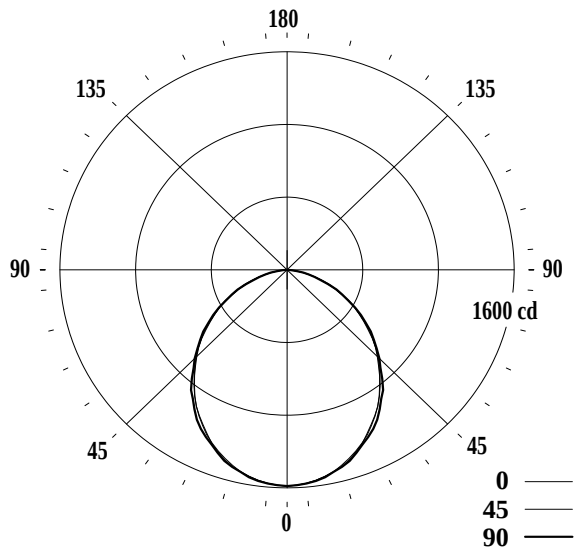
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL83040AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 4000LM 830
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	3934 lm 100.0%
Input Watts:	120 VAC 29.5	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 133.4
CIE-IES Classification:	Direct	**Report:**	LNG00510

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1587	1587	1587	1587	1587	
5	1572	1577	1573	1578	1574	149
15	1494	1493	1485	1501	1497	421
25	1330	1353	1337	1366	1353	621
35	1132	1163	1134	1170	1156	721
45	899	922	908	943	920	709
55	659	685	670	692	676	606
65	423	446	420	444	429	430
75	212	222	205	217	201	225
85	39	47	37	43	30	52
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)			1586.7	0.0
Direct: Peak Candela & Angle (90deg)			1586.7	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	0.4288	0.4004	3112	0.0003
CRI (Ra), R9			83	11
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	1191	30.3%	30.3%
0-40	1912	48.6%	48.6%
0-60	3227	82.0%	82.0%
0-90	3934	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	3934	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2292	2292	2292
5	2279	2280	2282
15	2235	2220	2238
25	2120	2131	2157
35	1997	1999	2039
45	1836	1854	1879
55	1660	1687	1702
65	1444	1436	1466
75	1182	1144	1122
85	643	617	504

LUMINAIRE SECTION

LEDALITE

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