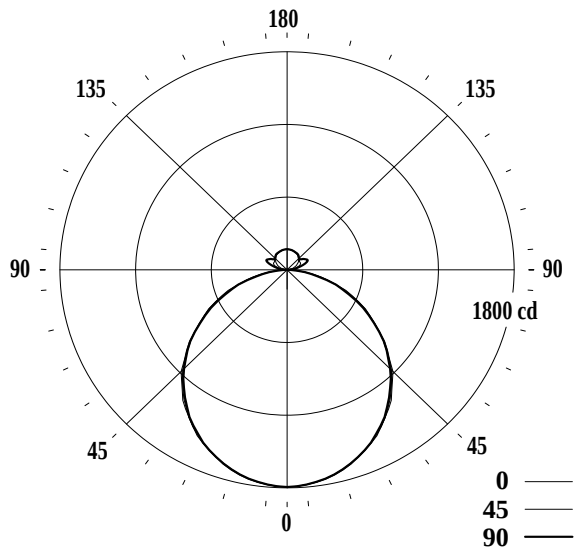
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LBAAH04**
Lamp Type:	LED	**Description:**	FLOATPLANE 90%DN 7500LM 835
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	5741 lm 100.0%
Input Watts:	120 VAC 53.7	**Up/Dn Ratio, Efficacy (lm/W):**	12% Up / 88% Dn 106.9
CIE-IES Classification:	Semi-Direct	**Report:**	LNG00078

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1793	1793	1793	1793	1793	
5	1779	1783	1781	1783	1779	169
15	1710	1721	1704	1712	1705	483
25	1579	1597	1575	1583	1574	729
35	1403	1408	1394	1404	1383	876
45	1188	1194	1170	1172	1156	906
55	896	938	894	916	892	813
65	627	655	621	636	607	624
75	343	355	334	353	325	364
85	91	103	84	92	80	105
90	0	0	0	0	0	
95	17	16	27	23	27	26
105	44	48	80	101	109	81
115	79	86	118	164	181	120
125	108	112	121	144	157	114
135	129	130	139	132	133	103
145	146	146	149	152	153	93
155	159	158	158	158	159	73
165	166	165	165	165	166	47
175	170	170	170	169	169	16
180	171	171	171	171	171	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1793.1	0.0
Direct: Peak Candela & Angle (90deg)			1793.1	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.23	N/A
Indirect: Peak Candela & Angle			181.6	117.5
Indirect: Zenith Candela, Peak to Zenith			170.5	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	0.4036	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	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	1381	24.1%	24.1%
0-40	2257	39.3%	39.3%
0-60	3976	69.2%	69.2%
0-90	5068	88.3%	88.3%
90-130	341	5.9%	5.9%
90-150	537	9.4%	9.4%
90-180	673	11.7%	11.7%
0-180	5741	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	8857	8857	8857
5	8823	8828	8822
15	8746	8713	8720
25	8603	8585	8576
35	8458	8404	8338
45	8297	8170	8072
55	7714	7696	7677
65	7329	7262	7094
75	6538	6374	6206
85	5174	4761	4534

LUMINAIRE SECTION

LEDALITE

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