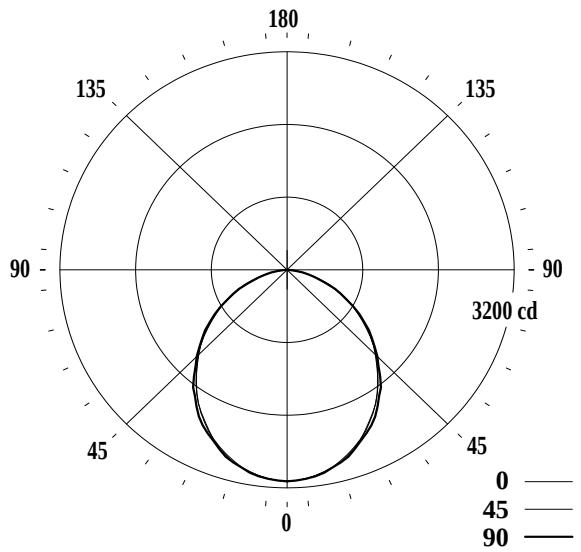
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL85075AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 7500LM 850
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	7695 lm 100.0%
Input Watts:	120 VAC 58.6	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 131.3
CIE-IES Classification:	Direct	**Report:**	LNG00544

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	3104	3104	3104	3104	3104	
5	3075	3084	3076	3086	3078	292
15	2923	2921	2904	2937	2927	823
25	2602	2647	2615	2672	2647	1215
35	2215	2275	2218	2289	2262	1409
45	1758	1804	1775	1845	1800	1388
55	1289	1339	1310	1354	1322	1185
65	827	873	822	868	839	842
75	414	435	401	425	393	441
85	76	92	73	83	60	101
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)			3103.7	0.0
Direct: Peak Candela & Angle (90deg)			3103.7	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	58.6	0.491	9.0	0.995
277V: P(W), I(A), THD(%), PF	58.1	0.213	10.0	0.987
347V: P(W), I(A), THD(%), PF	58.3	0.173	9.6	0.973

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	2330	30.3%	30.3%
0-40	3739	48.6%	48.6%
0-60	6311	82.0%	82.0%
0-90	7695	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	7695	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	4483	4483	4483
5	4458	4460	4463
15	4371	4342	4377
25	4147	4168	4219
35	3906	3911	3989
45	3592	3626	3676
55	3246	3300	3329
65	2826	2808	2868
75	2312	2238	2194
85	1256	1207	986

LUMINAIRE SECTION

LEDALITE

Ledalite
19750 - 92A Avenue
Langley, BC
CANADA V1M 3B2
Phone: 604-888-6811
Fax: 800-665-5332
604-888-2003