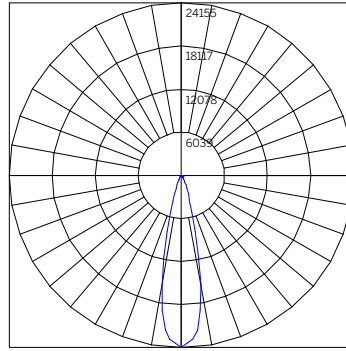


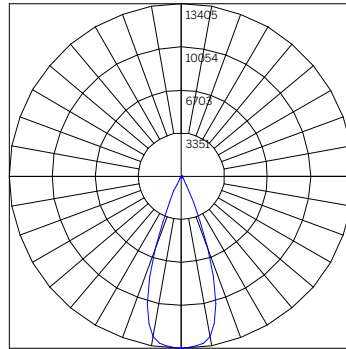
PER-SWH-F-...-ID-NFL...		
Delivered Lumens - Narrow Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	4246
	27-	4829
	30-	5030
	40-	5161



Beam Angle (0-180) = 23.6°
Beam Angle (90-270) = 23.4°

CONE OF LIGHT - 48W 3000K Narrow Flood PER-SWH-F-62-48-ID-30-NFL*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	60	8.4
18	75	7.5
16	94	6.7
14	123	5.8
12	168	5.0
10	242	4.2
8	377	3.3
6	671	2.5
4	1510	1.7
2	6039	0.8

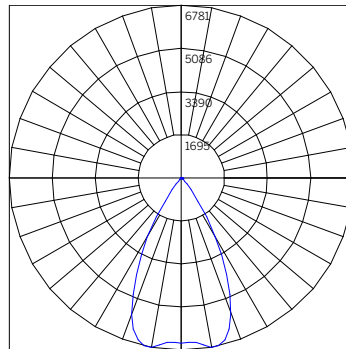
PER-SWH-F-...-ID-FL...		
Delivered Lumens - Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	4533
	27-	5156
	30-	5371
	40-	5510



Beam Angle (0-180) = 38.2°
Beam Angle (90-270) = 38.0°

CONE OF LIGHT - 48W 3000K Flood PER-SWH-F-62-48-ID-30-FL*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	34	13.9
18	41	12.5
16	52	11.1
14	68	9.7
12	93	8.3
10	134	6.9
8	209	5.5
6	372	4.2
4	838	2.8
2	3352	1.4

PER-SWH-F-...-ID-WFL...		
Delivered Lumens - Wide Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	4414
	27-	5021
	30-	5230
	40-	5366

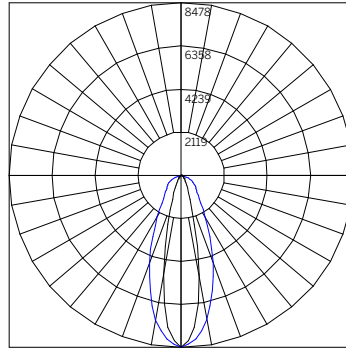


Beam Angle (0-180) = 55.2°
Beam Angle (90-270) = 55.8°

CONE OF LIGHT - 50W 3000K Wide Flood PER-SWH-F-62-48-ID-30-WFL*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	16	20.9
18	20	18.8
16	25	16.7
14	33	14.6
12	45	12.5
10	65	10.5
8	102	8.4
6	181	6.3
4	408	4.2
2	1632	2.1

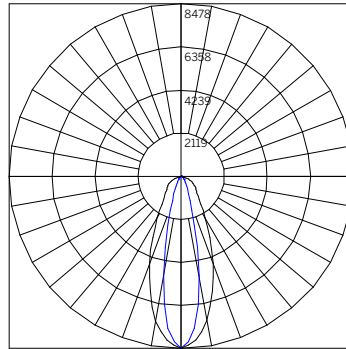
*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

PER-SWH-F-...-ID-VEFL...		
Delivered Lumens - Vertical Elliptical Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	3040
	27-	3458
	30-	3602
	40-	3695



Beam Angle (0-180) = 42.4°
Beam Angle (90-270) = 22.6°

PER-SWH-F-...-ID-HEFL...		
Delivered Lumens - Horizontal Elliptical Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	3040
	27-	3458
	30-	3602
	40-	3695



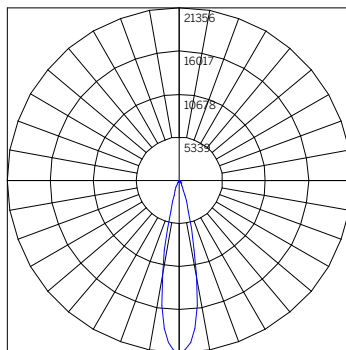
Beam Angle (0-180) = 22.6°
Beam Angle (90-270) = 42.4°

CONE OF LIGHT - 48W 3000K Vertical Elliptical Flood PER-SWH-F-62-48-ID-30-VEFL'			
Throw Distance [Ft]	Illuminance [fc at max cd]	0-180 Beam Diameter [Ft]	90-270 Beam Diameter [Ft]
20	21	15.5	8.0
18	26	14.0	7.2
16	33	12.4	6.4
14	43	10.9	5.6
12	59	9.3	4.8
10	85	7.8	4.0
8	132	6.2	3.2
6	236	4.7	2.4
4	530	3.1	1.6
2	2120	1.6	0.8

CONE OF LIGHT - 48W 3000K Horizontal Elliptical Flood PER-SWH-F-62-48-ID-30-HEFL'			
Throw Distance [Ft]	Illuminance [fc at max cd]	0-180 Beam Diameter [Ft]	90-270 Beam Diameter [Ft]
20	21	8.0	15.5
18	26	7.2	14.0
16	33	6.4	12.4
14	43	5.6	10.9
12	59	4.8	9.3
10	85	4.0	7.8
8	132	3.2	6.2
6	236	2.4	4.7
4	530	1.6	3.1
2	2120	0.8	1.6

*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

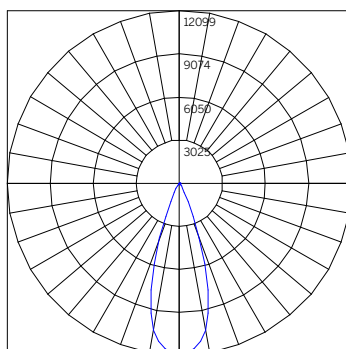
PER-SWH-FHC-....ID-NFL...		
Delivered Lumens - Narrow Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	3170
	27-	3606
	30-	3756
	40-	3854



Beam Angle (0-180) = 21.6°
Beam Angle (90-270) = 22.0°

CONE OF LIGHT - 48W 3000K Narrow Flood PER-SWH-FHC-62-48-ID-30-NFL*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	53	7.6
18	66	6.9
16	83	6.1
14	109	5.3
12	148	4.6
10	214	3.8
8	334	3.1
6	593	2.3
4	1335	1.5
2	5339	0.8

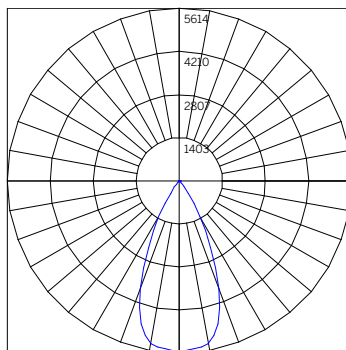
PER-SWH-FHC-....ID-FL...		
Delivered Lumens - Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	3365
	27-	3828
	30-	3987
	40-	4091



Beam Angle (0-180) = 34.6°
Beam Angle (90-270) = 33.8°

CONE OF LIGHT - 48W 3000K Flood PER-SWH-FHC-62-48-ID-30-FL*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	30	12.5
18	37	11.2
16	47	10.0
14	62	8.7
12	84	7.5
10	121	6.2
8	189	5.0
6	336	3.7
4	756	2.5
2	3025	1.2

PER-SWH-FHC-....ID-MWFL...		
Delivered Lumens - Medium Wide Flood		
		Size [Wattage]
		62 [48 ID]
CCT	22-	2893
	27-	3291
	30-	3428
	40-	3517

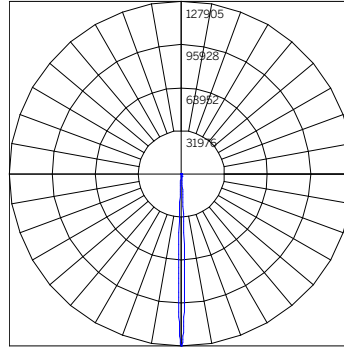


Beam Angle (0-180) = 46.8°
Beam Angle (90-270) = 47.4°

CONE OF LIGHT - 48W 3000K Medium Wide Flood PER-SWH-FHC-62-48-ID-30-MWFL*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	14	17.3
18	17	15.6
16	22	13.8
14	29	12.1
12	39	10.4
10	56	8.7
8	88	6.9
6	156	5.2
4	351	3.5
2	1404	1.7

*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

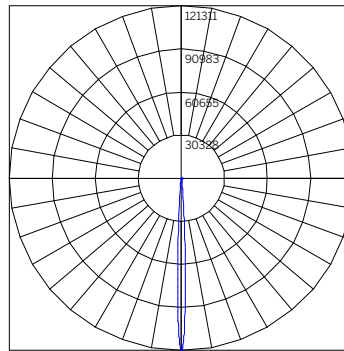
PER-SWH-N-...-ID-HSP...		
Delivered Lumens - Hyper Spot		
		Size [Wattage]
		62 [22 ID]
CCT	22-	945
	27-	1260
	30-	1350
	40-	1434



Beam Angle (0-180) = 3.6°
Beam Angle (90-270) = 3.8°

CONE OF LIGHT - 22W 3000K Hyper Spot PER-SWH-N-62-22-ID-30-HSP*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	320	1.3
18	395	1.1
16	500	1.0
14	653	0.9
12	888	0.8
10	1279	0.6
8	1999	0.5
6	3553	0.4
4	7994	0.3
2	31976	0.1

PER-SWH-N-...-ID-USP...		
Delivered Lumens - Ultra Spot		
		Size [Wattage]
		62 [38 ID]
CCT	22-	1526
	27-	2034
	30-	2180
	40-	2315



Beam Angle (0-180) = 5.0°
Beam Angle (90-270) = 5.0°

CONE OF LIGHT - 38W 3000K Ultra Spot PER-SWH-N-62-38-ID-30-USP*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	303	1.7
18	374	1.6
16	474	1.4
14	619	1.2
12	842	1.0
10	1213	0.9
8	1895	0.7
6	3370	0.5
4	7582	0.3
2	30328	0.2

*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.