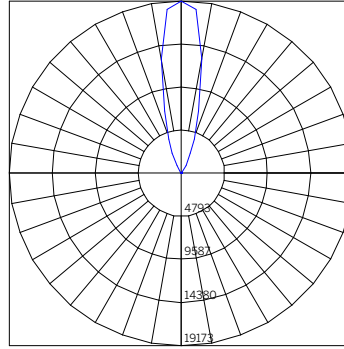


PER-SWH-F-...-NFL...

Delivered Lumens - Narrow Flood

Size [Wattage]		
64 [33 ID] 64 [50 ID]		
CCT	27-	30-
	3264	4929
	3491	4929
	3752	5668
Polar Plot / Cone Of Light Multiplier		
64 [33 ID] 64 [50 ID]		
0.71 1.00		



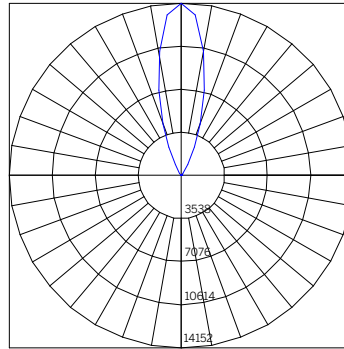
CONE OF LIGHT - 50W 3000K Narrow Flood PER-SWH-F-64-50-ID-30-NFL'

Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	48	9.2
18	59	8.2
16	75	7.3
14	98	6.4
12	133	5.5
10	192	4.6
8	300	3.7
6	533	2.7
4	1198	1.8
2	4794	0.9

PER-SWH-F-...-FL...

Delivered Lumens - Flood

Size [Wattage]		
64 [33 ID] 64 [50 ID]		
CCT	27-	30-
	3273	4539
	3502	4539
	3763	5219
Polar Plot / Cone Of Light Multiplier		
64 [33 ID] 64 [50 ID]		
0.77 1.00		



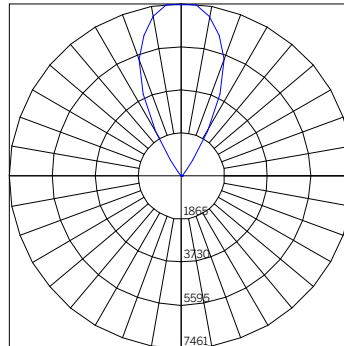
CONE OF LIGHT - 50W 3000K Flood PER-SWH-F-64-50-ID-30-FL'

Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	35	10.9
18	44	9.8
16	55	8.8
14	72	7.7
12	98	6.6
10	142	5.5
8	221	4.4
6	393	3.3
4	885	2.2
2	3538	1.1

PER-SWH-F-...-WFL...

Delivered Lumens - Wide Flood

Size [Wattage]		
64 [33 ID] 64 [50 ID]		
CCT	27-	30-
	3161	4949
	3382	4949
	3634	5690
Polar Plot / Cone Of Light Multiplier		
64 [33 ID] 64 [50 ID]		
0.68 1.00		



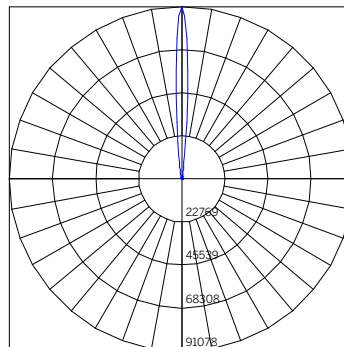
CONE OF LIGHT - 50W 3000K Wide Flood PER-SWH-F-64-50-ID-30-WFL'

Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	19	19.1
18	23	17.2
16	29	15.3
14	38	13.4
12	52	11.4
10	74	9.5
8	116	7.6
6	206	5.7
4	464	3.8
2	1855	1.9

PER-SWH-N-...-NSP...

Delivered Lumens - Wide Flood

Size [Wattage]		
64 [50 ID]		
CCT	27-	30-
	3076	3076
	3076	3321
Polar Plot / Cone Of Light Multiplier		
64 [50 ID]		
1.00		



CONE OF LIGHT - 50W 3000K Narrow Spot PER-SWH-N-64-50-ID-30-NSP'

Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	228	2.6
18	281	2.3
16	356	2.1
14	465	1.8
12	632	1.6
10	911	1.3
8	1423	1.0
6	2530	0.8
4	5692	0.5
2	22770	0.3

*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.