

## CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Ceiling Mount



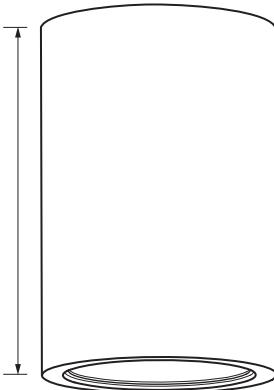
**Nominal Weight:** 5.0Lbs

**Dry/Damp Location:**

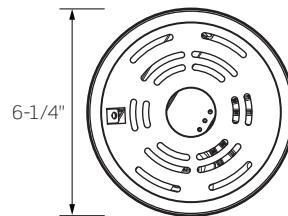
9-5/8"

**Wet Location:**

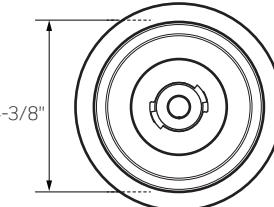
9-7/8"



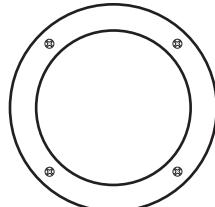
Top View: Indoor/Outdoor



Bottom View: Indoor



Bottom View: Outdoor



cCSAus



Damp



Wet



E-STAR®

Certified

	CYL61	CYL62	CYL63	CYL64	CYL65	CYL66
WATTAGE	10W	14W	20W	28W	36W	43W
LUMEN OUTPUT <sup>1</sup>	1220Lm	1685Lm	2300Lm	3100Lm	3850Lm	4350Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K					
CRI	83 (80min) / 90+					
REFLECTOR BEAM	36° / 54° / 63° / 80° / Wall Wash / Pencil Beam					
REFLECTOR FINISHES	Clear Alzak (Narrow, Medium, Wide) / Platinum (Medium)					
CYLINDER FINISHES	Matte Black / Satin Bronze / Matte White / Matte Silver / Custom Colors Available					
DRIVER INPUT WATTAGE	10W	14W	20W	28W	36W	43W
INPUT CURRENT (A) 120V/277V	.08/.04	.12/.06	.17/.08	.23/.11	.31/.14	.36/.16
INPUT VOLTAGE/DIMMING TYPE						
Standard Driver (Phase/0-10V)	120VAC/277VAC/347VAC, 50/60Hz					
Lutron Eco-System® Driver	120VAC/277VAC, 50/60Hz				N/A	N/A
eldoLED ECOdrive/SOLOdrive	120VAC/277VAC, 50/60Hz					
DIMMING RANGE						
Standard Driver (Phase/0-10V)	10-100%					
Lutron Eco-System® Driver	1-100%					
eldoLED ECOdrive/SOLOdrive	0.1-100%					
DRIVER POWER FACTOR	> 0.90					
TOTAL HARMONIC DISTORTION	< 20%					
LISTINGS	cCSAus Certified for use in the U.S. and Canada; Suitable for Damp/Dry or Wet locations Wet Location Models have a Silicone Sealed Clear Glass Lens in a Gasketed Die-Cast Trim Ring to ensure unit is watertight ENERGY STAR® Certified; Pencil Beam and Wall Wash options are not ENERGY STAR® Certified All models must be installed per specific product installation instructions and all appropriate National Electrical Codes					
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

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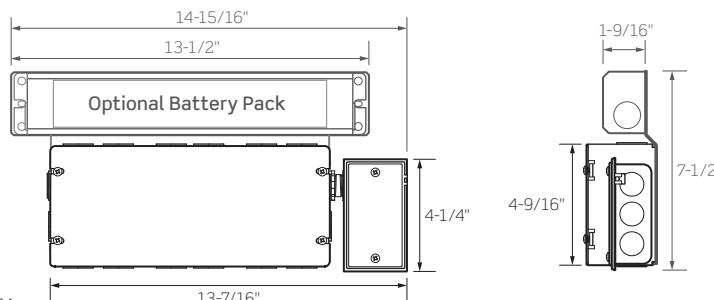
### ORDERING INFORMATION

Example Order: CYL6127KMVD4CXNCLR-BZ

Cylinder	CCT/CRI	Driver/Dimming	Mounting	Mntg Location	Reflector
<b>CYL61</b> 10W/1220lm	83 (80min) CRI	<b>MVD</b> 120V-277V Forward/Reverse Phase / 0-10V Dimming	<b>C</b> Ceiling Mount	Leave Blank for Interior Dry/Damp Locations	<b>Clear Alzak</b>
<b>CYL62</b> 14W/1685lm	<b>27K</b> 2700K	<b>34D2</b> 347V 0-10V Dimming		<b>X</b> Exterior Wet Locations	<b>NCLR</b> 36° Narrow
<b>CYL63</b> 20W/2300lm	<b>30K</b> 3000K	<b>MVD4<sup>2</sup></b> Lutron Hi-lume 1% EcoSystem Driver with Soft-on, Fade-to-Black			<b>MCLR</b> 54° Medium
<b>CYL64</b> 28W/3100lm	<b>35K</b> 3500K	<b>MVD6</b> eldoLED ECOdrive 0-10V, 1% Dimming			<b>WCLR</b> 80° Wide
<b>CYL65</b> 36W/3850lm	<b>40K</b> 4000K	<b>MVD7</b> eldoLED ECOdrive DALI, 1% Dimming			
<b>CYL66</b> 43W/4350lm	<b>90 CRI</b>	<b>MVD8</b> eldoLED SOLOdrive 0-10V, 0.1% Dimming			<b>PL</b> 63° Platinum
	<b>27KC</b> 2700K	<b>MVD9</b> eldoLED SOLOdrive DALI, 0.1% Dimming			<b>WW</b> Wall Wash
	<b>30KC</b> 3000K	<b>MDMX</b> eldoLED POWERdrive DMX <1% Dimming			<b>PB<sup>3</sup></b> Pencil Beam
	<b>35KC</b> 3500K				
	<b>40KC</b> 4000K				

Finish
<b>B</b> Matte Black
<b>BZ</b> Satin Bronze
<b>P</b> Matte White
<b>S</b> Matte Silver
<b>CC<sup>4</sup></b> Custom Color

Battery and Remote Enclosure <sup>5</sup>
None, Leave Blank
<b>RDB<sup>6</sup></b> Remote Driver & Battery Pack
<b>RD<sup>6</sup></b> Remote Driver Enclosure



2. Lutron Dimming Option MVD4 Hi-lume 1% EcoSystem LED Driver is available for CYL61 through CYL64 luminaires only (10W through 28W); not available for use with CYL65 or CYL66 (36W or 43W) Luminaires
3. Pencil Beam (PB) Optic limited to Exterior Mount ("X" Mounting option) locations
4. Custom finish colors available; consult factory for pricing, minimum order quantities and lead time
5. 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
6. RDB and RD Options cannot be used with Lutron Hi-lume Dimming (MVD4 Option) in CYL65 or CYL66 (36W or 43W) Luminaires

**RDB:** Remote Driver & Battery Pack  
**RD:** Remote Driver Enclosure

### DRIVER AVAILABILITY MATRIX

Highest wattage option for each Driver/Dimmer type that will fit inside the luminaire;  
 Driver sizes that do not fit inside the luminaire may be ordered with a Remote Driver Housing (RD), unless otherwise noted with additional restrictions.

Driver/Dimming	Max Wattage	Driver/Dimming	Max Wattage
<b>MVD:</b> 120V-277V Forward/Reverse Phase	Any Wattage	<b>MVD8:</b> eldoLED SOLOdrive 0-10V	Up to 36W / CYL65
<b>MVD4<sup>2</sup>:</b> Lutron Hi-lume 1% EcoSystem	Up to 28W / CYL64	<b>MVD9:</b> eldoLED SOLOdrive DALI	Up to 36W / CYL65
<b>MVD6:</b> eldoLED ECOdrive 0-10V	Up to 36W / CYL65	<b>MDMX:</b> eldoLED POWERdrive DMX	N/A
<b>MVD7:</b> eldoLED ECOdrive DALI	Up to 36W / CYL65	<b>34D2:</b> 347V 0-10V	Any Wattage

### BUG RATINGS

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

#### REFLECTOR

	NARROW	MEDIUM	WIDE	PLATINUM	WALL WASH <sup>7</sup>	PENCIL BEAM
<b>10W</b>	B1 U0 G0	B1 U0 G0	B1 U0 G1	B1 U0 G1	B0 U0 G0	B0 U0 G0
<b>14W</b>	B1 U0 G0	B2 U0 G0	B2 U0 G0	B2 U0 G0	B0 U0 G0	B0 U0 G0
<b>20W</b>	B1 U0 G0	B2 U0 G0	B2 U0 G0	B2 U0 G0	B0 U0 G0	B0 U0 G0
<b>28W</b>	B1 U0 G0	B2 U0 G0	B2 U0 G0	B2 U0 G0	B0 U0 G0	B0 U0 G0
<b>36W</b>	B2 U0 G0	B3 U0 G0	B3 U0 G1	B3 U0 G1	B1 U0 G0	B0 U0 G0
<b>43W</b>	B2 U0 G0	B3 U0 G0	B3 U0 G1	B3 U0 G1	B1 U0 G0	B0 U0 G0

<sup>7</sup>. Wall Wash Rating based on Reflector used as Forward Throw

## CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Ceiling Mount

### PRODUCT SPECIFICATIONS

#### CONSTRUCTION

- Specification Grade 6-inch diameter aluminum housing; suitable for Dry/Damp (indoor) or Wet (outdoor) location types
- Wet Location Cylinders feature a Silicone Sealed Clear Glass Lens in a Gasketed Die-Cast Trim Ring to ensure unit is watertight
- Hang Support/Tether for hands-free wiring

#### PERFORMANCE SUMMARY

- Clear Alzak Reflector is available in 36° Narrow, 54° Medium and 80° Wide beam distributions
- Platinum Reflector is available in a 63° Medium beam distribution

- Wall Wash and Pencil Beam Optic accessories are also available
- Select from 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
- CYL6 Cylinders are available for non-dimming and dimming applications; for dimmer compatibility, see below

### DIMMING SPECIFICATIONS

Manufacturer	Product	Model	MVD Dimming Option 120V-277V Phase <sup>7</sup> /0-10V Dimming	MVD6 Dimming Option 120V-277V eldoLED ECOdrive 0-10V, 1% Dimming	MVD8 Dimming Option 120V-277V eldoLED SOLOdrive 0-10V, 0.1% Dimming
			Light Output	Light Output	Light Output
Leviton	IllumaTech	IPI06-1LZ	1%-100%	N/A	N/A
Leviton	SureSlide	6631-2	1%-100%	N/A	N/A
Leviton	Vizia	VPE06	9%-100%	N/A	N/A
Leviton	Trimatron	6683-IW	6%-100%	N/A	N/A
Leviton	Decora	6161	15%-100%	N/A	N/A
Leviton	SureSlide	6633-P	1%-100%	N/A	N/A
Leviton	IllumaTech	IPE04	6%-100%	N/A	N/A
Leviton	IllumaTech	IP710-DLX	N/A	1%-100%	0.1%-100%
Cooper	Devine	DLC03P	1%-100%	N/A	N/A
Cooper	Skye	SLC03P	0%-100%	N/A	N/A
Cooper	Decorator	DAL06P	0%-100%	N/A	N/A
Pass & Seymour	Titan	CD4FB-W	N/A	1%-100%	0.1%-100%
Synergy		ISD BC	N/A	1%-100%	0.1%-100%
Watt Stopper	Miro Decorator	DCLV1	N/A	1%-100%	0.1%-100%
Lutron	Ariadni	TGCL-153P	1%-100%	N/A	N/A
Lutron	Ariadni	TG-600P	13%-100%	N/A	N/A
Lutron	Diva	DVCL-153P	1%-100%	N/A	N/A
Lutron	Diva	DV600P	6%-100%	N/A	N/A
Lutron	Diva	DVELV303P	6%-100%	N/A	N/A
Lutron	Diva	DTV	N/A	1%-100%	0.1%-100%
Lutron	Faedra	FAELV500	12%-100%	N/A	N/A
Lutron	Lumea	LG600P	8%-100%	N/A	N/A
Lutron	Maestro	MAELV600	16%-100%	N/A	N/A
Lutron	Nova	NFTV	N/A	1%-100%	0.1%-100%
Lutron	Nova T	NTFTV	N/A	1%-100%	0.1%-100%
Lutron	Skylark	S-603PG	5%-96%	N/A	N/A
Lutron	Skylark	S600P	5%-100%	N/A	N/A
Lutron	Skylark	SELV300P	10%-100%	N/A	N/A
Lutron	Skylark	CT103P	9%-100%	N/A	N/A

7. 277V Phase Dimming is not available

- Incandescent 120VAC Dimmers adjust the light with forward phase control, no neutral wire connection required
- Electronic Low Voltage 120VAC Dimmers adjust the light with reverse phase control, 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. Switching on/off is controlled with the Line Voltage Power Input (120V or 277V AC) to the Dimmer, 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 (2) Low Voltage Control Wires - a violet and a pink (or 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)
- Use DALI approved Controls for dimming options MVD7 (eldoLED ECOdrive) and MVD9 (eldoLED SOLOdrive)

**NOTES**

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



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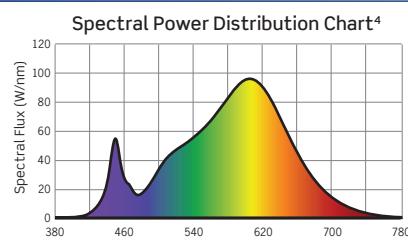
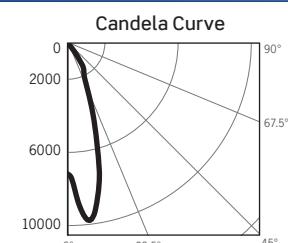
## CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Photometry

### CYL6630K MVDCNCLR: 3000K CLEAR NARROW

LM-63 Test No. G21080504; LM-79 Test No. S21081101

Fixture Delivered Lumens: 4301.9  
 Total Watts@120V: 42.3  
 Lumens Per Watt: 101.7  
 Center Beam Candle Power: 7111  
 Beam Distribution: 35.7°  
 Spacing Criterion: 0.64  
 Color Rendering Index (CRI)<sup>1</sup>: 83.6  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	444.5	2.6
6 FT	197.5	3.9
8 FT	111.1	5.1
10 FT	71.1	6.4
12 FT	49.4	7.7
14 FT	36.3	9.0

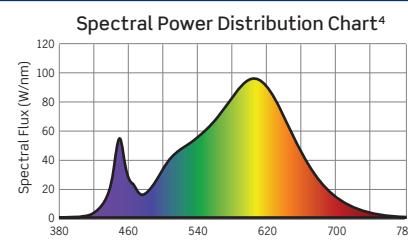
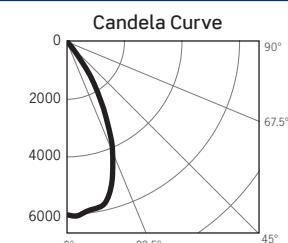


### CYL6630K MVDCMCLR: 3000K CLEAR MEDIUM

LM-63 Test No. G21080502; LM-79 Test No. S21081101

Fixture Delivered Lumens: 4348.9  
 Total Watts@120V: 42.3  
 Lumens Per Watt: 102.8  
 Center Beam Candle Power: 6032  
 Beam Distribution: 53.3°  
 Spacing Criterion: 0.80  
 Color Rendering Index (CRI)<sup>1</sup>: 83.6  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	377.0	4.0
6 FT	167.6	6.0
8 FT	94.2	8.0
10 FT	60.3	10.1
12 FT	41.9	12.1
14 FT	30.8	14.1

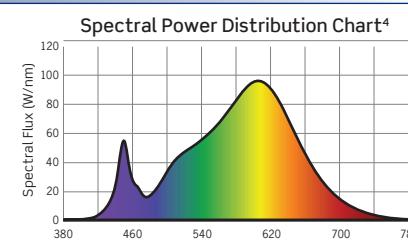
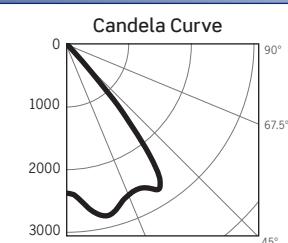


### CYL6630K MVDCWCLR: 3000K CLEAR WIDE

LM-63 Test No. G21080601; LM-79 Test No. S21081101

Fixture Delivered Lumens: 4153.7  
 Total Watts@120V: 42.3  
 Lumens Per Watt: 98.2  
 Center Beam Candle Power: 2367  
 Beam Distribution: 79.9°  
 Spacing Criterion: 1.20  
 Color Rendering Index (CRI)<sup>1</sup>: 83.6  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	147.9	6.7
6 FT	65.7	10.1
8 FT	37.0	13.4
10 FT	23.7	16.8
12 FT	16.4	20.1
14 FT	12.1	23.5



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	0.94	0.70
3000K	1.00	0.75
3500K	1.00	0.81
4000K	1.00	0.87

OUTPUT MULTIPLIERS				
10W SERIES 1	14W SERIES 2	20W SERIES 3	28W SERIES 4	36W SERIES 5
0.28	0.39	0.53	0.72	0.89



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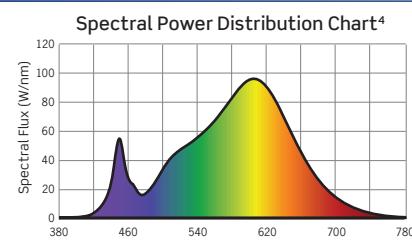
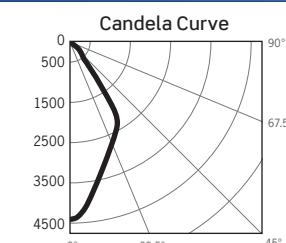
## CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Photometry

### CYL6630K MVDCPL: 3000K MEDIUM PLATINUM

LM-63 Test No. G21080602; LM-79 Test No. S21081101

Fixture Delivered Lumens: 3801.8  
 Total Watts@120V: 42.3  
 Lumens Per Watt: 89.9  
 Center Beam Candle Power: 4413  
 Beam Distribution: 63.0°  
 Spacing Criterion: 0.93  
 Color Rendering Index (CRI)<sup>1</sup>: 83.6  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	275.8	4.9
6 FT	122.6	7.4
8 FT	69.0	9.8
10 FT	44.1	12.2
12 FT	30.6	14.7
14 FT	22.5	17.1

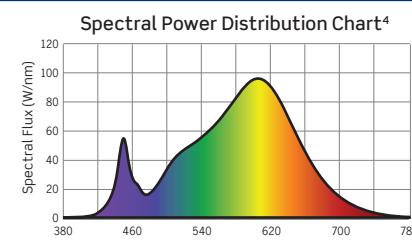
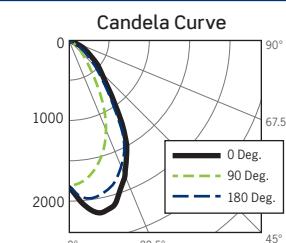


### CYL6630K MVDCWW: 3000K WALL WASH

LM-63 Test No. G210806.3; LM-79 Test No. S21081101

Fixture Delivered Lumens: 1900.3  
 Total Watts@120V: 42.0  
 Lumens Per Watt: 45.2  
 Center Beam Candle Power: 1820  
 Beam Distribution: Wall Wash  
 Spacing Criterion: 0.83  
 Color Rendering Index (CRI)<sup>1</sup>: 83.6  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	113.8	3.8
6 FT	50.6	5.7
8 FT	28.4	7.7
10 FT	18.2	9.6
12 FT	12.6	11.5
14 FT	9.3	13.4

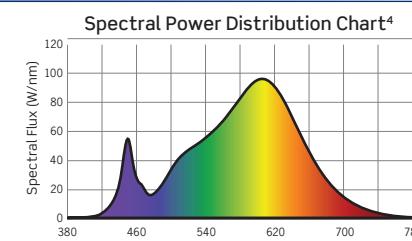
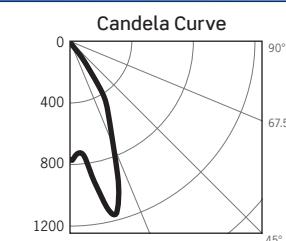


### CYL6630K MVDCXPB: 3000K PENCIL BEAM

LM-63 Test No. G21080901; LM-79 Test No. S21081101

Fixture Delivered Lumens: 291.2  
 Total Watts@120V: 42.0  
 Lumens Per Watt: 6.9  
 Center Beam Candle Power: 766  
 Beam Distribution: 9°  
 Spacing Criterion: 0.94  
 Color Rendering Index (CRI)<sup>1</sup>: 83.6  
 Color Temperature (CCT)<sup>2</sup>: 3086K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	47.9	3.5
6 FT	21.3	5.3
8 FT	12.0	7.1
10 FT	7.7	8.8
12 FT	5.3	10.6
14 FT	3.9	12.4



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	0.94	0.70
3000K	1.00	0.75
3500K	1.00	0.81
4000K	1.00	0.87

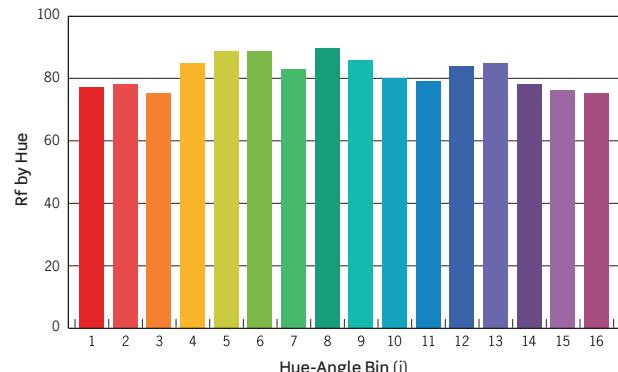
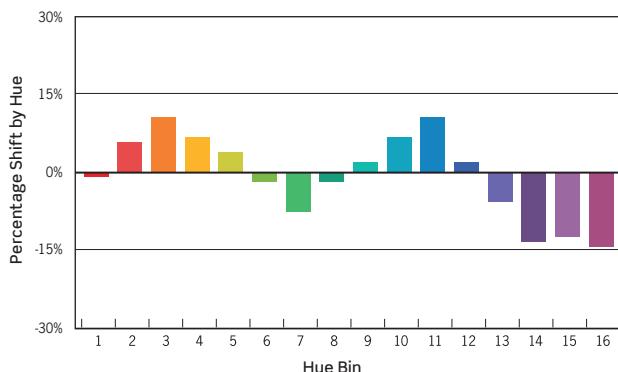
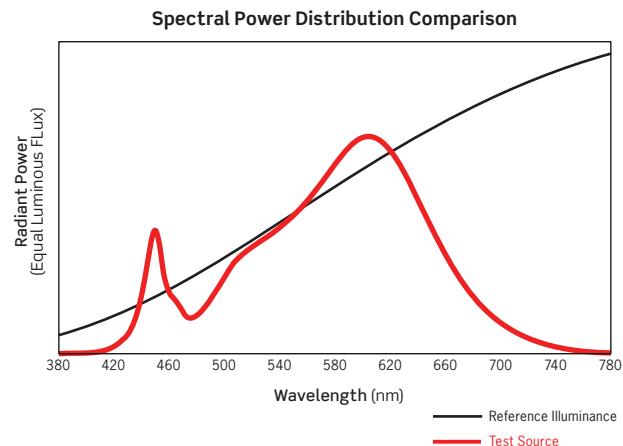
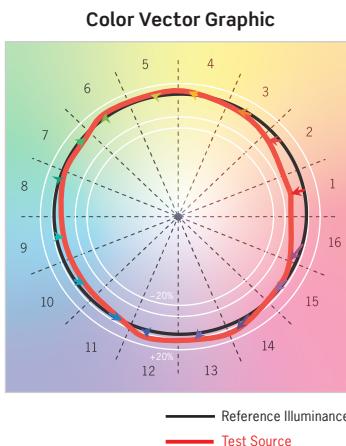
OUTPUT MULTIPLIERS				
10W SERIES 1	14W SERIES 2	20W SERIES 3	28W SERIES 4	36W SERIES 5
0.28	0.39	0.53	0.72	0.89

## CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Photometry

### TM-30 DATA for CYL6630K MVDCMCLR: 3000K, CLEAR MEDIUM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21081101

R <sub>f</sub>	86
R <sub>g</sub>	97
CCT(K)	3086K
D <sub>uv</sub>	0.0017
u <sup>I</sup>	0.2470
v <sup>I</sup>	0.5220



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	6%	10%	7%	4%	-2%	-7%	-2%	2%	7%	11%	2%	-6%	-14%	-13%	-15%
R <sub>f</sub> VALUE	81	83	80	89	93	93	88	94	91	84	83	88	89	82	80	80

Colors are for visual orientation purposes only