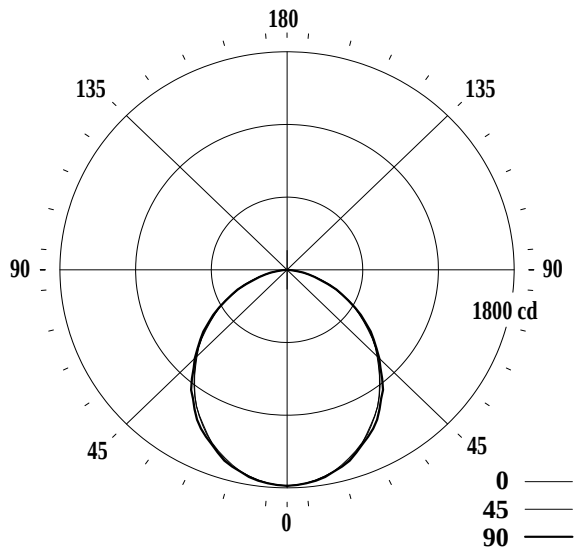
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL83045AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 4500LM 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4421 lm 100.0%
Input Watts:	120 VAC 33.3	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 132.8
CIE-IES Classification:	Direct	**Report:**	LNG00511

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1783	1783	1783	1783	1783	
5	1767	1772	1767	1773	1769	168
15	1680	1678	1668	1687	1682	473
25	1495	1521	1503	1535	1521	698
35	1273	1307	1274	1315	1300	810
45	1010	1037	1020	1060	1034	797
55	741	769	753	778	760	681
65	475	501	472	499	482	484
75	238	250	230	244	226	253
85	44	53	42	48	34	58
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)			1783.3	0.0
Direct: Peak Candela & Angle (90deg)			1783.3	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)				N/A
Ballast Factor, Multiplication Factor			1.000	1.000
DLC (120/277), DLC (347)			premium	premium
x, y, CCT ,Duv	0.4288	0.4004	3112	0.0003
CRI (Ra), R9			83	11
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	1339	30.3%	30.3%
0-40	2149	48.6%	48.6%
0-60	3626	82.0%	82.0%
0-90	4421	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	4421	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2576	2576	2576
5	2562	2563	2564
15	2512	2495	2515
25	2383	2395	2424
35	2244	2247	2292
45	2064	2083	2112
55	1865	1896	1913
65	1624	1613	1648
75	1328	1286	1261
85	723	693	567

LUMINAIRE SECTION

LEDALITE

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