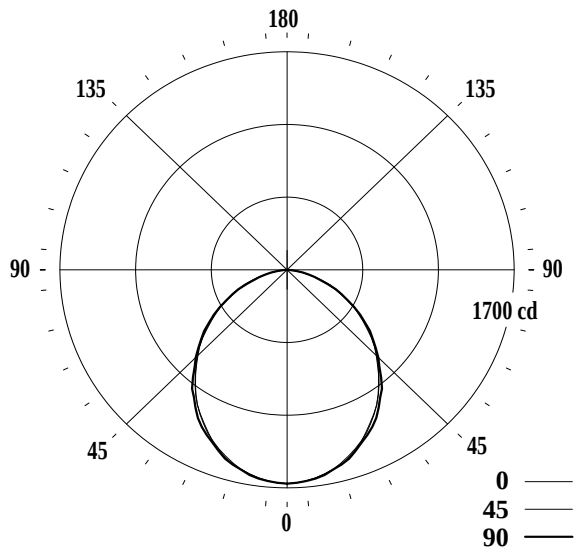
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL84040AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 4000LM 840
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4133 lm 100.0%
Input Watts:	120 VAC 29.5	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 140.1
CIE-IES Classification:	Direct	**Report:**	LNG00528

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1667	1667	1667	1667	1667	
5	1651	1657	1652	1657	1653	157
15	1570	1569	1559	1577	1572	442
25	1397	1422	1405	1435	1422	652
35	1189	1222	1191	1229	1215	757
45	944	969	953	991	967	745
55	692	719	704	727	710	636
65	444	469	441	466	451	452
75	223	234	215	228	211	237
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)			1666.9	0.0
Direct: Peak Candela & Angle (90deg)			1666.9	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	0.3794	0.3781	4040	0.0010
CRI (Ra), R9			82	10
120V: P(W), I(A), THD(%), PF	29.5	0.247	8.6	0.994
277V: P(W), I(A), THD(%), PF	29.4	0.110	9.9	0.969
347V: P(W), I(A), THD(%), PF	30.1	0.090	7.9	0.958

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	1251	30.3%	30.3%
0-40	2008	48.6%	48.6%
0-60	3390	82.0%	82.0%
0-90	4133	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	4133	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2408	2408	2408
5	2394	2395	2397
15	2348	2332	2351
25	2227	2239	2266
35	2097	2100	2142
45	1929	1947	1974
55	1743	1772	1788
65	1518	1508	1540
75	1242	1202	1178
85	675	648	530

LUMINAIRE SECTION

LEDALITE

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