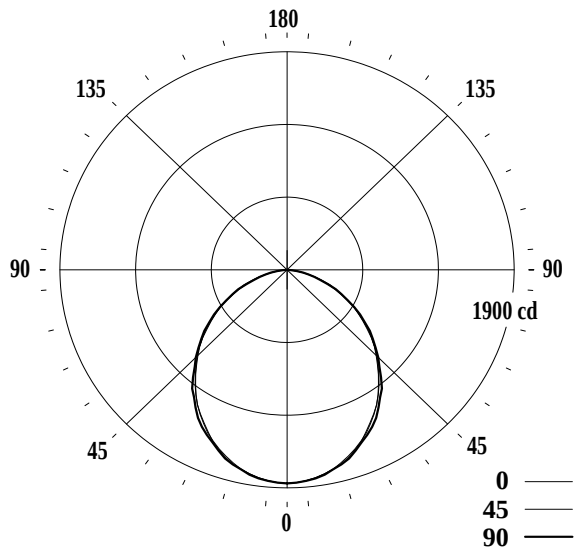
LEDALITE - SILKSPACE DEFINITION

TEST DATE:	18 Oct 2019	**CATALOG NO:**	**4222x1STL84045AxDE**
Lamp Type:	LED	**Description:**	SILKSPACE DEFINITION 2X2 4500LM 840
No. of Lamps:	88		
Rated Lamp Lumens:	-1	**Flux (lm), Efficiency (%):**	4615 lm 100.0%
Input Watts:	120 VAC 37.6	**Up/Dn Ratio, Efficacy (lm/W):**	0% Up / 100% Dn 122.7
CIE-IES Classification:	Direct	**Report:**	LNG00452

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Flux Lumens
0	1861	1861	1861	1861	1861	
5	1844	1850	1845	1851	1846	175
15	1753	1752	1741	1761	1756	494
25	1560	1587	1569	1602	1587	728
35	1328	1364	1330	1373	1357	845
45	1054	1082	1065	1107	1079	832
55	773	803	786	812	793	710
65	496	523	493	520	503	505
75	248	261	241	255	236	264
85	46	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)			1861.3	0.0
Direct: Peak Candela & Angle (90deg)			1861.3	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	0.3794	0.3781	4040	0.0010
CRI (Ra), R9			82	10
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	1397	30.3%	30.3%
0-40	2243	48.6%	48.6%
0-60	3785	82.0%	82.0%
0-90	4615	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	4615	100.0%	100.0%

AVG LUMINANCE (cd/m^2)

	0	45	90
0	5519	5519	5519
5	5488	5490	5494
15	5381	5345	5389
25	5105	5131	5193
35	4808	4814	4910
45	4421	4464	4525
55	3996	4063	4098
65	3478	3457	3530
75	2846	2755	2700
85	1548	1487	1214

LUMINAIRE SECTION

LEDALITE

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