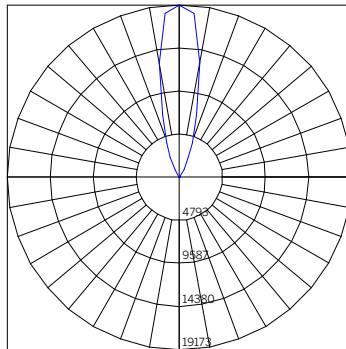


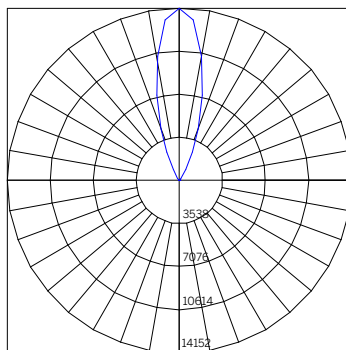
PER-SWH-F-...-SP...		
Delivered Lumens - Spot		
		Size [Wattage]
		18 [6 CC]
CCT	27-	485
	30-	485
	40-	524
		Polar Plot / Cone Of Light Multiplier
		18 [6 CC]
		0.10



Beam Angle (0-180) = 25.8
Beam Angle (90-270) = 25.6

CONE OF LIGHT - 50W 3000K Spot PER-SWH-F-64-50-ID-30-SP*		
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

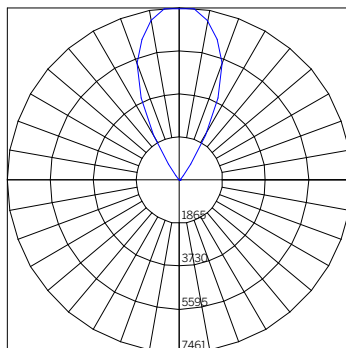
PER-SWH-F-...-FL...		
Delivered Lumens - Flood		
		Size [Wattage]
		18 [6 CC]
CCT	27-	397
	30-	397
	40-	428
		Polar Plot / Cone Of Light Multiplier
		18 [6 CC]
		0.09



Beam Angle (0-180) = 30.6
Beam Angle (90-270) = 30.2

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

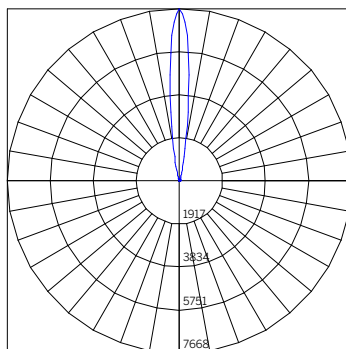
PER-SWH-F-...-WFL...		
Delivered Lumens - Wide Flood		
		Size [Wattage]
		18 [6 CC]
CCT	27-	454
	30-	454
	40-	490
		Polar Plot / Cone Of Light Multiplier
		18 [6 CC]
		0.09



Beam Angle (0-180) = 51.0
Beam Angle (90-270) = 51.2

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-NS-...-NSP...		
Delivered Lumens - Wide Flood		
		Size [Wattage]
		18 [6 CC]
CCT	27-	488
	30-	488
	40-	525
		Polar Plot / Cone Of Light Multiplier
		18 [6 CC]
		1.0



Beam Angle (0-180) = 11.0
Beam Angle (90-270) = 11.8

CONE OF LIGHT - 6W 3000K Narrow Spot PER-SWH-NS-18-6-CC-30-NSP*		
Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]
20	19	3.9
18	24	3.5
16	30	3.1
14	39	2.7
12	53	2.3
10	77	1.9
8	120	1.5
6	213	1.2
4	479	0.8
2	1917	0.4

*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.