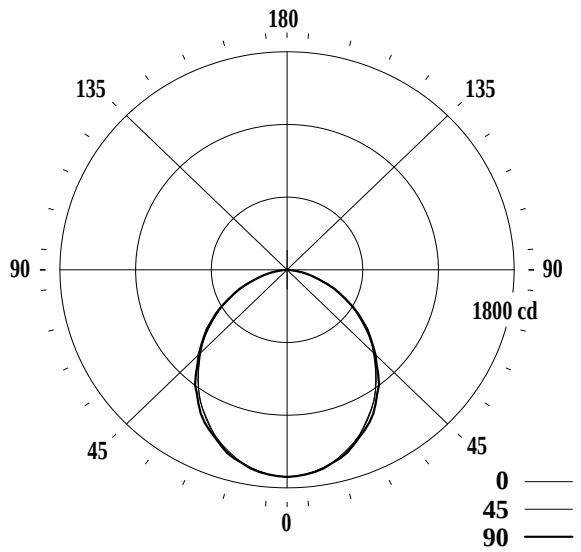
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4222x1STL82745AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X2 4500LM 827
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4239 lm 100.0%
Input Watts:	120 VAC 37.6	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 112.7
CIE-IES Classification:	Direct	**Report:**	LNG00434

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1710	1710	1710	1710	1710	
5	1694	1699	1694	1700	1696	161
15	1610	1609	1599	1618	1612	454
25	1433	1458	1441	1472	1458	669
35	1220	1253	1222	1261	1246	776
45	969	994	978	1016	991	764
55	710	738	722	746	728	653
65	455	481	453	478	462	464
75	228	240	221	234	217	243
85	42	51	40	46	33	56
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)			1709.6	0.0
Direct: Peak Candela & Angle (90deg)			1709.6	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)		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	0.4559	0.4075	2732	0.0008
CRI (Ra), R9			82	6
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	1283	30.3%	30.3%
0-40	2060	48.6%	48.6%
0-60	3477	82.0%	82.0%
0-90	4239	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	4239	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5069	5069	5069
5	5041	5043	5046
15	4942	4910	4949
25	4689	4713	4770
35	4416	4422	4510
45	4061	4100	4157
55	3670	3731	3764
65	3195	3175	3243
75	2614	2531	2480
85	1422	1364	1116

LUMINAIRE SECTION

LEDALITE

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