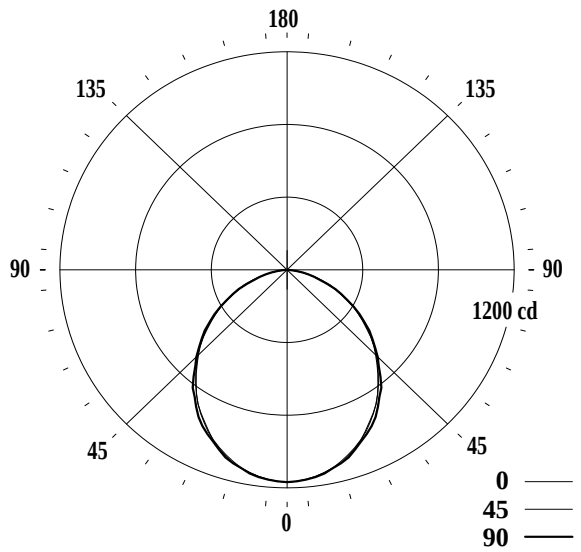
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4222x1STL83030AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X2 3000LM 830
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	2897 lm 100.0%
Input Watts:	120 VAC 23.8	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 121.7
CIE-IES Classification:	Direct	**Report:**	LNG00437

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1169	1169	1169	1169	1169	
5	1158	1161	1158	1162	1159	110
15	1100	1100	1093	1106	1102	310
25	980	997	985	1006	997	457
35	834	856	835	862	852	531
45	662	679	668	695	678	522
55	485	504	493	510	498	446
65	311	329	309	327	316	317
75	156	164	151	160	148	166
85	29	35	27	31	22	38
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)			1168.5	0.0
Direct: Peak Candela & Angle (90deg)			1168.5	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)		1.90	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)			standard	standard
x, y, CCT ,Duv	0.4288	0.4004	3112	0.0003
CRI (Ra), R9			83	11
120V: P(W), I(A), THD(%), PF	23.8	0.200	10.8	0.991
277V: P(W), I(A), THD(%), PF	23.7	0.092	10.6	0.927
347V: P(W), I(A), THD(%), PF	24.1	0.074	9.4	0.941

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	877	30.3%	30.3%
0-40	1408	48.6%	48.6%
0-60	2376	82.0%	82.0%
0-90	2897	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	2897	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	3465	3465	3465
5	3445	3447	3449
15	3378	3356	3383
25	3204	3221	3260
35	3018	3022	3082
45	2775	2802	2841
55	2509	2550	2573
65	2183	2170	2216
75	1787	1730	1695
85	973	932	762

LUMINAIRE SECTION

LEDALITE

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