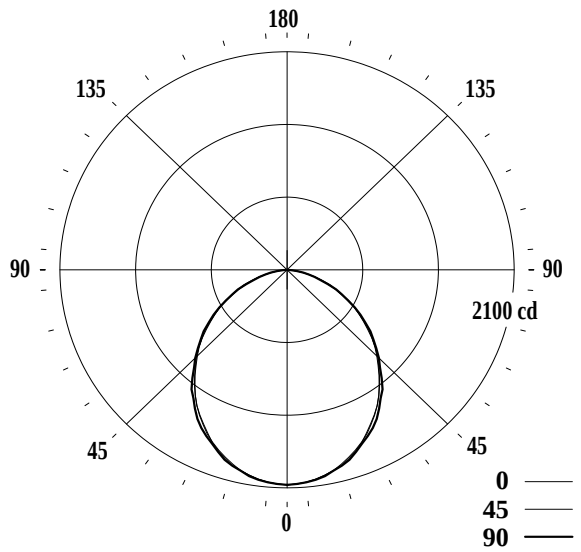
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL85050AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 5000LM 850
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	5135 lm 100.0%
Input Watts:	120 VAC 37.2	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 138.0
CIE-IES Classification:	Direct	**Report:**	LNG00539

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	2071	2071	2071	2071	2071	
5	2052	2058	2053	2060	2054	195
15	1951	1949	1938	1960	1953	549
25	1736	1766	1745	1783	1766	811
35	1478	1518	1480	1528	1509	941
45	1173	1204	1185	1231	1201	926
55	860	893	875	904	882	791
65	552	582	548	579	560	562
75	276	290	268	284	262	294
85	51	61	49	55	40	68
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)			2071.2	0.0
Direct: Peak Candela & Angle (90deg)			2071.2	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)		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	37.2	0.311	6.3	0.997
277V: P(W), I(A), THD(%), PF	37.2	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	1555	30.3%	30.3%
0-40	2495	48.6%	48.6%
0-60	4212	82.0%	82.0%
0-90	5135	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	5135	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2992	2992	2992
5	2975	2976	2978
15	2917	2898	2921
25	2767	2782	2815
35	2606	2610	2662
45	2397	2420	2453
55	2166	2202	2221
65	1886	1874	1914
75	1543	1493	1464
85	839	805	658

LUMINAIRE SECTION

LEDALITE

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