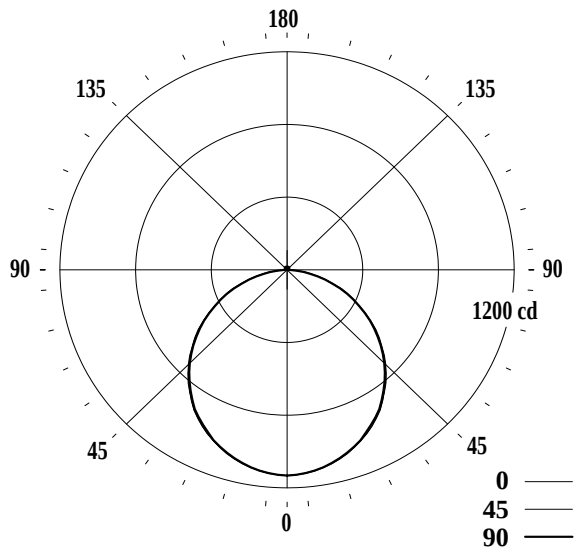
LEDALITE - FLOATPLANE

TEST DATE:	17 Sep 2019	**CATALOG NO:**	**24x5LCCAJ04**
Lamp Type:	LED	**Description:**	FLOATPLANE 100%DN 4500LM 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3274 lm 100.0%
Input Watts:	277 VAC 31.5	**Up/Dn Ratio, Efficacy (lm/W):**	2% Up / 98% Dn 103.9
CIE-IES Classification:	Direct	**Report:**	LNG00087

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1132	1132	1132	1132	1132	
5	1123	1127	1125	1126	1123	107
15	1076	1087	1078	1083	1073	305
25	996	1005	995	1000	987	460
35	881	894	880	883	873	553
45	738	757	733	738	727	571
55	573	586	568	573	562	513
65	391	408	387	400	386	393
75	212	224	212	214	208	230
85	63	68	54	60	50	68
90	0	0	0	0	0	
95	6	5	6	6	7	6
105	9	9	9	9	9	9
115	11	12	12	12	11	12
125	13	14	15	14	13	13
135	14	16	17	16	16	12
145	16	16	17	18	18	11
155	17	17	17	18	18	8
165	17	16	17	18	17	5
175	18	17	17	17	17	2
180	18	18	18	18	18	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			1132.3	0.0
Direct: Peak Candela & Angle (90deg)			1132.3	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.24	1.23	N/A
Indirect: Peak Candela & Angle			18.4	150.0
Indirect: Zenith Candela, Peak to Zenith			17.7	1.04
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	118	118	118	118	115	115	115	110	110	110	98
1	108	103	99	95	105	101	97	96	93	90	81
2	98	90	83	77	95	88	81	84	79	74	68
3	89	79	71	64	87	77	69	74	67	62	57
4	82	70	61	54	79	68	60	65	58	53	49
5	75	62	53	47	73	61	53	59	51	46	42
6	69	56	47	41	67	55	47	53	45	40	37
7	64	51	42	36	63	50	42	48	41	35	32
8	60	46	38	32	58	46	37	44	37	31	29
9	56	43	34	29	54	42	34	41	33	28	26
10	52	39	31	26	51	39	31	37	31	26	23

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	872	26.6%	26.6%
0-40	1424	43.5%	43.5%
0-60	2508	76.6%	76.6%
0-90	3197	97.7%	97.7%
90-130	40	1.2%	1.2%
90-150	63	1.9%	1.9%
90-180	77	2.3%	2.3%
0-180	3274	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5593	5593	5593
5	5566	5576	5568
15	5501	5511	5488
25	5429	5422	5379
35	5310	5304	5263
45	5155	5120	5078
55	4936	4891	4842
65	4573	4524	4510
75	4054	4046	3971
85	3570	3038	2851

LUMINAIRE SECTION

LEDALITE

Ledalite
19750 - 92A Avenue
Langley, BC
CANADA V1M 3B2
Phone: 604-888-6811
Fax: 800-665-5332
604-888-2003