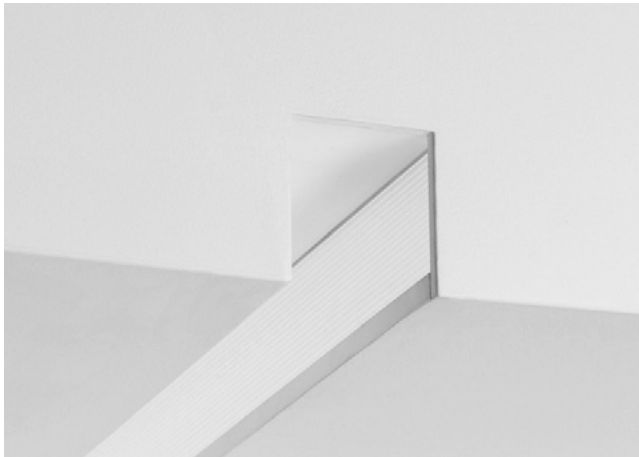




NOTCH 2 - VSI Asymmetric - NT2-A

Specification Data



D2 - Drywall Trimless shown with (E) Dado Endcap option

Luminaire	NOTCH 2 - VSI 100 Dn Asymmetric (NT2-A)	Type
Project		
Product		
Notes		

Performance Summary	VSI - 100 Down Asymmetric	
	A	B
Light (lm)	350	400
Energy (W)	5.0	6.0
Efficacy (lm/W)	69	67t
Color Rendering (CRI)	80+	80+
Color Accuracy (SDCM)	< 2	< 2
L70 Estimate (h)	200,000	200,000
Lumen Maintenance per TM21 (@ 60,000 h)	L90	L90

Summary values are nominal and based on 4000K CCT.



SPECIFICATION

NT2	A	OPTIONS									
1	2	3	4	5	6	7	8	9	OPTIONS		
<b>1. FAMILY</b>	<b>2. VERSION</b>	<b>3. TRIM / CEILING</b>		<b>4. DISTRIBUTION</b>		<b>5. LIGHT + ENERGY</b> <sup>2</sup>		<b>6. CCT</b>			
<b>NT2</b> VSI 100 Dn	<b>L</b> Linear Row <b>P</b> Pattern  <b>PATTERN</b> <sup>1</sup> <b>P0</b> Square <b>P1</b> Rectangle <b>P2</b> 2-rows   1-corner <b>P3</b> 3-rows   2-corner <b>P4</b> 4-rows   3-corner <b>P5</b> 5-rows   4-corner	<b>D1</b> Drywall - Trim Flange <b>D2</b> Drywall - Trimless <b>D3</b> Drywall - Drop Radius <b>D4</b> Drywall - Drop Square <b>G1</b> Grid - 9/16" or 15/16" Flat-T <b>G1</b> 9/16" Tegular or Bolt-Slot <b>G1</b> 4" Armstrong TechZone® or 4" USG Logix®		<b>A</b> Asymmetric		<b>A</b> 350 lm + 5w/ft <b>B</b> 400 lm + 6w/ft		<b>30</b> 3000 K <b>35</b> 3500 K <b>40</b> 4000 K			
<b>7. DRIVER</b>	<b>8. VOLTAGE</b>		<b>9. LENGTH</b> <sup>4</sup>		<b>OPTIONS</b>						
<b>E1</b> eldoLED ECO 0-10V Dim 1% <b>E2</b> eldoLED SOLO 0-10V Dim 0.1% <b>E3</b> eldoLED ECO DALI 1% <b>E4</b> eldoLED SOLO DALI Dim 0.1% <b>F1</b> Factory Non- Dim <b>F2</b> Factory 0-10V Dim 3% <b>L1</b> Lutron Hi-Lume 1%-H EcoSystem	<b>M</b> 120 - 277 V <b>3</b> 347 V <sup>3</sup>		<b>XX</b> Drywall - Specify 1ft Increments <b>XX</b> Grid - Specify 2ft Increments <b>LC</b> L Corner (2 ft x 2ft) <b>XN</b> X intersection <sup>5</sup> <b>TN</b> T Intersection <sup>5</sup>		<b>A</b> Alternate Wiring (AV) <b>B</b> Battery Pack <sup>6</sup> <b>C</b> Chicago Plenum <b>E</b> Dado Endcap <sup>7</sup> <b>F</b> 6' Flex Whip (Standalone Only) <b>K</b> Black Trim and Endcap <b>M</b> EM or NL (2nd neutral) <b>P</b> Capsule Endcap <sup>8</sup> <b>T</b> Throughwire Circuit <b>U</b> Throughwire (w / neutral)						

NOTES					
<sup>1</sup> Other pattern options available. See page 4 and/or consult factory.	<sup>2</sup> Add 1w/ft for 347V with E1-4/L1.	<sup>3</sup> 347 V Driver for F1/F2 347 V Transformer & Driver for E1-4 L1.	<sup>4</sup> Minimum is 2 feet.	<sup>5</sup> Available in D2 trim option.	<sup>6</sup> Available for 120-277V in linear 4 or 8 foot.
<sup>7</sup> Available with D2 trim option. Default option is to install in one end only. Call factory for options.	<sup>8</sup> Available in D2 and D3 trim options.				

TRIM OPTIONS

TRIM



D1 - Drywall Trim Flange

TRIMLESS



D2 - Drywall Trimless

DROP TRIM



D3 - Drywall Drop Radius

GRID



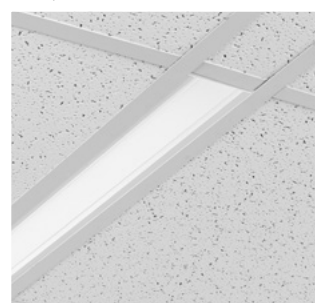
G1 - 9/16" Grid Flat T



OPTIONAL Dado Endcap



D4 - Drywall Drop Square



G1 - 15/16" Grid Flat T



OPTIONAL Capsule Endcap



OPTIONAL Capsule Endcap



G1 - 9/16" Tegular | Slot Grid

NOTE: Use **G1** for 4" Armstrong TechZone® or 4" USG Logix®

OPTICAL

- Anidolic optical system with linear light extraction elements
- Precision extruded high transmittance clear acrylic lenses
- Long life LED system designed for TM21 lumen maintenance  $\geq$  L90 @ 60,000 h
- Available in CCTs 3000 K, 3500 K or 4000 K with CRI  $\geq$  80 and R9  $\geq$  0, all with color accurate binning  $\leq$  2 SDCM

CONSTRUCTION

- 20 ga. satin coat steel housing
- Extruded aluminum flange options available for drywall trim, trimless and t-bar grid ceilings

ELECTRICAL

- Integral high efficiency drivers 120 - 277 V or 347 V; 50 - 60 Hz
- Optional Battery Pack
- Optional flex whip: 6' prewired for standalone
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

ENVIRONMENTAL

- Designed for use in damp or dry indoor environments with room side operating temperatures of 0 - 30° C (32 - 86° F)

WARRANTY

- 5 year limited warranty on all components and workmanship

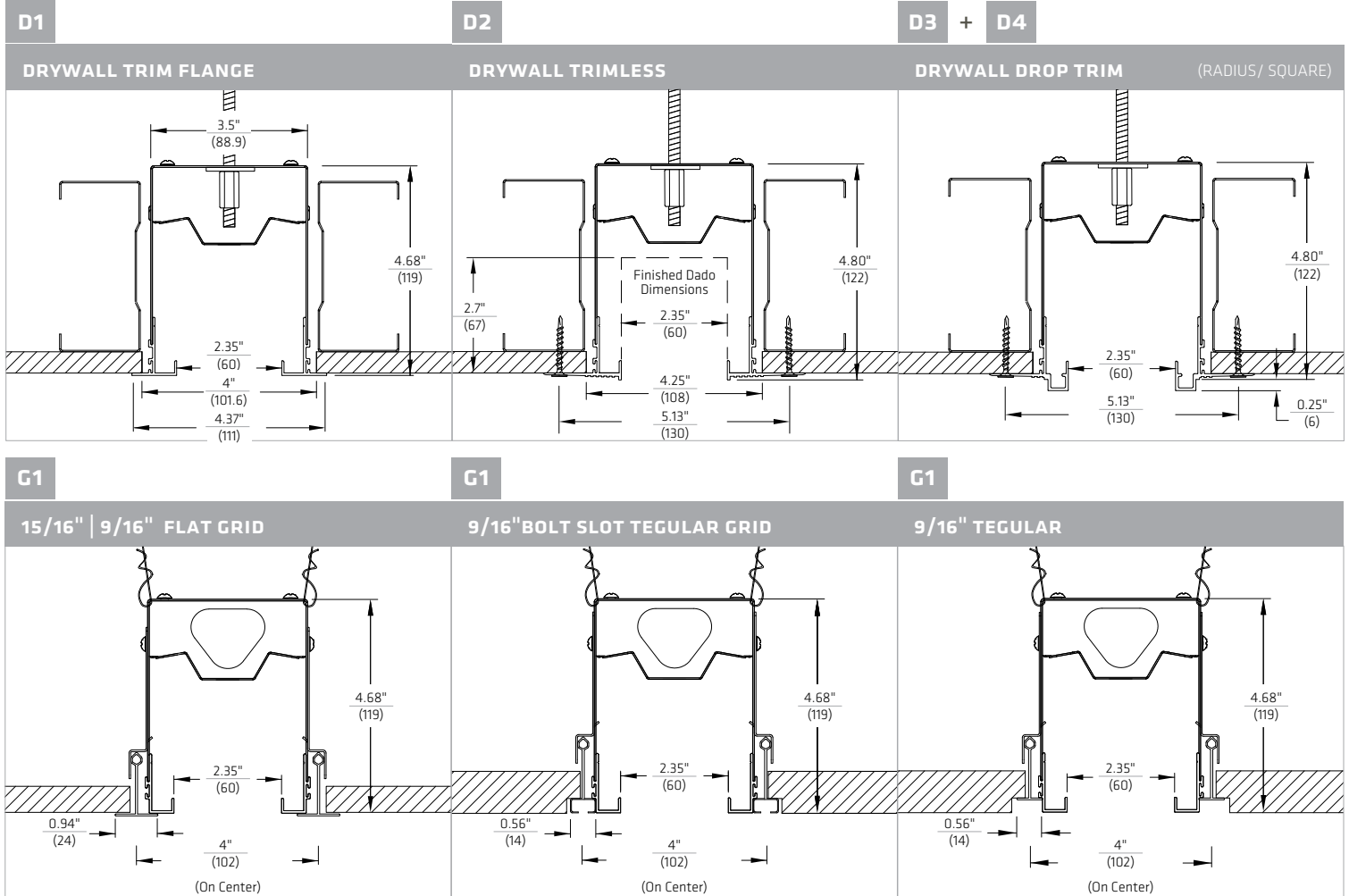
INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED@ 10,000 h)

APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- Lighting Facts®
- IC Rated

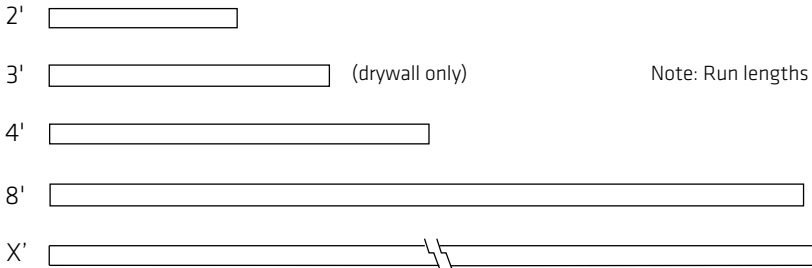
**DIMENSIONS** inches  
(mm)



Grid (G1) is compatible with 4" Armstrong TechZone® and 4" USG Logix® Ceiling Systems

### CONTINUOUS ROWS + STANDALONE FIXTURES

Continuous rows are available in nominal 1' increments in drywall ceilings and in 2' increments on-grid for T-bar ceilings. Standalone fixtures are available in 2', 3', 4', or 8' sizes.

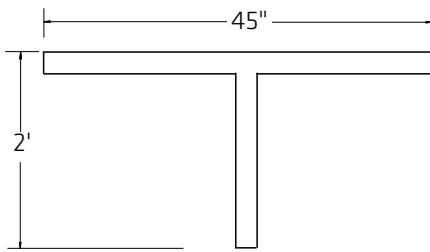


Note: Run lengths are nominal and vary with ceiling condition and trim selections.

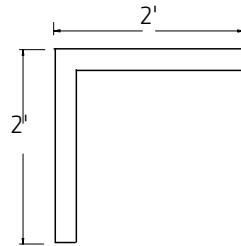
### INTERSECTING FIXTURES

Intersecting sections can be used as standalone fixtures or combined with rows to create illuminated ceiling designs and patterns of light in limitless combinations.

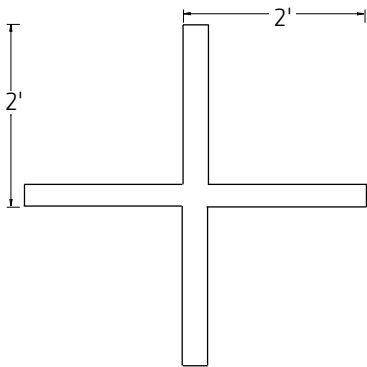
T-INTERSECTION (TN) - CEILING ONLY



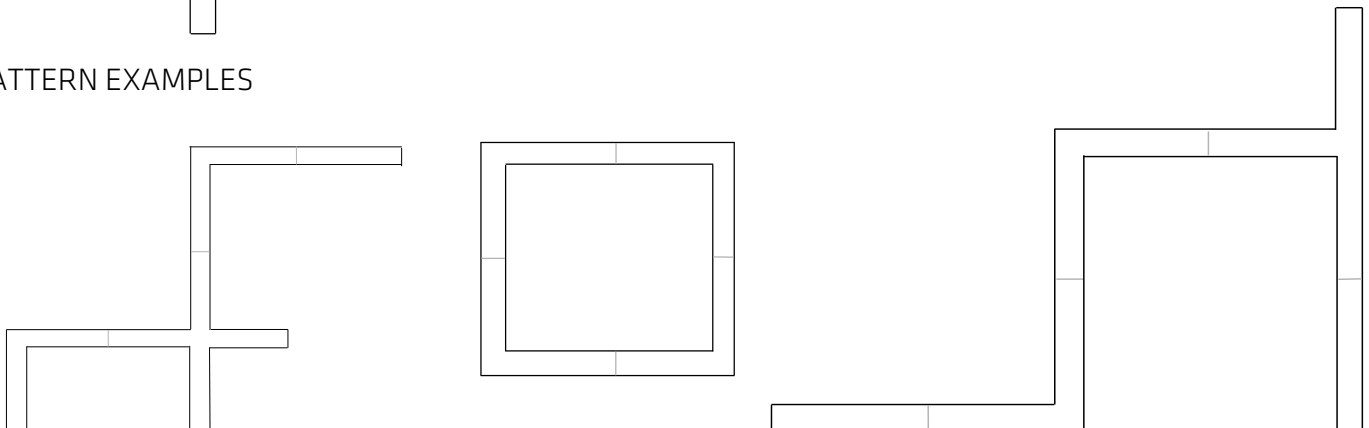
CORNER (LC) - WALL OR CEILING



X-INTERSECTION (XN) - CEILING ONLY



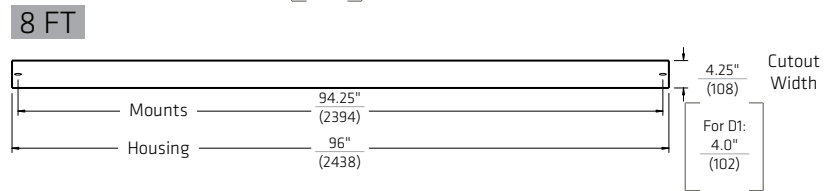
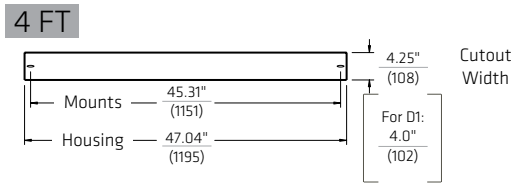
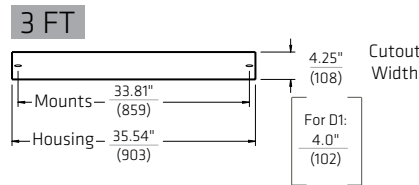
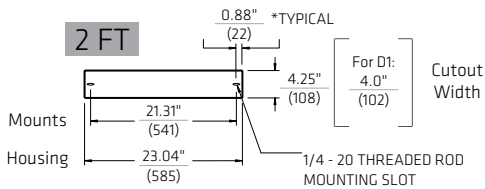
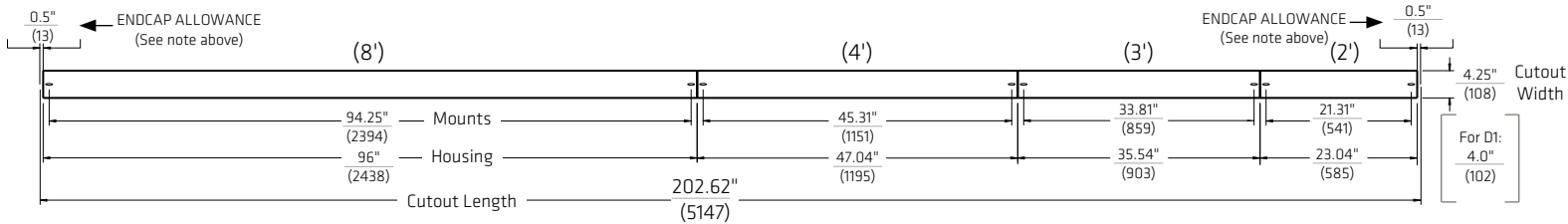
### PATTERN EXAMPLES



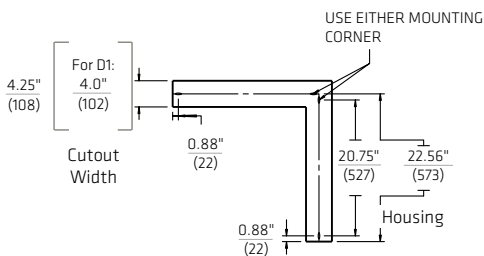
### DRYWALL CUT OUT DIMENSIONS inches (mm)

To determine the overall drywall ceiling cutout length, add an endcap allowance to each end of a straight run, or final leg of an open pattern, as follows: standard flat endcap (D1-D4) - 1/2"; Capsule endcap - 1-3/4"; Dado endcap - 3/16". For corner legs of a pattern, DO NOT add an endcap allowance. Instead, use centerline dimensions and the relevant cutout width for your trim to determine the opening.

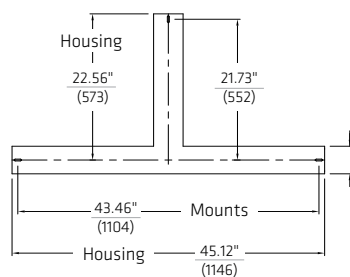
#### Example of a drywall cutout for a 17' run



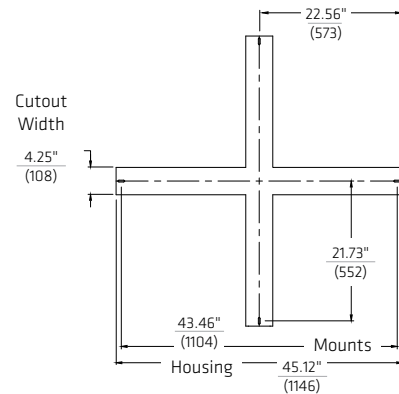
#### CORNER



#### T - INTERSECTION



#### X - INTERSECTION



#### INSTALLATION NOTES:

- Cutout dimensions apply to all drywall trim options.
- For patterns, squares and rectangles, use centerline dimensions with trim cutout width to determine the opening.
- A minimum depth of 5" above ceiling plane or behind wall plane is required.
- Threaded rod or lag bolt mounting is required for ceiling installations only:
  - Ensure 1/4 - 20 threaded rod length is cut between 3.25" - 4.25" above finished ceiling plane
  - 2 threaded rods required for each linear housing (3 for Corner and T's, 4 for X housing).

Light + Energy	<b>A - 350 lm + 5.0w/ft</b>	Description	Performance Summary					Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	NT2-AA40	4ft luminaire 100 Dn A Lumens CCT 4000 K	CCT Color Temperature	4000 K	1323	19.16	69.1	83.5	11.4	< 2			
Report	11596156.09			3500 K	1304	19.16	68.1	83.5	11.4	< 2			
				3000 K	1286	19.16	67.1	82	4.7	< 2			

100% Dn

**CANDLEPOWER DISTRIBUTION**

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	90	90	90	90	90
5°	87	97	108	118	128
15°	81	118	155	193	230
25°	71	138	206	273	340
35°	60	148	236	325	413
45°	49	138	227	315	404
55°	42	107	171	236	300
65°	37	72	106	141	175
75°	31	40	48	56	64
85°	21	21	22	22	23
90°					20
95°					
105°					
115°					
125°					
135°					
145°					
155°					
165°					
175°					
180°					

**LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Fixture
0-30°	393	N.A.	30
0-60°	1076	N.A.	81
0-90°	1322	N.A.	100
90-180°	0	N.A.	0
<b>Total Luminaire</b>	<b>1322</b>	<b>N.A.</b>	<b>100</b>

**LUMINANCE DATA (CD/M<sup>2</sup>)**

Vertical Angle	0°			45°			90°		
	0°	45°	90°	0°	45°	90°	0°	45°	90°
45°	1020	9903	5677						
55°	1074	6123	4776						
65°	1279	4862	4471						
75°	1766	4356	4023						
85°	3468	1960	1893						

**CO-EFFICIENTS OF UTILIZATION**

Floor Ceiling Wall	80				70				20					
	70	50	30	10	70	50	30	10	50	30	10	10	0	
0	119	119	119	119	116	116	116	111	111	106	106	102	102	100
1	109	105	100	97	106	102	95	98	92	94	89	91	87	85
2	100	91	85	79	97	90	78	86	76	83	75	80	73	71
3	91	81	73	66	88	79	66	76	64	73	63	71	62	60
4	83	72	63	56	81	70	56	68	55	65	54	63	54	51
5	77	64	55	49	75	63	48	61	48	59	47	57	47	45
6	71	58	49	42	69	57	42	55	42	53	41	52	41	39
7	66	52	43	37	64	51	37	50	37	48	37	47	36	34
8	61	47	39	33	59	47	33	45	33	44	33	43	32	31
9	57	43	35	30	55	43	30	42	29	41	29	40	29	27
10	53	40	32	27	52	39	27	38	27	37	26	37	26	25

Integrating Sphere and Photometric results at 4000K by an independent accredited testing laboratory per IES LM-79-2008 and ANSI C78.377-2011. Results for 3000K, 3500K scaled based on integrating sphere results for NT2-A 23W(B) and NT2-B. Candlepower Distribution scaled per total lumens of Integrating Sphere results.

Light + Energy	<b>B - 400 lm + 6.0w/ft</b>	Description	Performance Summary					Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	NT2-AB40	4ft luminaire 100 Dn, B Lumens CCT 4000 K	CCT Color Temperature	4000 K	1586	23.67	67	83.5	11.2	< 2			
Report	11596156.10			3500 K	1564	23.67	66.1	83.5	11.2	< 2			
				3000 K	1541	23.67	65.1	82	4.7	< 2			

100% Dn

**CANDLEPOWER DISTRIBUTION**

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	107	107	107	107	107
5°	104	117	129	141	153
15°	97	142	186	231	276
25°	85	166	247	327	408
35°	71	177	283	389	495
45°	59	165	272	378	484
55°	51	128	205	282	360
65°	44	86	127	169	210
75°	38	47	57	67	77
85°	25	26	26	27	24
90°					
95°					
105°					
115°					
125°					
135°					
145°					
155°					
165°					
175°					
180°					

**LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Fixture
0-30°	471	N.A.	30
0-60°	1290	N.A.	81
0-90°	1585	N.A.	100
90-180°	0	N.A.	0
<b>Total Luminaire</b>	<b>1585</b>	<b>N.A.</b>	<b>100</b>

**LUMINANCE DATA (CD/M<sup>2</sup>)**

Vertical Angle	0°			45°			90°		
	0°	45°	90°	0°	45°	90°	0°	45°	90°
45°	1223	11871	6805						
55°	1288	7340	5723						
65°	1534	5829	5363						
75°	2122	5225	4824						
85°	4155	2346	2279						

**CO-EFFICIENTS OF UTILIZATION**

Floor Ceiling Wall	80				70				20					
	70	50	30	10	70	50	30	10	50	30	10	10	0	
0	119	119	119	119	116	116	116	111	111	106	106	102	102	100
1	109	105	100	97	106	102	95	98	92	94	89	91	87	85
2	100	91	85	79	97	90	78	86	76	83	75	80	73	71
3	91	81	73	66	88	79	66	76	64	73	63	71	62	60
4	83	72	63	56	81	70	56	68	55	65	54	63	54	51
5	77	64	55	49	75	63	48	61	48	59	47	57	47	45
6	71	58	49	42	69	57	42	55	42	53	41	52	41	39
7	66	52	43	37	64	51	37	50	37	48	37	47	36	34
8	61	47	39	33	59	47	33	45	33	44	33	43	32	31
9	57	43	35	30	55	43	30	42	29	41	29	40	29	27
10	53	40	32	27	52	39	27	38	27	37	26	37	26	25