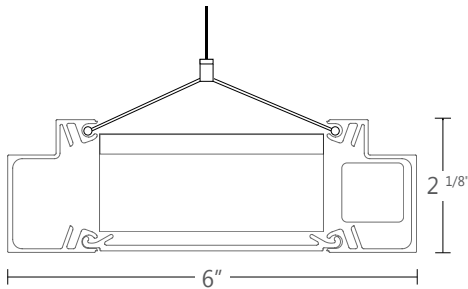


Spotless lens

VL Optic

Louver



Project \_\_\_\_\_

Type \_\_\_\_\_

Notes \_\_\_\_\_

### PERFORMANCE PER LINEAR FOOT AT 3500K (VL)

#### SO - Spotless lens

DISTRIBUTION	NOMINAL LUMEN OUTPUT		INPUT WATTS	EFFICACY
	UP	DOWN		
75up/25down at 800 lm/ft	600 lm/ft	200 lm/ft	9.6 w/ft	83 lm/w
75up/25down at 1000 lm/ft	750 lm/ft	250 lm/ft	12.1 w/ft	83 lm/w

#### VL - VL Optics

DISTRIBUTION	NOMINAL LUMEN OUTPUT		INPUT WATTS	EFFICACY
	UP	DOWN		
75up/25down at 800 lm/ft	600 lm/ft	200 lm/ft	8.7 w/ft	92 lm/w
75up/25down at 1000 lm/ft	750 lm/ft	250 lm/ft	11.15 w/ft	90 lm/w

#### PL - Louver lens

DISTRIBUTION	NOMINAL LUMEN OUTPUT		INPUT WATTS	EFFICACY
	UP	DOWN		
75up/25down at 800 lm/ft	600 lm/ft	200 lm/ft	12.9 w/ft	81 lm/w
75up/25down at 1000 lm/ft	750 lm/ft	250 lm/ft	12.7 w/ft	79 lm/w

\* Based on a 4 foot luminaire using one driver  
Please consult factory for customized lumen output and wattage

## Ordering Guide



CUBLED		LIGHT ENGINE		NOMINAL LUMENS/FT		CRI		COLOR TEMP.	
PRODUCT ID									
<b>CUBLED</b> Pendant LED	<b>SL 75/25</b>	SurroundLite 75% up/25% down (semi-indirect)	<b>800</b>	800 lm/ft - Minimum	<b>80</b>	80 CRI	<b>30</b>	3000 K	
	<b>SL 100/0</b>	SurroundLite 100% up/0% down (indirect)	<b>1000</b>	1000 lm/ft - Maximum	<b>90</b>	90 CRI	<b>35</b>	3500 K	
							<b>40</b>	4000 K	

Applies to both UP & DOWN. Outputs between listed min and max are available. Consult factory for other lumen packages

Applies to both UP & DOWN.

Applies to both UP & DOWN.

SHIELDING		FIXTURE LENGTH		FINISH		VOLTAGE		DRIVER	
<b>SO</b>	spotless lens	<b>4</b>	4'	<b>AP</b>	aluminum paint	<b>120</b>	120 V	<b>DP</b>	dimming (0-10V) 1%
<b>VL</b>	VL optic	<b>8</b>	8'	<b>W</b>	white	<b>277</b>	277 V	<b>D</b>	dimming (0-10V) 5% 347V standard <sup>(2)</sup>
<b>PL</b>	louver	<b>12</b>	12'	<b>BLK</b>	black	<b>347</b>	347 V <sup>(1)</sup>	<b>LT</b>	Lutron <sup>(3)</sup>
<b>NO</b>	no shielding*	<b>S#</b>	System Run	<b>C</b>	custom	<b>UNV</b>	universal	<b>O</b>	bi-level dimming
								<b>I</b>	other <sup>(4)</sup>

\*Available only for Indirect (SL 100/0)

4' Increments only

Applies to both UP & DOWN.  
(1) Consult factory / D dimming (0-10V) 5% standard

Applies to both UP & DOWN.  
(2) For 347V only  
(3) Specify system  
(4) Please consult factory

CIRCUITS		MOUNTING/SUSPENSION		BATTERY (OPTIONAL)		OTHER		IC CONTROLS		CUSTOM	
<b>1</b>	1 circuit <sup>(5)</sup>	<b>CA(#)</b>	drywall+cable length (36" std.)	<b>B#</b>	battery pack (integral)	<b>F</b>	fuse	<b>DS#</b>	daylight sensor	<b>C</b>	custom
<b>2</b>	2 circuits	<b>CT9(#)</b>	TB/TG 9/16+cable length (36" std.)					<b>OS#</b>	occupancy sensor		
<b>2A/B</b>	2 circuit alternating/4ft	<b>CT15(#)</b>	TB/TG 15/16+cable length (36" std.)					<b>DOS#</b>	daylight & occupancy sensor		
<b>+E(#)</b>	emergency section	<b>CTS(#)</b>	ST+cable length (36" std.)					<b>EN#</b>	Enlighted integral		
<b>+NL(#)</b>	night light section	<b>SA(#)</b>	drywall+stem length >48" (18" std.)					<b>ENR#</b>	Enlighted remote		
<b>+GTD(#)</b>	generator transfer device	<b>+SM</b>	seismic option					<b>WC#</b>	wireless control dimming		

(5) Control UP & DOWN lights together

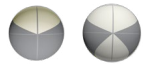
See Ceiling Mount Guide for further details

For minimum 36" long fixture only  
Not available with 347V  
Please consult factory

Requires 120V or 277V

Applies to both UP & DOWN.  
Specify quantity. Requires 8" blank  
See integrated controls guide for more details.

Please specify



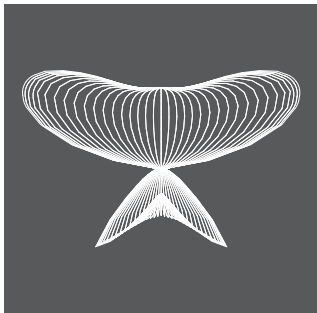
### ● SURROUNDLITE TECHNOLOGY

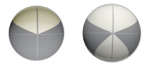
Cubic with SurroundLite provides the flexibility of high efficacy spherical three dimensional wide batwing distributions and shielding options that all result in true lighting effectiveness. Cubic SurroundLite has an integral driver and a light guide with proper cutoff and no view of bugs or dust particles.

An innovative technology to get much more out of LEDs: Axis SurroundLite is based on the fundamental physics of how light interacts with matter. The specially engineered lightguide is made of precisely coded and aligned molecules that shape LED output in all three dimensions.

With SurroundLite extra-wide, multidimensional light distribution, light is directed in all three planes and sent in every corner of the room. SurroundLite brings the promise of balanced brightness, facilitating lighting design.

### 3D Polar Curve (SL 75/25)



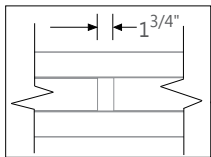
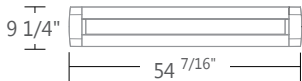


### ● LIGHT GUIDE

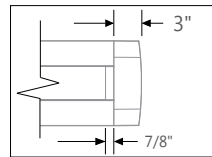
High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire. In-plane mixing maximizes color uniformity while light emitting area is uniform and diffuse without 'head lighting' from the LED's.

### ● LENGTHS

#### Cubic SurroundLite 4ft (4)



For all fixture lengths

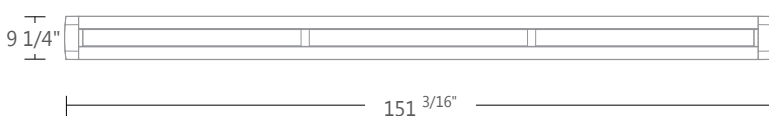


For all fixture lengths

#### Cubic SurroundLite 8ft



#### Cubic SurroundLite 12ft



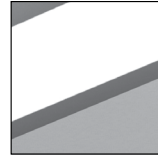
### ● SYSTEMS (S#)

Runs of Cubic SurroundLite that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination 4ft and/or 8ft and 12ft sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the Cubic SurroundLite installation sheets available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.

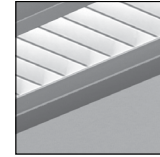
### ● WEIGHT

<b>Cubic SurroundLite 4ft</b>	12 lbs / 5.4 kg
<b>Cubic SurroundLite 8ft</b>	24 lbs / 10.9 kg
<b>Cubic SurroundLite 12ft</b>	36 lbs / 16.3 kg

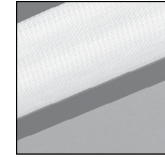
### ● OPTICS



**SO** spotless lens



**PL** flat blade louvers



**VL** VL Optic lens

### ● SUSPENSION / MOUNTING SPACING

Standard Suspension Length:

**CABLE : 36"** (Adjustable length)

**STEM: 18"** (For 8' length maximum)

Distance Between Mounting Points for stem mount:

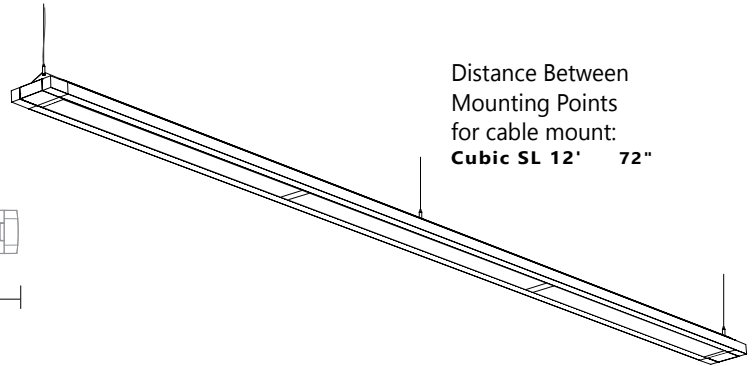
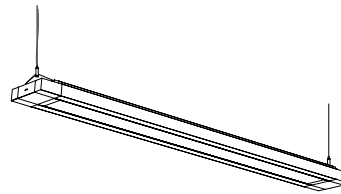
**Cubic SL 4' 48 7/16"**

**Cubic SL 8' 96 13/16"**

Distance Between Mounting Points for cable mount:

**Cubic SL 4' 48"**

**Cubic SL 8' 96"**



Distance Between Mounting Points for cable mount:

**Cubic SL 12' 72"**

Stem Mount - 8ft Max

**i** Row configuration and mounting spacing file is available for download at: [www.axislighting.com](http://www.axislighting.com)

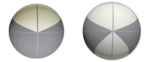
### ● FINISH

Aluminum paint, powder coated and custom finishes are also available.

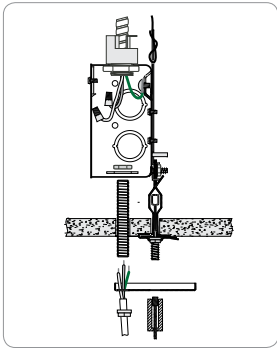
### ● APPROVALS

Certified to UL and CSA standards

Suitable for damp locations.



### ● MOUNTING OPTIONS

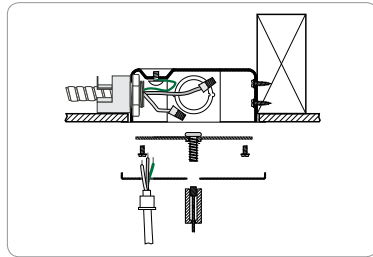


#### CT TILE CEILING - ON GRID

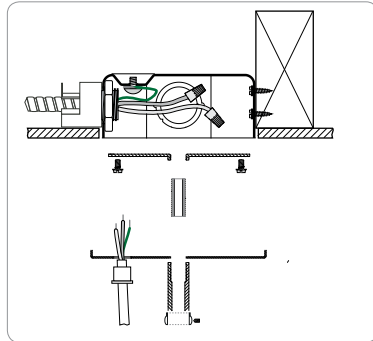
Mounting options are also available for slope ceiling and seismic bracing.

**i** Installation sheets for all mounting options are available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.

**i** Specification sheets for pendant mounted Cubic SurroundLite luminaires are available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.



#### CA DRYWALL CEILING



#### SA STEM MOUNT IN DRYWALL CEILING

### ● OTHER MOUNTING OPTIONS

Cubic SurroundLite is also available as a wall mount.

### ● LED SYSTEM

<b>CRI</b>	Minimum 80 or 90 color rendering index
<b>CCT</b>	Choice of 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
<b>LED life</b>	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal Management</b>	Aluminum housing acting as the heat spreader to maximize life.
<b>Environment</b>	Dry and damp rated in operating ambient temperatures of 0-40°C (32-104F)

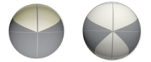
### ● CONSTRUCTION

<b>Housing</b>	Extruded aluminum (0.075" nominal)
<b>End Cap</b>	Die cast aluminum (0.10" nominal)
<b>Joiners</b>	Die cast aluminum (0.10" nominal)
<b>Top Covers</b>	Cold rolled sheet steel painted (24 gauge)
<b>Smooth Lens</b>	Uniform frosted acrylic lens
<b>Flat blade louvers</b>	Semispecular aluminum material (electronically anodized) for added visual comfort

### ● ELECTRICAL

<b>Lutron driver*</b>	L3D - Hi-Lume A-Series EcoSystem 3-Wire Control (1%) LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%) *Consult factory
<b>Other drivers</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV.

**i** Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

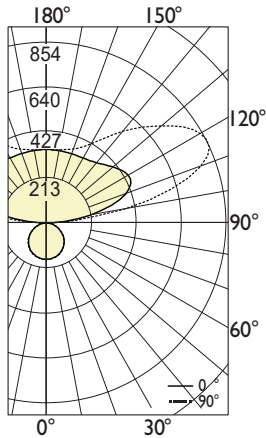


### ● PHOTOMETRIC DATA

#### Spotless lens (SO)

CUBLED-SL80\_20-800-80-35-SO  
80% up / 20% down at 800 lm/ft

#### PHOTOMETRIC CURVE



**Total Lumens: 3200 lm (for 4ft)**  
**Luminaire Lumens: 800 lm**  
**Input Watts: 38.4 W**  
**Efficacy: 83 lm/W**

IES FILE: CUBLED-SL75\_25-800-80-35-SO.ies

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	173	173	173	173	173
5	172	172	172	172	172
15	167	167	166	167	166
25	157	157	156	156	156
35	142	142	141	140	140
45	121	121	121	120	119
55	95	95	96	96	94
65	67	67	68	68	65
75	38	39	39	38	36
85	14	14	14	13	13
90	9	7	7	6	4
95	134	109	97	90	89
105	609	561	437	344	318
115	851	773	604	480	441
125	789	704	571	469	435
135	638	557	472	410	388
145	491	442	402	370	359
155	393	381	367	353	349
165	359	356	351	346	346
175	347	347	346	346	346
180	347	347	347	347	347

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	16
10-20	47
20-30	72
30-40	88
40-50	93
50-60	85
60-70	66
70-80	41
80-90	16
90-100	128
100-110	467
110-120	611
120-130	527
130-140	380
140-150	259
150-160	171
160-170	100
170-180	33
180	

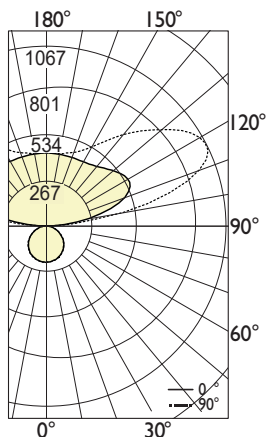
#### LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	1806	1809	1781
55	1752	1769	1731
65	1667	1693	1636
75	1566	1589	1485
85	1705	1739	1580

#### Spotless lens (SO)

CUBLED-SL80\_20-1000-80-35-SO  
80% up / 20% down at 1000 lm/ft

#### PHOTOMETRIC CURVE



**Total Lumens: 4000 lm (for 4ft)**  
**Luminaire Lumens: 1000 lm**  
**Input Watts: 48.4 W**  
**Efficacy: 83 lm/W**

IES FILE: CUBLED-SL75\_25-1000-80-35-SO.ies

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

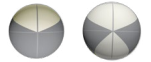
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	216	216	216	216	216
5	215	215	215	215	215
15	209	209	208	208	208
25	197	196	195	195	195
35	177	177	176	175	175
45	151	151	151	150	149
55	119	119	120	120	117
65	83	84	84	85	82
75	48	48	49	48	45
85	18	18	18	17	16
90	11	9	8	7	5
95	168	137	121	112	111
105	761	701	547	430	398
115	1064	967	755	601	552
125	986	880	714	586	543
135	797	697	590	513	485
145	614	552	503	463	449
155	492	477	459	441	436
165	448	445	439	433	433
175	434	433	433	433	433
180	434	434	434	434	434

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	20
10-20	59
20-30	90
30-40	110
40-50	116
50-60	106
60-70	83
70-80	51
80-90	20
90-100	160
100-110	584
110-120	763
120-130	658
130-140	475
140-150	324
150-160	214
160-170	125
170-180	41
180	

#### LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2258	2261	2226
55	2189	2211	2163
65	2084	2116	2045
75	1957	1986	1857
85	2131	2174	1975

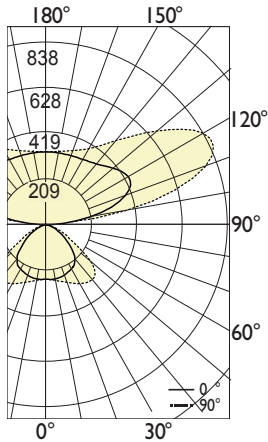


### ● PHOTOMETRIC DATA

#### Louver (PL)

CUBLED-SL80\_20-800-80-35-PL  
80% up / 20% down at 800 lm/ft

#### PHOTOMETRIC CURVE



**Total Lumens: 3300 lm (for 4ft)**  
**Luminaire Lumens: 800 lm**  
**Input Watts: 40.8 W**  
**Efficacy: 81 lm/W**  
IES FILE: CUBLED-SL75\_25-800-80-35-PL.ies

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	245	245	245	245	245
5	247	247	247	247	247
15	263	262	255	248	245
25	290	280	257	241	235
35	318	290	246	225	222
45	314	263	205	179	175
55	186	155	113	100	105
65	87	59	44	48	51
75	29	19	16	17	19
85	5	4	3	3	3
90	1	1	1	0	0
95	68	75	83	82	83
105	603	534	415	338	306
115	836	751	588	467	422
125	748	684	557	450	417
135	567	532	457	394	373
145	435	418	384	356	345
155	370	364	351	338	333
165	342	340	335	330	328
175	329	329	328	327	327
180	327	327	327	327	327

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	24
10-20	72
20-30	120
30-40	161
40-50	169
50-60	116
60-70	55
70-80	21
80-90	4
90-100	110
100-110	450
110-120	593
120-130	508
130-140	361
140-150	245
150-160	163
160-170	95
170-180	31
180	

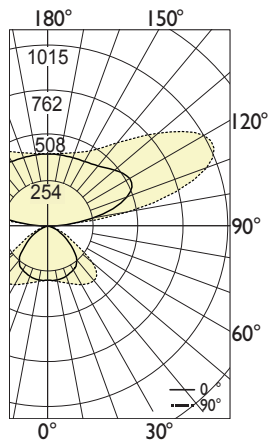
#### LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4954	3237	2756
55	3618	2204	2036
65	2283	1164	1349
75	1233	668	802
85	627	358	333

#### Louver (PL)

CUBLED-SL80\_20-800-80-35-PL  
80% up / 20% down at 1000 lm/ft

#### PHOTOMETRIC CURVE



**Total Lumens: 4000 lm (for 4ft)**  
**Luminaire Lumens: 1000 lm**  
**Input Watts: 50.6 W**  
**Efficacy: 79 lm/W**  
IES FILE: CUBLED-SL75\_25-1000-80-35-PL.ies

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

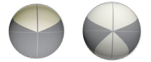
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	297	297	297	297	297
5	300	300	300	299	299
15	319	317	309	300	297
25	351	340	312	292	285
35	385	351	298	273	269
45	381	319	249	216	212
55	225	188	137	121	127
65	105	71	53	58	62
75	35	23	19	20	23
85	6	4	3	3	3
90	1	1	1	0	0
95	83	91	100	99	100
105	731	648	503	410	371
115	1013	910	713	567	512
125	907	829	675	546	505
135	688	645	553	478	452
145	527	507	466	432	418
155	449	441	426	410	403
165	415	412	406	400	398
175	399	398	397	397	397
180	397	397	397	397	397

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	29
10-20	88
20-30	146
30-40	195
40-50	205
50-60	140
60-70	67
70-80	25
80-90	5
90-100	134
100-110	545
110-120	719
120-130	616
130-140	437
140-150	297
150-160	198
160-170	115
170-180	38
180	

#### LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	6005	3924	3341
55	4385	2671	2468
65	2768	1411	1635
75	1494	810	972
85	760	434	403



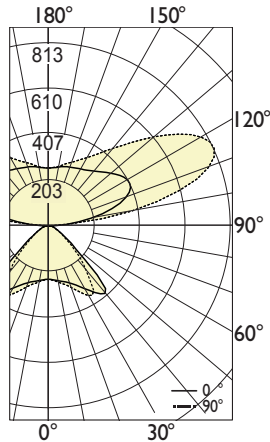
### ● PHOTOMETRIC DATA

#### VL Optic lens (VL)

CUBLED-SL80\_20-800-80-35-VL

80% up / 20% down at 800 lm/ft

#### PHOTOMETRIC CURVE



**Total Lumens: 3200 lm (for 4ft)**

**Luminaire Lumens: 800 lm**

**Input Watts: 34.8 W**

**Efficacy: 92 lm/W**

IES FILE: CUBLED-SL75\_25-800-80-35-VL.ies

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	238	238	238	238	238
5	242	242	241	240	240
15	269	267	262	257	255
25	323	319	306	294	290
35	350	356	359	359	361
45	196	197	219	266	308
55	85	90	99	110	102
65	44	43	47	50	45
75	25	24	26	28	26
85	8	10	11	11	15
90	1	1	1	1	1
95	97	94	93	85	83
105	603	534	407	318	293
115	813	725	556	438	403
125	709	641	514	418	389
135	523	485	413	355	337
145	391	374	340	310	301
155	321	314	300	287	284
165	283	280	276	272	272
175	259	258	258	258	259
180	256	256	256	256	256

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	23
10-20	75
20-30	143
30-40	218
40-50	179
50-60	89
60-70	47
70-80	27
80-90	11
90-100	116
100-110	441
110-120	567
120-130	475
130-140	328
140-150	217
150-160	140
160-170	79
170-180	25
180	

#### LUMINANCE DATA (cd/m<sup>2</sup>)

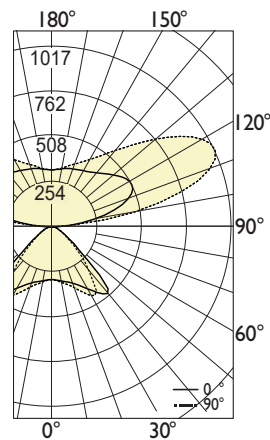
Vertical Angle	Horizontal Angles		
	0	45	90
45	2607	2909	4102
55	1401	1622	1666
65	982	1040	1008
75	900	935	963
85	825	1163	1594

#### VL Optic lens (VL)

CUBLED-SL80\_20-1000-80-35-VL

80% up / 20% down at 1000 lm/ft

#### PHOTOMETRIC CURVE



**Total Lumens: 4000 lm (for 4ft)**

**Luminaire Lumens: 1000 lm**

**Input Watts: 44.6 W**

**Efficacy: 90 lm/W**

IES FILE: CUBLED-SL75\_25-1000-80-35-VL.ies

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	297	297	297	297	297
5	303	303	302	301	300
15	336	334	328	321	319
25	404	399	382	368	363
35	438	445	449	449	451
45	245	246	273	332	385
55	107	112	124	137	127
65	55	54	58	62	57
75	31	29	32	35	33
85	10	12	13	14	18
90	1	1	1	1	1
95	121	118	116	106	104
105	754	667	509	397	367
115	1017	906	696	547	503
125	887	802	643	523	486
135	654	607	516	444	421
145	489	468	425	388	377
155	401	393	375	358	355
165	354	351	344	339	340
175	323	322	322	322	323
180	320	320	320	320	320

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	29
10-20	94
20-30	179
30-40	272
40-50	224
50-60	112
60-70	58
70-80	34
80-90	14
90-100	145
100-110	551
110-120	709
120-130	594
130-140	411
140-150	271
150-160	175
160-170	98
170-180	31
180	

#### LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3258	3637	5128
55	1751	2027	2082
65	1228	1301	1260
75	1125	1168	1204
85	1032	1454	1993