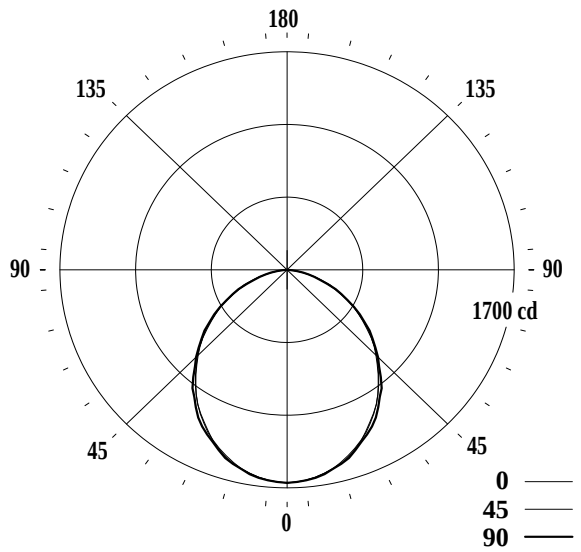
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4222x1STL84040AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X2 4000LM 840
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4118 lm 100.0%
Input Watts:	120 VAC 32.5	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 126.7
CIE-IES Classification:	Direct	**Report:**	LNG00451

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1661	1661	1661	1661	1661	
5	1645	1650	1646	1651	1647	156
15	1564	1563	1554	1571	1566	441
25	1392	1416	1400	1430	1416	650
35	1185	1217	1187	1225	1210	754
45	941	965	950	987	963	743
55	690	716	701	725	707	634
65	442	467	440	464	449	451
75	222	233	215	228	210	236
85	41	49	39	45	32	54
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)			1660.8	0.0
Direct: Peak Candela & Angle (90deg)			1660.8	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)			premium	standard
x, y, CCT ,Duv	0.3794	0.3781	4040	0.0010
CRI (Ra), R9			82	10
120V: P(W), I(A), THD(%), PF	32.5	0.273	7.6	0.995
277V: P(W), I(A), THD(%), PF	32.5	0.123	8.8	0.956
347V: P(W), I(A), THD(%), PF	33.2	0.099	7.3	0.965

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	1247	30.3%	30.3%
0-40	2001	48.6%	48.6%
0-60	3377	82.0%	82.0%
0-90	4118	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	4118	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	4924	4924	4924
5	4897	4899	4902
15	4801	4770	4808
25	4555	4578	4633
35	4290	4295	4381
45	3945	3983	4038
55	3565	3625	3657
65	3104	3084	3150
75	2540	2458	2409
85	1381	1327	1085

LUMINAIRE SECTION

LEDALITE

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