00067

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1057	1057	1057	1057	1057	
5	1049	1051	1049	1051	1049	100
15	1008	1014	1004	1009	1005	285
25	930	941	928	933	927	430
35	827	830	821	827	815	516
45	700	704	689	690	681	534
55	528	553	527	540	525	479
65	370	386	366	375	358	368
75	202	209	197	208	192	214
85	54	61	50	54	47	62
90	0	0	0	0	0	
95	10	10	16	13	16	15
105	26	28	47	59	64	48
115	47	51	69	97	107	71
125	64	66	71	85	92	67
135	76	77	82	78	79	61
145	86	86	88	89	90	55
155	94	93	93	93	94	43
165	98	98	97	97	98	28
175	100	100	100	100	100	10
180	101	101	101	101	101	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1056.8	0.0
Direct: Peak Candela & Angle (90deg)			1056.8	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.23	N/A
Indirect: Peak Candela & Angle			107.0	117.5
Indirect: Zenith Candela, Peak to Zenith			100.5	1.06
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	0.4285	0.4003	3117	-0.0003
CRI (Ra), R9			83	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	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	814	24.1%	24.1%
0-40	1330	39.3%	39.3%
0-60	2343	69.2%	69.2%
0-90	2987	88.3%	88.3%
90-130	201	5.9%	5.9%
90-150	317	9.4%	9.4%
90-180	397	11.7%	11.7%
0-180	3384	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5220	5220	5220
5	5200	5203	5199
15	5155	5135	5139
25	5070	5060	5054
35	4984	4953	4914
45	4890	4815	4757
55	4547	4536	4525
65	4320	4279	4181
75	3853	3758	3658
85	3049	2805	2675

LUMINAIRE SECTION

LEDALITE

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