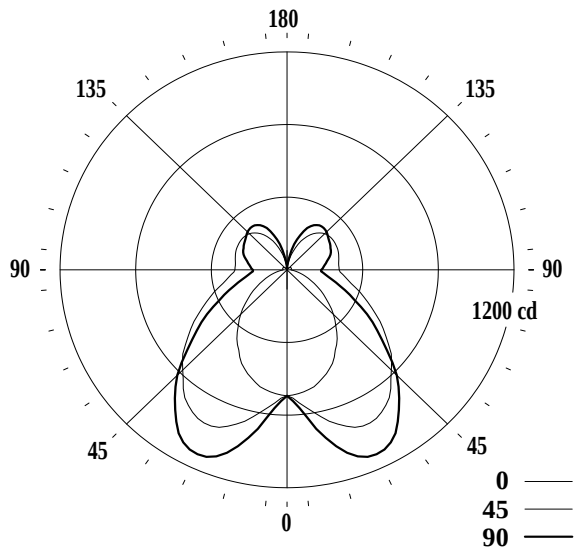
LEDALITE - MODIFLY

TEST DATE:	09 Apr 2019	**CATALOG NO:**	**MFxSL83545QN04**
Lamp Type:	LED	**Description:**	MODIFLY SUSPENDED 4FT 4500LM 835
No. of Lamps:	4		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4384 lm 100.0%
Input Watts:	120 VAC 35.4	**Up/Dn Ratio, Efficacy (lm/W):**	28% Up / 72% Dn 123.8
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	MF-EI-14 T20190203 S07412-E

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	693	693	693	693	693	
5	684	701	735	770	765	72
15	642	725	864	981	1006	241
25	569	716	949	1081	1120	413
35	463	664	910	995	1021	516
45	347	562	780	817	821	529
55	236	442	638	599	583	469
65	140	355	494	421	394	383
75	72	289	374	297	268	299
85	30	238	296	219	192	237
90	22	221	275	197	181	
95	20	210	274	193	194	215
105	24	194	283	218	225	217
115	25	187	292	240	256	213
125	23	177	294	256	273	196
135	17	155	282	270	296	166
145	13	122	243	265	299	123
155	11	79	175	214	254	70
165	8	38	86	126	146	24
175	8	11	16	28	29	3
180	8	8	8	8	8	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			693.4	0.0
Direct: Peak Candela & Angle (90deg)			1120.0	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.12	1.84	N/A
Indirect: Peak Candela & Angle			301.2	142.5
Indirect: Zenith Candela, Peak to Zenith			7.7	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	2.150
DLC (120/277), DLC (347)			Standard	Premium
x, y, CCT ,Duv	0.4093	0.3910	3417	-0.0007
CRI (Ra), R9			84	11
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	725	16.5%	16.5%
0-40	1241	28.3%	28.3%
0-60	2239	51.1%	51.1%
0-90	3158	72.0%	72.0%
90-130	840	19.2%	19.2%
90-150	1129	25.8%	25.8%
90-180	1226	28.0%	28.0%
0-180	4384	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	10441	10441	10441
5	10299	10369	10541
15	9881	11033	12080
25	9228	11404	12257
35	8215	10624	10552
45	7040	9120	8278
55	5776	7710	5911
65	4494	6370	4146
75	3506	5354	3028
85	3229	4928	2424

LUMINAIRE SECTION

LEDALITE

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