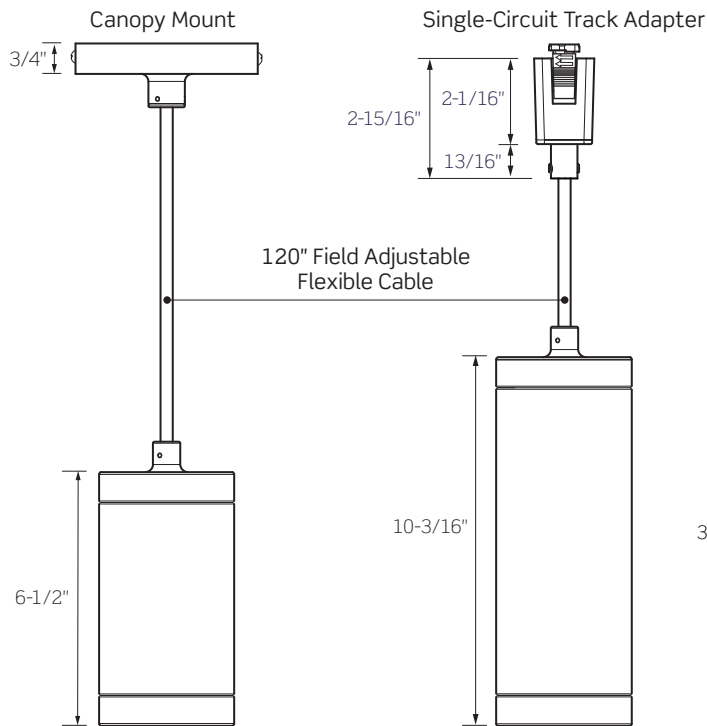
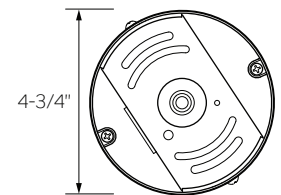


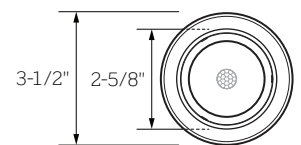
## CY3 FC SERIES | 3-1/2-Inch Round Indoor Cylinders: Flexible Cable Pendant Mount



Top View: Indoor/Outdoor Canopy Mount



Bottom View: Indoor



	CY3S1/CY3T1	CY3S2/CY3T2	CY3S3/CY3T3
WATTAGE	10W	14W	20W
LUMEN OUTPUT <sup>1</sup>	1200Lm	1653Lm	2286Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K		
CRI	83 (80min) / 90+		
BEAM	13° Spot / 29° Medium / 44° Flood / 60° Wide Flood / Wall Wash		
LUMINAIRE HEIGHT	6-1/2-Inches (Short) / 10-3/16-Inches (Tall)		
FINISHES	Matte Black / Satin Bronze / Matte White / Matte Silver / Custom Colors Available		
DRIVER INPUT WATTAGE	10W	14W	20W
DRIVER INPUT VOLTAGE	120V – 277V Dimming, 50/60Hz		
DIMMING TYPE	120V Forward or Reverse Phase 120V – 277V 0-10V Lutron HiLume™ EcoSystem®		
LISTINGS	cCSAus Certified for use in the U.S. and Canada; Suitable for Damp/Dry locations Cylinders must be installed per specific product installation instructions and all appropriate NEC Codes ENERGY STAR® Certified		
WARRANTY	Five (5) year replacement after date of purchase		
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance		

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

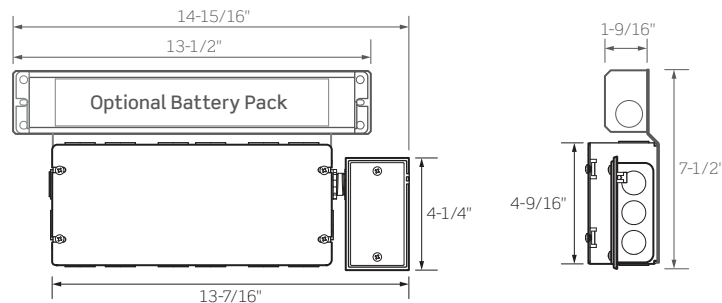
## CY3 FC SERIES | 3-1/2-Inch Round Indoor Cylinders: Flexible Cable Pendant Mount

### ORDERING INFORMATION

Example Order: CY3230K12D1FCM-P

Cyl. Height	LED Series	CCT/CRI	Driver/Dimming	Mounting	Beam	Finish
<b>CY3S</b> 6-1/2" <b>CY3T</b> 11"	<b>1</b> 10W/ 1200lm <b>2</b> 14W/ 1653lm <b>3</b> 20W/ 2286lm	<i>83 (80min) CRI</i> <b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K  <i>90 CRI</i> <b>27KC</b> 2700K <b>30KC</b> 3000K <b>35KC</b> 3500K <b>40KC</b> 4000K	<b>12D1</b> 120V Forward or Reverse Phase <b>MVD2</b> 120V-277V 0-10V Dimming <b>MVD4<sup>2</sup></b> Lutron HiLume™ 1% EcoSystem® Driver with Soft-On, Fade-to-Black	<b>FC</b> Flexible Cable Pendant <b>TFC<sup>3</sup></b> Flexible Cable Pendant with Track Adapter	<b>S</b> 13° Spot <b>M</b> 29° Medium <b>F</b> 44° Flood <b>WF</b> 60° Wide Flood <b>WW<sup>4</sup></b> Wall Wash	<b>B</b> Matte Black <b>BZ</b> Satin Bronze <b>P</b> Matte White <b>S</b> Matte Silver <b>CC<sup>5</sup></b> Custom Color

Battery and Remote Enclosure <sup>6</sup>
None, Leave Blank <b>RDB</b> Remote Driver & Battery Pack <b>RD</b> Remote Driver Enclosure



**RDB:** Remote Driver & Battery Pack  
**Battery Flexible Conduit Whips**  
Not Pictured  
**RD:** Remote Driver Enclosure

- Lutron HiLume Drivers must use Remote Driver Enclosure (RD Option)
- Flexible Cable Pendant with Track Adapter (TFC Mount) only available with 12D1 Driver Option; RD and RDB Options not available
- Wall Wash Optic (WW) is not field interchangeable with Spot, Medium, Flood and Wide Flood Optics
- Custom Color finishes available; consult factory for pricing, minimum order quantities and lead time
- For Wet Location Cylinders ordered with RD/RDB Remote Enclosures, the RD/RDB Enclosure **must** be mounted in Dry/Damp Locations and the Cylinder Luminaire may be mounted in Wet Locations

### ACCESSORY ORDERING INFORMATION

#### REPLACEMENT OPTICS

Optic
<b>CY3-OPTIC-S</b> 13° Spot Beam <b>CY3-OPTIC-M</b> 29° Medium Beam <b>CY3-OPTIC-F</b> 44° Flood Beam <b>CY3-OPTIC-WF</b> 60° Wide Flood Beam
<i>Spot (S), Medium (M), Flood (F), and Wide Flood (WF) Optics are not interchangeable with Wall Wash (WW) options</i>

#### ACCESSORIES

Accessory
<b>FA-47</b> Accessory Holder <b>FA-16 60MM</b> 2-3/8-In. Dia. Black Honeycomb Louver; Requires FA-47 Accessory Holder

#### TEMPERED GLASS LENSES

Lens	Finish
<b>LF16</b>	<b>73</b> Spread Lens <b>LS</b> Linear Spread <b>SL</b> Soft Light <b>SOL</b> Solite <b>CL</b> Clear  <b>A</b> Amber <b>B</b> Blue <b>DPE</b> Dichroic Peach <b>G</b> Green <b>LB</b> Light Blue  <b>R</b> Red <b>RO</b> Rose <b>Y</b> Yellow

Example Order: LF16-A-60MM

Size
<b>60MM</b> 2-3/8-Inch Diameter Tempered Glass Lenses and Filters: 1/8-Inch Thick, typical Requires FA-47 Accessory Holder

## CY3 FC SERIES | 3-1/2-Inch Round Indoor Cylinders: Flexible Cable Pendant Mount

### PRODUCT SPECIFICATIONS

#### CONSTRUCTION

- Specification Grade 3-1/2-inch diameter Aluminum Housing
- Suitable for Dry/Damp (Indoor) Location types
- Available in 6-1/2- and 11-inch heights
- Includes 120-inches (10 feet) of Field Adjustable 18/3 or 18/5 SJT Cable
- Black Flexible Cable with Black or Bronze Cylinders, White with White Cylinders and Gray with Silver Cylinders

#### PERFORMANCE SUMMARY

- Available in 13° Spot, 29° Medium, 44° Flood and 60° Wide Flood Beam Distributions, as well as a Wall Wash option
- Wall Wash Optic may be rotated 360° to aim distribution pattern
- Optics have been optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare

- Optics can be easily changed in the field for optimal flexibility; Wall Wash Optic (WW) is not field interchangeable with Spot, Medium, Flood, or Wide Flood Optics
- 2700K, 3000K, 3500K and 4000K Color Temperatures; CRI of 80 min., 83 typical; high CRI of 90+ available
- Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- Battery Backup option provides 90 minutes of power
- UL8750 and Class 2 compliant: RoHS compliant, U.S. only
- Output over voltage, over current and short circuit protected
- CY3 Cylinders are available for non-dimming and dimming applications

### DIMMING SPECIFICATIONS

- Incandescent 120VAC Dimmers adjust the light with forward phase control, where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source; no neutral wire connection required
- Electronic Low Voltage 120VAC Dimmers adjust the light with reverse phase control, where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source; neutral wire connection required
- 0-10V DC Low Voltage Dimmers operate using two (2) low voltage dimming wires that are separate from the 120V or 277V AC power. The Dimmer sends a variable output voltage to the luminaire based upon the dimming level. 10V Corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power input (120V or 277V AC) to the Dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the Dimmer and the Driver. The control signal runs on two low voltage control wires (color coded violet and pink/gray).
- Lutron EcoSystem Drivers provide continuous dimming from 1%-100%; for a complete list of compatible dimmers and controls, please visit [www.lutron.com](http://www.lutron.com)

Dimming Option 12D1 or MVD2			
Manufacturer	Product	Model	Light Output
Leviton	IllumaTech	IPI06-1LZ	1%-100%
Leviton	SureSlide	6631-2	1%-100%
Leviton	Vizia	VPE06	9%-100%
Leviton	Trimatron	6683-IW	4%-100%
Leviton	Decora	6161	15%-100%
Leviton	SureSlide	6633-P	0%-100%
Leviton	IllumaTech	IPE04	6%-100%
Leviton	IllumaTech	IP710-DLX	N/A
Lutron	Ariadni	TGCL-153P	4%-100%
Lutron	Ariadni	TG-600P	11%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Diva	DV600P	0%-100%
Lutron	Diva	DVELV303P	6%-100%
Lutron	Diva	DVTV	N/A
Lutron	Faetra	FAELV500	12%-100%

Dimming Option 12D1 or MVD2			
Manufacturer	Product	Model	Light Output
Lutron	Lumea	LG600P	5%-100%
Lutron	Maestro	MAELV600	11%-100%
Lutron	Nova	NFTV	N/A
Lutron	Nova T	NTFTV	N/A
Lutron	Skylark	S-603PG	4%-96%
Lutron	Skylark	S600P	1%-100%
Lutron	Skylark	SELV300P	7%-100%
Lutron	Skylark	CT103P	9%-100%
Pass & Seymour	Titan	CD4FB-W	N/A
Watt Stopper	Miro Decorator	DCLV1	N/A
Synergy		ISD BC	N/A
Cooper	Devine	DLC03P	1%-100%
Cooper	Skye	SLC03P	0%-100%
Cooper	Decorator	DAL06P	0%-100%

\*277V Forward Phase Dimming is not available

#### NOTES

1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

## CY3 SERIES | 3-1/2-Inch Round Indoor/Outdoor Cylinders: Photometry

### CY3S330K12D1CS: 3000K SPOT

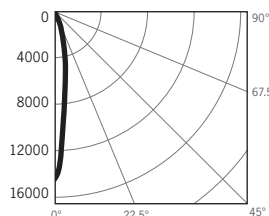
LM-63 Test No. G24020204; LM-79 Test No. S24020101

Fixture Delivered Lumens: 2197.22  
Total Watts@120V: 19.679  
Lumens Per Watt: 111.534  
Center Beam Candle Power: 14522  
Beam Distribution: 12.54°  
Spacing Criterion: 0.3135  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3101K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

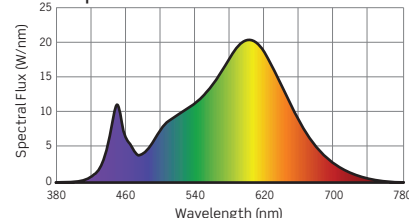
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	907.6	0.88
6 FT	403.4	1.32
8 FT	226.9	1.76
10 FT	145.2	2.20
12 FT	100.8	2.64
14 FT	74.1	3.08

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



### CY3S330K12D1CM: 3000K MEDIUM

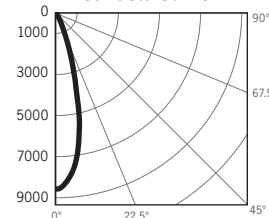
LM-63 Test No. G24020203; LM-79 Test No. S24020101

Fixture Delivered Lumens: 2285.87  
Total Watts@120V: 19.672  
Lumens Per Watt: 116.034  
Center Beam Candle Power: 8583  
Beam Distribution: 29.28°  
Spacing Criterion: 0.4628  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3101K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

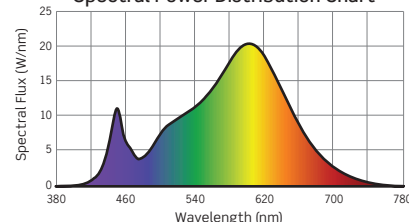
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	536.4	2.09
6 FT	238.4	3.13
8 FT	134.1	4.18
10 FT	85.8	5.22
12 FT	59.6	6.24
14 FT	43.8	7.31

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



### CY3S330K12D1CF: 3000K FLOOD

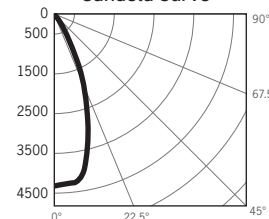
LM-63 Test No. G24020205; LM-79 Test No. S24020101

Fixture Delivered Lumens: 2263.94  
Total Watts@120V: 19.675  
Lumens Per Watt: 114.921  
Center Beam Candle Power: 4311  
Beam Distribution: 43.77°  
Spacing Criterion: 0.6604  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3101K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

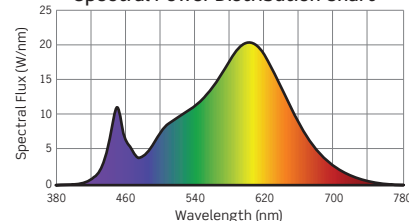
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	269.4	3.21
6 FT	119.7	4.82
8 FT	67.4	6.43
10 FT	43.1	8.03
12 FT	29.9	9.64
14 FT	22.0	11.25

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on CCT. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

CCT MULTIPLIERS		
CCT	STANDARD CRI	HIGH (90+) CRI
2700K	0.949	0.842
3000K	1.00	0.872
3500K	1.02	0.895
4000K	1.04	0.916

OUTPUT MULTIPLIERS		
10W	14W	WET LOCATION OPTION
0.525	0.723	0.922

## CY3 SERIES | 3-1/2-Inch Round Indoor/Outdoor Cylinders: Photometry

### CY3S330K12D1CWF: 3000K WIDE FLOOD

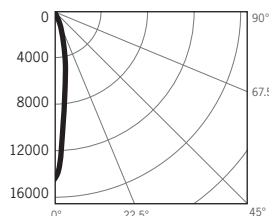
LM-63 Test No. G24020206; LM-79 Test No. S24020101

Fixture Delivered Lumens: 1854.25  
Total Watts@120V: 19.675  
Lumens Per Watt: 94.1245  
Center Beam Candle Power: 1876  
Beam Distribution: 59.89°  
Spacing Criterion: 0.882  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3101K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

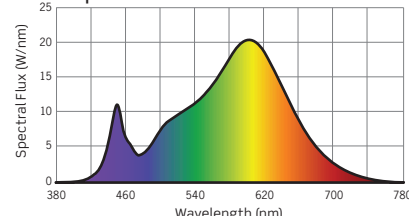
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	117.2	4.61
6 FT	52.1	6.91
8 FT	29.3	9.22
10 FT	18.8	11.52
12 FT	13.0	13.83
14 FT	9.6	16.13

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



### CY3S330K12D1CWW: 3000K WALL WASH

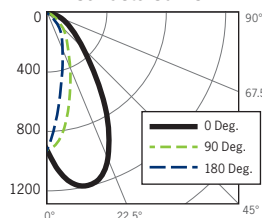
LM-63 Test No. G24020203; LM-79 Test No. S24020101

Fixture Delivered Lumens: 997.225  
Total Watts@120V: 19.718  
Lumens Per Watt: 50.6206  
Center Beam Candle Power: 927  
Beam Distribution: 50.35°  
Spacing Criterion: 0.8078  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3101K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

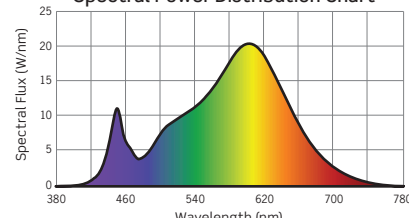
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	57.9	4.08
6 FT	25.7	6.08
8 FT	14.5	8.11
10 FT	9.3	10.14
12 FT	6.4	12.16
14 FT	4.7	14.19

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on CCT. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

CCT MULTIPLIERS		
CCT	STANDARD CRI	HIGH (90+) CRI
2700K	0.949	0.842
3000K	1.00	0.872
3500K	1.02	0.895
4000K	1.04	0.916

OUTPUT MULTIPLIERS		
10W	14W	WET LOCATION OPTION
0.525	0.723	0.922

## BUG RATINGS

Not valid for Wall Mount (W) when oriented as an Uplight

REFLECTOR					
	SPOT	MEDIUM	FLOOD	WIDE FLOOD	WALL WASH <sup>7</sup>
10W	B1 U0 G0	B1 U0 G0	B1 U0 G0	B1 U0 G0	B0 U0 G0
14W	B1 U0 G0	B1 U0 G0	B1 U0 G0	B1 U0 G0	B1 U0 G0
20W	B2 U0 G0	B2 U0 G0	B2 U0 G0	B2 U0 G0	B0 U0 G0

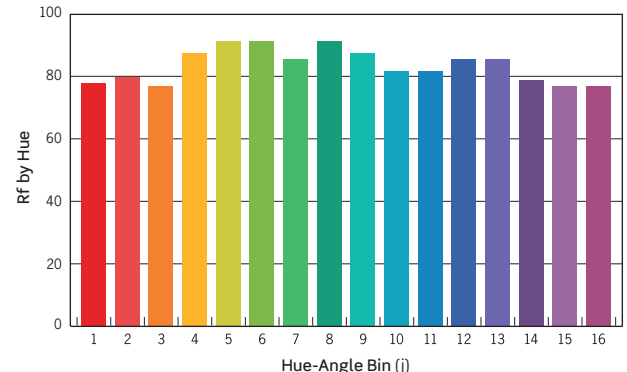
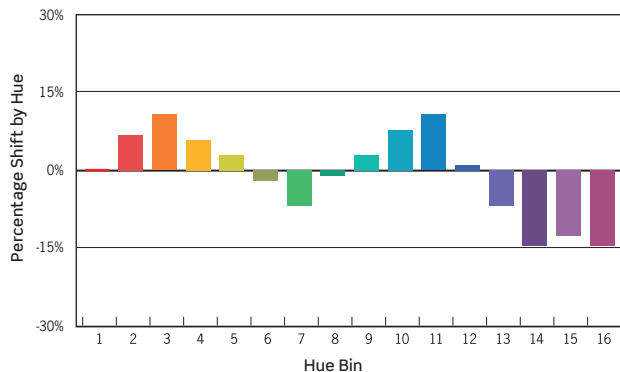
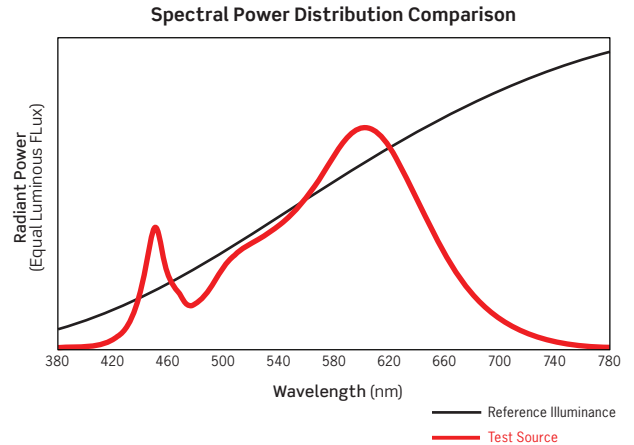
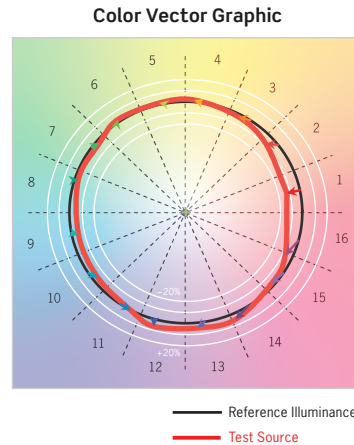
7. Wall Wash Rating based on Reflector used as Forward Throw

## CY3 SERIES | 3-1/2-Inch Round Indoor/Outdoor Cylinders: Photometry

### TM-30 DATA for CY3S330K12D1CM: 3000K, MEDIUM BEAM

ANSI/IES TM-30-18 Color Rendition Report Test No. S24020101

$R_i$	86
$R_g$	96
CCT(K)	3101K
$D_{uv}$	-0.0002
$u^l$	0.2470
$v^l$	0.5196



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	7%	11%	6%	3%	-2%	-7%	-1%	3%	8%	11%	1%	-7%	-15%	-13%	-15%
R <sub>f</sub> VALUE	80	82	79	90	94	94	88	94	90	84	84	88	88	81	79	79

Colors are for visual orientation purposes only