

NAPF-3SPH
3" Apollo Square Flanged Pinhole

PRODUCT DESCRIPTION
3" Apollo flanged pinholes feature a 1.67" x 1.67" opening with exceptional glare control for a quiet ceiling appearance.

- FEATURES
- Precision-crafted micro flange
 - Architectural grade finishes
 - Exceptional glare control
 - Compatible with adjustable LED mechanism (361° rotation & 45° tilt)
 - cULus Listed for wet locations when used with lens

SPECIFICATION
Trim: Die-cast aluminum construction with architectural grade finishes. Protective e-coating for corrosion protection and durability.

Lens: Luminaire can be specified with clear lens (pre-installed). Wet location rated when used with lens.

Mounting: Trim easily installs into housing collar for installation.

COMPATIBLE HOUSINGS

CATALOG NO.	DESCRIPTION
NHAP-3S	3" Apollo Non-IC Air-Tight New Construction Housing with Field Changeable Optics (2500lm or 3000lm)
NHAPIC-3S	3" Apollo IC Air-Tight New Construction Housing with Field Changeable Optics (1000lm to 2000lm)
NHAPNIC-3S	3" Apollo IC Air-Tight New Construction Housing with Fixed Narrow Spot Optics (1000lm or 1500lm)

LABELS AND LISTINGS
cULus Listed for Damp Location (Wet Location when used with lens)



Type
Project
Catalog No.
Notes

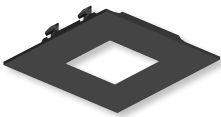
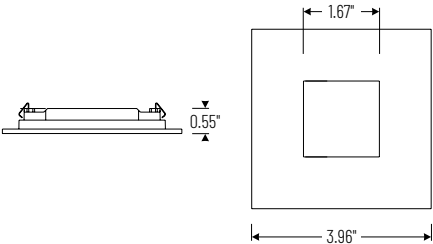
Performance Data @ 4000K & Matte Powder White finish

Optic	L1	L2	L3	L4	L5
12° NSP		1000lm			
15° NSP			1421lm		
Spot	852lm	1281lm	1702lm	2012lm	2287lm
NFL	845lm	1271lm	1688lm	2054lm	2285lm
Flood	688lm	1035lm	1375lm	1659lm	1933lm

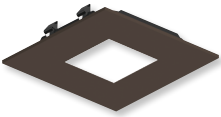
Delivered lumens will vary depending on optic, finish and CCT



PRODUCT IMAGES AND DIMENSIONS



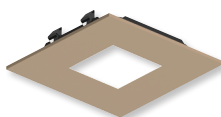
NAPF-3SPHB
Black



NAPF-3SPHBZ
Bronze



NAPF-3SPHMPW
Matte Powder White



NAPF-3SPHWD
Wheat Diffused

3" Apollo Square Flanged Pinhole

Finish	Optional Lens
NAPF-3SPHB = Black	(blank) = No Lens
NAPF-3SPHBZ = Bronze	/CL = Clear Lens (Wet Location)
NAPF-3SPHMPW = Matte Powder White	
NAPF-3SPHWD = Wheat Diffused	

Example: NAPF-3SPHMPW = 3" Square Flanged Pinhole, Matte Powder White finish

PHOTOMETRICS

3" Apollo Square Flanged Pinhole with Fixed Narrow Spot Optics

1000 or 1500 lumens

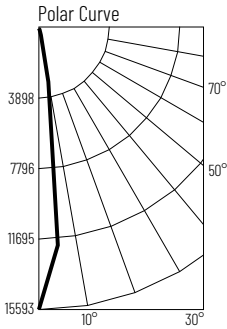
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1464R2
Part Number:
NHAPNIC-3S05L24012D / NAPF-3SPHMPW
Beam Spread: 12° Narrow Spot
Lumens: 1000lm
Wattage: 20.39W
Efficacy: 49lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.26
Spacing Criteria (90°-270°): 0.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	244fc	1'-8"
10'	156fc	2'-2"
12'	108fc	2'-7"
14'	79.6fc	3'
16'	60.9fc	3'-4"

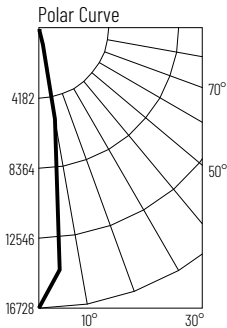
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	972	97.1
0-40	986	98.5
0-60	997	99.7
0-90	1000	100
90-180	0	0
0-180	1000	100

Candela Table

Vertical Angles	Candela
0	15593
5	12094
15	454
25	67
35	45
45	23

Test Information
Test Number: NTRA1460R1
Part Number:
NHAPNIC-3S05L24015D / NAPF-3SPHMPW
Beam Spread: 15° Narrow Spot
Lumens: 1421lm
Wattage: 23.76W
Efficacy: 60lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.3
Spacing Criteria (90°-270°): 0.3



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
12'	116fc	3'-1"
14'	85.3fc	3'-8"
16'	65.3fc	4'-2"
18'	51.6fc	4'-8"
20'	41.8fc	5'-2"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1380	97.1
0-40	1398	98.4
0-60	1416	99.6
0-90	1421	100
90-180	0	0
0-180	1421	100

Candela Table

Vertical Angles	Candela
0	16728
5	14483
15	1013
25	90
35	62
45	30

Lumen Output Multipliers
Color Temperature: 2700K (0.92), 3000K (0.95), 3500K (0.98), 4000K (1.00)

PHOTOMETRICS

3" Apollo Square Flanged Pinhole with Field Changeable Optics

1000 lumens

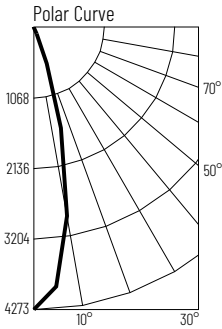
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1208R1
Part Number:
NHAPIC-3S05L14025D / NAPF-3SPHMPW
Beam Spread: 24° Spot
Lumens: 852lm
Wattage: 9.48W
Efficacy: 90pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.44
Spacing Criteria (90°-270°): 0.44



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	267fc	1'-10"
6'	119fc	2'-7"
8'	66.8fc	3'-6"
10'	42.7fc	4'-5"
12'	29.7fc	5'-4"

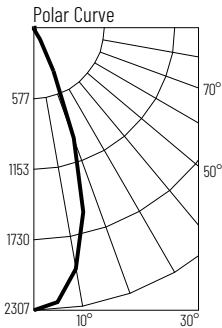
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	832	97.6
0-40	835	98
0-60	842	98.8
0-90	852	100
90-180	0	0
0-180	852	100

Candela Table

Vertical Angles	Candela
0	4273
5	3937
15	1580
25	111
35	5
45	7

Test Information
Test Number: NTRA1209R1
Part Number:
NHAPIC-3S05L14040D / NAPF-3SPHMPW
Beam Spread: 35° Narrow Flood
Lumens: 845lm
Wattage: 9.48W
Efficacy: 89pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.6



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	144fc	2'-7"
6'	64.1fc	3'-11"
8'	36fc	5'-2"
10'	23.1fc	6'-6"
12'	16fc	7'-10"

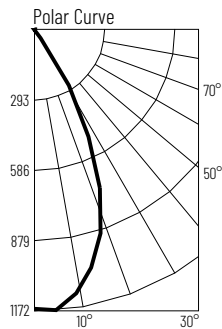
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	811	96
0-40	930	98.2
0-60	835	98.8
0-90	845	100
90-180	0	0
0-180	845	100

Candela Table

Vertical Angles	Candela
0	2307
5	2247
15	1560
25	390
35	8
45	6

Test Information
Test Number: NTRA1210R1
Part Number:
NHAPIC-3S05L14055D / NAPF-3SPHMPW
Beam Spread: 46° Flood
Lumens: 688lm
Wattage: 9.48W
Efficacy: 73pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.8
Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	72.8fc	3'-6"
6'	32.3fc	5'-2"
8'	18.2fc	7'
10'	11.6fc	8'-8"
12'	8.1fc	10'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	557	81
0-40	665	96.7
0-60	674	97.9
0-90	688	100
90-180	0	0
0-180	688	100

Candela Table

Vertical Angles	Candela
0	1164
5	1121
15	960
25	557
35	49
45	5

Lumen Output Multipliers
Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

PHOTOMETRICS

3" Apollo Square Flanged Pinhole with Field Changeable Optics

1500 lumens

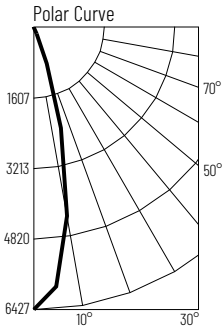
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1220R1
Part Number:
NHAPIC-3S05L24025D / NAPF-3SPHMPW
Beam Spread: 24° Spot
Lumens: 1281lm
Wattage: 14.47W
Efficacy: 89pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.44
Spacing Criteria (90°-270°): 0.44

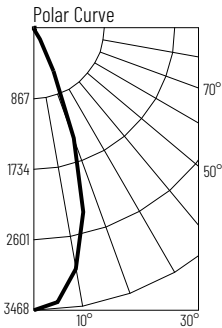


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	179fc	2'-7"
8'	100fc	3'-6"
10'	64.3fc	4'-5"
12'	44.6fc	5'-4"
14'	32.8fc	6'-2"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1251	97.6
0-40	1256	98
0-60	1266	98.8
0-90	1281	100
90-180	0	0
0-180	1281	100

Candela Table	
Vertical Angles	Candela
0	6427
5	5922
15	2377
25	167
35	8
45	11

Test Information
Test Number: NTRA1221R1
Part Number:
NHAPIC-3S05L24040D / NAPF-3SPHMPW
Beam Spread: 35° Narrow Flood
Lumens: 1271lm
Wattage: 14.47W
Efficacy: 88pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.6

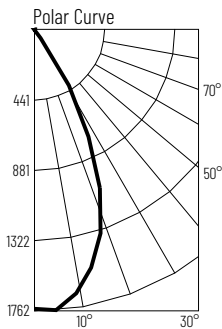


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	96.3fc	3'-11"
8'	54.2fc	5'-2"
10'	34.7fc	6'-6"
12'	24.1fc	7'-10"
14'	17.7fc	9'-1"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1220	96
0-40	1247	98.2
0-60	1256	98.8
0-90	1271	100
90-180	0	0
0-180	1271	100

Candela Table	
Vertical Angles	Candela
0	3468
5	3379
15	2345
25	586
35	12
45	8

Test Information
Test Number: NTRA1222R1
Part Number:
NHAPIC-3S05L24055D / NAPF-3SPHMPW
Beam Spread: 46° Flood
Lumens: 1035lm
Wattage: 14.47W
Efficacy: 72pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.8
Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	48.6fc	5'-2"
8'	27.3fc	7'
10'	17.5fc	8'-8"
12'	12.2fc	10'-6"
14'	8.9fc	12'-2"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	838	81
0-40	1000	96.7
0-60	1013	97.9
0-90	1035	100
90-180	0	0
0-180	1035	100

Candela Table	
Vertical Angles	Candela
0	1750
5	1686
15	1443
25	838
35	74
45	7

Lumen Output Multipliers
Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

PHOTOMETRICS

3" Apollo Square Flanged Pinhole with Field Changeable Optics

2000 lumens

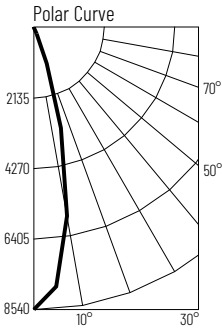
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1013R1
Part Number:
NHAPIC-3S05L34025D / NAPF-3SPHMPW
Beam Spread: 24° Spot
Lumens: 1702lm
Wattage: 19.97W
Efficacy: 85pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.44
Spacing Criteria (90°-270°): 0.44



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	133fc	3'-6"
10'	85.fc	4'-5"
12'	59.3fc	5'-4"
14'	43.6fc	6'-2"
16'	33.4fc	7'-1"

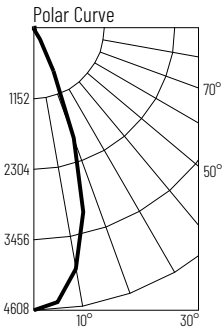
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1662	97.6
0-40	1669	98
0-60	1682	98.8
0-90	1703	100
90-180	0	0
0-180	1703	100

Candela Table

Vertical Angles	Candela
0	8540
5	7869
15	3159
25	222
35	10
45	15

Test Information
Test Number: NTRA1014R1
Part Number:
NHAPIC-3S05L34040D / NAPF-3SPHMPW
Beam Spread: 35° Narrow Flood
Lumens: 1688lm
Wattage: 19.97W
Efficacy: 85pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.6



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	72fc	5'-2"
10'	46.1fc	6'-6"
12'	32fc	7'-10"
14'	23.5fc	9'-1"
16'	18fc	10'-5"

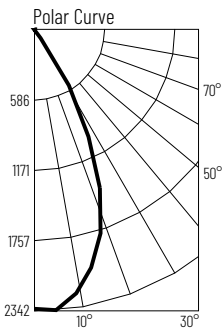
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1620	96
0-40	1657	98.2
0-60	1668	98.8
0-90	1688	100
90-180	0	0
0-180	1688	100

Candela Table

Vertical Angles	Candela
0	4608
5	4489
15	3116
25	779
35	16
45	11

Test Information
Test Number: NTRA1015R1
Part Number:
NHAPIC-3S05L34055D / NAPF-3SPHMPW
Beam Spread: 46° Flood
Lumens: 1375lm
Wattage: 19.97W
Efficacy: 69pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.8
Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	36.4fc	7'
10'	23.3fc	8'-8"
12'	16.2fc	10'-6"
14'	11.9fc	12'-2"
16'	9.1fc	14'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1114	81
0-40	1330	96.7
0-60	1346	97.9
0-90	1375	100
90-180	0	0
0-180	1375	100

Candela Table

Vertical Angles	Candela
0	2326
5	2241
15	1919
25	1113
35	98
45	9

Lumen Output Multipliers
Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

PHOTOMETRICS

3" Apollo Square Flanged Pinhole with Field Changeable Optics

2500 lumens

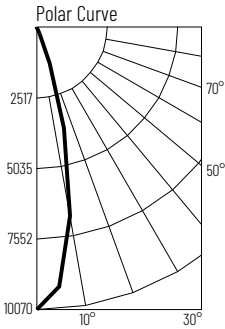
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1241R2
Part Number:
NHAP-3S05L44025D / NAPF-3SPHMPW
Beam Spread: 24° Spot
Lumens: 2012lm
Wattage: 25.57W
Efficacy: 79pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.44
Spacing Criteria (90°-270°): 0.42

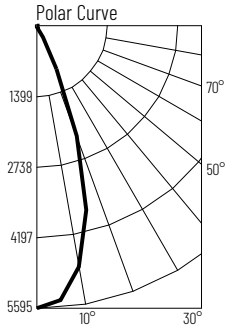


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
16'	39.3fc	7'-1"
18'	31.1fc	8'
20'	25.2fc	8'-10"
22'	20.8fc	9'-8"
24'	17.5fc	10'-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1965	97.6
0-40	1972	98
0-60	1988	98.8
0-90	2012	100
90-180	0	0
0-180	2012	100

Candela Table	
Vertical Angles	Candela
0	10070
5	9128
15	3482
25	232
35	12
45	18

Test Information
Test Number: NTRA1242R2
Part Number:
NHAP-3S05L44040D / NAPF-3SPHMPW
Beam Spread: 35° Narrow Flood
Lumens: 2054lm
Wattage: 25.57W
Efficacy: 80pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.6

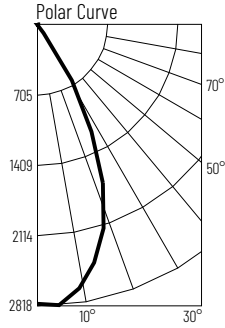


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
16'	21.9fc	10'-5"
18'	17.3fc	11'-8"
20'	14fc	13'
22'	11.6fc	14'-4"
24'	9.7fc	15'-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1970	96
0-40	2016	98.2
0-60	2029	98.8
0-90	2054	100
90-180	0	0
0-180	2054	100

Candela Table	
Vertical Angles	Candela
0	5595
5	5421
15	3687
25	894
35	19
45	14

Test Information
Test Number: NTRA1243R2
Part Number:
NHAP-3S05L44055D / NAPF-3SPHMPW
Beam Spread: 46° Flood
Lumens: 1659lm
Wattage: 25.57W
Efficacy: 65pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.78
Spacing Criteria (90°-270°): 0.74



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
16'	10.9fc	14'
18'	8.7fc	15'-10"
20'	7fc	17'-6"
22'	5.8fc	19'-4"
24'	4.9fc	21'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1342	80.9
0-40	1603	96.6
0-60	1625	97.9
0-90	1659	100
90-180	0	0
0-180	1659	100

Candela Table	
Vertical Angles	Candela
0	2801
5	2678
15	2248
25	1206
35	90
45	12

Lumen Output Multipliers
Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

PHOTOMETRICS

3" Apollo Square Flanged Pinhole with Field Changeable Optics

3000 lumens

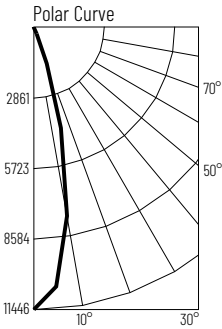
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1581R1
Part Number:
NHAP-3S05L54025D / NAPF-3SPHMPW
Beam Spread: 24° Spot
Lumens: 2287lm
Wattage: 30.44W
Efficacy: 75pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.44
Spacing Criteria (90°-270°): 0.42

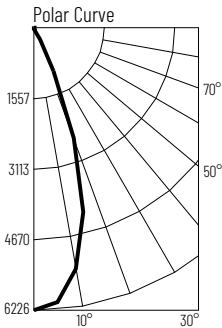


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
20'	28.6fc	8'-10"
22'	23.6fc	9'-8"
24'	19.9fc	10'-7"
26'	16.9fc	11'-6"
28'	14.6fc	12'-5"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2233	97.6
0-40	2242	98
0-60	2260	98.8
0-90	2287	100
90-180	0	0
0-180	2287	100

Candela Table	
Vertical Angles	Candela
0	11446
5	10375
15	3958
25	264
35	14
45	20

Test Information
Test Number: NTRA1582R1
Part Number:
NHAP-3S05L54040D / NAPF-3SPHMPW
Beam Spread: 35° Narrow Flood
Lumens: 2285lm
Wattage: 30.44W
Efficacy: 75pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.6

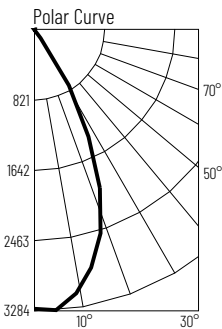


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
20'	15.6fc	13'
22'	12.9fc	14'-4"
24'	10.8fc	15'-7"
26'	9.2fc	16'-11"
28'	7.9fc	18'-2"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2193	95.9
0-40	2243	98.2
0-60	2258	98.8
0-90	2285	100
90-180	0	0
0-180	2285	100

Candela Table	
Vertical Angles	Candela
0	6226
5	6032
15	4103
25	995
35	21
45	15

Test Information
Test Number: NTRA1583R1
Part Number:
NHAP-3S05L54055D / NAPF-3SPHMPW
Beam Spread: 46° Flood
Lumens: 1933lm
Wattage: 30.44W
Efficacy: 64pw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.78
Spacing Criteria (90°-270°): 0.74



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
20'	8.2fc	17'-6"
22'	6.7fc	19'-4"
24'	5.7fc	21'
26'	4.8fc	22'-10"
28'	4.2fc	24'-6"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1564	80.9
0-40	1868	96.6
0-60	1893	97.9
0-90	1933	100
90-180	0	0
0-180	1933	100

Candela Table	
Vertical Angles	Candela
0	3264
5	3120
15	2619
25	1406
35	105
45	13

Lumen Output Multipliers
Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)