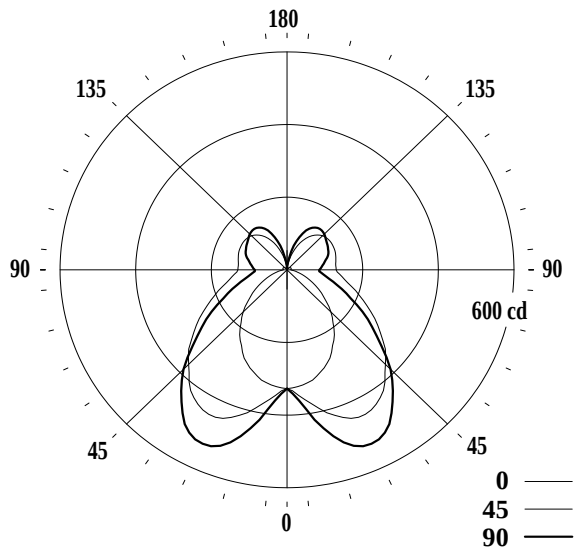
LEDALITE - MODIFLY

TEST DATE:	09 Apr 2019	**CATALOG NO:**	**MFxSL84020QN04**
Lamp Type:	LED	**Description:**	MODIFLY SUSPENDED 4FT 2000LM 840
No. of Lamps:	4		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	2068 lm 100.0%
Input Watts:	277 VAC 15.7	**Up/Dn Ratio, Efficacy (lm/W):**	28% Up / 72% Dn 131.7
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	MF-EI-09 T20190206 S07412-G

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	327	327	327	327	327	
5	323	331	347	363	361	34
15	303	342	407	463	474	114
25	268	338	448	510	528	195
35	218	313	429	469	481	244
45	164	265	368	385	387	249
55	111	209	301	283	275	221
65	66	168	233	199	186	180
75	34	136	177	140	126	141
85	14	112	140	103	91	112
90	10	104	130	93	85	
95	10	99	129	91	92	102
105	11	91	134	103	106	102
115	12	88	138	113	121	100
125	11	83	138	121	129	92
135	8	73	133	127	140	79
145	6	57	115	125	141	58
155	5	37	83	101	120	33
165	4	18	41	60	69	11
175	4	5	8	13	14	1
180	4	4	4	4	4	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			327.1	0.0
Direct: Peak Candela & Angle (90deg)			528.3	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.12	1.84	N/A
Indirect: Peak Candela & Angle			142.1	142.5
Indirect: Zenith Candela, Peak to Zenith			3.7	38.92
Luminous Length, Width, Height (ft)		3.97	0.18	0.20
UGR (4H x 8H, 0.25H)				18.3
Ballast Factor, Multiplication Factor			1.000	1.014
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	15.5	0.130	12.0	0.990
277V: P(W), I(A), THD(%), PF	15.7	0.061	17.6	0.930
347V: P(W), I(A), THD(%), PF	16.0	0.048	11.5	0.954

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	342	16.5%	16.5%
0-40	586	28.3%	28.3%
0-60	1056	51.1%	51.1%
0-90	1490	72.0%	72.0%
90-130	396	19.2%	19.2%
90-150	533	25.8%	25.8%
90-180	578	28.0%	28.0%
0-180	2068	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	4925	4925	4925
5	4858	4891	4972
15	4661	5204	5698
25	4353	5379	5782
35	3875	5011	4977
45	3321	4302	3905
55	2725	3637	2788
65	2120	3005	1956
75	1654	2526	1428
85	1523	2324	1143

LUMINAIRE SECTION

LEDALITE

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