

# PHOTOMETRIC TEST REPORT



## **FIXTURE DATA**

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**Manufacturer:** Clay Paky s.r.l.  
**Fixture model:** HY B-EYE K25 TEATRO  
**Date:** 2020-08-28

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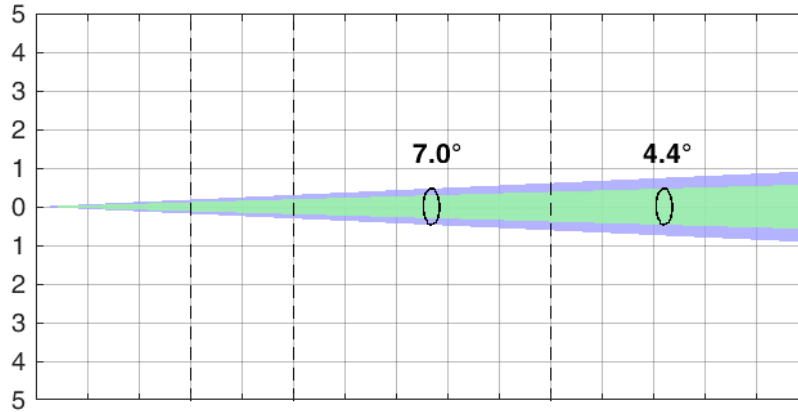
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**MINIMUM ZOOM: RED. FAN MODE: SILENT.**

**RED (7° 10% - 4.4° 50%)**

**Total Output: 2350 lumens**

lux (fc)      0                      45833 (4258)                      16500 (1533)                      4125 (383)                      1833 (170)



Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10% m (ft in)		0	0.38 (1' 3")	0.63 (2' 1")	1.26 (4' 2")	1.89 (6' 2")
Diameter 50% m (ft in)		0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

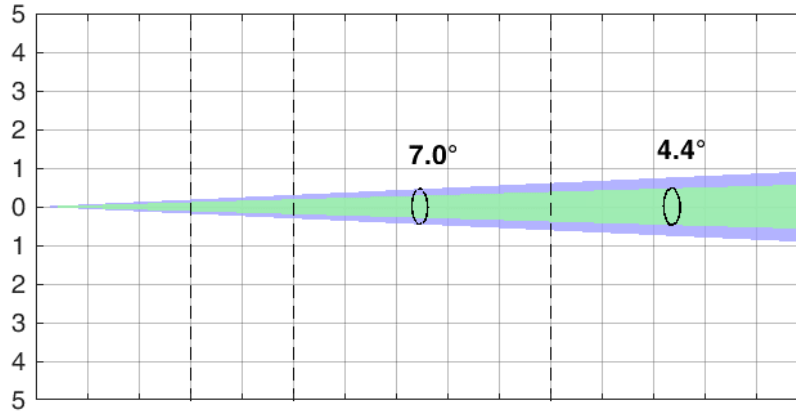
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: GREEN. FAN MODE: SILENT.**

**GREEN (7° 10% - 4.4° 50%)**

**Total Output: 4000 lumens**

lux (fc)      0                  69444 (6452)      25000 (2323)      6250 (581)      2778 (258)



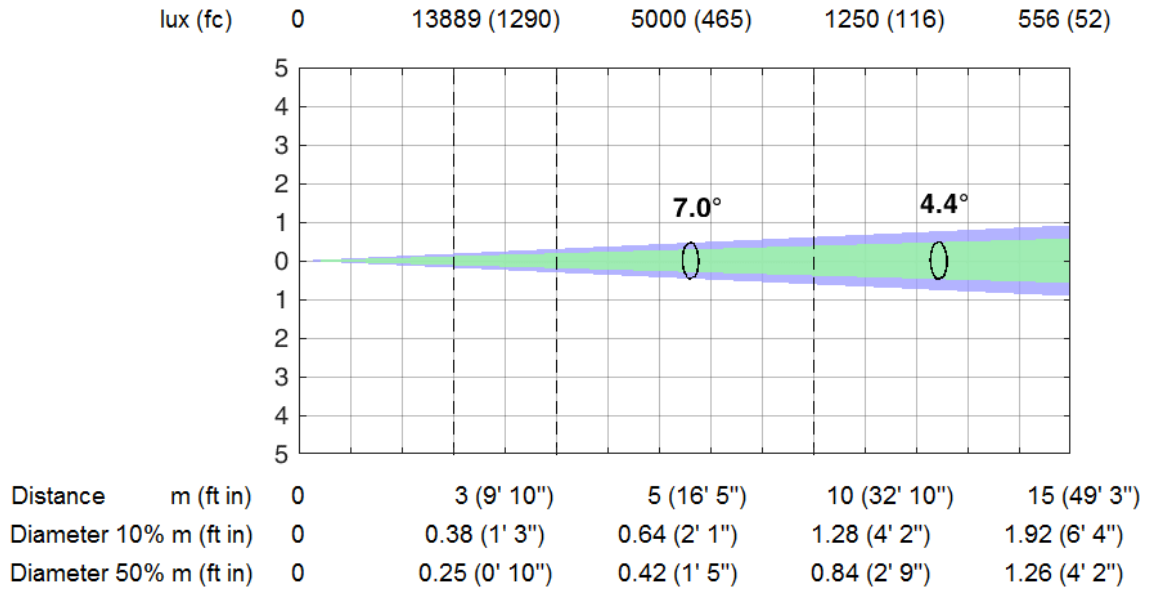
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	0.37 (1' 3")	0.62 (2' 0")	1.24 (4' 1")	1.86 (6' 1")
Diameter 50%	m (ft in)	0	0.24 (0' 9")	0.40 (1' 4")	0.80 (2' 7")	1.20 (3' 11")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: BLUE. FAN MODE: SILENT.**

**BLUE (7° 10% - 4.4° 50%)**

**Total Output: 750 lumens**



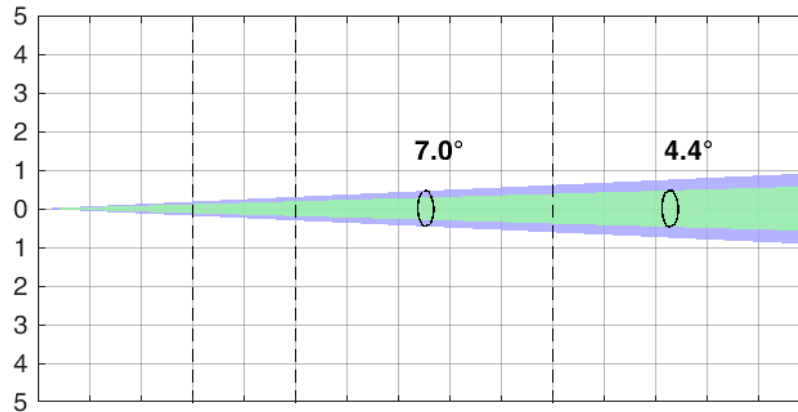
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: FULL COLORS. FAN MODE: SILENT.**

**FULL COLORS (7° 10% - 4.4° 50%)**

**Total Output: 9000 lumens**

lux (fc)    0            163889 (15226)    59000 (5481)    14750 (1370)    6556 (609)



Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	0.40 (1' 4")	0.66 (2' 2")	1.32 (4' 4")	1.98 (6' 6")
Diameter 50%	m (ft in)	0	0.23 (0' 9")	0.38 (1' 3")	0.76 (2' 6")	1.14 (3' 9")

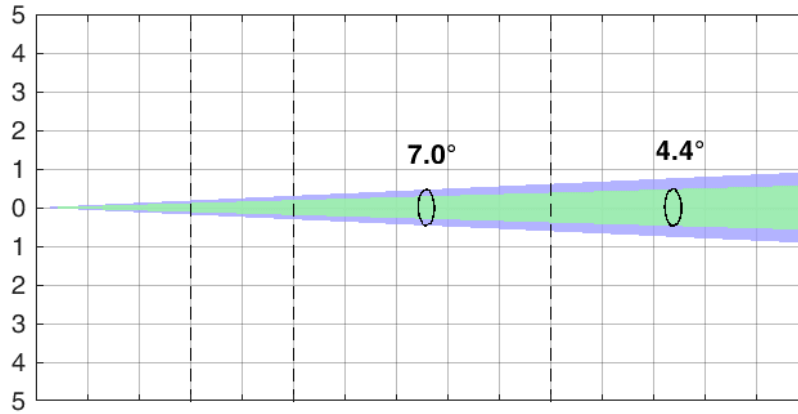
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: WHITE. FAN MODE: SILENT.**

**WHITE (7° 10% - 4.4° 50%)**

**Total Output: 5500 lumens**

lux (fc)    0            104167 (9677)    37500 (3484)    9375 (871)    4167 (387)



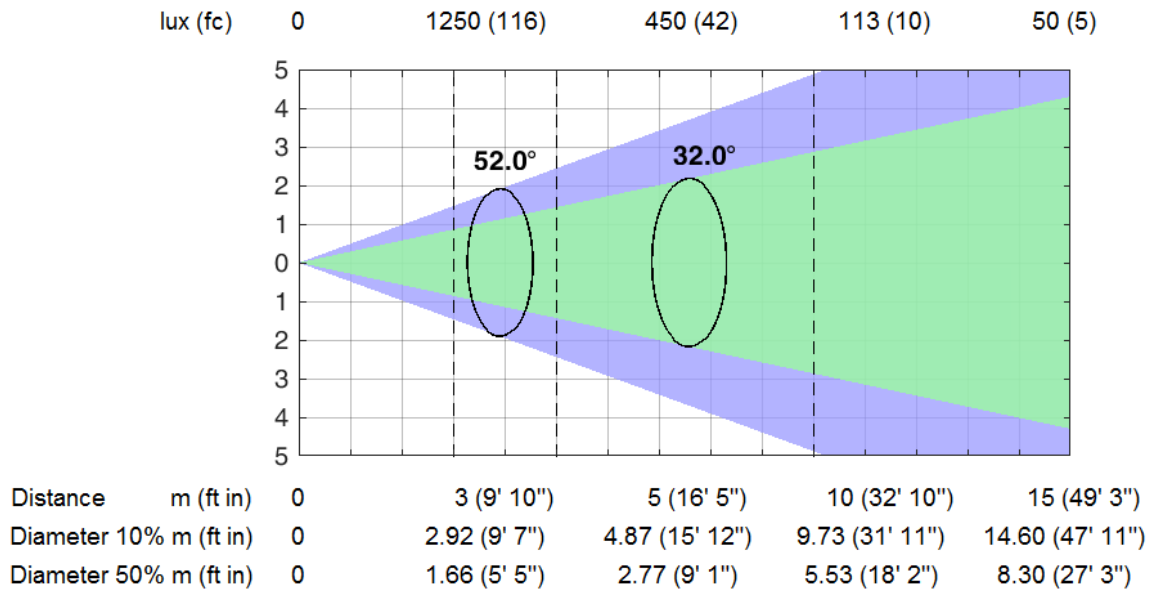
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	0.38 (1' 3")	0.64 (2' 1")	1.28 (4' 2")	1.92 (6' 4")
Diameter 50%	m (ft in)	0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: RED. FAN MODE: SILENT.**

**RED (52° 10% - 32° 50%)**

**Total Output: 4000 lumens**

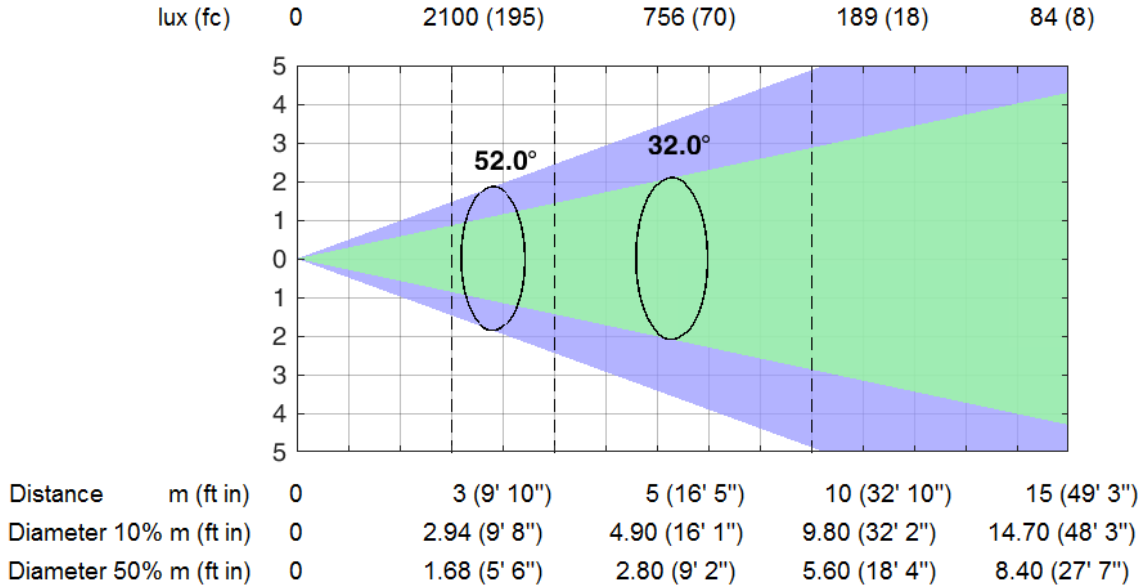


\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: GREEN. FAN MODE: SILENT.**

**GREEN (52° 10% - 32° 50%)**

**Total Output: 6500 lumens**

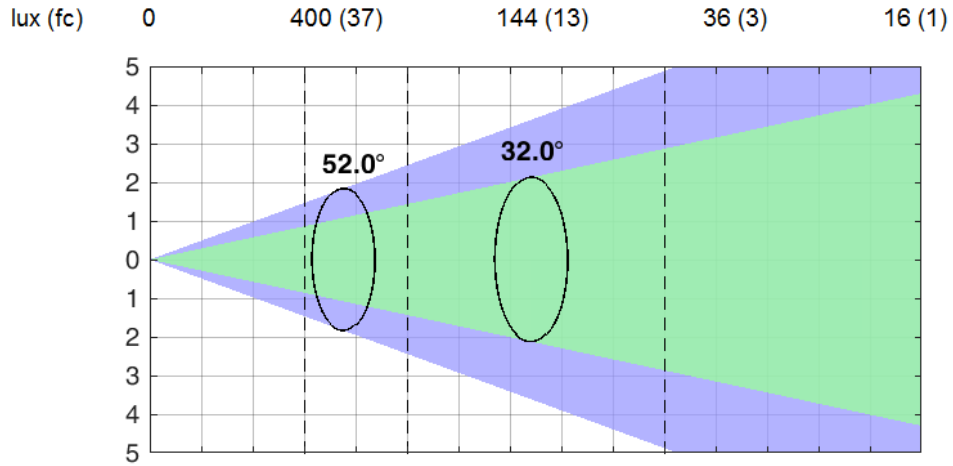


\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: BLUE. FAN MODE: SILENT.**

**BLUE (52° 10% - 32° 50%)**

**Total Output: 1200 lumens**



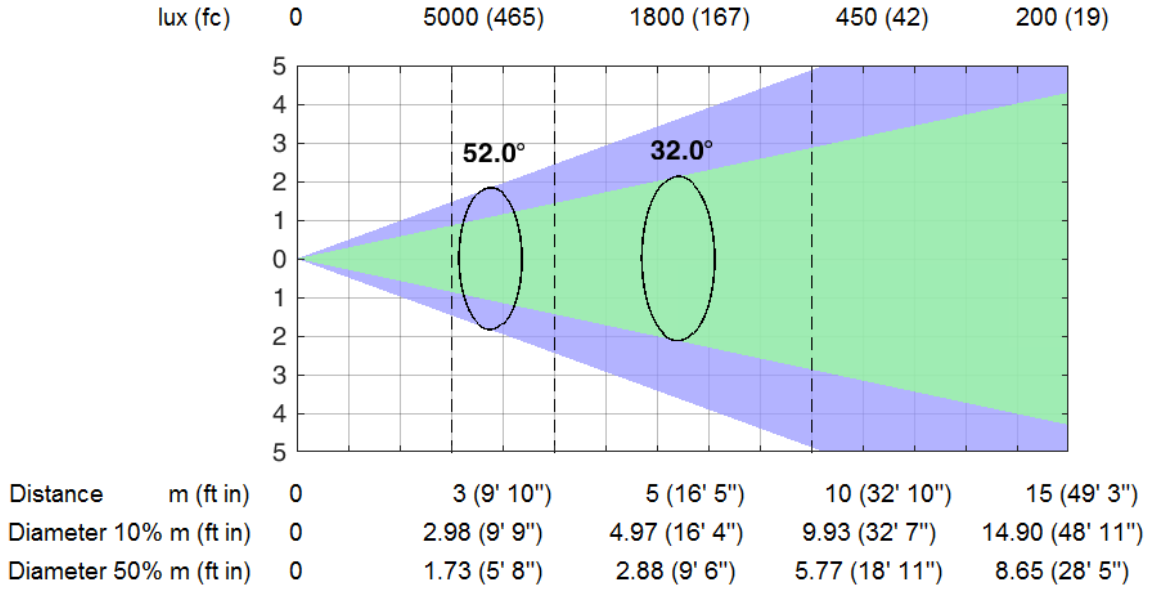
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	2.91 (9' 7")	4.85 (15' 11")	9.70 (31' 10")	14.55 (47' 9")
Diameter 50%	m (ft in)	0	1.71 (5' 7")	2.85 (9' 4")	5.70 (18' 8")	8.55 (28' 1")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: FULL COLORS. FAN MODE: SILENT.**

**FULL COLORS (52° 10% - 32° 50%)**

**Total Output: 14500 lumens**

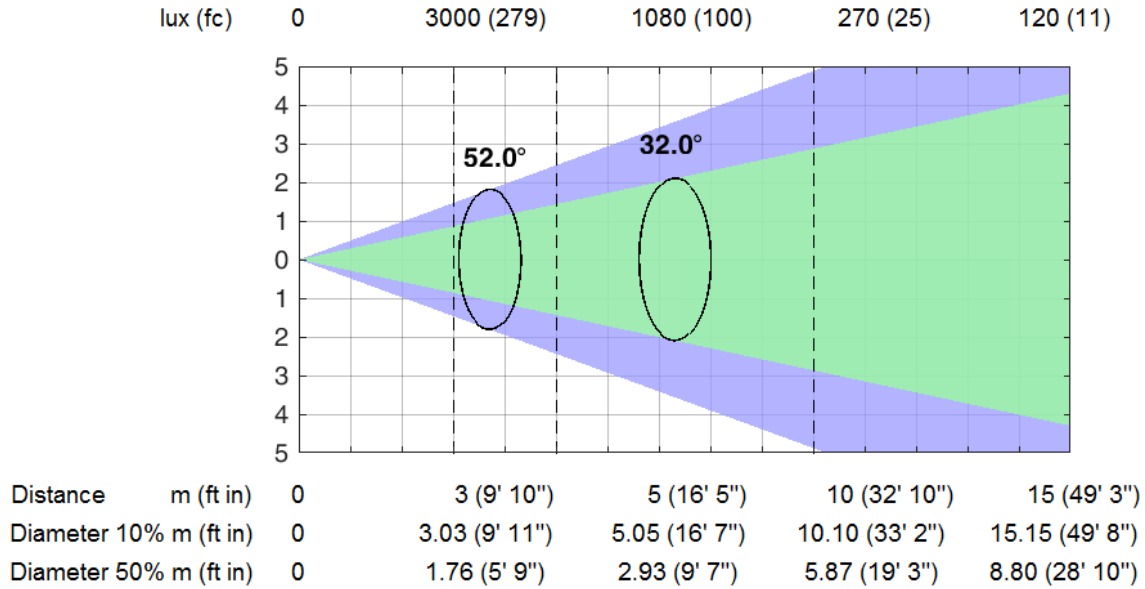


\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: WHITE. FAN MODE: SILENT.**

**WHITE (52° 10% - 32° 50%)**

**Total Output: 10000 lumens**



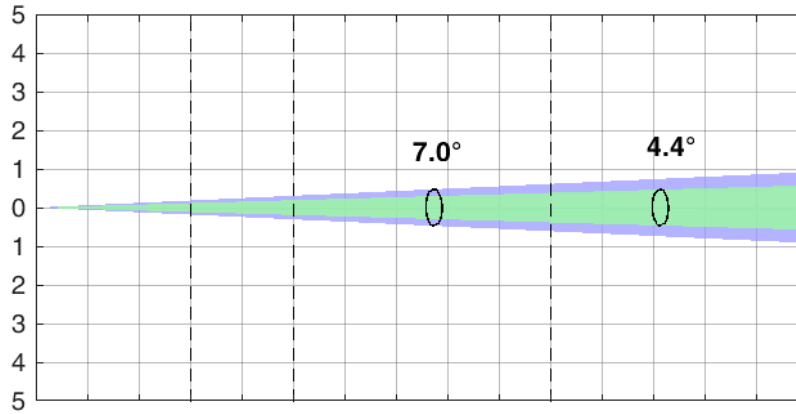
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: RED. FAN MODE: STANDARD.**

**RED (7° 10% - 4.4° 50%)**

**Total Output: 2700 lumens**

lux (fc)    0            51389 (4774)        18500 (1719)        4625 (430)        2056 (191)



Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	0.37 (1' 2")	0.61 (2' 0")	1.22 (4' 0")	1.83 (6' 0")
Diameter 50%	m (ft in)	0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

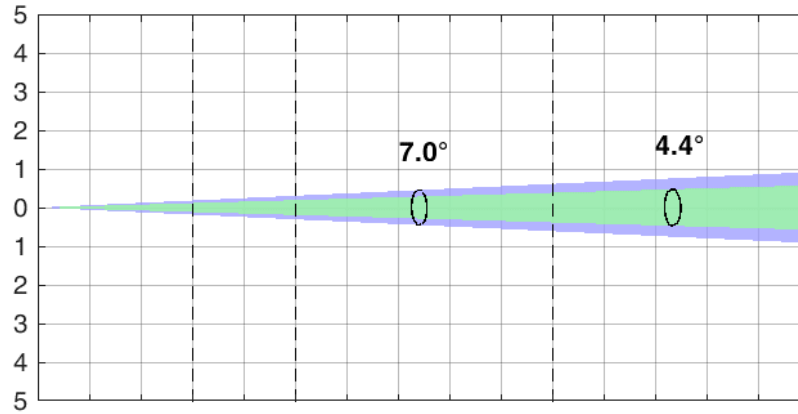
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: GREEN. FAN MODE: STANDARD.**

**GREEN (7° 10% - 4.4° 50%)**

**Total Output: 4000 lumens**

lux (fc)    0            73611 (6839)    26500 (2462)    6625 (615)    2944 (274)



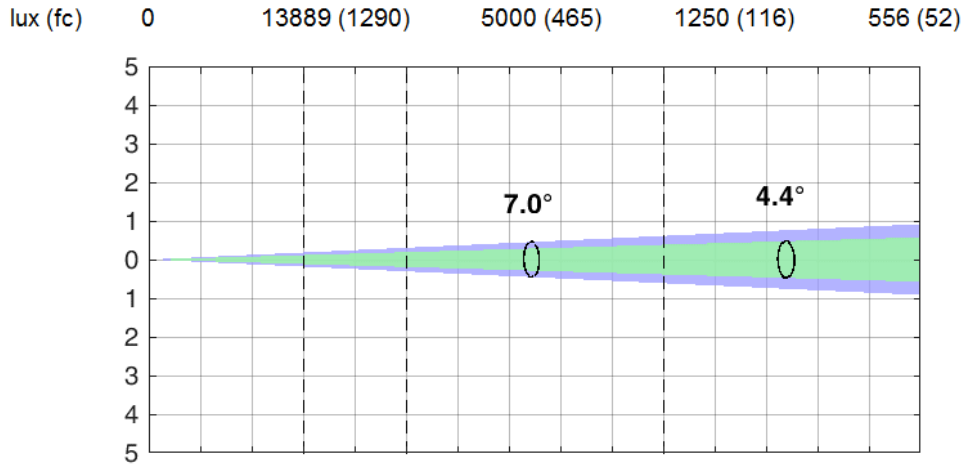
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10% m (ft in)		0	0.37 (1' 2")	0.61 (2' 0")	1.22 (4' 0")	1.83 (6' 0")
Diameter 50% m (ft in)		0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: BLUE. FAN MODE: STANDARD.**

**BLUE (7° 10% - 4.4° 50%)**

**Total Output: 700 lumens**



lux (fc)	0	13889 (1290)	5000 (465)	1250 (116)	556 (52)
Distance	m (ft in)	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0.38 (1' 3")	0.63 (2' 1")	1.26 (4' 2")	1.89 (6' 2")
Diameter 50%	m (ft in)	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

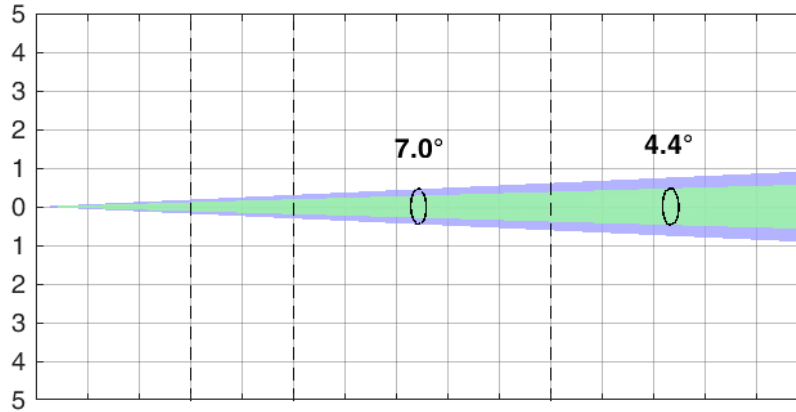
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: FULL COLORS. FAN MODE: STANDARD.**

**FULL COLORS (7° 10% - 4.4° 50%)**

**Total Output: 10500 lumens**

lux (fc)    0            194444 (18064)    70000 (6503)    17500 (1626)    7778 (723)



Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10% m (ft in)		0	0.37 (1' 2")	0.61 (2' 0")	1.22 (4' 0")	1.83 (6' 0")
Diameter 50% m (ft in)		0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

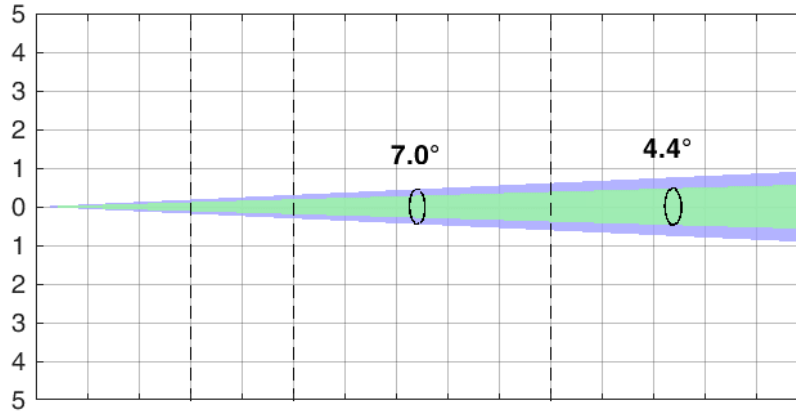
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: WHITE. FAN MODE: STANDARD.**

**WHITE (7° 10% - 4.4° 50%)**

**Total Output: 6000 lumens**

lux (fc)      0            115278 (10710)      41500 (3855)      10375 (964)      4611 (428)



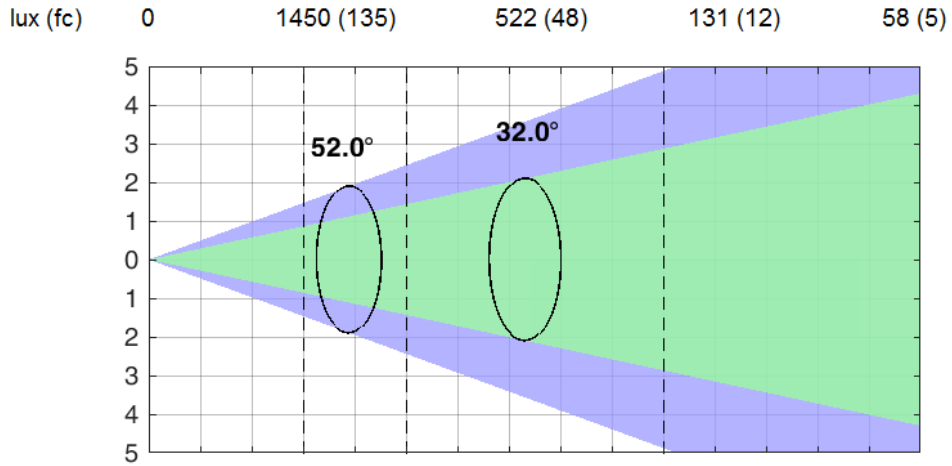
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10% m (ft in)		0	0.37 (1' 2")	0.61 (2' 0")	1.22 (4' 0")	1.83 (6' 0")
Diameter 50% m (ft in)		0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: RED. FAN MODE: STANDARD.**

**RED (52° 10% - 32° 50%)**

**Total Output: 4500 lumens**



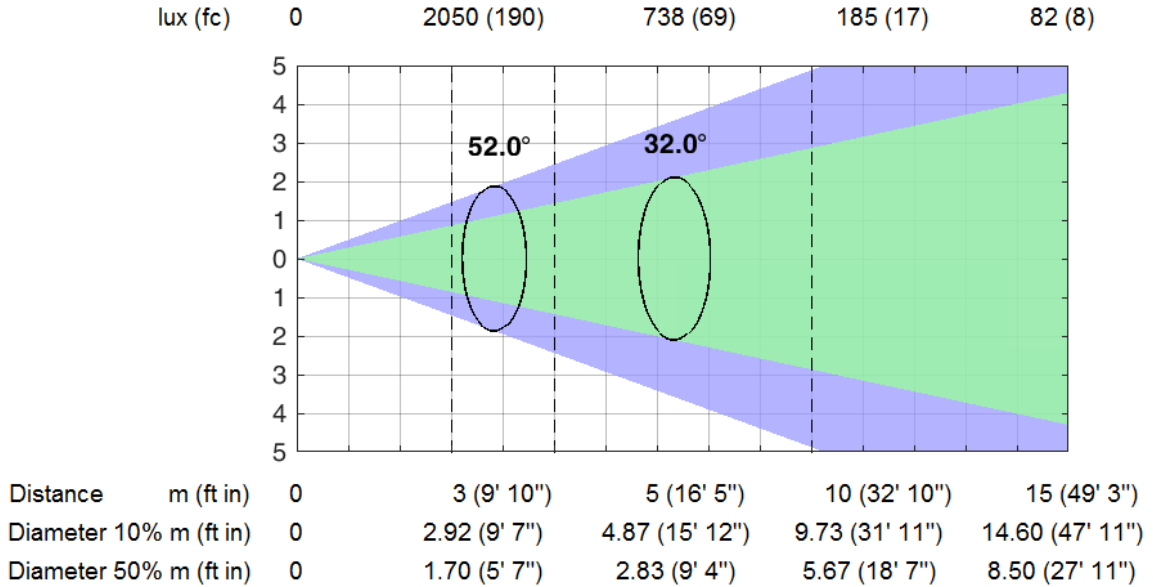
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	2.91 (9' 7")	4.85 (15' 11")	9.70 (31' 10")	14.55 (47' 9")
Diameter 50%	m (ft in)	0	1.66 (5' 5")	2.77 (9' 1")	5.53 (18' 2")	8.30 (27' 3")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: GREEN. FAN MODE: STANDARD.**

**GREEN (52° 10% - 32° 50%)**

**Total Output: 6000 lumens**

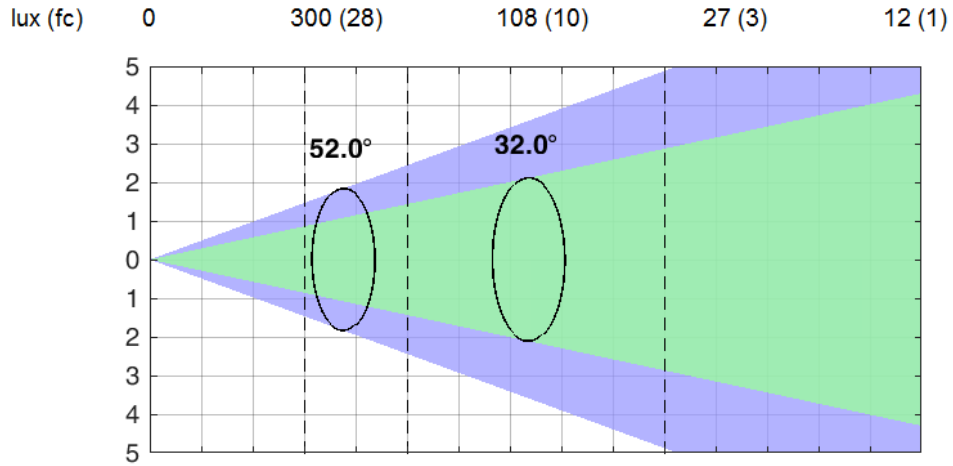


\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: BLUE. FAN MODE: STANDARD.**

**BLUE (52° 10% - 32° 50%)**

**Total Output: 900 lumens**



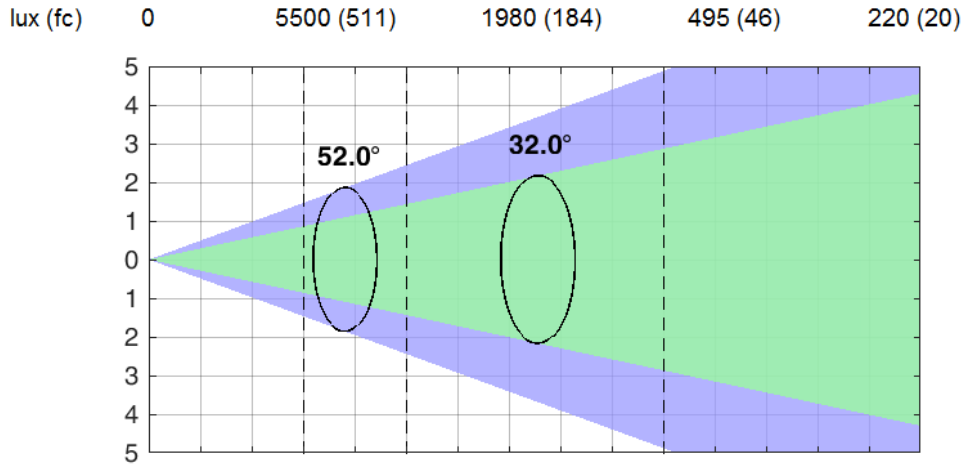
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10% m (ft in)		0	2.94 (9' 8")	4.90 (16' 1")	9.80 (32' 2")	14.70 (48' 3")
Diameter 50% m (ft in)		0	1.69 (5' 7")	2.82 (9' 3")	5.63 (18' 6")	8.45 (27' 9")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: FULL COLORS. FAN MODE: STANDARD.**

**FULL COLORS (52° 10% - 32° 50%)**

**Total Output: 16000 lumens**



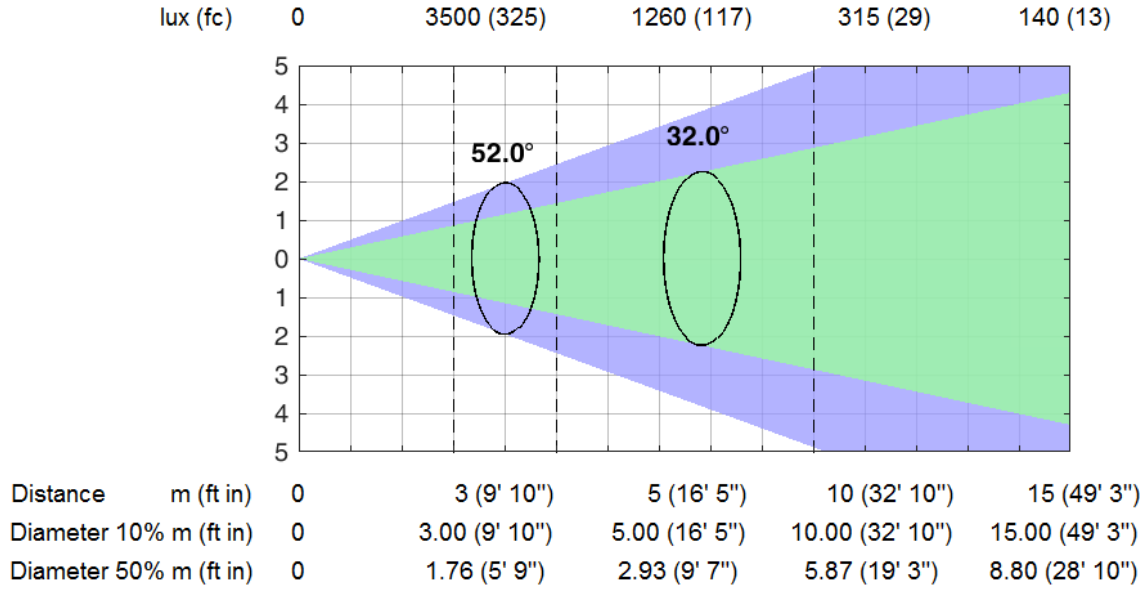
lux (fc)	0	5500 (511)	1980 (184)	495 (46)	220 (20)
Distance	m (ft in)	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	2.95 (9' 8")	4.92 (16' 2")	9.83 (32' 3")	14.75 (48' 5")
Diameter 50%	m (ft in)	1.71 (5' 7")	2.85 (9' 4")	5.70 (18' 8")	8.55 (28' 1")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: WHITE. FAN MODE: STANDARD.**

**WHITE (52° 10% - 32° 50%)**

**Total Output: 10000 lumens**



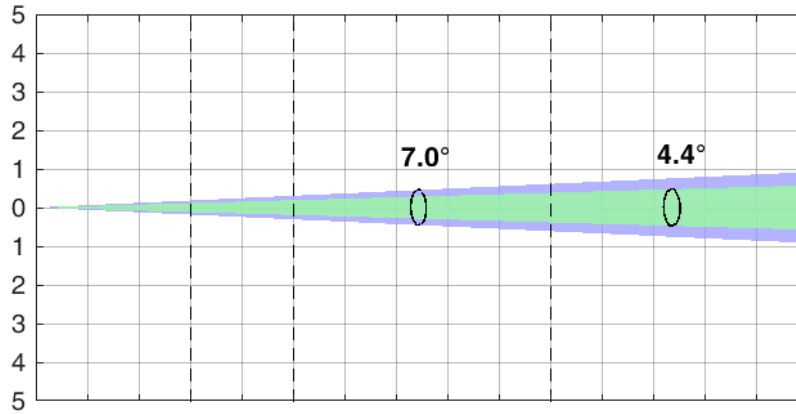
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: RED. FAN MODE: SUPER SILENT.**

**RED (7° 10% - 4.4° 50%)**

**Total Output: 2300 lumens**

lux (fc)    0            44444 (4129)    16000 (1486)    4000 (372)    1778 (165)



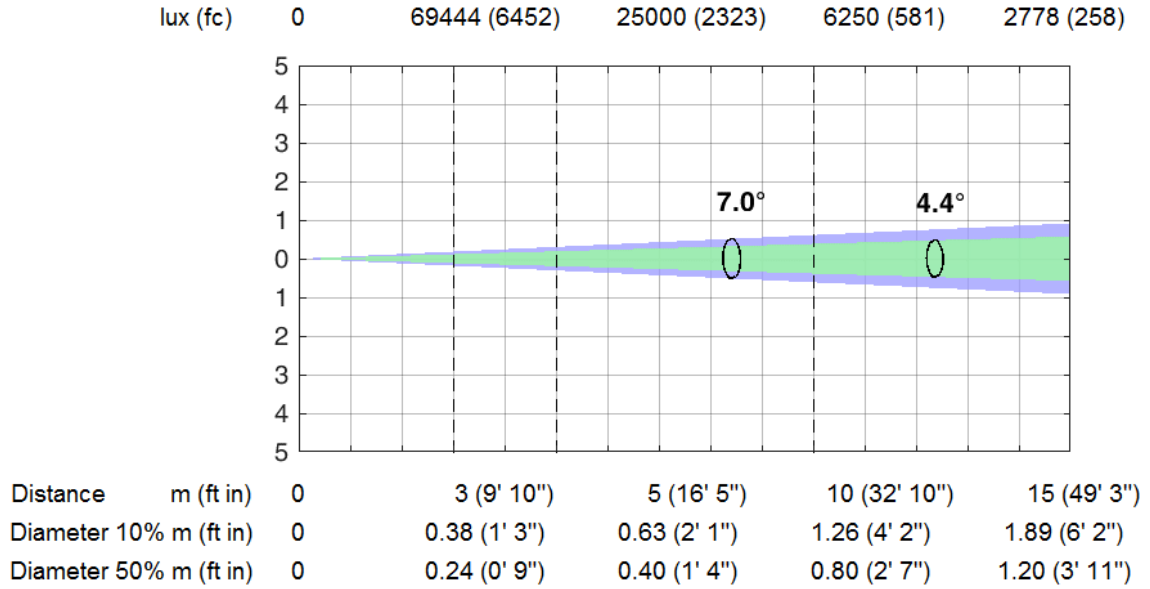
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	0.37 (1' 3")	0.62 (2' 0")	1.24 (4' 1")	1.86 (6' 1")
Diameter 50%	m (ft in)	0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: GREEN. FAN MODE: SUPER SILENT.**

**GREEN (7° 10% - 4.4° 50%)**

**Total Output: 4000 lumens**

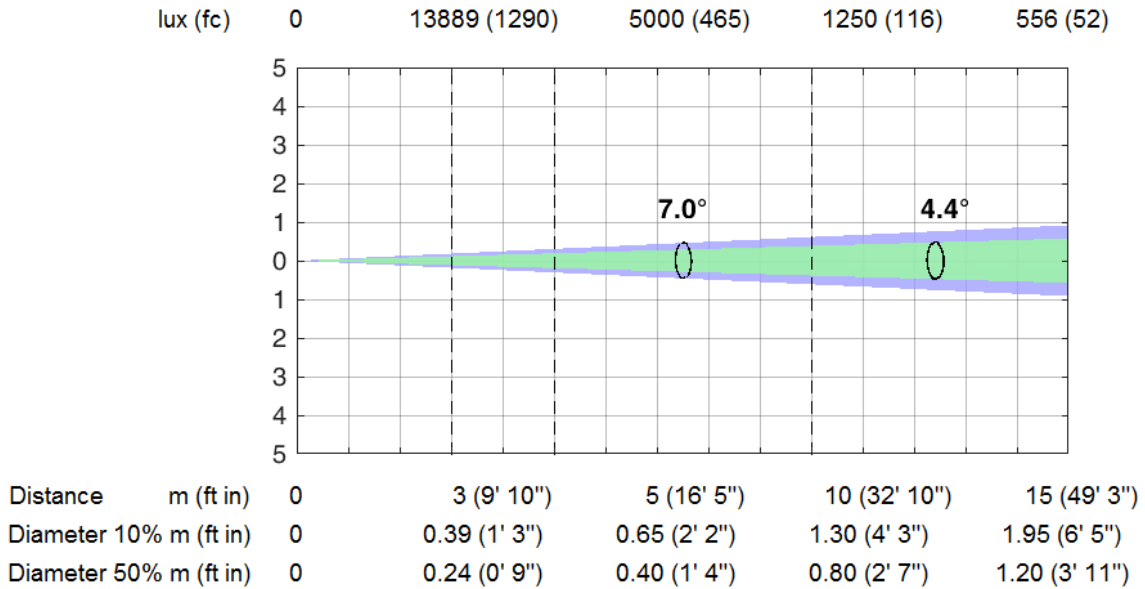


\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: BLUE. FAN MODE: SUPER SILENT.**

**BLUE (7° 10% - 4.4° 50%)**

**Total Output: 750 lumens**



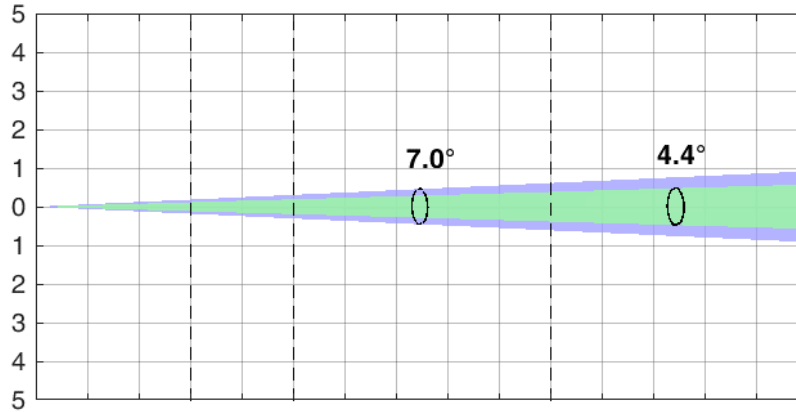
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: FULL COLORS. FAN MODE: SUPER SILENT.**

**FULL COLORS (7° 10% - 4.4° 50%)**

**Total Output: 8500 lumens**

lux (fc)    0            155556 (14451)    56000 (5203)    14000 (1301)    6222 (578)



Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	0.40 (1' 4")	0.66 (2' 2")	1.32 (4' 4")	1.98 (6' 6")
Diameter 50%	m (ft in)	0	0.23 (0' 9")	0.38 (1' 3")	0.76 (2' 6")	1.14 (3' 9")

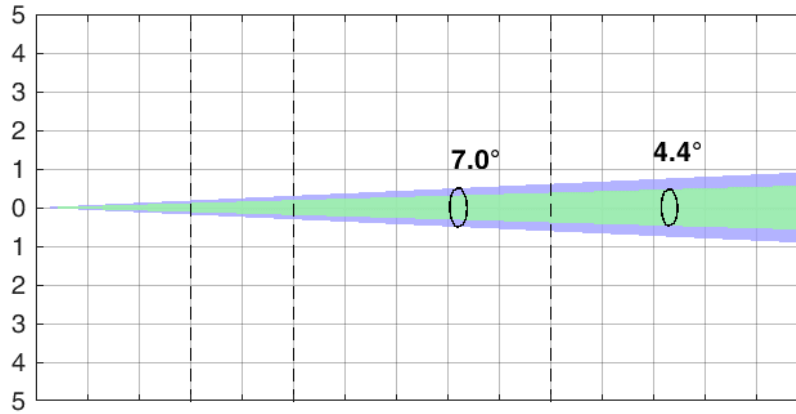
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MINIMUM ZOOM: WHITE. FAN MODE: SUPER SILENT.**

**WHITE (7° 10% - 4.4° 50%)**

**Total Output: 5500 lumens**

lux (fc)    0            102778 (9548)    37000 (3437)    9250 (859)    4111 (382)



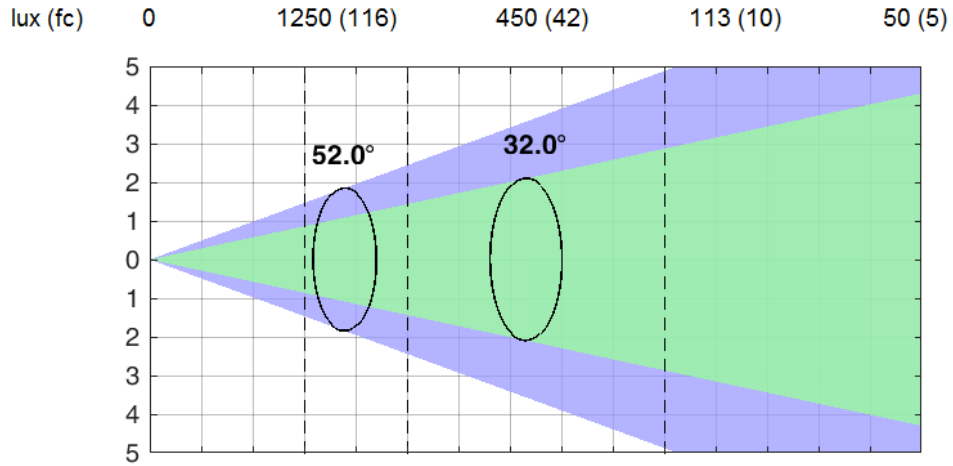
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	0.38 (1' 3")	0.64 (2' 1")	1.28 (4' 2")	1.92 (6' 4")
Diameter 50%	m (ft in)	0	0.23 (0' 9")	0.39 (1' 3")	0.78 (2' 7")	1.17 (3' 10")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: RED. FAN MODE: SUPER SILENT.**

**RED (52° 10% - 32° 50%)**

**Total Output: 4000 lumens**



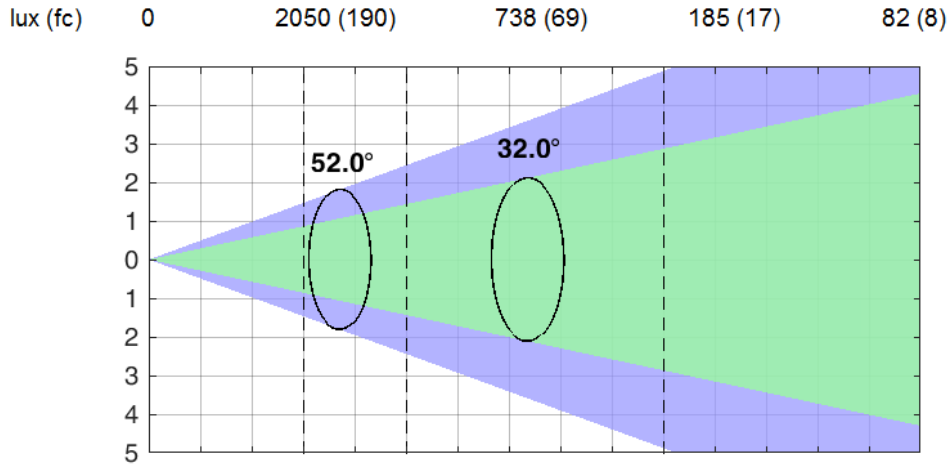
lux (fc)	0	1250 (116)	450 (42)	113 (10)	50 (5)
Distance	m (ft in)	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	2.92 (9' 7")	4.87 (15' 12")	9.73 (31' 11")	14.60 (47' 11")
Diameter 50%	m (ft in)	1.67 (5' 6")	2.78 (9' 2")	5.57 (18' 3")	8.35 (27' 5")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: GREEN. FAN MODE: SUPER SILENT.**

**GREEN (52° 10% - 32° 50%)**

**Total Output: 6000 lumens**



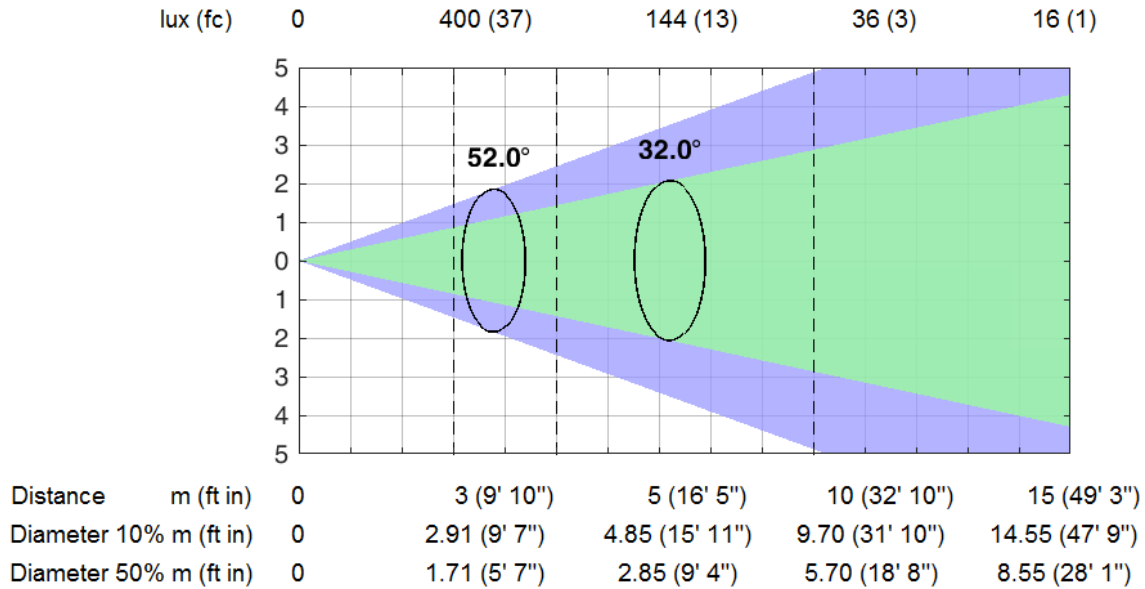
Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	2.94 (9' 8")	4.90 (16' 1")	9.80 (32' 2")	14.70 (48' 3")
Diameter 50%	m (ft in)	0	1.68 (5' 6")	2.80 (9' 2")	5.60 (18' 4")	8.40 (27' 7")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: BLUE. FAN MODE: SUPER SILENT.**

**BLUE (52° 10% - 32° 50%)**

**Total Output: 1200 lumens**

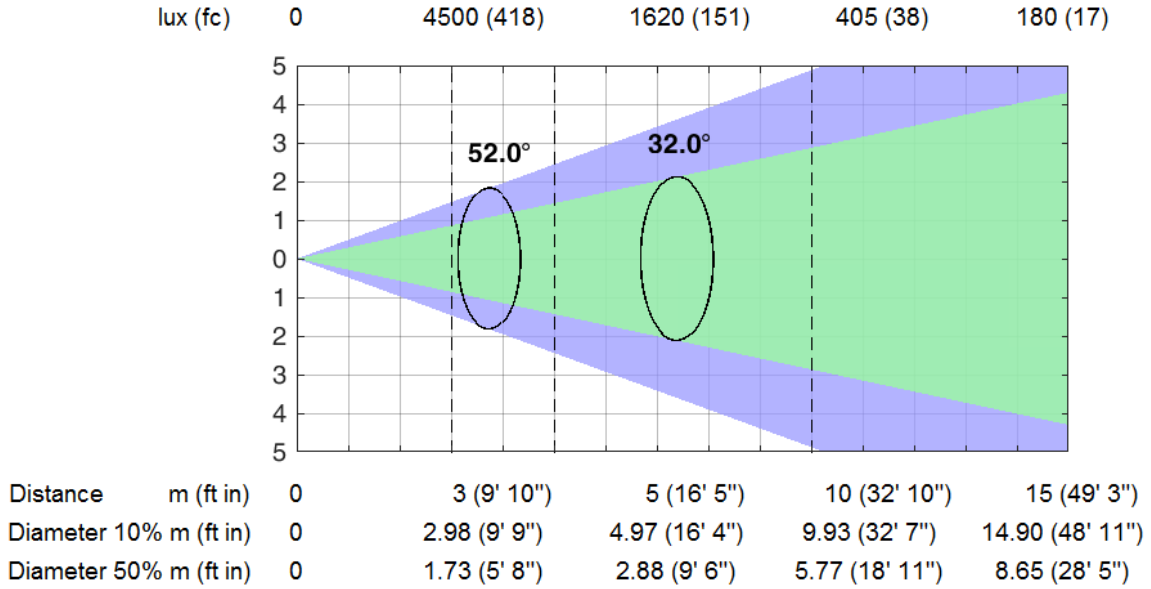


\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: FULL COLORS. FAN MODE: SUPER SILENT.**

**FULL COLORS (52° 10% - 32° 50%)**

**Total Output: 14000 lumens**

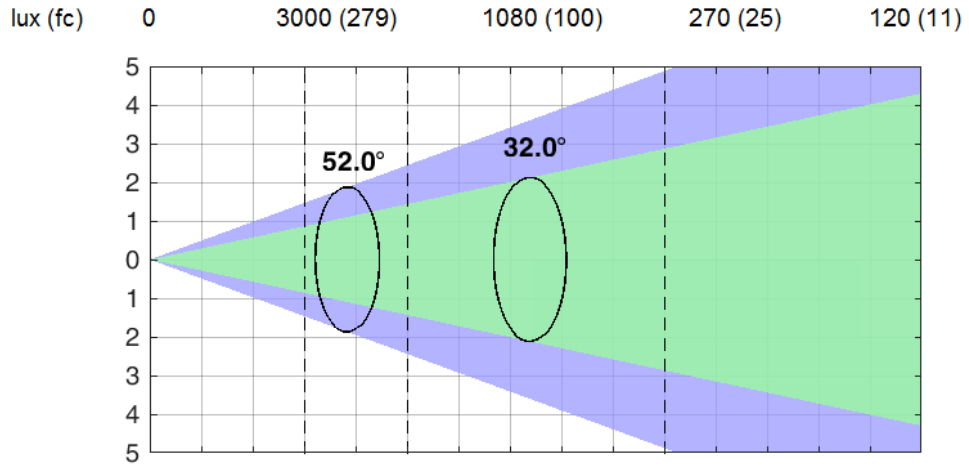


\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**MAXIMUM ZOOM: WHITE. FAN MODE: SUPER SILENT.**

**WHITE (52° 10% - 32° 50%)**

**Total Output: 9500 lumens**



Distance	m (ft in)	0	3 (9' 10")	5 (16' 5")	10 (32' 10")	15 (49' 3")
Diameter 10%	m (ft in)	0	3.03 (9' 11")	5.05 (16' 7")	10.10 (33' 2")	15.15 (49' 8")
Diameter 50%	m (ft in)	0	1.76 (5' 9")	2.93 (9' 7")	5.87 (19' 3")	8.80 (28' 10")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

# TM-30: WHITE

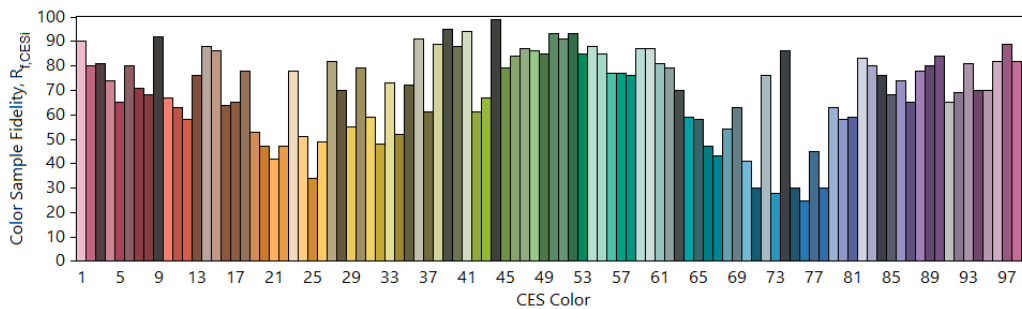
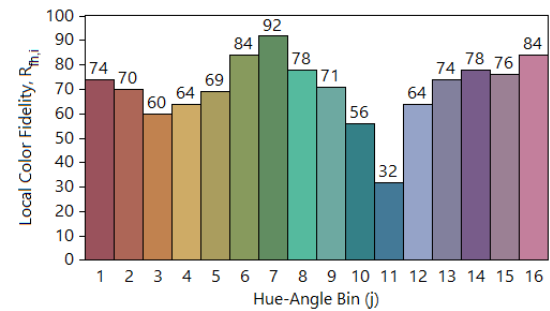
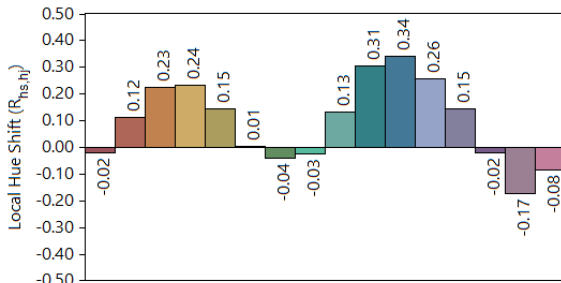
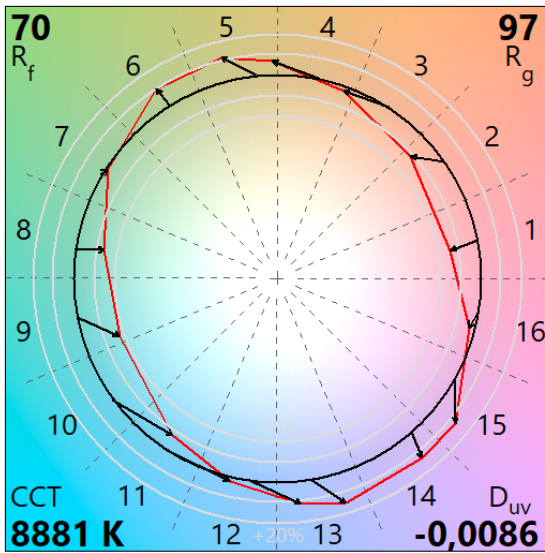
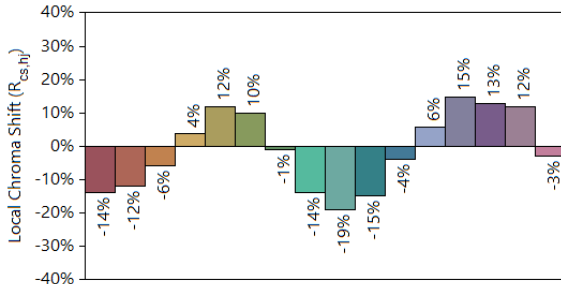
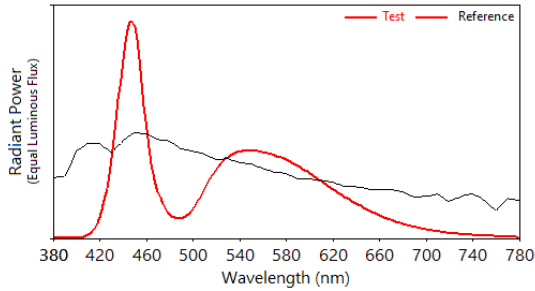
## IES TM-30-18 Color Rendition Report

Source: HY B-EYE K25 TEATRO

Manufacturer: Clay Paky

Date: 14.04.2022

Model: HY B-EYE K25 TEATRO



Notes: White

x 0,2923  
y 0,2858  
u' 0,2000  
v' 0,4401

CIE 13.3-1995  
(CRI)  
R<sub>a</sub> 75  
R<sub>g</sub> 12

Colors are for visual orientation purposes only.