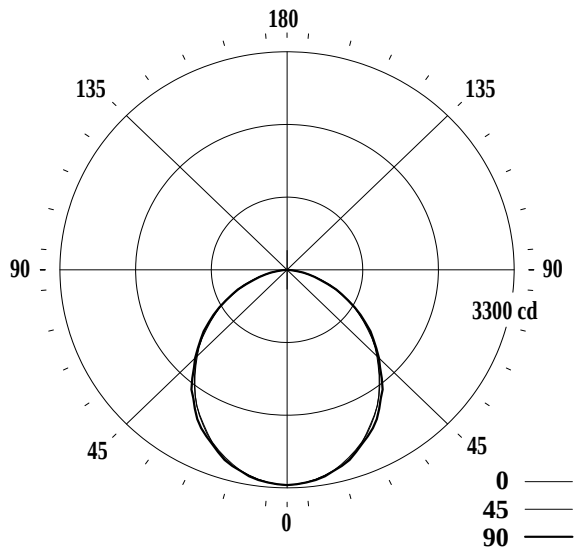
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL83580AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 8000LM 835
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	8077 lm 100.0%
Input Watts:	120 VAC 62.5	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 129.2
CIE-IES Classification:	Direct	**Report:**	LNG00527

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	3258	3258	3258	3258	3258	
5	3227	3238	3229	3239	3231	307
15	3068	3066	3048	3082	3073	864
25	2731	2778	2745	2804	2778	1275
35	2325	2388	2328	2403	2374	1479
45	1846	1894	1863	1937	1889	1457
55	1353	1405	1376	1421	1388	1243
65	868	916	862	911	881	884
75	435	457	421	446	413	462
85	80	96	76	87	63	106
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

POLAR CANDELA PLOT



CHARACTERISTICS

RP1				None
Direct: Peak Candela & Angle (0deg)			3257.8	0.0
Direct: Peak Candela & Angle (90deg)			3257.8	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.17	1.19	N/A
Indirect: Peak Candela & Angle			N/A	N/A
Indirect: Zenith Candela, Peak to Zenith			N/A	N/A
Luminous Length, Width, Height (ft)		3.90	1.91	0.00
UGR (4H x 8H, 0.25H)				20.1
Ballast Factor, Multiplication Factor			1.000	1.000
DLC (120/277), DLC (347)			premium	premium
x, y, CCT ,Duv	0.4061	0.3934	3505	0.0010
CRI (Ra), R9			82	9
120V: P(W), I(A), THD(%), PF	62.5	0.522	8.2	0.996
277V: P(W), I(A), THD(%), PF	61.7	0.226	9.3	0.985
347V: P(W), I(A), THD(%), PF	62.4	0.184	9.1	0.977

COEFFICIENTS OF UTILIZATION (%)

Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	105	101	97	107	103	99	98	95	93	85
2	100	92	85	80	97	90	84	87	82	77	72
3	91	81	73	67	89	80	72	77	70	65	61
4	84	72	64	57	82	71	63	68	62	56	52
5	77	65	56	50	75	64	55	62	54	49	46
6	71	58	50	43	70	58	49	56	48	43	40
7	66	53	45	39	65	52	44	51	44	38	36
8	62	49	40	35	60	48	40	47	39	34	32
9	58	45	37	31	56	44	36	43	36	31	29
10	54	41	34	28	53	41	33	40	33	28	26

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	2446	30.3%	30.3%
0-40	3925	48.6%	48.6%
0-60	6625	82.0%	82.0%
0-90	8077	100.0%	100.0%
90-130	0	0.0%	0.0%
90-150	0	0.0%	0.0%
90-180	0	0.0%	0.0%
0-180	8077	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	4706	4706	4706
5	4680	4681	4685
15	4588	4558	4595
25	4353	4376	4428
35	4099	4105	4187
45	3770	3806	3859
55	3407	3464	3494
65	2966	2947	3010
75	2427	2349	2303
85	1319	1266	1036

LUMINAIRE SECTION

LEDALITE

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