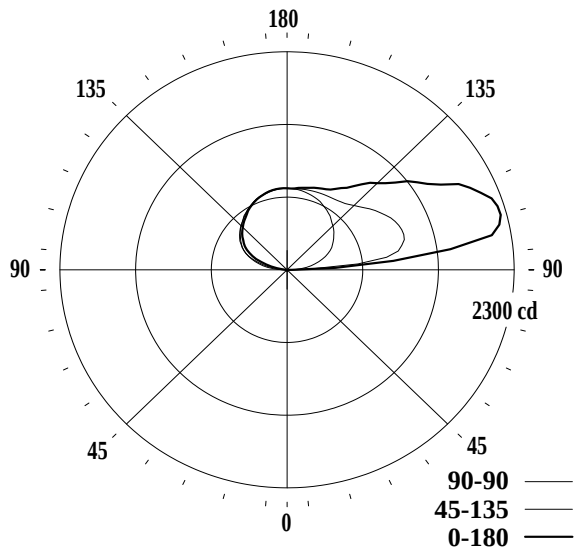
LEDALITE - TRUGROOVE COVE

TEST DATE:	26 Nov 2019	**CATALOG NO:**	**TC08L83050LN04xDE**
Lamp Type:	LED	**Description:**	TRUGROOVE COVE FILL 5000LM 830
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4637 lm 100.0%
Input Watts:	120 VAC 39.1	**Up/Dn Ratio, Efficacy (lm/W):**	99% Up / 1% Dn 118.6
CIE-IES Classification:	Indirect	**Report:**	LNG00709

CANDELA DISTRIBUTION

	0	45	90	135	180	Flux Lumens
0	5	5	5	5	5	
5	5	5	5	5	6	1
15	3	4	5	4	4	1
25	2	3	4	3	3	2
35	1	4	5	4	3	3
45	0	6	7	5	2	4
55	0	8	8	7	3	6
65	0	12	11	9	4	9
75	0	16	12	12	5	12
85	0	22	13	13	5	19
90	50	83	31	15	5	
95	1081	722	141	37	18	348
105	2241	1230	333	300	219	798
115	2045	1208	481	483	420	843
125	1610	1090	577	586	541	748
135	1294	960	657	659	634	629
145	1056	892	731	727	712	510
155	937	877	794	793	788	384
165	896	869	832	840	837	241
175	862	857	857	861	861	82
180	860	860	860	860	860	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1	Meets RP-1-12 recommendations for VDT-Critical spaces			
Direct: Peak Candela & Angle (0deg)			49.9	90.0
Direct: Peak Candela & Angle (180deg)			5.5	5.0
Spacing Criteria (0deg, 90deg, 180deg)		0.65	1.85	0.76
Indirect: Peak Candela & Angle			2240.7	105.0
Indirect: Zenith Candela, Peak to Zenith			860.3	2.60
Luminous Length, Width, Height (ft)		0.35	4.00	0.02
UGR (4H x 8H, 0.25H)				N/A
Melanopic Ratio				N/A
DLC (120/277), DLC (347)			N/A	N/A
x, y, CCT ,Duv	0.4261	0.3984	3144	0.0007
CRI (Ra), R9			83	9
120V: P(W), I(A), THD(%), PF	39.1	0.350	5.9	0.997
277V: P(W), I(A), THD(%), PF	39.0	0.150	8.7	0.967
347V: P(W), I(A), THD(%), PF	39.9	0.130	6.2	0.972

COEFFICIENTS OF UTILIZATION (%)

Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	96	96	96	96	82	82	82	56	56	56	1
1	87	83	79	76	74	71	68	49	47	45	1
2	79	72	66	61	67	62	57	42	40	37	0
3	72	63	56	51	61	54	49	37	34	31	0
4	65	56	48	43	56	48	42	33	29	26	0
5	60	49	42	36	51	42	36	29	25	22	0
6	55	44	36	31	47	38	31	26	22	19	0
7	50	39	32	27	43	34	28	23	19	17	0
8	47	35	28	23	40	30	24	21	17	14	0
9	43	32	25	20	37	27	22	19	15	13	0
10	40	29	22	18	34	25	19	17	14	11	0

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	3	0.1%	0.1%
0-40	6	0.1%	0.1%
0-60	15	0.3%	0.3%
0-90	55	1.2%	1.2%
90-130	2736	59.0%	59.0%
90-150	3875	83.6%	83.6%
90-180	4583	98.8%	98.8%
0-180	4637	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	90	180
0	38	38	38
5	37	40	42
15	27	36	30
25	16	37	26
35	7	50	24
45	0	71	23
55	0	112	37
65	0	189	62
75	0	350	117
85	0	1068	267

LUMINAIRE SECTION

LEDALITE

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