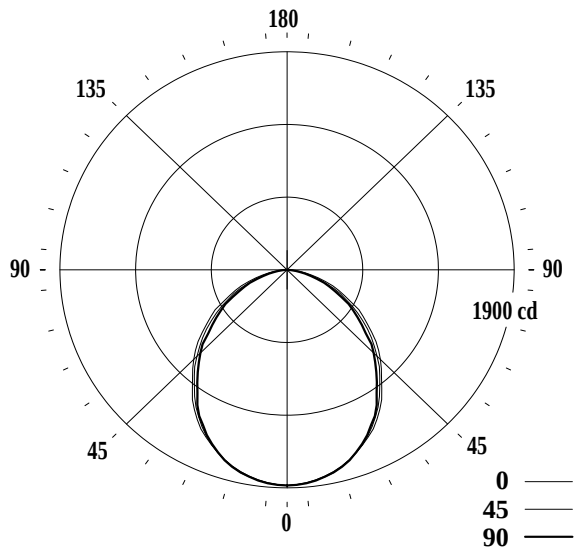
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4214x1STL83545AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 1X4 4500LM 835
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4620 lm 100.0%
Input Watts:	120 VAC 41.6	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 111.1
CIE-IES Classification:	Direct	**Report:**	LNG00482

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1879	1879	1879	1879	1879	
5	1862	1870	1864	1868	1867	177
15	1770	1787	1774	1783	1777	501
25	1607	1628	1597	1608	1589	739
35	1381	1404	1348	1344	1307	850
45	1104	1124	1066	1050	1025	830
55	820	830	773	757	721	701
65	530	543	493	488	444	497
75	270	272	233	232	206	260
85	66	68	48	50	37	64
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)			1879.2	0.0
Direct: Peak Candela & Angle (90deg)			1879.2	0.0
Spacing Criteria (0deg, 90deg, 180deg)		1.19	1.17	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	0.91	0.00
UGR (4H x 8H, 0.25H)				21.2
Ballast Factor, Multiplication Factor			1.000	1.000
DLC (120/277), DLC (347)			standard	standard
x, y, CCT ,Duv	0.4061	0.3934	3505	0.0010
CRI (Ra), R9			82	9
120V: P(W), I(A), THD(%), PF	41.6	0.349	7.5	0.994
277V: P(W), I(A), THD(%), PF	41.5	0.158	9.8	0.947
347V: P(W), I(A), THD(%), PF	41.3	0.123	7.4	0.971

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	86	80	97	90	84	87	82	77	72
3	91	81	73	67	89	80	72	77	71	65	61
4	84	72	64	57	82	71	63	69	62	56	53
5	77	65	56	50	75	64	56	62	55	49	46
6	72	59	50	44	70	58	50	56	49	43	40
7	67	53	45	39	65	53	44	51	44	38	36
8	62	49	41	35	61	48	40	47	40	34	32
9	58	45	37	31	57	44	37	43	36	31	29
10	54	42	34	29	53	41	34	40	33	28	26

*Based on a floor reflectance of 0.2

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture	%Lamp
0-30	1418	30.7%	30.7%
0-40	2268	49.1%	49.1%
0-60	3799	82.2%	82.2%
0-90	4620	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	4620	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5697	5697	5697
5	5666	5673	5682
15	5557	5568	5577
25	5375	5341	5314
35	5110	4990	4839
45	4734	4572	4394
55	4334	4086	3810
65	3804	3536	3183
75	3165	2731	2407
85	2292	1663	1273

LUMINAIRE SECTION

LEDALITE

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