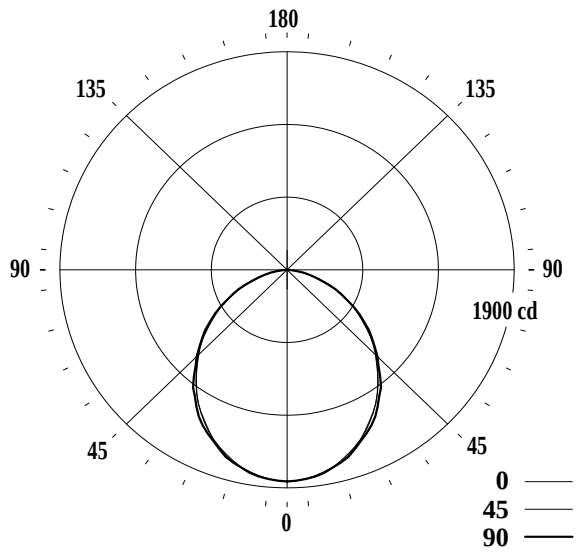
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4222x1STL85045AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X2 4500LM 850
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4572 lm 100.0%
Input Watts:	120 VAC 37.6	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 121.6
CIE-IES Classification:	Direct	**Report:**	LNG00458

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1844	1844	1844	1844	1844	
5	1827	1833	1828	1834	1829	174
15	1737	1736	1725	1745	1739	489
25	1546	1573	1554	1587	1573	722
35	1316	1352	1318	1360	1344	837
45	1045	1072	1055	1096	1069	825
55	766	796	779	805	786	704
65	491	519	488	516	499	500
75	246	259	238	253	234	262
85	45	55	43	49	35	60
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)			1844.2	0.0
Direct: Peak Candela & Angle (90deg)			1844.2	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)				N/A
Ballast Factor, Multiplication Factor			1.000	1.000
DLC (120/277), DLC (347)			standard	standard
x, y, CCT ,Duv	0.3425	0.3523	5101	0.0014
CRI (Ra), R9			82	13
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	1384	30.3%	30.3%
0-40	2222	48.6%	48.6%
0-60	3750	82.0%	82.0%
0-90	4572	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	4572	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5468	5468	5468
5	5437	5440	5443
15	5331	5296	5339
25	5058	5084	5145
35	4763	4770	4865
45	4381	4423	4484
55	3959	4025	4061
65	3446	3425	3498
75	2819	2729	2676
85	1534	1473	1204

LUMINAIRE SECTION

LEDALITE

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