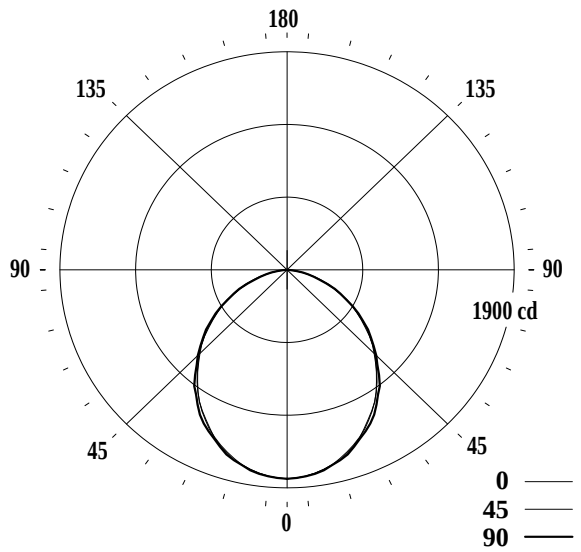
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4222x1STL83545AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X2 4500LM 835
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4515 lm 100.0%
Input Watts:	120 VAC 37.6	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 120.1
CIE-IES Classification:	Direct	**Report:**	LNG00446

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1821	1821	1821	1821	1821	
5	1804	1810	1805	1811	1806	171
15	1715	1714	1704	1723	1717	483
25	1526	1553	1534	1567	1553	713
35	1299	1335	1301	1343	1327	827
45	1032	1059	1041	1083	1056	814
55	756	786	769	794	776	695
65	485	512	482	509	492	494
75	243	255	235	249	231	258
85	45	54	43	49	35	59
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)			1820.9	0.0
Direct: Peak Candela & Angle (90deg)			1820.9	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)		1.90	1.91	0.00
UGR (4H x 8H, 0.25H)				20.6
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	37.6	0.314	6.0	0.997
277V: P(W), I(A), THD(%), PF	37.1	0.139	8.6	0.967
347V: P(W), I(A), THD(%), PF	37.9	0.112	6.5	0.972

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	1367	30.3%	30.3%
0-40	2194	48.6%	48.6%
0-60	3703	82.0%	82.0%
0-90	4515	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	4515	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5399	5399	5399
5	5369	5371	5375
15	5264	5229	5272
25	4994	5020	5080
35	4703	4709	4803
45	4325	4367	4427
55	3909	3974	4009
65	3403	3382	3454
75	2784	2694	2642
85	1514	1453	1187

LUMINAIRE SECTION

LEDALITE

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