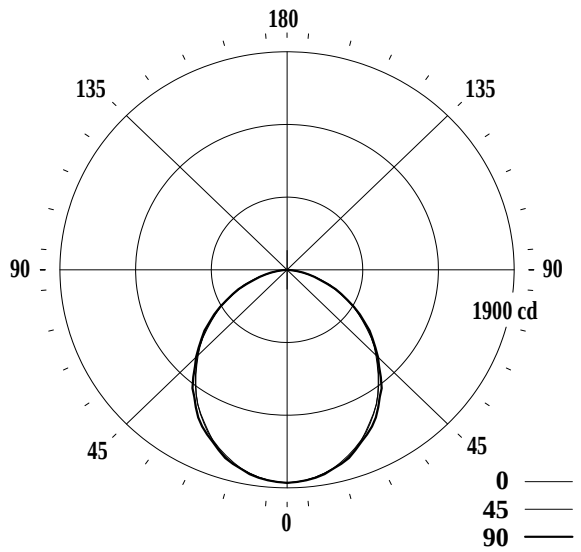
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL85045AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 4500LM 850
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4602 lm 100.0%
Input Watts:	120 VAC 33.3	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 138.2
CIE-IES Classification:	Direct	**Report:**	LNG00538

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1856	1856	1856	1856	1856	
5	1839	1845	1839	1846	1841	175
15	1748	1747	1737	1756	1751	492
25	1556	1583	1564	1598	1583	726
35	1325	1360	1326	1369	1353	843
45	1051	1079	1062	1104	1076	830
55	771	801	784	810	791	708
65	494	522	491	519	502	504
75	248	260	240	254	235	263
85	45	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)			1856.1	0.0
Direct: Peak Candela & Angle (90deg)			1856.1	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	0.3408	0.3499	5165	0.0009
CRI (Ra), R9			82	13
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	1393	30.3%	30.3%
0-40	2236	48.6%	48.6%
0-60	3774	82.0%	82.0%
0-90	4602	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	4602	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2681	2681	2681
5	2666	2667	2669
15	2614	2597	2618
25	2480	2493	2523
35	2336	2339	2385
45	2148	2169	2198
55	1941	1974	1991
65	1690	1679	1715
75	1382	1338	1312
85	752	721	590

LUMINAIRE SECTION

LEDALITE

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