Photometric Data: VL3500 Wash Luminaire

Internal Lens			Front Lens – Clear		Front Lens – Stippled		Front Lens – Fresnel	
	Vari-Brite	open	9.5º, 40 ft	59900 lm 4140 fc 44560 lux ø = 6.5 ft TN: .166	13º, 40 ft	54400 lm 2040 fc 21930 lux ø = 9 ft TN: .228	13º, 40 ft	44800 lm 1640 fc 17630 lux ø = 9 ft TN: .228
	Buxom	narrow	29º, 40 ft	41810 lm 325 fc 3500 lux ø = 21 ft TN: .517	29º, 40 ft	39300 lm 288 fc 3100 lux ø = 21 ft TN: .517	33º, 40 ft	30500 lm 171 fc 1840 lux ø = 24 ft TN: .592
		mid	42º, 40 ft	49900 lm 155 fc 1660 lux ø = 31 ft TN: .768	43º, 40 ft	47500 lm 142 fc 1530 lux ø = 32 ft TN: .788	45º, 40 ft	38400 lm 105 fc 1130 lux ø = 33 ft TN: .828
		wide	52º, 40 ft	50000 lm 121 fc 1300 lux ø = 39 ft TN: .975	53º, 40 ft	47900 lm 97 fc 1040 lux ø = 40 ft TN: .997	54º, 40 ft	42700 lm 78 fc 840 lux ø = 41 ft TN: 1.02
	Fresnel	narrow	22º, 40 ft	52200 lm 803 fc 8630 lux ø = 16 ft TN: .388	24º, 40 ft	49900 lm 608 fc 6540 lux ø = 17 ft TN: .425	23º, 40 ft	48000 lm 563 fc 6060 lux ø = 16 ft TN: .407
		mid	35º, 40 ft	41100 lm 310 fc 3330 lux ø = 25 ft TN: .631	37º, 40 ft	40800 lm 245 fc 2640 lux ø = 27 ft TN: .669	37º, 40 ft	40500 lm 216 fc 2320 lux ø = 27 ft TN: .669
		wide	35º, 40 ft	23200 lm 212 fc 2280 lux ø = 25 ft TN: .631	41º, 40 ft	26100 lm 182 fc 1960 lux ø = 30 ft TN: .748	44º, 40 ft	26500 lm 124 fc 1340 lux ø = 32 ft TN: .808

Notes:

1. All measurements were taken using Osram SharXS® HTI® 1500 W/D7/60 lamps.
2. Light output values are nominal and based on the average output of a sample of production luminaires.
3. The illuminance (I) values listed in foot candles (fc) and lux are measurements taken at the center of the beam.
4. Vari-Brite mode was set to DMX value 255, which opens (splits) the internal lens for maximum light output.
5. Internal-lens Zoom settings: narrow (rear position - DMX = 0), mid (mid position - DMX = 127), wide (front position - DMX = 255).
6. TN values: For the field angles listed in the table, the coverage diameter (ø) = TN x D (throw distance). For example, a Clear front lens and a Buxom internal lens at the narrow Zoom setting produces a beam with an field angle of ~29º, which provides ø = 21 ft at D = 40 ft. For other distances (D) at this Zoom setting, multiply the TN for 29º x D. For example, at 50 ft, ø = .517 x 50 = 26 ft. Conversely, to get ø = 30 ft with the 29º angle, D = ø/TN = 30/.517 = 58 ft. You can use the TN values for the other field angles in the same way.
7. Graphic illustrations in this table are representations only. Do not scale.