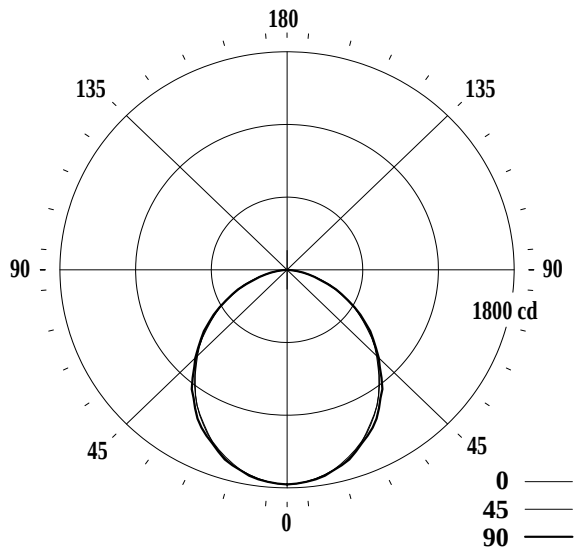
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4222x1STL83045AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X2 4500LM 830
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4393 lm 100.0%
Input Watts:	120 VAC 37.6	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 116.8
CIE-IES Classification:	Direct	**Report:**	LNG00440

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1772	1772	1772	1772	1772	
5	1755	1761	1756	1762	1757	167
15	1669	1668	1658	1676	1671	470
25	1485	1511	1493	1525	1511	693
35	1264	1299	1266	1307	1291	805
45	1004	1030	1013	1053	1027	792
55	736	764	748	773	755	676
65	472	498	469	495	479	481
75	237	248	229	243	224	252
85	43	52	42	47	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)			1771.8	0.0
Direct: Peak Candela & Angle (90deg)			1771.8	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)		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	37.6	0.314	6.0	0.997
277V: P(W), I(A), THD(%), PF	37.1	0.139	8.6	0.967
347V: P(W), I(A), THD(%), PF	37.9	0.112	6.5	0.972

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	1330	30.3%	30.3%
0-40	2135	48.6%	48.6%
0-60	3603	82.0%	82.0%
0-90	4393	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	4393	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5253	5253	5253
5	5224	5226	5230
15	5122	5088	5130
25	4859	4885	4943
35	4577	4583	4674
45	4209	4249	4308
55	3804	3867	3901
65	3311	3290	3361
75	2709	2622	2571
85	1473	1415	1157

LUMINAIRE SECTION

LEDALITE

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