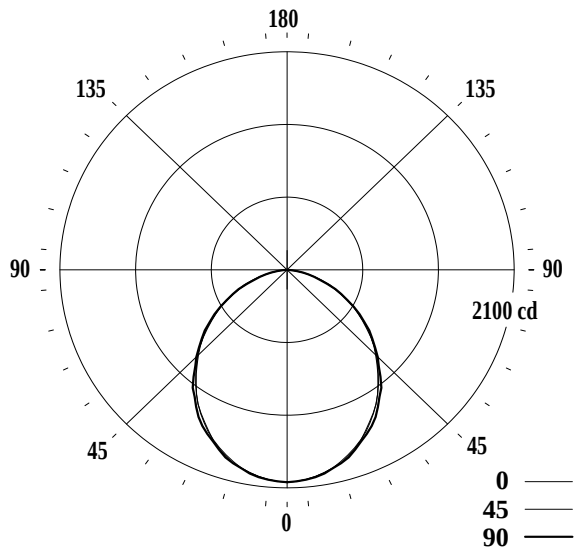
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4224x1STL83550AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X4 5000LM 835
No. of Lamps:	176		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	5070 lm 100.0%
Input Watts:	120 VAC 37.2	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 136.3
CIE-IES Classification:	Direct	**Report:**	LNG00521

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	2045	2045	2045	2045	2045	
5	2026	2032	2027	2034	2028	193
15	1926	1925	1913	1935	1929	543
25	1714	1744	1723	1760	1744	800
35	1459	1499	1461	1508	1490	929
45	1159	1189	1170	1216	1186	914
55	849	882	863	892	871	781
65	545	575	541	572	553	555
75	273	287	264	280	259	290
85	50	61	48	55	39	67
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)			2045.0	0.0
Direct: Peak Candela & Angle (90deg)			2045.0	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)				18.5
Ballast Factor, Multiplication Factor			1.000	1.000
DLC (120/277), DLC (347)			premium	premium
x, y, CCT ,Duv	0.4061	0.3934	3505	0.0010
CRI (Ra), R9			82	9
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	1535	30.3%	30.3%
0-40	2464	48.6%	48.6%
0-60	4159	82.0%	82.0%
0-90	5070	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	5070	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	2954	2954	2954
5	2938	2939	2941
15	2880	2861	2884
25	2732	2747	2780
35	2573	2577	2628
45	2367	2389	2422
55	2139	2174	2194
65	1862	1850	1890
75	1523	1475	1445
85	829	796	650

LUMINAIRE SECTION

LEDALITE

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