#### DESCRIPTION

Corelite has reinvented itself with the introduction of the DIVIDE series powered by Wavestream™ LED. The broad offering of efficient LED products include a complete family of recessed, suspended, surface, and wall mounted luminaires. A modern and low profile design is taken to a whole new level with functionally engineered features for practical use. High performing Accu-Aim™ optics allow for maximum energy savings while achieving desired light levels. The Corelite DIVIDE series is ideal for open offices, private offices, conference rooms, reception areas, retail, hallways, and educational facilities.

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Catalog #	Туре
Project	
Comments	Date
Prepared by	

### SPECIFICATION FEATURES

### Construction

Low profile housing and integral gear tray constructed from extruded Aluminum and dieformed 20 gauge cold rolled steel. Maximum 6 lb/ft.

## **End Caps**

Precisely engineered 2 piece die cast magnesium alloy end caps attach mechanically to the end of the fixture without exposed fasteners visible from the below the fixture.

### Lens

Lens is an optical grade acrylic embedded with patented Accu-Aim™ micro-optics for optimal distribution, low glare, and high performance.

### Reflectors

Internal reflectors are high reflectance white powder coat painted steel.

### **Finish**

Fixture housings are high reflectance white using electrostatically applied polyester powder coat paint. ROHS Compliant.

## **LED System**

Fixture equipped with proprietary Cooper edgelit LED modules available in 3000, 3500, or 4000K color temperatures with a CRI ≥ 82 nominal. LED modules are precisely coupled with acrylic lens for optimal performance. Binning: Per ANSI, 3-step MacAdam Ellipse. LED modules are located on outer edge of light fixture for ideal thermal management and increased product life.

### **Electrical**

LED modules are driven using a universal constant current LED driver (Power Factor ≥ 0.9). Fixture and modules are certified to cULus – Damp Location standards and IC Rated. 0-10V dimming control is standard. Integral Fifth Light DALI drivers are available for as an option for complete digital energy management.

## Mounting

Aircraft cable mounts on 4'-0" and 8'-0" centers. Fixture is balanced to allow for minimal leveling and simple installation. Refer to installation instructions for various ceiling interface details.

## Reflectors (Optional)

Dust Cover (DC) option is a clear formed polycarbonate for worry free cleaning and protection. Frosted Cover (FC) option is a frosted formed polycarbonate for worry free cleaning, reduced uplight, and protection. Solid Cover kit (SC) reflectors are high reflectance white powder coat painted steel.

### Life and Warranty

LED system rated for a minimum of L70 @ 50,000 hours (Light Level 5). Five-year warranty.

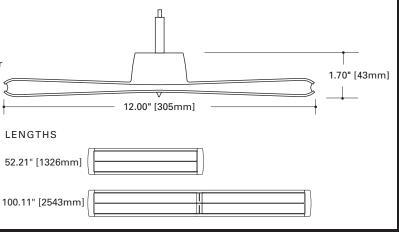


Corelite

# **DIVIDE** Suspended

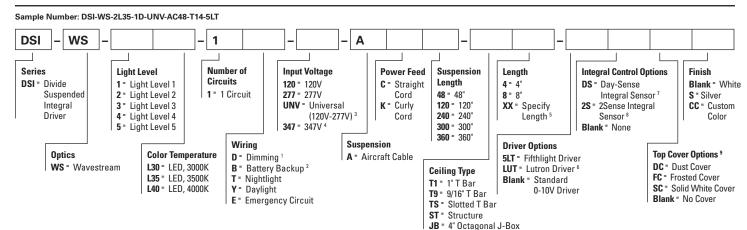
LED

4', 8', Continuous





## ORDERING INFORMATION

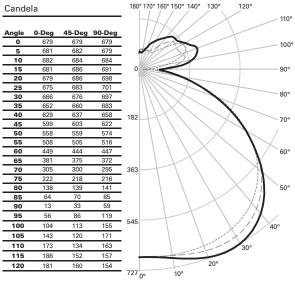


## **PHOTOMETRICS**

## DSI-WS-1L40- Candela 1C-UNV-4

3459 Lumens 32.0 Watts 108 LPW

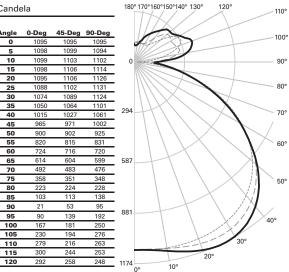
Test Report 1,890



## DSI-WS-3L35- Candela

1C-UNV-4 5576 Lumens 56.8 Watts 98.2 LPW

Test Report 1,896



## **Coefficients of Utilization**

Effective floor cavity reflectar	200

			)%		VILY I		)%			50%			30%			10%		0%
rc																		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	102	97	93	89	97	93	89	85	84	81	78	76	74	71	69	67	65	61
2	93	84	77	71	88	80	74	69	73	68	63	66	62	58	59	56	53	50
3	84	73	65	58	79	70	62	56	63	57	52	57	52	48	52	48	44	41
4	76	64	56	49	72	61	53	47	56	49	44	51	45	41	46	41	38	35
5	70	57	48	41	66	55	46	40	50	43	37	45	39	35	41	36	32	30
6	64	51	42	36	61	49	41	35	45	38	32	41	35	30	37	32	28	25
7	59	46	37	31	56	44	36	30	40	33	28	37	31	26	33	28	25	22
8	55	42	33	27	52	40	32	27	37	30	25	33	28	23	30	26	22	20
9	51	38	30	24	49	36	29	24	33	27	22	31	25	21	28	23	20	17
10	48	35	27	22	45	33	26	21	31	24	20	28	23	19	26	21	18	16

## **Zonal Lumen Summary**

Zone	Lumens	% Fixture
0-30	586	16.9
0-40	1011	29.2
0-60	1934	55.9
0-90	2608	75.4
90-120	468	13.5

4' Divide Suspended and Surface LED Light Level Outputs								
Light Level	Wattage	Lumens (delivered)	Efficacy (LPW)	Fluorescent Equivalent	Energy Savings*			
1	31.8	3290	103	1T5HO	46%			
2	45.4	4622	102	2T5	29%			
3	56.9	5576	98	2T5HO	51%			
4	74.4	7157	96	3T5	22%			
5	94.4	8731	92	3T5HO	46%			
*Ene	*Energy savings based upon standard lamp/ballast combinations using an equivalent I2 fluorescent with frosted lens.							

### **Coefficients of Utilization**

Effective f	floor cavity	<u>/ reflectance</u>

RCR         113 113 113 113 113 113 113 113 113 113	0 0
0         113 113 113 113 113 113 108 108 108 108 108 97 97 97 97 88 88 88 79 79           1         102 97 93 89 97 93 89 85 84 81 78 76 74 71 69 67           2         93 84 77 71 88 88 07 4 69 73 68 63 66 62 58 59 56           3         84 73 65 58 79 70 62 56 63 57 52 57 52 48 52 48           4         76 64 56 49 72 61 53 47 56 49 44 51 45 41 46 41           5         70 57 48 41 66 55 46 40 50 43 37 45 39 35 41 36	
1         102         97         93         89         97         93         89         85         84         81         78         76         74         71         69         67           2         93         84         77         71         88         80         74         69         73         68         63         66         62         58         59         56           3         84         73         65         58         79         70         62         56         63         57         52         48         52         48           4         76         64         56         49         72         61         53         47         56         49         44         51         45         41         46         41           5         70         57         48         41         66         55         46         40         50         43         37         45         39         35         41         36	
2         93         84         77         71         88         80         74         69         73         68         63         66         62         58         59         56           3         84         73         65         58         79         70         62         56         63         57         52         57         52         48         52         48           4         76         64         56         49         72         61         53         47         56         49         44         51         45         41         46         41           5         70         57         48         41         66         55         46         40         50         43         37         45         39         35         41         36	79 75
3     84     73     65     58     79     70     62     56     63     57     52     57     52     48     52     48       4     76     64     56     49     72     61     53     47     56     49     44     51     45     41     46     41       5     70     57     48     41     66     55     46     40     50     43     37     45     39     35     41     36	61
4         76         64         56         49         72         61         53         47         56         49         44         51         45         41         46         41           5         70         57         48         41         66         55         46         40         50         43         37         45         39         35         41         36	53 50
<b>5</b> 70 57 48 41 66 55 46 40 50 43 37 45 39 35 41 36	14 41
	38 35
<b>6</b> 64 51 42 36 61 49 41 35 45 38 32 41 35 30 37 32	32 30
	28 25
<b>7</b> 59 46 37 31 56 44 36 30 40 33 28 37 31 26 33 28	25 22
<b>8</b> 55 42 33 27 52 40 32 27 37 30 25 33 28 23 30 26	22 20
<b>9</b> 51 38 30 24 49 36 29 24 33 27 22 31 25 21 28 23	20 17
<b>10</b> 48 35 27 22 45 33 26 21 31 24 20 28 23 19 26 21	18 16

## **Zonal Lumen Summary**

Zone	Lumens	% Fixture
0-30	945	16.9
0-40	1630	29.2
0-60	3118	55.9
0-90	4204	75.4
90-120	755	13.5

### Notes:

- Dimming wires come standard with all fixtures. Controls wires can be capped in the field for standard switched circuit operation.
   Only one battery pack per 4' fixture. Battery is not available in Light Level 5.
   This option accommodates 120/220/240/277V at 60Hz.

- This option accommodates 120/z2u/z4u/z/1/ at 0Urt.
  347V is achieved using a remote mounted transformer.
  Continuously mounted standard row configurations over 8' consist of 4' and 8' sections.
  Lutron Driver not available in Light Levels 4 and 5.
  Sensor must be combined with 0-10V dimming driver.
  Sensor must be combined with 0-10V dimming driver.

- Top cover options cannot be combined with any other top cover options.

