

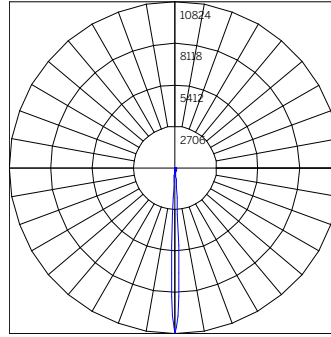
Vos Fixed Optics

ROUND FIXED

VOS-RWH-F-...-USP...

Delivered Lumens - Ultra Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	120	-	-	-
	92-30-	129	-	-	-
	92-35-	129	-	-	-
	92-40-	137	-	-	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		1.00	-	-	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		6.8	-	-	-



Beam Angle (0-180) = 4.8°
Beam Angle (90-270) = 4.6°

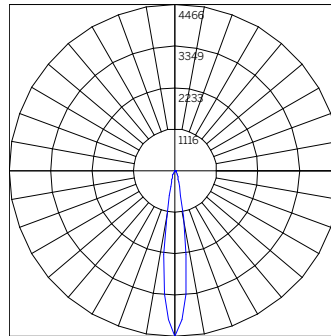
CONE OF LIGHT - 2W 3000K Ultra Spot VOS-RWH-F-17-2-CC-80-30-USP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	2706	0.2
4	677	0.3
6	301	0.5
8	169	0.7
10	108	0.8
12	75	1.0
14	55	1.2
16	42	1.3
18	33	1.5
20	27	1.7

VOS-RWH-F-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	343	456	-
	92-30-	-	356	488	-
	92-35-	-	356	488	-
	92-40-	-	385	528	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.73	1.00	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	14.9	16.9	-



Beam Angle (0-180) = 15.2°
Beam Angle (90-270) = 14.6°

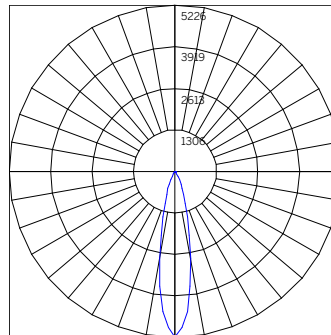
CONE OF LIGHT - 8W 3000K Spot VOS-RWH-F-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1117	0.5
4	279	1.1
6	124	1.6
8	70	2.1
10	45	2.7
12	31	3.2
14	23	3.7
16	17	4.3
18	14	4.8
20	11	5.3

VOS-RWH-F-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	253	-	972
	92-30-	-	263	-	1039
	92-35-	-	263	-	1039
	92-40-	-	285	-	1116
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.25	-	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	14.5	-	10.8



Beam Angle (0-180) = 21.2°
Beam Angle (90-270) = 21.2°

CONE OF LIGHT - 15W 3000K Narrow Flood VOS-RWH-F-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1307	0.7
4	327	1.5
6	145	2.2
8	82	3.0
10	52	3.7
12	36	4.5
14	27	5.2
16	20	6.0
18	16	6.7
20	13	7.5

*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.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.

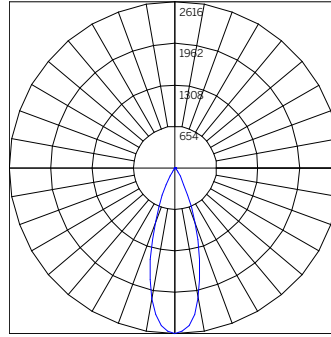
Vos Fixed Optics

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VOS-RWH-F-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	371	846
	92-30-	-	-	398	905
	92-35-	-	-	398	905
	92-40-	-	-	428	984
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.44	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.6	11.3



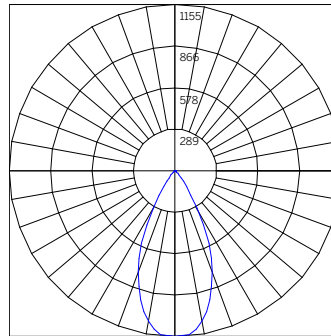
CONE OF LIGHT - 15W 3000K Flood VOS-RWH-F-41-15-CC-92-30-FL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	654	1.2
4	164	2.4
6	73	3.6
8	41	4.7
10	26	5.9
12	18	7.1
14	13	8.3
16	10	9.5
18	8	10.7
20	7	11.8

VOS-RWH-F-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	277	-	688
	92-30-	-	289	-	735
	92-35-	-	289	-	735
	92-40-	-	311	-	791
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.39	-	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	21.5	-	17.8



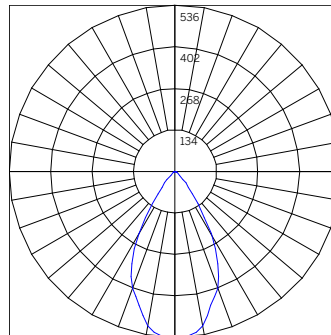
CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-RWH-F-41-15-CC-92-30-MWFL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	289	1.8
4	72	3.6
6	32	5.5
8	18	7.3
10	12	9.1
12	8	10.9
14	6	12.8
16	5	14.6
18	4	16.4
20	3	18.2

VOS-RWH-F-...-WFL...

Delivered Lumens - Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	409	-
	92-30-	-	-	438	-
	92-35-	-	-	438	-
	92-40-	-	-	474	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	1.00	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	22.5	-



CONE OF LIGHT - 8W 3000K Wide Flood VOS-RWH-F-28-8-CC-92-30-WFL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	134	2.1
4	34	4.3
6	15	6.4
8	8	8.6
10	5	10.7
12	4	12.9
14	3	15.0
16	2	17.2
18	2	19.3
20	1	21.4

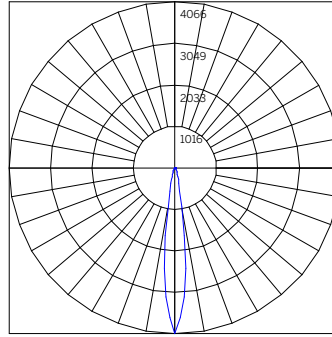
*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.

VOS-RWH-FHC-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	250	359	-
	92-30-	-	259	385	-
	92-35-	-	259	385	-
	92-40-	-	281	417	-
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
			0.67	1.00	-
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	8.2	10.3	-



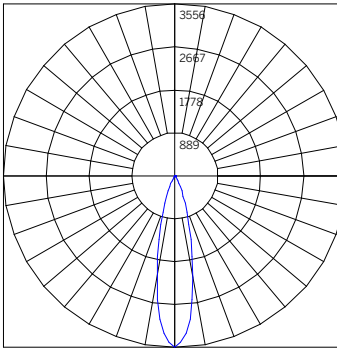
CONE OF LIGHT - 8W 3000K Spot VOS-RWH-FHC-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1017	0.5
4	254	1.0
6	113	1.5
8	64	2.0
10	41	2.5
12	28	3.0
14	21	3.5
16	16	4.0
18	13	4.5
20	10	5.0

VOS-RWH-FHC-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	180	263	718
	92-30-	-	187	283	767
	92-35-	-	187	283	767
	92-40-	-	203	304	826
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
			0.24	0.37	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	10.9	14.7	9.9



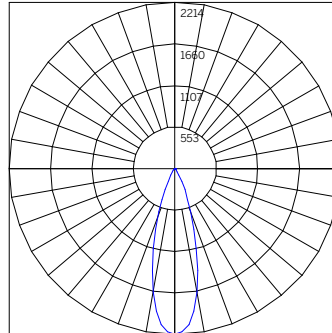
CONE OF LIGHT - 15W 3000K Narrow Flood VOS-RWH-FHC-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	889	0.8
4	222	1.7
6	99	2.5
8	56	3.3
10	36	4.1
12	25	5.0
14	18	5.8
16	14	6.6
18	11	7.5
20	9	8.3

VOS-RWH-FHC-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	164	-	618
	92-30-	-	171	-	661
	92-35-	-	171	-	661
	92-40-	-	185	-	711
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.26	-	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	15.0	-	9.3



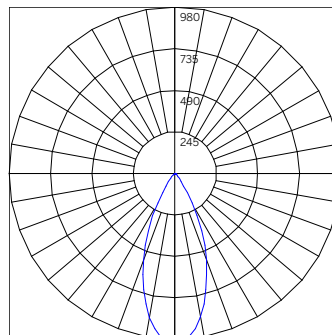
CONE OF LIGHT - 15W 3000K Flood VOS-RWH-FHC-41-15-CC-92-30-FL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	554	1.1
4	138	2.1
6	62	3.2
8	35	4.3
10	22	5.4
12	15	6.4
14	11	7.5
16	9	8.6
18	7	9.6
20	6	10.7

VOS-RWH-FHC-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	261	490
	92-30-	-	-	280	523
	92-35-	-	-	280	523
	92-40-	-	-	303	563
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.54	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.3	15.9



CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-RWH-FHC-41-15-CC-92-30-MWFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	448	1.3
4	112	2.7
6	50	4
8	28	5.3
10	18	6.7
12	12	8
14	9	9.3
16	7	10.6
18	6	12
20	4	13.3

*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.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.

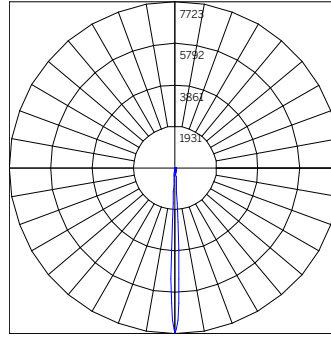
Vos Fixed Optics

SQUARE FIXED

VOS-SWH-F-...-USP...

Delivered Lumens - Ultra Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	97	-	-	-
	92-30-	104	-	-	-
	92-35-	104	-	-	-
	92-40-	111	-	-	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		1.00	-	-	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		6.1	-	-	-



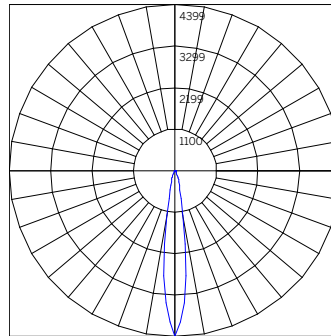
CONE OF LIGHT - 2W 3000K Ultra Spot VOS-SWH-F-17-2-CC-80-30-USP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1931	0.2
4	483	0.3
6	215	0.5
8	121	0.7
10	77	0.8
12	54	1.0
14	39	1.2
16	30	1.3
18	24	1.5
20	19	1.7

VOS-SWH-F-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	337	460	-
	92-30-	-	351	493	-
	92-35-	-	351	493	-
	92-40-	-	380	531	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.71	1.00	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	11.7	11.9	-



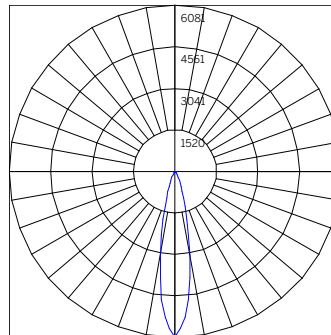
CONE OF LIGHT - 8W 3000K Spot VOS-SWH-F-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1100	0.5
4	275	1.0
6	122	1.6
8	69	2.1
10	44	2.6
12	31	3.1
14	22	3.6
16	17	4.2
18	14	4.7
20	11	5.2

VOS-SWH-F-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	238	-	1055
	92-30-	-	247	-	1128
	92-35-	-	247	-	1128
	92-40-	-	268	-	1215
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.22	-	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	14.2	-	10.2



CONE OF LIGHT - 15W 3000K Narrow Flood VOS-SWH-F-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1521	0.7
4	380	1.4
6	169	2.2
8	95	2.9
10	61	3.6
12	42	4.3
14	31	5.0
16	24	5.8
18	19	6.5
20	15	7.2

*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.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.

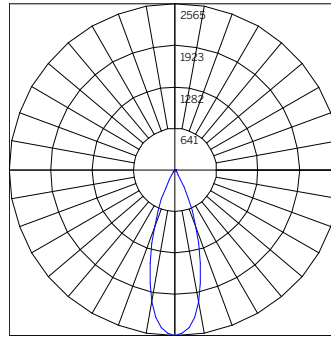
Vos Fixed Optics

SQUARE FIXED

VOS-RWH-F-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	369	868
	92-30-	-	-	396	929
	92-35-	-	-	396	929
	92-40-	-	-	427	999
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.43	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.3	12.0



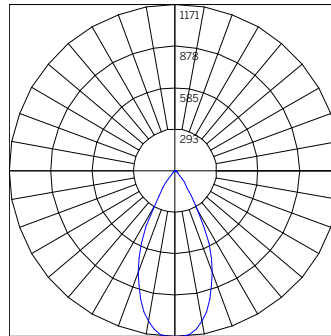
CONE OF LIGHT - 15W 3000K Flood VOS-SWH-F-41-15-CC-92-30-FL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	641	1.2
4	160	2.4
6	71	3.6
8	40	4.8
10	26	6.0
12	18	7.2
14	13	8.4
16	10	9.6
18	8	10.8
20	6	12.0

VOS-RWH-F-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	264	-	718
	92-30-	-	275	-	768
	92-35-	-	275	-	768
	92-40-	-	297	-	827
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.36	-	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	21.2	-	18.1



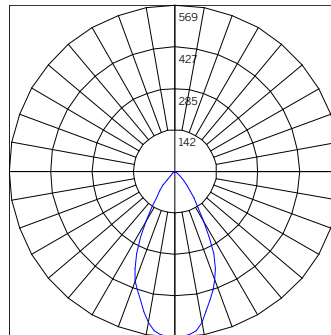
CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-SWH-F-41-15-CC-92-30-MWFL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	293	1.8
4	73	3.6
6	33	5.4
8	18	7.3
10	12	9.1
12	8	10.9
14	6	12.7
16	5	14.5
18	4	16.3
20	3	18.1

VOS-RWH-F-...-WFL...

Delivered Lumens - Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	412	-
	92-30-	-	-	438	-
	92-35-	-	-	438	-
	92-40-	-	-	477	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	1.00	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	21.3	-



CONE OF LIGHT - 15W 3000K Narrow Spot VOS-SWH-F-28-8-CC-92-30-WFL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	143	2.0
4	36	3.9
6	16	5.9
8	9	7.9
10	6	9.8
12	4	11.8
14	3	13.8
16	2	15.7
18	2	17.7
20	1	19.7

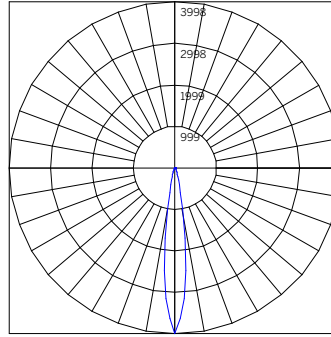
*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.

VOS-SWH-FHC-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	255	359	-
	92-30-	-	265	384	-
	92-35-	-	265	384	-
	92-40-	-	287	414	-
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.67	1.00	-
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	9.7	10.2	-



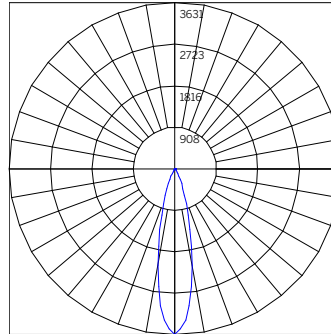
CONE OF LIGHT - 8W 3000K Spot VOS-SWH-FHC-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1000	0.5
4	250	1.0
6	111	1.5
8	62	2.0
10	40	2.5
12	28	3.0
14	20	3.5
16	16	4.0
18	12	4.5
20	10	5.1

VOS-SWH-FHC-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	177	265	741
	92-30-	-	184	283	792
	92-35-	-	184	283	792
	92-40-	-	200	307	850
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.23	0.36	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	10.9	14.2	10.3



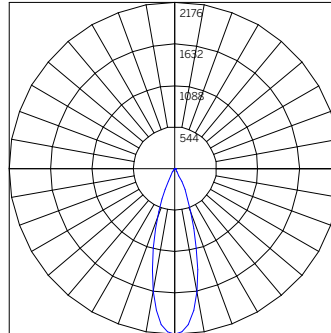
CONE OF LIGHT - 15W 3000K Narrow Flood VOS-SWH-FHC-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	908	0.8
4	227	1.6
6	101	2.5
8	57	3.3
10	36	4.1
12	25	4.9
14	19	5.7
16	14	6.6
18	11	7.4
20	9	8.2

VOS-SWH-FHC-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	157	-	614
	92-30-	-	164	-	656
	92-35-	-	164	-	656
	92-40-	-	177	-	705
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.25	-	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	13.6	-	9.5



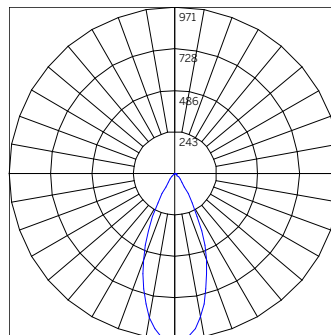
CONE OF LIGHT - 15W 3000K Flood VOS-SWH-FHC-41-15-CC-92-30-FL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	554	1.1
4	138	2.1
6	62	3.2
8	35	4.3
10	22	5.4
12	15	6.4
14	11	7.5
16	9	8.6
18	7	9.6
20	6	10.7

VOS-SWH-FHC-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	262	495
	92-30-	-	-	281	529
	92-35-	-	-	281	529
	92-40-	-	-	303	569
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.53	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.5	15.9



CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-SWH-FHC-41-15-CC-92-30-MWFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	448	1.3
4	112	2.7
6	50	4
8	28	5.3
10	18	6.7
12	12	8
14	9	9.3
16	7	10.6
18	6	12
20	4	13.3

*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.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.