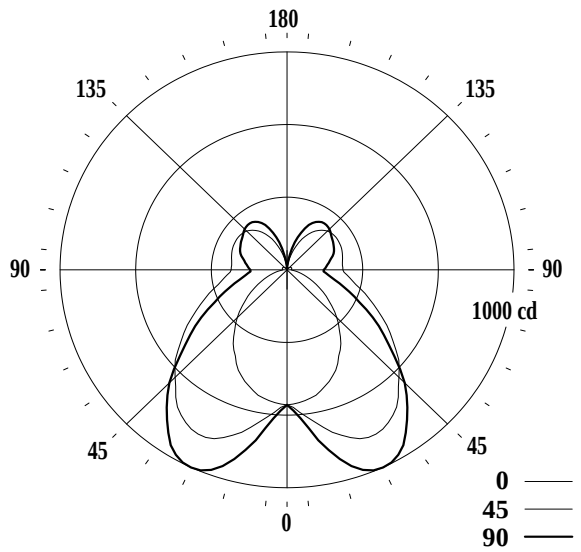
LEDALITE - MODIFLY

TEST DATE:	09 Apr 2019	**CATALOG NO:**	**MFxSL83540QN04**
Lamp Type:	LED	**Description:**	MODIFLY SUSPENDED 4FT 4000LM 835
No. of Lamps:	4		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3918 lm 100.0%
Input Watts:	120 VAC 31.4	**Up/Dn Ratio, Efficacy (lm/W):**	28% Up / 72% Dn 124.8
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	MF-EI-13 T20190203 S07412-D

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	620	620	620	620	620	
5	612	627	657	688	684	64
15	574	648	772	877	899	215
25	508	640	848	966	1001	369
35	414	593	814	889	912	461
45	310	502	697	730	733	472
55	211	395	570	535	521	420
65	125	318	441	376	352	342
75	64	258	334	265	239	268
85	26	213	265	196	172	212
90	19	198	246	176	162	
95	18	188	245	173	174	192
105	21	173	253	195	201	194
115	22	167	261	215	229	190
125	20	158	262	229	244	175
135	16	138	252	241	264	149
145	12	109	218	236	267	110
155	10	71	156	191	227	62
165	7	34	77	113	131	21
175	7	9	15	25	26	2
180	7	7	7	7	7	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			619.7	0.0
Direct: Peak Candela & Angle (90deg)			1000.9	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.12	1.84	N/A
Indirect: Peak Candela & Angle			269.2	142.5
Indirect: Zenith Candela, Peak to Zenith			6.9	38.92
Luminous Length, Width, Height (ft)		3.97	0.18	0.20
UGR (4H x 8H, 0.25H)				20.6
Ballast Factor, Multiplication Factor			1.000	1.922
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	31.4	0.264	5.0	0.990
277V: P(W), I(A), THD(%), PF	30.9	0.115	11.0	0.970
347V: P(W), I(A), THD(%), PF	30.6	0.089	6.8	0.989

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	648	16.5%	16.5%
0-40	1109	28.3%	28.3%
0-60	2001	51.1%	51.1%
0-90	2823	72.0%	72.0%
90-130	751	19.2%	19.2%
90-150	1009	25.8%	25.8%
90-180	1095	28.0%	28.0%
0-180	3918	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	9331	9331	9331
5	9204	9267	9421
15	8831	9860	10795
25	8247	10191	10954
35	7342	9495	9430
45	6291	8151	7398
55	5162	6890	5282
65	4016	5693	3706
75	3133	4785	2706
85	2886	4404	2166

LUMINAIRE SECTION

LEDALITE

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