

DATE

PROJECT

TYPE

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

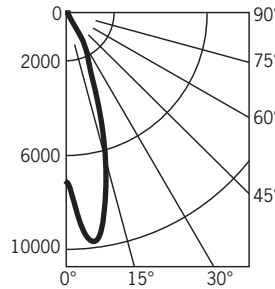
## CYL6630KMVDCNCLR

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

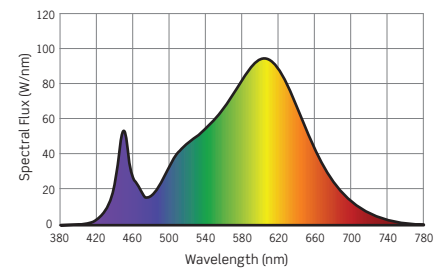
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



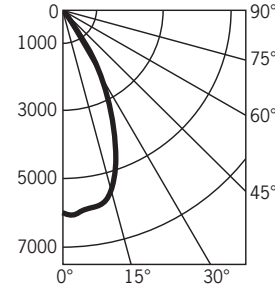
## CYL6630KMVDCMCLR

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>  
 LM-63 Test No. G16122002  
 LM-79 Test No. S21081101

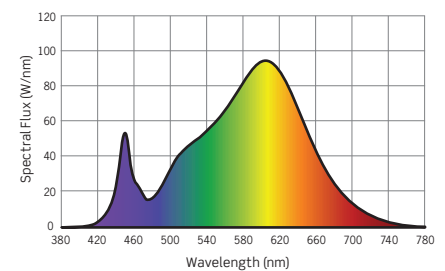
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



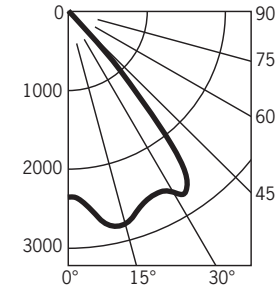
## CYL6630KMVDCWCLR

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>  
 LM-63 Test No. G16122003  
 LM-79 Test No. S21081101

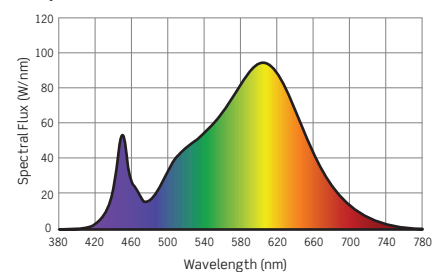
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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 Color Temperature, Luminaire Wattage/Output and Trim Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			OUTPUT MULTIPLIERS				
CCT	STD CRI	HIGH CRI	10W/SERIES 1	14W/SERIES 2	20W/SERIES 3	28W/SERIES 4	36W/SERIES 5
2700K	0.94	0.70	0.28	0.39	0.53	0.72	0.89
3000K	N/A	0.75					
3500K	1.0	0.81					
4000K	1.0	0.87					

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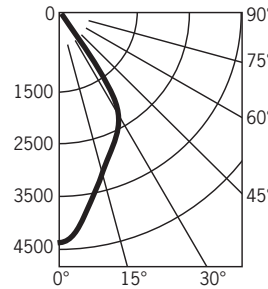
## CYL6630KMVDCPL

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

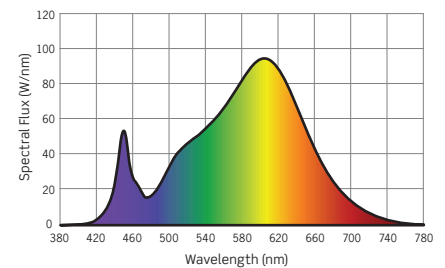
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



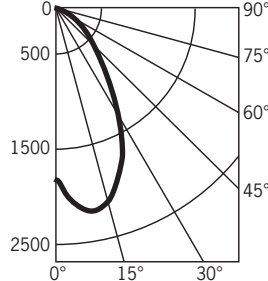
## CYL6630KMVDCWW

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>  
 LM-63 Test No. G21080603  
 LM-79 Test No. S21081101

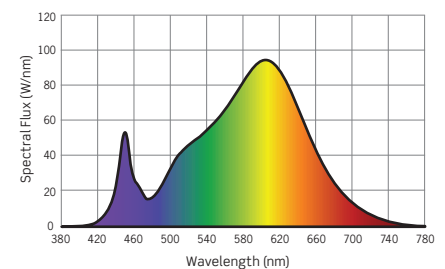
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### Candela Curve



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



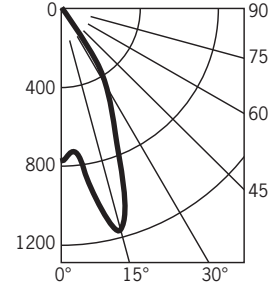
## CYL6630KMVDCXPB

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

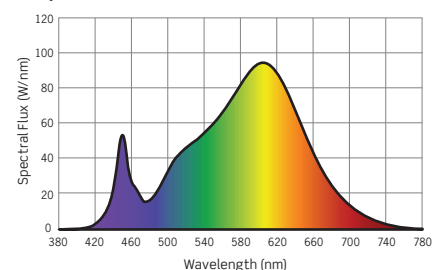
### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (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

### 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

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2700K	0.94	0.70	0.28	0.39	0.53	0.72	0.89
3000K	N/A	0.75					
3500K	1.0	0.81					
4000K	1.0	0.87					

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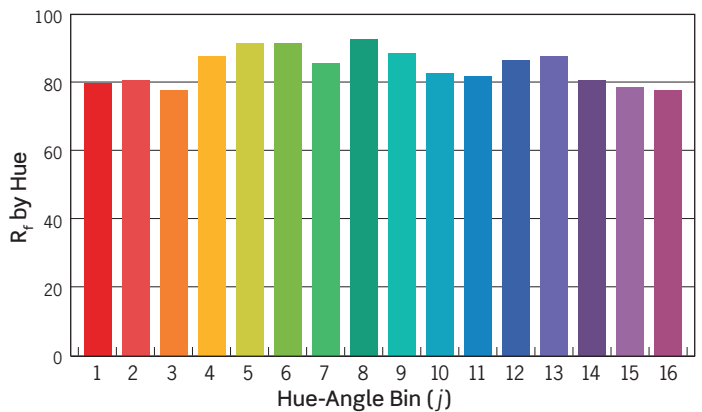
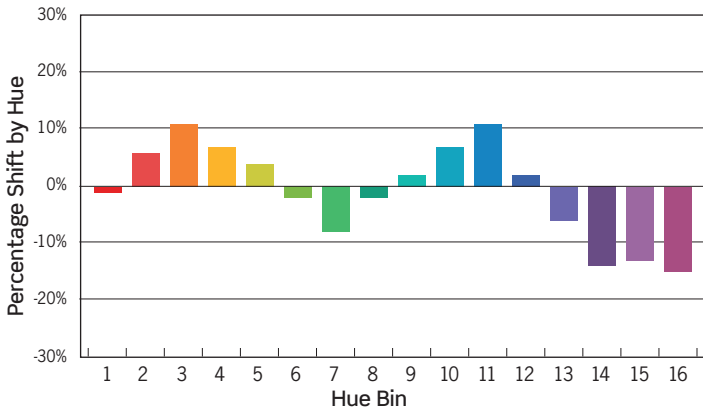
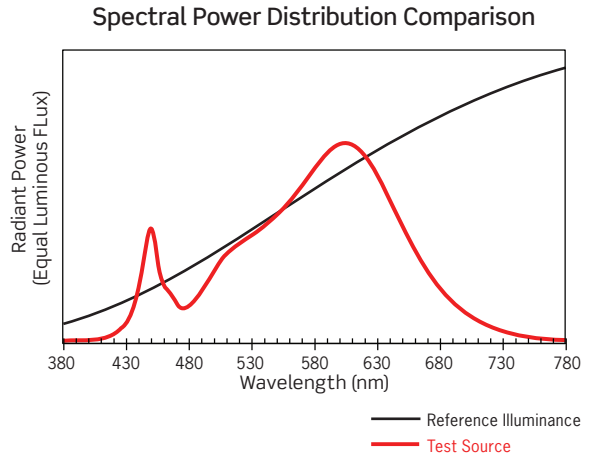
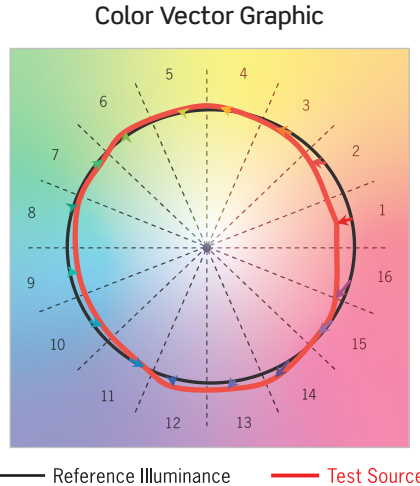
# CYL6 SERIES | 6 Inch Indoor/Outdoor Round Cylinders: Photometrics

## TM-30 DATA: CYL630KMVDCMCLR

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

Colors are for visual orientation purposes only

$R_f$	86
$R_g$	97
CCT(K)	3086K
$D_{uv}$	0.0017
$u^l$	0.2470
$v^l$	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%
$R_f$ VALUE	81	83	80	89	93	93	88	94	91	84	83	88	89	82	80	80