



MOUNTING OPTIONS

- Chain mounting with V-hooks is standard
- Optional surface mounting kits provides attachment to flat ceilings
- Optional pendant mounting kits provides pendant attachment to junction boxes
- Optional cable mounting kits provide suspension at two lengths (i.e., 3 & 5 meters)



MODEL	COLOR TEMPERATURE	VOLTAGE	SERIES	OCCUPANCY SENSOR ¹²³	EMERGENCY DRIVER ³⁴⁵
07-LEDFHB90	4K = 4000k 5K = 5000k	MVDIM = 120-277V UNC = 347-480V	V2	OS = PASSIVE INFRARED ODS = MICROWAVE BLAN = NO OCCUPANCY SENSOR	EM12 = 1200 LUMENS EM16 = 1600 LUMENS EM20 = 2000 LUMENS EM24 = 2400 LUMENS EC12 = 1200 LUMENS EC16 = 1600 LUMENS EC20 = 2000 LUMENS EC24 = 2400 LUMENS BLANK = NO EMERGENCY
07-LEDFHB135					
07-LEDFHB180					
07-LEDFHB215					
07-LEDFHB265					
07-LEDFHB307					
07-LEDFHB425					

APPLICATIONS

The 07-LEDFHB-V2 series is a group of full-body, premium-performance LED high bay luminaires. These luminaires are designed to illuminate a wide variety of settings, including commercial, industrial and retail settings such as warehouses, manufacturing plants, sporting venues and big-box retailers. With a painted, steel housing, the 07-LEDFHB-V2 provides high levels of durability and performance. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional, High Intensity Discharge (HID) high bays.

LIFE HOURS
122,000

FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L_{70}). **
- Delivers from 12,193 lumens (140 lumens per watt, LPW) to 60,629 lumens (142 LPW).*
- 0-10vdc dimming drivers are standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Painted steel housings are standard.
- Chain-mount kits (includes v-hooks and 1/8" thick, 1-meter long chain) are standard.
- Accessories include lenses (clear & diffused), wire-guard kits, surface-mounting kits, pendant-mounting kits, and cable-mounting kits.
- Easy installation in new construction or retrofit.

* Contact factory for other color temperatures and lumen packages.
** L70 hours are IES TM-21-11 calculated hours.

WARRANTY/LISTING

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F)
- Flicker-free per IEEE1789-2015 (low risk of adverse effects of flicker at 100% light output level)
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, class A
- Complies with IEEE C.62.41-1991, input transient protection (2.5kV)
- 5-Year Warranty of all electronics and housing

¹ Sensors available for 120-277V models only.

² Contact factory for other sensors.

³ Luminaires with the OS sensor installed have a maximum mounting height of 26 FT.

⁴ Emergency drivers available for 120-277V models only.

⁵ See list of emergency drivers (page 2).

⁶ EC emergency drivers are California Energy Commission (CEC) listed.

COMPATIBLE EMERGENCY DRIVERS

EMERGENCY DRIVER PART NUMBER	EM12 / EC12		EM16 / EC16		EM20 / EC20		EM24 / EC24		RUNTIME
MODEL	WATTS	EM LUMENS	WATTS	EM LUMENS	WATTS	EM LUMENS	WATTS	EM LUMENS	
LEDFHB90	7.8	1092	10.7	1498	13.7	1918	17.0	2380	90 MINS.
LEDFHB135	7.8	1084	10.7	1487	13.7	1904	17.0	2363	
LEDFHB180	7.8	1092	10.7	1498	13.7	1918	17.0	2380	
LEDFHB215	7.8	1100	10.7	1509	13.7	1932	17.0	2397	
LEDFHB265	7.8	1100	10.7	1509	13.7	1932	17.0	2397	
LEDFHB320	7.8	1076	10.7	1477	13.7	1891	17.0	2346	
LEDFHB425	7.8	1084	10.7	1487	13.7	1904	17.0	2363	

ACCESSORIES

LENS

LEDFHB-CRLENS-12X23	= Clear lens – 90W, 135W & 180W
LEDFHB-CRLENS-17X23	= Clear lens – 215W
LEDFHB-CRLENS-12X45	= Clear lens – 265W & 320W
LEDFHB-CRLENS-17X45	= Clear lens – 425W
LEDFHB-DIFLENS-12X23	= Diffuse lens – 90W, 135W & 180W
LEDFHB-DIFLENS-17X23	= Diffuse lens – 215W
LEDFHB-DIFLENS-12X45	= Diffuse lens – 265W & 320W
LEDFHB-DIFLENS-17X45	= Diffuse lens – 425W

WIRE GUARD

LEDFHB-WG-12X23	= Wire-guard kit – 90W, 135W & 180W
LEDFHB-WG-17X23	= Wire-guard kit – 215W
LEDFHB-WG-12X45	= Wire-guard kit – 265W & 320W
LEDFHB-WG-17X45	= Wire-guard kit – 425W

MOUNTING OPTIONS

LEDFHB-SMK-12.625WIDE	= Surface-mount kit – 90W, 135W, 180W, 265W & 320W
LEDFHB-SMK-17.25WIDE	= Surface-mount kit – 215W & 425W
LEDFHB-PMK	= Pendant-mount kit – 90W, 135W, 180W, 265W, 320W, & 425W
LEDFHB-PMK8	= Pendant-mount kit – 215W
LEDFHB-CMK3	= Cable-mounting kit, 3 meters long
LEDFHB-CMK5	= Cable-mounting kit, 5 meters long

COMPATIBLE DIMMERS

Manufacture	Model Number	Dimming Range	Load Switching Capacity
Lutron	DVSTV	10%-100%	450W
Leviton	IP70-LFZ	10%-100%	1200W
General Protecht	DMD-LED3-102	10%-100%	600W

ELECTRIC DATA

MODEL	COLOR TEMP.	CRI ¹	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/ WATT	INPUT VOLTAGE ²	INPUT CURRENT (A)			POWER FACTOR	THD ³	L ₇₀ HOURS ⁴
							120V	240V	277V			
07-LEDFHB90-4K-MVDIM-V2	4000k	>80	12,193	87	140	107-277	0.73	0.36	0.31	>90%	<20%	122,000
07-LEDFHB90-5K-MVDIM-V2	5000k	>80	12,394	87	142	107-277	0.73	0.36	0.31	>90%	<20%	122,000
07-LEDFHB135-4K-MVDIM-V2	4000k	>80	18,401	132	139	107-277	1.10	0.55	0.48	>90%	<20%	122,000
07-LEDFHB135-5K-MVDIM-V2	5000k	>80	18,564	132	141	107-277	1.10	0.55	0.48	>90%	<20%	122,000
07-LEDFHB180-4K-MVDIM-V2	4000k	>80	24,457	175	140	107-277	1.46	0.73	0.63	>90%	<20%	122,000
07-LEDFHB180-5K-MVDIM-V2	5000k	>80	24,603	175	141	107-277	1.46	0.73	0.63	>90%	<20%	122,000
07-LEDFHB215-4K-MVDIM-V2	4000k	>80	29,929	213	141	107-277	1.78	0.89	0.77	>90%	<20%	122,000
07-LEDFHB215-5K-MVDIM-V2	5000k	>80	30,356	213	143	107-277	1.78	0.89	0.77	>90%	<20%	122,000
07-LEDFHB265-4K-MVDIM-V2	4000k	>80	37,590	267	141	107-277	2.23	1.11	0.96	>90%	<20%	122,000
07-LEDFHB265-5K-MVDIM-V2	5000k	>80	37,996	267	142	107-277	2.23	1.11	0.96	>90%	<20%	122,000
07-LEDFHB307-4K-MVDIM-V2	4000k	>80	44,235	320	138	107-277	2.67	1.33	1.16	>90%	<20%	122,000
07-LEDFHB307-5K-MVDIM-V2	5000k	>80	44,460	320	139	107-277	2.67	1.33	1.16	>90%	<20%	122,000
07-LEDFHB425-4K-MVDIM-V2	4000k	>80	59,278	428	139	107-277	3.57	1.78	1.55	>90%	<20%	122,000
07-LEDFHB425-5K-MVDIM-V2	5000k	>80	60,629	428	142	107-277	3.57	1.78	1.55	>90%	<20%	122,000

¹ Color rendering index.

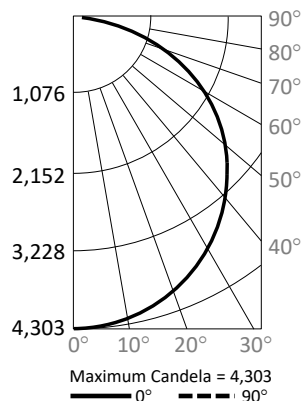
² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

07-LEDFHB90-5K-MVDIM-V2 (12,394 Lumens)

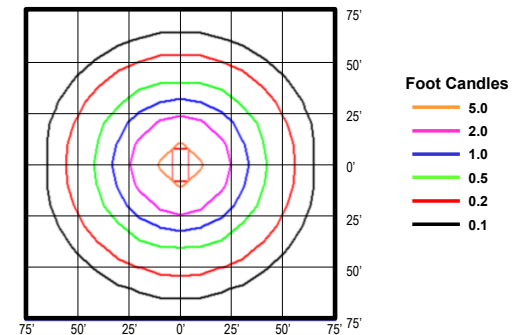
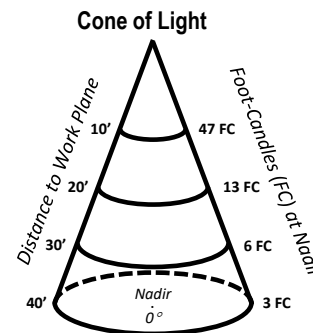


Candlepower Summary

	0°	90°
0°	4,303	4,303
10°	4,274	4,302
20°	4,110	4,154
30°	3,767	3,822
40°	3,305	3,385
50°	2,713	2,841
60°	1,987	2,179
70°	1,176	1,045
80°	385	268
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	406	3.3%
0° – 20°	1,582	12.8%
0° – 30°	3,397	27.4%
0° – 40°	5,614	45.3%
0° – 50°	7,947	64.1%
0° – 60°	10,069	81.2%
0° – 70°	11,644	94.0%
0° – 80°	12,313	99.3%
0° – 90°	12,394	100.0%
90° – 180°	0	0.0%
0° – 180°	12,394	100.0%

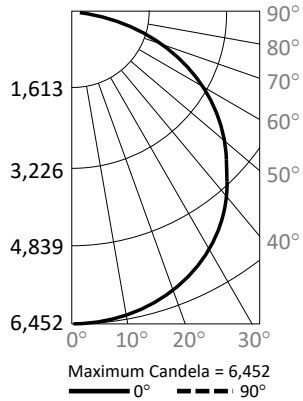


Notes:

- Isofootcandle plots depict initial foot-candles at grade.
- Gridlines represent units of mounting height of 25 feet.

PHOTOMETRIC DATA

07-LEDFHB135-5K-MVDIM-V2 (18,564 Lumens)

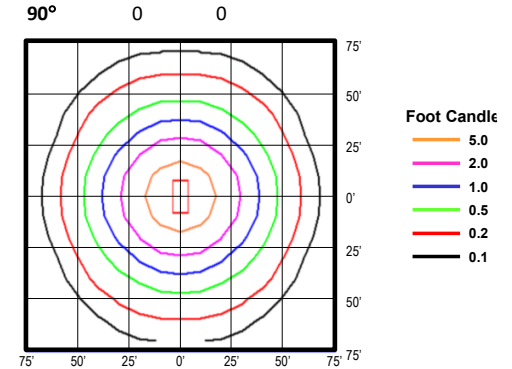
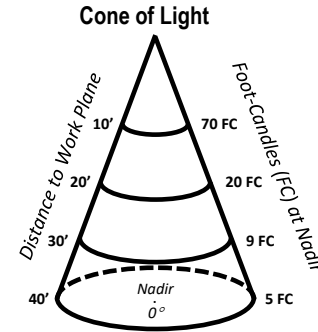


Candlepower Summary

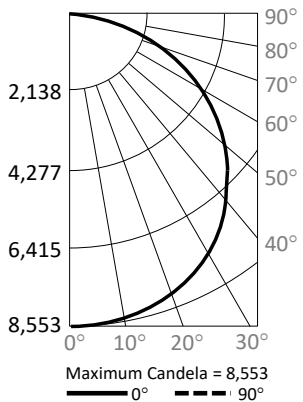
	0°	90°
0°	6,452	6,452
10°	6,398	6,438
20°	6,143	6,215
30°	5,642	5,845
40°	4,948	5,133
50°	4,066	4,265
60°	3,003	3,257
70°	1,772	1,305
80°	580	300
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	610	3.3%
0° – 20°	2,377	12.8%
0° – 30°	5,110	27.5%
0° – 40°	8,470	45.6%
0° – 50°	11,998	64.6%
0° – 60°	15,214	82.0%
0° – 70°	17,465	94.1%
0° – 80°	18,441	99.3%
0° – 90°	18,564	100.0%
90° – 180°	0	0.0%
0° – 180°	18,564	100.0%



07-LEDFHB180-5K-MVDIM-V2 (24,603 Lumens)

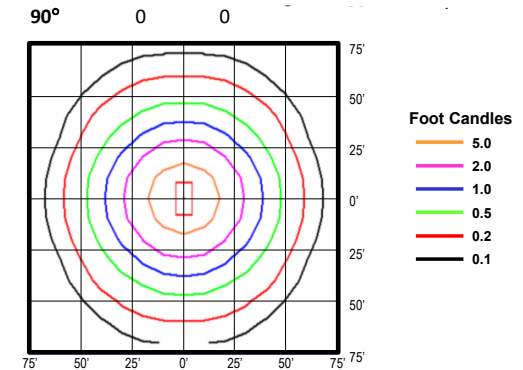
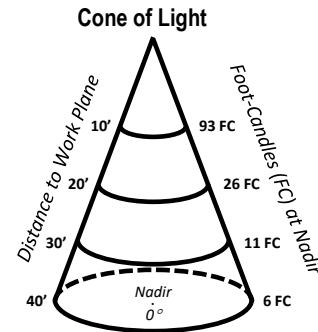


Candlepower Summary

	0°	90°
0°	8,553	8,553
10°	8,487	8,480
20°	8,173	8,255
30°	7,487	7,759
40°	6,581	6,870
50°	5,425	5,678
60°	3,993	3,802
70°	2,383	2,084
80°	808	346
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	809	3.3%
0° – 20°	3,155	12.8%
0° – 30°	6,787	27.6%
0° – 40°	11,259	45.8%
0° – 50°	15,964	64.9%
0° – 60°	20,185	82.0%
0° – 70°	23,093	93.9%
0° – 80°	24,441	99.3%
0° – 90°	24,603	100.0%
90° – 180°	0	0.0%
0° – 180°	24,603	100.0%

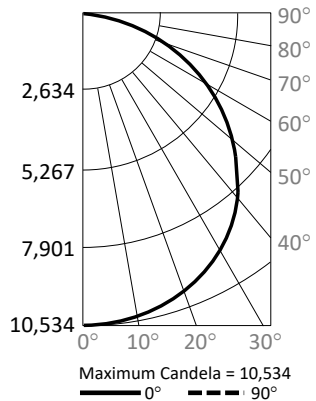


Notes:

- Isofootcandle plots depict initial foot-candles at grade.
- Gridlines represent units of mounting height of 25 feet.

PHOTOMETRIC DATA

07-LEDFHB215-5K-MVDIM-V2 (30,356 Lumens)

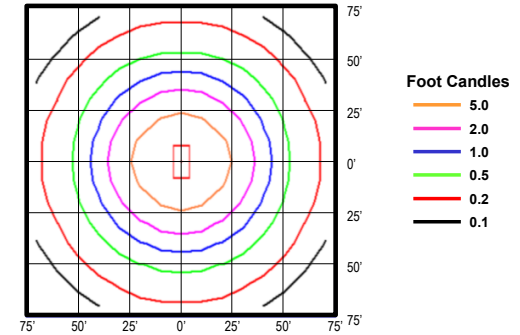
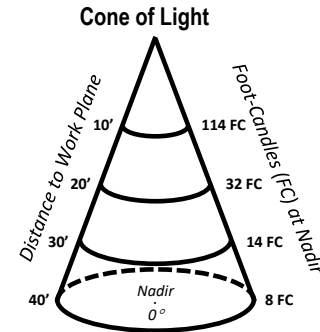


Candlepower Summary

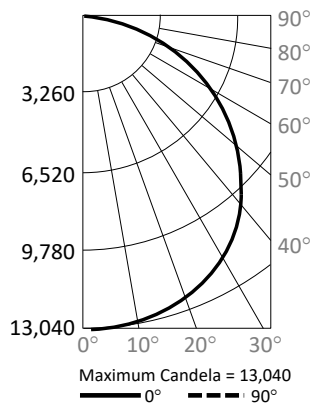
	0°	90°
0°	10,534	10,534
10°	10,446	10,436
20°	10,036	10,119
30°	9,191	9,493
40°	8,048	8,416
50°	6,605	7,015
60°	4,857	4,897
70°	2,885	2,838
80°	972	560
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	993	3.3%
0° – 20°	3,870	12.7%
0° – 30°	8,310	27.4%
0° – 40°	13,770	45.4%
0° – 50°	19,513	64.3%
0° – 60°	24,683	81.3%
0° – 70°	28,355	93.4%
0° – 80°	30,118	99.2%
0° – 90°	30,356	100.0%
90° – 180°	0	0.0%
0° – 180°	30,356	100.0%



07-LEDFHB265-5K-MVDIM-V2 (37,996 Lumens)

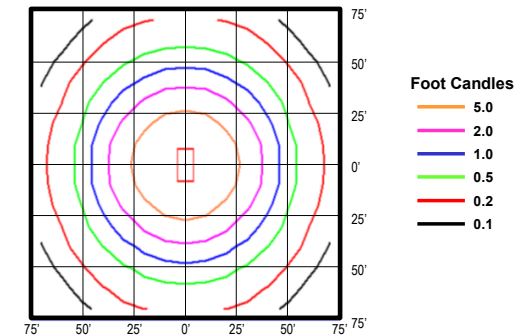
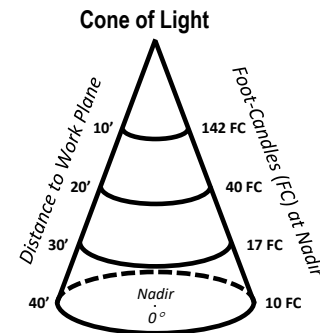


Candlepower Summary

	0°	90°
0°	13,040	13,040
10°	12,940	12,943
20°	12,450	12,545
30°	11,488	11,728
40°	10,159	10,193
50°	8,449	8,458
60°	6,305	5,687
70°	3,864	2,705
80°	1,376	592
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	1,234	3.2%
0° – 20°	4,813	12.7%
0° – 30°	10,349	27.2%
0° – 40°	17,160	45.2%
0° – 50°	24,351	64.1%
0° – 60°	30,907	81.3%
0° – 70°	35,544	93.5%
0° – 80°	37,692	99.2%
0° – 90°	37,991	100.0%
90° – 180°	5	0.0%
0° – 180°	37,996	100.0%

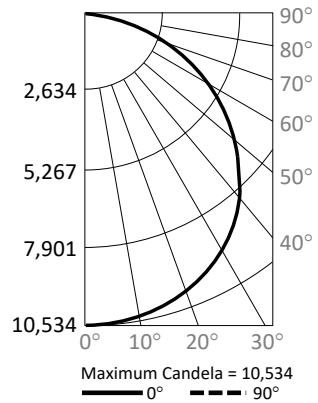


Notes:

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- Gridlines represent units of mounting height of 25 feet.

PHOTOMETRIC DATA

07-LEDFHB320-5K-MVDIM-V2 (44,460 Lumens)

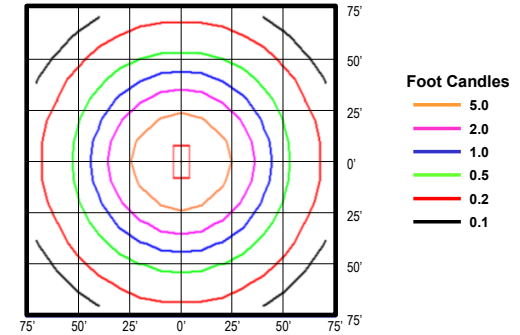
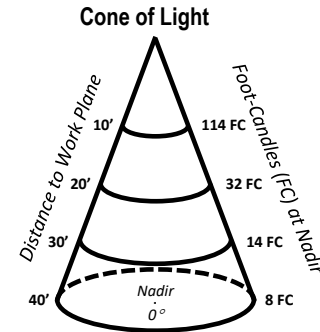


Candlepower Summary

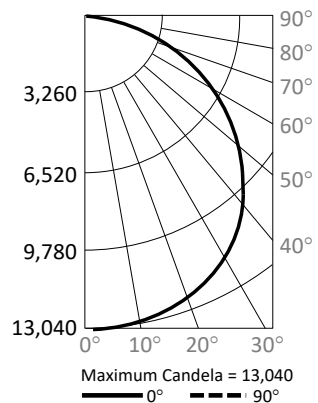
	0°	90°
0°	10,534	10,534
10°	10,446	10,436
20°	10,036	10,119
30°	9,191	9,493
40°	8,048	8,416
50°	6,605	7,015
60°	4,857	4,897
70°	2,885	2,838
80°	972	560
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	993	3.3%
0° – 20°	3,870	12.7%
0° – 30°	8,310	27.4%
0° – 40°	13,770	45.4%
0° – 50°	19,513	64.3%
0° – 60°	24,683	81.3%
0° – 70°	28,355	93.4%
0° – 80°	30,118	99.2%
0° – 90°	30,356	100.0%
90° – 180°	0	0.0%
0° – 180°	30,356	100.0%



07-LEDFHB425-5K-MVDIM-V2 (60,629 Lumens)

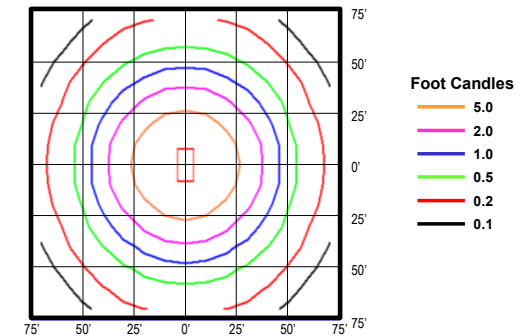
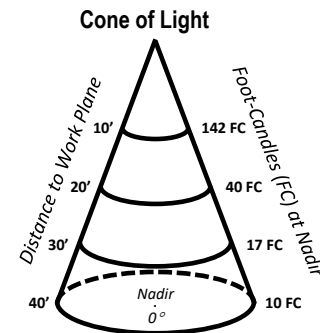


Candlepower Summary

	0°	90°
0°	13,040	13,040
10°	12,940	12,943
20°	12,450	12,545
30°	11,488	11,728
40°	10,159	10,193
50°	8,449	8,458
60°	6,305	5,687
70°	3,864	2,705
80°	1,376	592
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	1,234	3.2%
0° – 20°	4,813	12.7%
0° – 30°	10,349	27.2%
0° – 40°	17,160	45.2%
0° – 50°	24,351	64.1%
0° – 60°	30,907	81.3%
0° – 70°	35,544	93.5%
0° – 80°	37,692	99.2%
0° – 90°	37,991	100.0%
90° – 180°	5	0.0%
0° – 180°	37,996	100.0%



Notes:

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- Gridlines represent units of mounting height of 25 feet.

DIMENSIONS

