

CY9 SERIES | 9-Inch Round Indoor/Outdoor Cylinders: Photometry

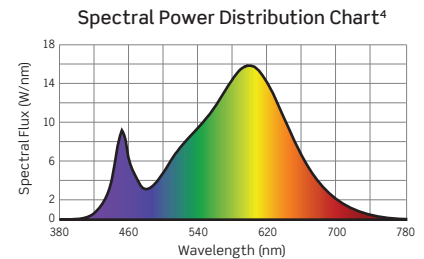
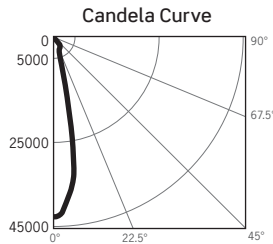
PHOTOMETRIC DATA: CLEAR REFLECTORS

CY9530KMVDCSLR: 3000K SPOT CLEAR ALZAK

LM-63 Test No. G18102401; LM-79 Test No. S18110103

Fixture Delivered Lumens: 8497.9
Total Watts@120V: 85.8
Lumens Per Watt: 99.0
Center Beam Candle Power: 42681
Beam Distribution: 22.0°
Spacing Criterion: 0.34
Color Rendering Index (CRI)¹: 80.5
Color Temperature (CCT)²: 3152K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	2667.6	1.6
6 FT	1185.6	2.3
8 FT	666.9	3.1
10 FT	426.8	3.9
12 FT	296.4	4.7
14 FT	218.8	5.4

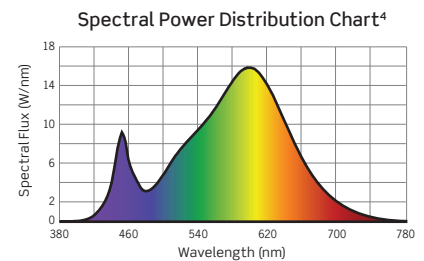
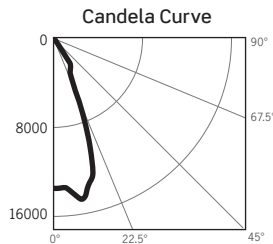


CY9530KMVDCNCLR: 3000K NARROW CLEAR ALZAK

LM-63 Test No. G18102402; LM-79 Test No. S18110103

Fixture Delivered Lumens: 8089.1
Total Watts@120V: 85.8
Lumens Per Watt: 94.3
Center Beam Candle Power: 13473
Beam Distribution: 42.0°
Spacing Criterion: 0.62
Color Rendering Index (CRI)¹: 80.5
Color Temperature (CCT)²: 3152K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	842.1	3.1
6 FT	374.2	4.6
8 FT	210.5	6.1
10 FT	134.7	7.7
12 FT	93.6	9.2
14 FT	68.7	10.8

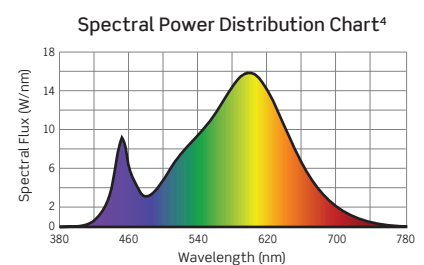
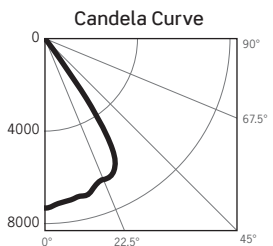


CY9530KMVDCMCLR: 3000K MEDIUM CLEAR ALZAK

LM-63 Test No. G18102403; LM-79 Test No. S18110103

Fixture Delivered Lumens: 7928.6
Total Watts@120V: 85.8
Lumens Per Watt: 92.4
Center Beam Candle Power: 7334
Beam Distribution: 68.8°
Spacing Criterion: 0.98
Color Rendering Index (CRI)¹: 80.5
Color Temperature (CCT)²: 3152K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	458.4	5.5
6 FT	203.7	8.2
8 FT	114.6	10.9
10 FT	73.3	13.7
12 FT	50.9	16.4
14 FT	37.4	19.1



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		
CCT	STANDARD CRI	HIGH (90+) CRI
2700K	0.95	0.74
3000K	1.00	0.85
3500K	1.03	0.89
4000K	1.07	0.92

OUTPUT MULTIPLIERS	
SERIES	MULTIPLIER
36W/SERIES 1	0.47
48W/SERIES 2	0.61
56W/SERIES 3	0.70
70W/SERIES 4	0.86

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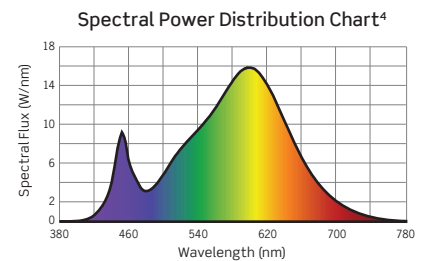
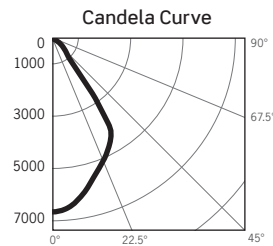
PHOTOMETRIC DATA: PLATINUM REFLECTORS

CY9530KMVDCMPL: 3000K MEDIUM PLATINUM

LM-63 Test No. G181024041; LM-79 Test No. S18110104

Fixture Delivered Lumens: 7362.6
Total Watts@120V: 85.8
Lumens Per Watt: 85.8
Center Beam Candle Power: 6671
Beam Distribution: 68.8°
Spacing Criterion: 0.99
Color Rendering Index (CRI)¹: 80.6
Color Temperature (CCT)²: 3162K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	417.0	5.5
6 FT	185.3	8.2
8 FT	104.2	11.0
10 FT	66.7	13.7
12 FT	46.3	16.4
14 FT	34.0	19.2

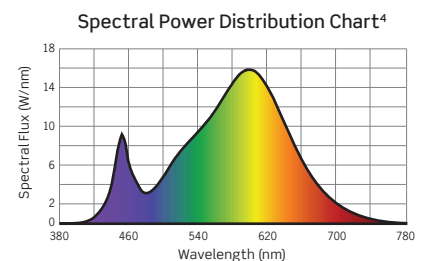
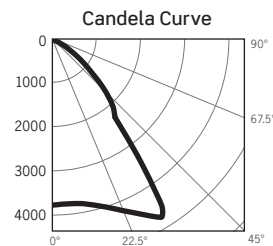


CY9530KMVDCWPL: 3000K WIDE PLATINUM

LM-63 Test No. G18102405; LM-79 Test No. S18110104

Fixture Delivered Lumens: 8019.2
Total Watts@120V: 85.8
Lumens Per Watt: 93.5
Center Beam Candle Power: 3757
Beam Distribution: 77.0°
Spacing Criterion: 1.22
Color Rendering Index (CRI)¹: 80.6
Color Temperature (CCT)²: 3162K
Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	234.8	6.4
6 FT	104.4	9.5
8 FT	58.7	12.7
10 FT	37.6	15.9
12 FT	26.1	19.1
14 FT	19.2	22.3



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SERIES	MULTIPLIER
36W/SERIES 1	0.47
48W/SERIES 2	0.61
56W/SERIES 3	0.70
70W/SERIES 4	0.86