

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

CY3S330K12D1CS: 3000K SPOT

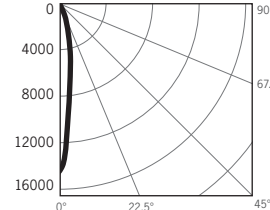
LM-63 Test No. G24020204; LM-79 Test No. S24020101

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)¹: 83
Color Temperature (CCT)²: 3101K
Designed for 50,000 Hour Lamp Life³

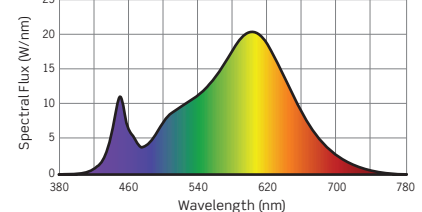
Intensity Distribution

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 Chart⁴



CY3S330K12D1CM: 3000K MEDIUM

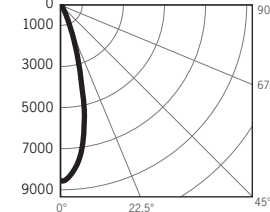
LM-63 Test No. G24020203; LM-79 Test No. S24020101

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)¹: 83
Color Temperature (CCT)²: 3101K
Designed for 50,000 Hour Lamp Life³

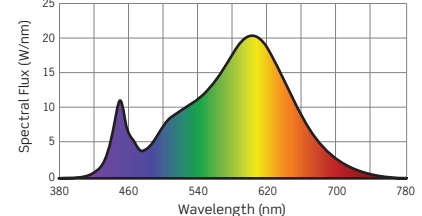
Intensity Distribution

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 Chart⁴



CY3S330K12D1CF: 3000K FLOOD

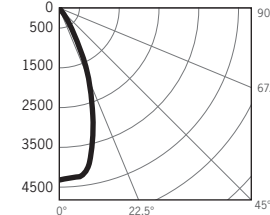
LM-63 Test No. G24020205; LM-79 Test No. S24020101

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)¹: 83
Color Temperature (CCT)²: 3101K
Designed for 50,000 Hour Lamp Life³

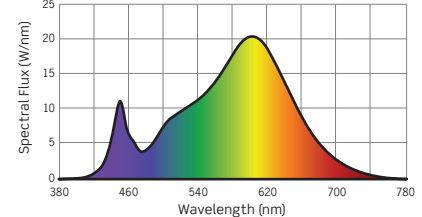
Intensity Distribution

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 Chart⁴



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

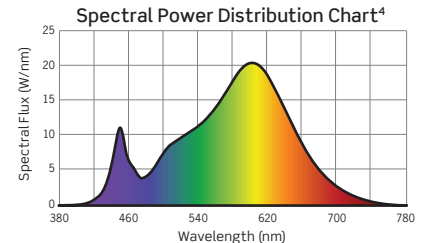
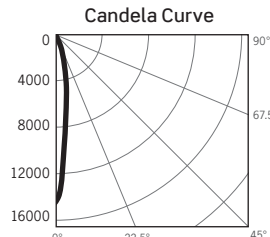
CY3 SERIES | 3-1/2-Inch Round Indoor/Outdoor Cylinders: Photometry

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)¹: 83
Color Temperature (CCT)²: 3101K
Designed for 50,000 Hour Lamp Life³

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

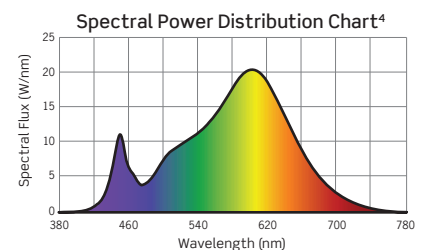
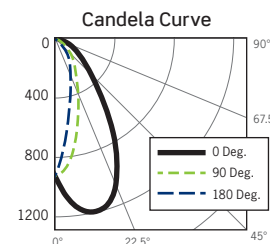


CY3S330K12D1CWW: 3000K WALL WASH

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)¹: 83
Color Temperature (CCT)²: 3101K
Designed for 50,000 Hour Lamp Life³

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



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 ⁷
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

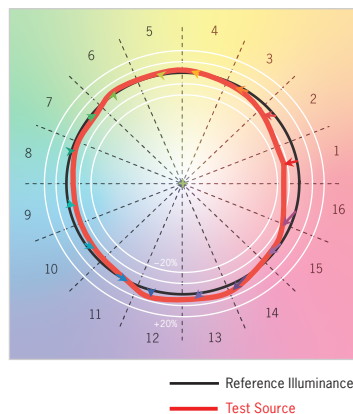
CY3 SERIES | 3-1/2-Inch Round Indoor/Outdoor Cylinders: Photometry

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

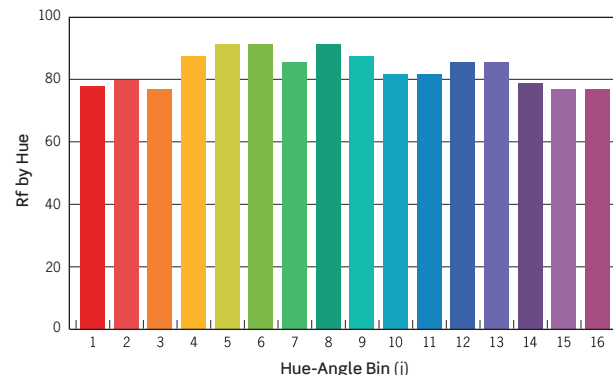
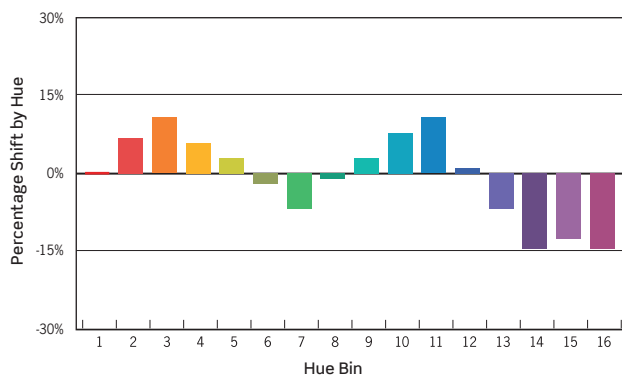
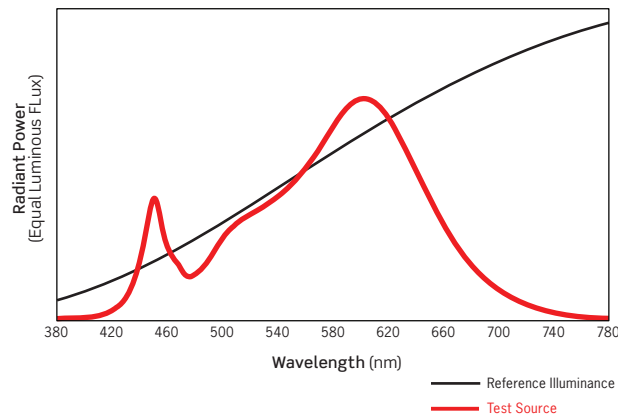
ANSI/IES TM-30-18 Color Rendition Report Test No. S24020101

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

Color Vector Graphic



Spectral Power Distribution Comparison



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 _f VALUE	80	82	79	90	94	94	88	94	90	84	84	88	88	81	79	79

Colors are for visual orientation purposes only