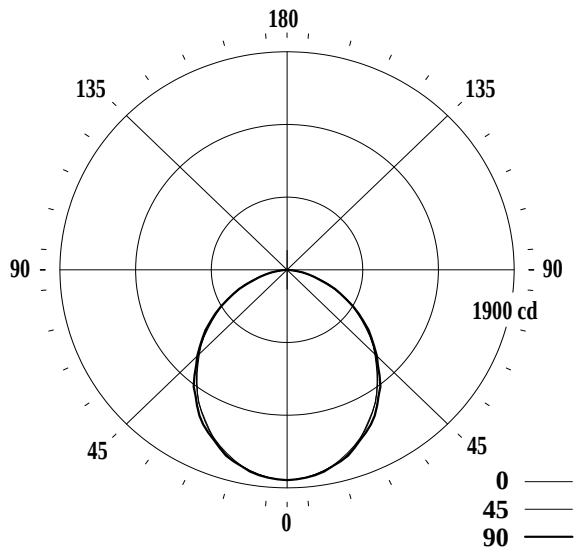
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL83545AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 4500LM 835
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4544 lm 100.0%
Input Watts:	120 VAC 33.3	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 136.5
CIE-IES Classification:	Direct	**Report:**	LNG00520

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1833	1833	1833	1833	1833	
5	1816	1821	1816	1822	1818	173
15	1726	1725	1715	1734	1728	486
25	1536	1563	1544	1578	1563	717
35	1308	1343	1310	1352	1336	832
45	1038	1065	1048	1090	1063	819
55	761	791	774	800	781	699
65	488	515	485	512	495	497
75	245	257	237	251	232	260
85	45	54	43	49	35	60
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)			1832.6	0.0
Direct: Peak Candela & Angle (90deg)			1832.6	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)				18.1
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	33.3	0.279	6.0	0.995
277V: P(W), I(A), THD(%), PF	33.2	0.125	8.7	0.958
347V: P(W), I(A), THD(%), PF	33.9	0.101	7.1	0.967

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	1376	30.3%	30.3%
0-40	2208	48.6%	48.6%
0-60	3727	82.0%	82.0%
0-90	4544	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	4544	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2647	2647	2647
5	2632	2634	2635
15	2581	2564	2585
25	2449	2461	2491
35	2306	2309	2355
45	2121	2141	2171
55	1917	1949	1966
65	1668	1658	1693
75	1365	1322	1295
85	742	713	582

LUMINAIRE SECTION

LEDALITE

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