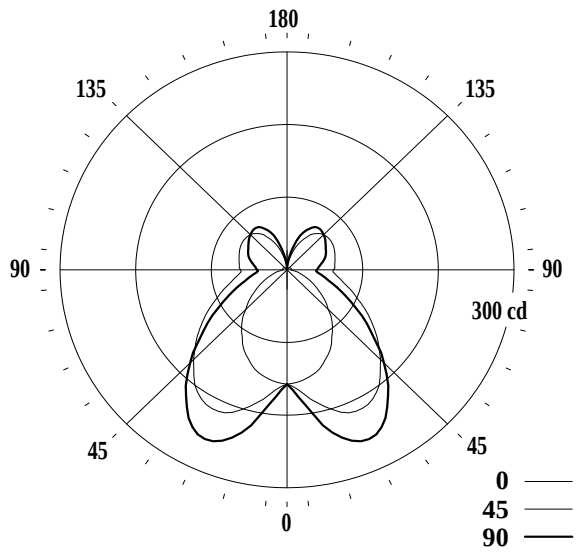
LEDALITE - MODIFLY

TEST DATE:	09 Apr 2019	**CATALOG NO:**	**MFxSL83520QN02**
Lamp Type:	LED	**Description:**	MODIFLY SUSPENDED 2FT 2000LM 835
No. of Lamps:	2		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	983 lm 100.0%
Input Watts:	277 VAC 9.3	**Up/Dn Ratio, Efficacy (lm/W):**	28% Up / 72% Dn 105.7
CIE-IES Classification:	Semi-Direct	**Report (Ele, Col, Photo):**	MF-EI-02 T20190203 S07411-9

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	157	157	157	157	157	
5	155	159	165	177	176	16
15	146	164	195	225	232	55
25	129	163	215	246	257	94
35	105	150	206	227	231	117
45	77	127	175	181	181	118
55	52	100	141	133	129	104
65	32	78	108	91	86	84
75	17	64	81	63	57	65
85	7	52	64	47	40	51
90	5	48	61	42	39	
95	5	46	63	41	42	48
105	6	42	66	47	50	48
115	6	42	69	52	57	48
125	5	40	70	57	62	45
135	4	35	69	61	68	39
145	3	28	60	60	71	29
155	3	18	43	50	60	17
165	2	9	21	29	34	6
175	2	3	4	6	8	1
180	2	2	2	2	2	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			157.3	0.0
Direct: Peak Candela & Angle (90deg)			256.9	25.0
Spacing Criteria (0deg, 90deg, 180deg)		1.13	1.83	N/A
Indirect: Peak Candela & Angle			71.1	142.5
Indirect: Zenith Candela, Peak to Zenith			1.8	39.53
Luminous Length, Width, Height (ft)		2.01	0.18	0.20
UGR (4H x 8H, 0.25H)				17.8
Ballast Factor, Multiplication Factor			1.000	0.473
DLC (120/277), DLC (347)			N/A	N/A
x, y, CCT ,Duv	0.4093	0.3910	3417	-0.0007
CRI (Ra), R9			84	11
120V: P(W), I(A), THD(%), PF	8.9	0.076	17.0	0.970
277V: P(W), I(A), THD(%), PF	9.3	0.040	34.0	0.830
347V: P(W), I(A), THD(%), PF	9.3	0.030	15.0	0.896

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	106	106	106	95	95	95	72
1	101	95	91	86	95	90	86	81	77	74	56
2	91	82	75	69	86	78	72	70	65	60	46
3	83	72	64	57	78	68	61	61	55	50	38
4	75	63	55	48	71	60	52	54	48	42	32
5	69	56	47	41	65	54	45	48	42	36	28
6	64	51	42	35	60	48	40	43	37	32	24
7	59	46	37	31	55	43	35	39	33	28	21
8	55	41	33	27	52	39	32	36	29	25	19
9	51	38	30	24	48	36	29	33	26	22	17
10	48	35	27	22	45	33	26	30	24	20	15

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	165	16.8%	16.8%
0-40	282	28.7%	28.7%
0-60	504	51.3%	51.3%
0-90	704	71.6%	71.6%
90-130	189	19.2%	19.2%
90-150	256	26.1%	26.1%
90-180	279	28.4%	28.4%
0-180	983	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	4679	4679	4679
5	4596	4593	4792
15	4391	4886	5503
25	4033	5041	5554
35	3549	4674	4710
45	2949	3963	3608
55	2374	3282	2579
65	1847	2667	1781
75	1412	2207	1267
85	1133	2014	1002

LUMINAIRE SECTION

LEDALITE

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