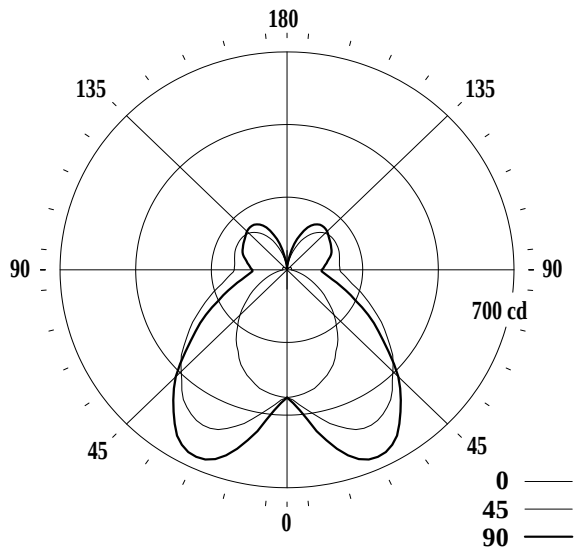
LEDALITE - MODIFLY

TEST DATE:	09 Apr 2019	**CATALOG NO:**	**MFxSL84025QN04**
Lamp Type:	LED	**Description:**	MODIFLY SUSPENDED 4FT 2500LM 840
No. of Lamps:	4		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	2594 lm 100.0%
Input Watts:	277 VAC 19.3	**Up/Dn Ratio, Efficacy (lm/W):**	28% Up / 72% Dn 134.4
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	MF-EI-10 T20190206 S07412-H

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	410	410	410	410	410	
5	405	415	435	456	453	42
15	380	429	511	581	595	143
25	336	424	562	639	663	244
35	274	393	539	589	604	306
45	206	333	462	483	486	313
55	140	262	378	354	345	278
65	83	210	292	249	233	226
75	42	171	221	175	159	177
85	17	141	175	130	114	140
90	13	131	163	117	107	
95	12	124	162	114	115	127
105	14	115	167	129	133	128
115	15	110	173	142	151	126
125	13	104	174	151	161	116
135	10	92	167	160	175	99
145	8	72	144	157	177	73
155	6	47	104	127	150	41
165	5	22	51	75	87	14
175	5	6	10	17	17	2
180	5	5	5	5	5	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			410.3	0.0
Direct: Peak Candela & Angle (90deg)			662.7	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.12	1.84	N/A
Indirect: Peak Candela & Angle			178.2	142.5
Indirect: Zenith Candela, Peak to Zenith			4.6	38.92
Luminous Length, Width, Height (ft)		3.97	0.18	0.20
UGR (4H x 8H, 0.25H)				19.1
Ballast Factor, Multiplication Factor			1.000	1.272
DLC (120/277), DLC (347)			Premium	Premium
x, y, CCT ,Duv	0.3853	0.3831	3918	0.0016
CRI (Ra), R9			81	4
120V: P(W), I(A), THD(%), PF	19.2	0.162	9.0	0.990
277V: P(W), I(A), THD(%), PF	19.3	0.073	17.6	0.950
347V: P(W), I(A), THD(%), PF	19.7	0.059	10.3	0.967

COEFFICIENTS OF UTILIZATION (%)

Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	112	112	112	112	107	107	107	96	96	96	72
1	101	95	90	86	95	90	86	81	77	74	56
2	91	82	75	69	86	78	71	70	65	60	46
3	83	72	63	57	78	68	60	61	55	50	38
4	75	63	54	48	71	60	52	54	47	42	32
5	69	56	47	41	65	53	45	48	41	36	27
6	64	50	41	35	60	48	40	43	36	31	24
7	59	45	37	31	55	43	35	39	32	27	21
8	55	41	33	27	51	39	31	36	29	24	19
9	51	38	29	24	48	36	28	33	26	22	17
10	47	34	27	22	45	33	26	30	24	19	15

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	429	16.5%	16.5%
0-40	734	28.3%	28.3%
0-60	1325	51.1%	51.1%
0-90	1869	72.0%	72.0%
90-130	497	19.2%	19.2%
90-150	668	25.8%	25.8%
90-180	725	28.0%	28.0%
0-180	2594	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	6178	6178	6178
5	6094	6136	6237
15	5847	6528	7147
25	5460	6748	7252
35	4861	6286	6243
45	4165	5396	4898
55	3418	4562	3497
65	2659	3769	2453
75	2075	3168	1792
85	1911	2916	1434

LUMINAIRE SECTION

LEDALITE

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