

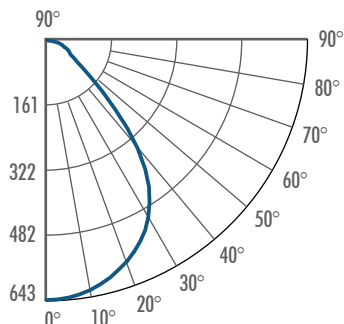
CRTR8L - PHOTOMETRY

8" COMMERCIAL LED RETROFIT

CRTR8L10SW-T40 - 1100lm - 4000K

System Power	:10.4W	Multipliers	
Test Date	:1/2018	Lumens	
Beam Angle 50%	:82.7°	4800LM	3.83
Field Angle 10%	:124.0°	3800LM	3.42
Color Temperature	:4083K	2300LM	2.03
CRI	:87.1	1500LM	1.36
R9 Value	:30.6	1000LM	1.00
Lumens Delivered	:1133lm	CCT	
CBCP	:643cd	4000K	1.00
Power Factor	:> 0.90	3500K	0.99
		3000K	0.97

CANDELA TABULATION



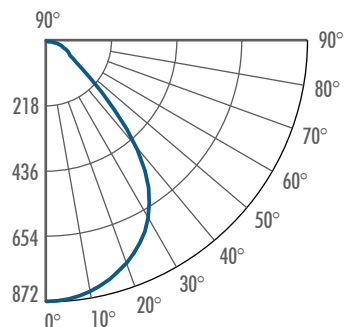
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6'	10.6'	17.9
8'	14.1'	10.0
10'	17.6'	6.4
12'	21.1'	4.5
14'	24.6'	3.3

CRTR8L15SW-T40 - 1500lm - 4000K

System Power	:17.5W	Multipliers	
Test Date	:1/2018	Lumens	
Beam Angle 50%	:82.7°	4800LM	2.82
Field Angle 10%	:124.0°	3800LM	2.52
Color Temperature	:4083K	2300LM	1.49
CRI	:87.1	1500LM	1.00
R9 Value	:30.6	1000LM	0.74
Lumens Delivered	:1538lm	CCT	
CBCP	:872cd	4000K	1.00
Power Factor	:> 0.90	3500K	0.99
		3000K	0.97

CANDELA TABULATION



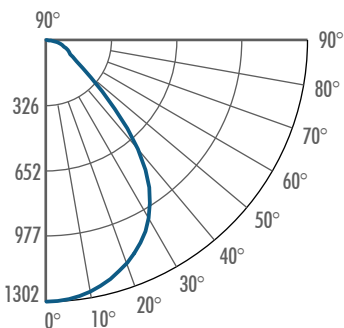
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8'	14.1'	13.6
10'	17.6'	8.7
12'	21.1'	6.1
16'	28.2'	3.4
18'	31.7'	2.7

CRTR8L22SW-T40 - 2200lm - 4000K

System Power	:31.4W	Multipliers	
Test Date	:1/2018	Lumens	
Beam Angle 50%	:82.7°	4800LM	1.89
Field Angle 10%	:124.0°	3800LM	1.69
Color Temperature	:4083K	2300LM	1.00
CRI	:87.1	1500LM	0.67
R9 Value	:30.6	1000LM	0.49
Lumens Delivered	:2296lm	CCT	
CBCP	:1302cd	4000K	1.00
Power Factor	:0.86	3500K	0.99
		3000K	0.97

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8'	14.1'	20.3
10'	17.6'	13.0
12'	21.1'	9.0
16'	28.2'	5.1
18'	31.7'	4.0

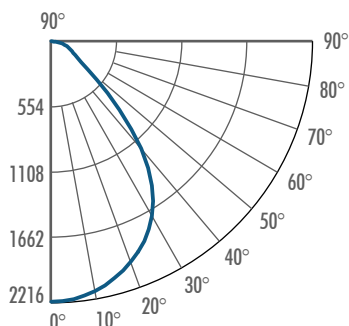
CRTR8L - PHOTOMETRY

8" COMMERCIAL LED RETROFIT

CRTR8L36SW-T40 - 3800lm - 4000K

System Power	:51.3W	Multipliers	
Test Date	:1/2018	Lumens	
Beam Angle 50%	:82.4°	4800LM	1.12
Field Angle 10%	:122.8°	3800LM	1.00
Color Temperature	:4183K	2300LM	0.59
CRI	:86.4	1500LM	0.40
R9 Value	:29.7	1000LM	0.29
Lumens Delivered	:3881lm	CCT	
CBCP	:2216cd	4000K	1.00
Power Factor	:0.86	3500K	0.99
		3000K	0.97

CANDELA TABULATION



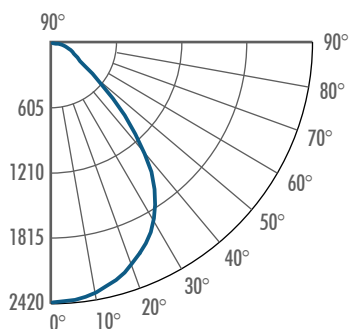
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8'	14.0'	34.6
12'	21.0'	15.4
16'	28.0'	8.7
20'	35.0'	5.5
24'	42.0'	3.8

CRTR8L48SW-T40 - 4400lm - 4000K

System Power	:57.9W	Multipliers	
Test Date	:1/2018	Lumens	
Beam Angle 50%	:83.5°	4800LM	1.00
Field Angle 10%	:125.2°	3800LM	0.89
Color Temperature	:4144K	2300LM	0.53
CRI	:86.6	1500LM	0.35
R9 Value	:30	1000LM	0.26
Lumens Delivered	:4347lm	CCT	
CBCP	:2421cd	4000K	1.00
Power Factor	:0.90	3500K	0.99
		3000K	0.97

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8'	14.3'	37.8
15'	26.8'	10.8
20'	35.7'	6.1
25'	44.6'	3.9
30'	53.6'	2.7