

DATE

PROJECT

TYPE

CTL94 SERIES | Gallery XL Luminaire Xicato LED Photometrics

PC OPTIC | VERY NARROW SPOT

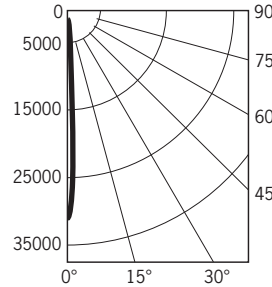
CTL940VN3XCD

Fixture Delivered Lumens: 614.3
 Total Watts@120V: 13.1
 Lumens Per Watt: 44.5
 Center Beam Candle Power: 31786
 Beam Distribution: 7.0°
 Field Distribution: 11.4°
 Spacing Criterion: 0.12
 Color Rendering Index (CRI)¹: 97.9
 Color Temperature (CCT)²: 3072K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22042502
 LM-79 Test No. S22032901

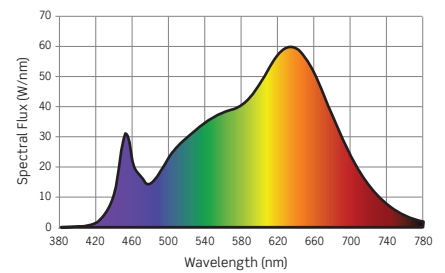
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	882.9	0.7
8 FT	496.7	1.0
10 FT	317.9	1.2
12 FT	220.7	1.5
14 FT	162.2	1.7
16 FT	124.2	2.0

Candela Curve



Spectral Power Distribution Chart⁴



PC OPTIC | NARROW SPOT

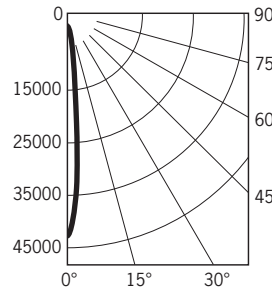
CTL944NS3XCD

Fixture Delivered Lumens: 1491.0
 Total Watts@120V: 40.9
 Lumens Per Watt: 36.5
 Center Beam Candle Power: 42680
 Beam Distribution: 10.8°
 Field Distribution: 16°
 Spacing Criterion: 0.17
 Color Rendering Index (CRI)¹: 97.9
 Color Temperature (CCT)²: 3072K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22033001
 LM-79 Test No. S22032901

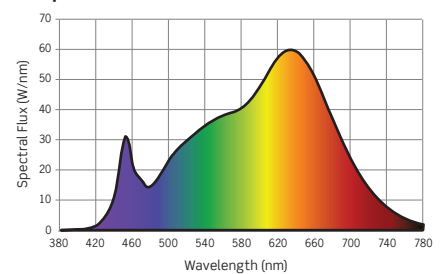
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	1185.6	1.1
8 FT	666.9	1.5
10 FT	426.8	1.9
12 FT	296.4	2.3
14 FT	217.8	2.6
16 FT	116.7	3.0

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 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	95 CRI	VIBRANT	CCT	95 CRI	VIBRANT	13W SERIES 0	19W SERIES 1	27W SERIES 2	35W SERIES 3
2700K	0.92	N/A	3500K	1.05	N/A	0.36	0.51	0.70	0.88
3000K	1.00	1.00	4000K	1.10	N/A				

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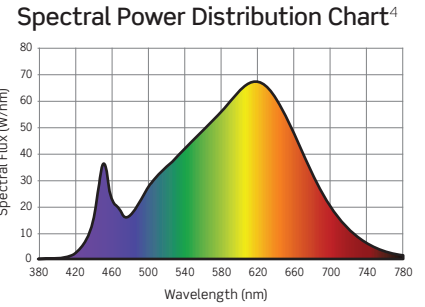
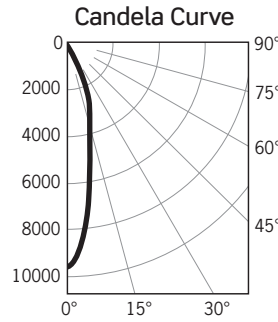
CTL94 SERIES | Gallery XL Luminaire Xicato LED Photometrics

ALUMINUM REFLECTOR | MEDIUM

CTL944ME3XCD

Fixture Delivered Lumens: 2698.1
 Total Watts@120V: 40.9
 Lumens Per Watt: 66.0
 Center Beam Candle Power: 9575
 Beam Distribution: 24.2°
 Field Distribution: 53.7°
 Spacing Criterion: 0.50
 Color Rendering Index (CRI)¹: 91.6
 Color Temperature (CCT)²: 3074K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22032905
 LM-79 Test No. S22031701

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	266.0	2.6
8 FT	149.6	3.4
10 FT	95.7	4.3
12 FT	66.5	5.2
14 FT	48.9	6.0
16 FT	37.4	6.9

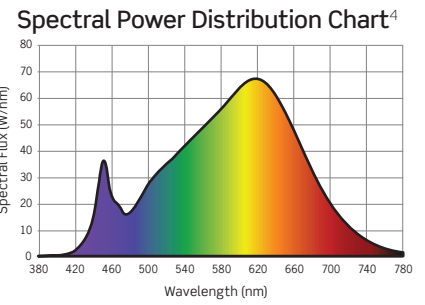
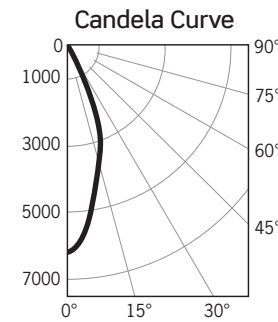


ALUMINUM REFLECTOR | FLOOD

CTL944FL3XCD

Fixture Delivered Lumens: 2824.4
 Total Watts@120V: 40.9
 Lumens Per Watt: 69.1
 Center Beam Candle Power: 6203
 Beam Distribution: 39.3°
 Field Distribution: 64.5°
 Spacing Criterion: 0.65
 Color Rendering Index (CRI)¹: 91.6
 Color Temperature (CCT)²: 3074K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22033003
 LM-79 Test No. S22031701

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	172.3	4.3
8 FT	96.9	5.7
10 FT	62.0	7.1
12 FT	43.1	8.6
14 FT	31.6	10.0
16 FT	24.2	11.4

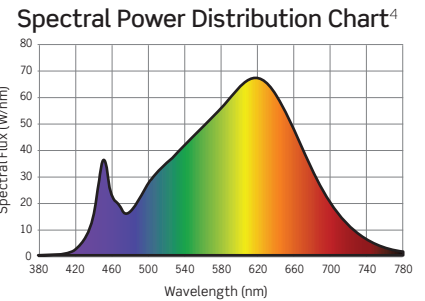
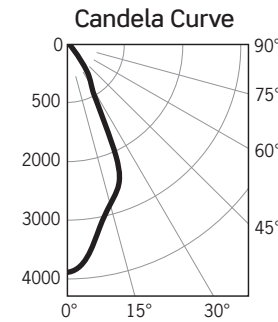


ALUMINUM REFLECTOR | WIDE FLOOD

CTL944WF3XCD

Fixture Delivered Lumens: 2731.9
 Total Watts@120V: 40.9
 Lumens Per Watt: 66.8
 Center Beam Candle Power: 3888
 Beam Distribution: 49.3°
 Field Distribution: 83.7°
 Spacing Criterion: 0.72
 Color Rendering Index (CRI)¹: 91.6
 Color Temperature (CCT)²: 3074K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G22033004
 LM-79 Test No. S22031701

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	108.0	5.5
8 FT	60.8	7.3
10 FT	38.9	9.2
12 FT	27.0	11.0
14 FT	19.8	12.9
16 FT	15.2	14.7



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 FOR ALUMINUM REFLECTORS ONLY

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	95 CRI	VIBRANT	CCT	95 CRI	VIBRANT	13W SERIES 0	19W SERIES 1	27W SERIES 2	35W SERIES 3
2700K	0.92	N/A	3500K	1.05	N/A	0.36	0.51	0.70	0.88
3000K	N/A	1.00	4000K	1.10	N/A				

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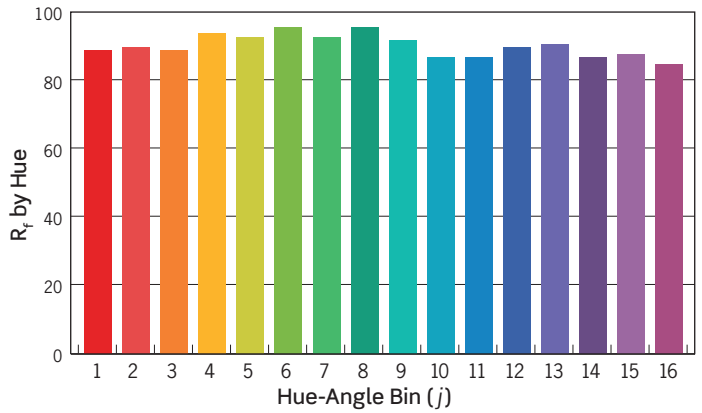
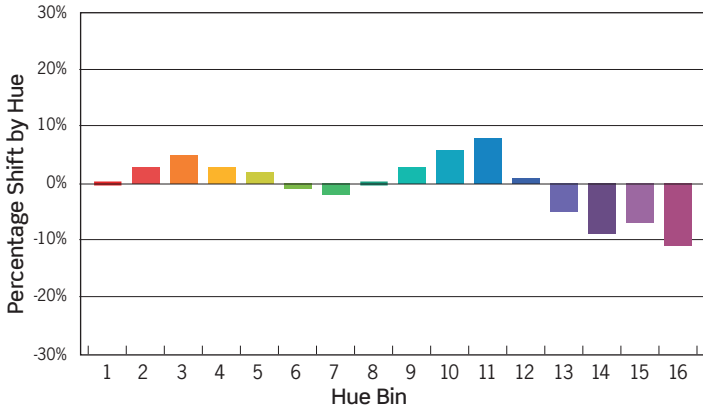
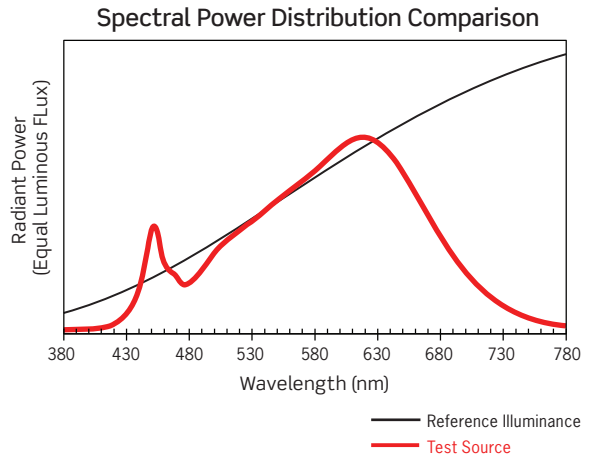
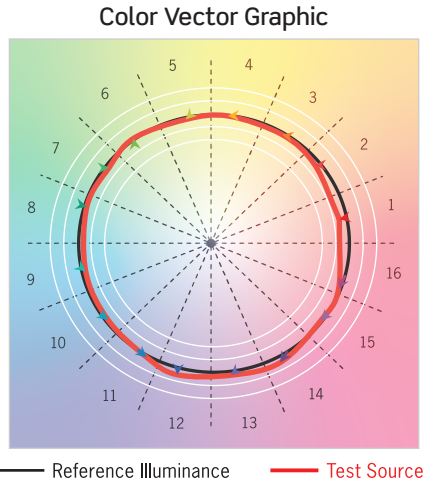
CTL94 SERIES | Gallery XL Luminaire Xicato LED Photometrics

TM-30 DATA: CTL944ME3XC

ANSI/IES TM-30-18 Color Rendition Report Test No. S22031701

Colors are for visual orientation purposes only

R_f	91
R_g	98
CCT(K)	3074K
D_{uv}	0.0008
u^l	0.2477
v^l	0.5210



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	3%	5%	3%	2%	-1%	-2%	0%	3%	6%	8%	1%	-5%	-9%	-7%	-11%
R_f VALUE	90	91	90	95	94	97	94	97	93	88	88	91	92	88	89	86