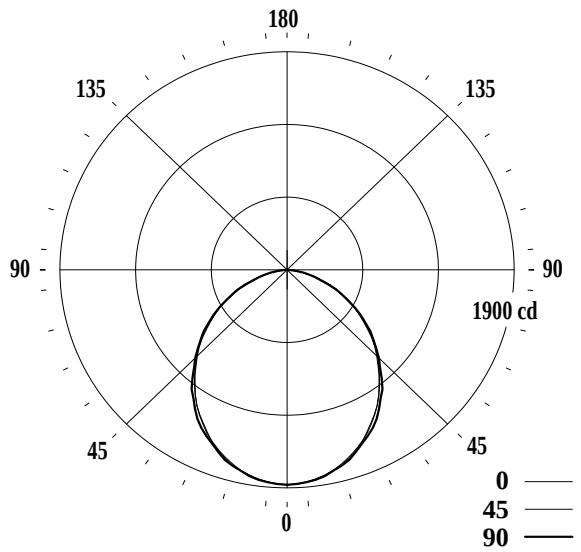
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL84045AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 4500LM 840
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4645 lm 100.0%
Input Watts:	120 VAC 33.3	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 139.5
CIE-IES Classification:	Direct	**Report:**	LNG00529

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1873	1873	1873	1873	1873	
5	1856	1862	1857	1863	1858	176
15	1764	1763	1753	1773	1767	497
25	1570	1598	1579	1613	1598	733
35	1337	1373	1339	1382	1365	851
45	1061	1089	1071	1114	1086	838
55	778	808	791	817	798	715
65	499	527	496	524	506	508
75	250	263	242	257	237	266
85	46	55	44	50	36	61
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)			1873.3	0.0
Direct: Peak Candela & Angle (90deg)			1873.3	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	33.3	0.279	6.0	0.995
277V: P(W), I(A), THD(%), PF	33.2	0.125	8.7	0.958
347V: P(W), I(A), THD(%), PF	33.9	0.101	7.1	0.967

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	1406	30.3%	30.3%
0-40	2257	48.6%	48.6%
0-60	3809	82.0%	82.0%
0-90	4645	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	4645	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2706	2706	2706
5	2691	2692	2694
15	2638	2621	2642
25	2503	2516	2546
35	2357	2360	2407
45	2168	2189	2219
55	1959	1992	2009
65	1706	1695	1731
75	1395	1351	1324
85	759	729	595

LUMINAIRE SECTION

LEDALITE

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