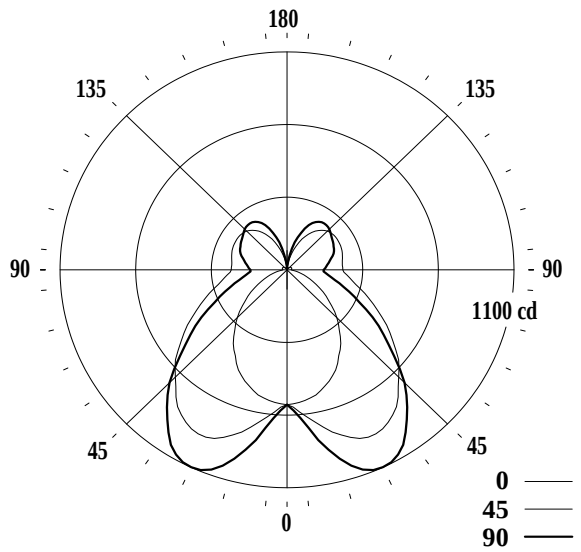
LEDALITE - MODIFLY

TEST DATE:	09 Apr 2019	**CATALOG NO:**	**MFxSL83045QN04**
Lamp Type:	LED	**Description:**	MODIFLY SUSPENDED 4FT 4500LM 830
No. of Lamps:	4		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4303 lm 100.0%
Input Watts:	120 VAC 35.4	**Up/Dn Ratio, Efficacy (lm/W):**	28% Up / 72% Dn 121.6
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	MF-EI-14 T20190229 S07412-7

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	681	681	681	681	681	
5	672	688	722	756	751	70
15	631	712	848	963	987	236
25	558	703	932	1061	1099	405
35	454	651	894	977	1002	507
45	341	552	766	802	806	519
55	232	434	626	588	572	461
65	137	349	485	413	386	375
75	70	284	367	291	263	294
85	29	234	291	215	189	233
90	21	217	270	194	178	
95	20	206	269	190	191	211
105	23	190	278	214	221	213
115	24	183	287	236	251	209
125	22	173	288	251	268	192
135	17	152	277	265	290	163
145	13	119	239	260	294	121
155	11	78	172	210	249	69
165	8	37	84	124	144	24
175	8	10	16	28	29	3
180	8	8	8	8	8	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			680.6	0.0
Direct: Peak Candela & Angle (90deg)			1099.3	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.12	1.84	N/A
Indirect: Peak Candela & Angle			295.7	142.5
Indirect: Zenith Candela, Peak to Zenith			7.6	38.92
Luminous Length, Width, Height (ft)		3.97	0.18	0.20
UGR (4H x 8H, 0.25H)				20.9
Ballast Factor, Multiplication Factor			1.000	2.110
DLC (120/277), DLC (347)			Standard	Standard
x, y, CCT ,Duv	0.4348	0.4010	3010	-0.0010
CRI (Ra), R9			83	10
120V: P(W), I(A), THD(%), PF	35.4	0.298	5.0	0.990
277V: P(W), I(A), THD(%), PF	34.8	0.128	10.0	0.980
347V: P(W), I(A), THD(%), PF	34.5	0.100	6.0	0.992

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	712	16.5%	16.5%
0-40	1218	28.3%	28.3%
0-60	2198	51.1%	51.1%
0-90	3100	72.0%	72.0%
90-130	825	19.2%	19.2%
90-150	1109	25.8%	25.8%
90-180	1203	28.0%	28.0%
0-180	4303	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	10248	10248	10248
5	10108	10177	10346
15	9699	10828	11856
25	9057	11193	12030
35	8063	10427	10357
45	6909	8951	8125
55	5669	7567	5802
65	4411	6252	4070
75	3441	5255	2972
85	3170	4837	2379

LUMINAIRE SECTION

LEDALITE

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