

# TECNOWATT

## I L U M I N A Ç Ã O

### IES ROAD REPORT

PHOTOMETRIC FILENAME : NATLX\_GTF\_2MR\_DL163W800I\_\_64LED\_ISTANIUM.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995  
[TEST]NATLX\_GTF\_2MR\_DL163W800I\_\_64LED\_ISTANIUM  
[DATA]25/07/2016  
[MANUFACT]TECNOWATT  
[LUMCAT]  
[LUMINAIRE]NATLX\_GTF\_2MR\_DL163W8000IA22S1-10C1GY9007  
[LAMP]64 LEDS  
[LAMPCAT]  
[INPUT VALUE]220VAC 0.760A 163W FP0.96  
[Responsavel]RUBENS  
[Fluxo de Calculo]17667

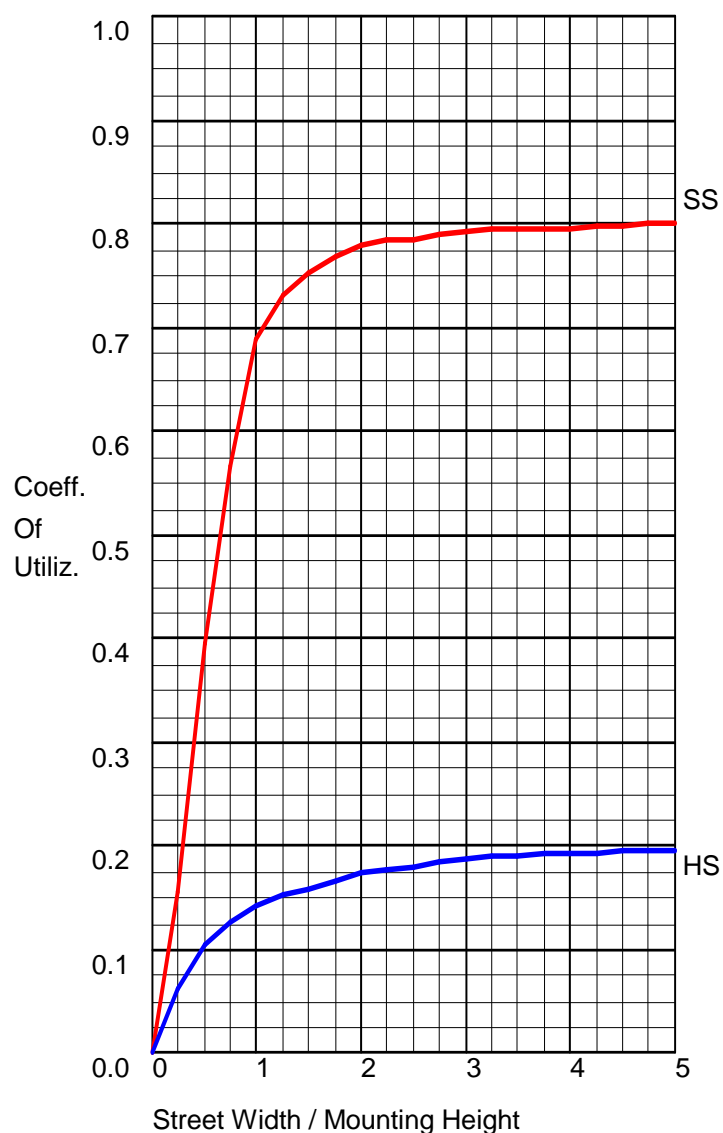
### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	17669 (1 lamp)
Total Lamp Lumens	17669
Luminaire Lumens	17669
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	161.2
Ballast Factor	1.00
Maximum Candela	19125
Maximum Candela Angle	75H 70V
Maximum Candela (<90 Degrees Vertical)	19125
Maximum Candela Angle (<90 Degrees Vertical)	75H 70V
Maximum Candela At 90 Degrees Vertical	22.5 (0.1% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1295 (7.3% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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### COEFFICIENTS OF UTILIZATION



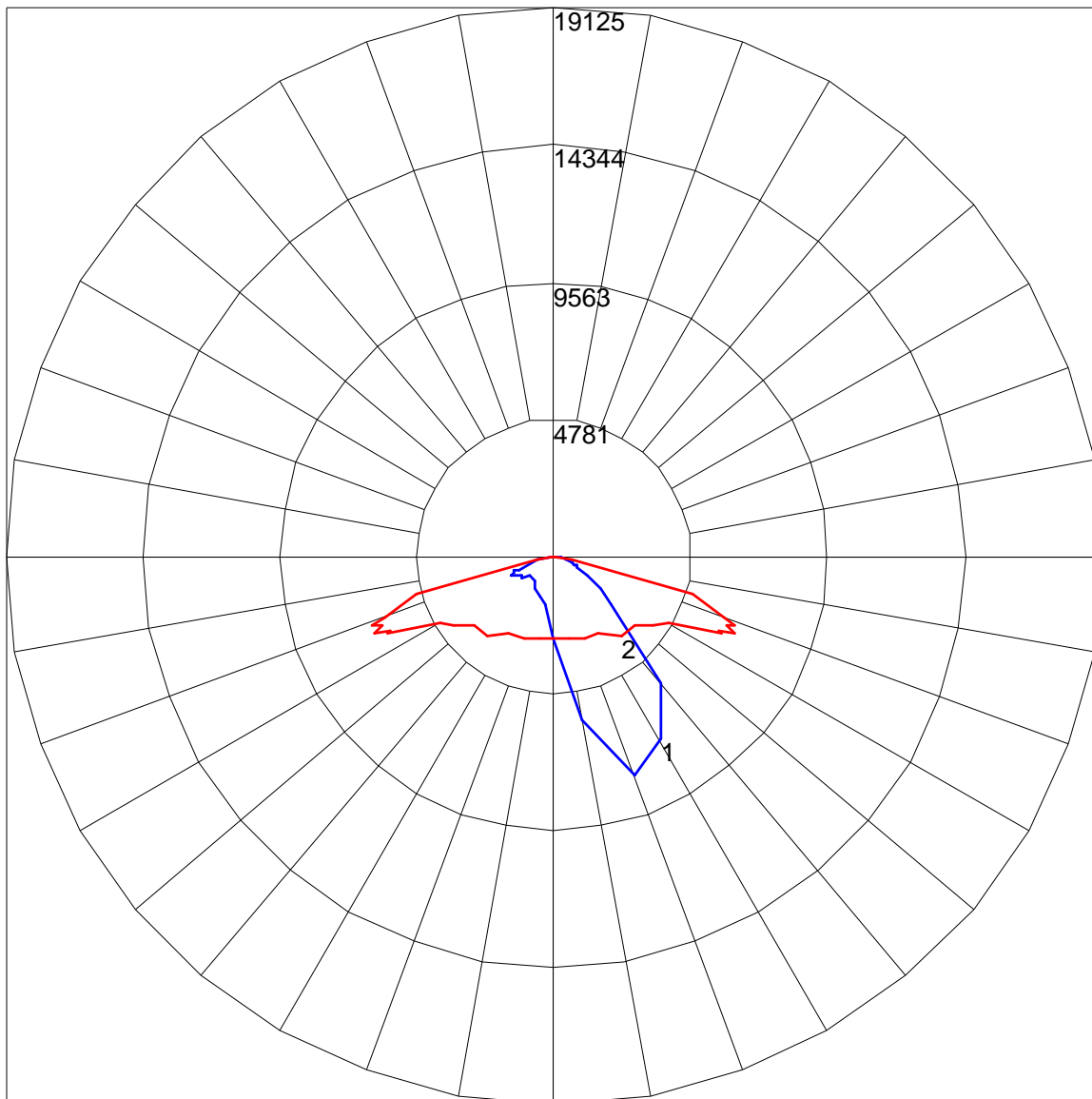
### FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	14184.6	80.3
Downward House Side	3484.0	19.7
Downward Total	17668.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	17668.6	100.0

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## POLAR GRAPH



Maximum Candela = 19125 Located At Horizontal Angle = 75, Vertical Angle = 70

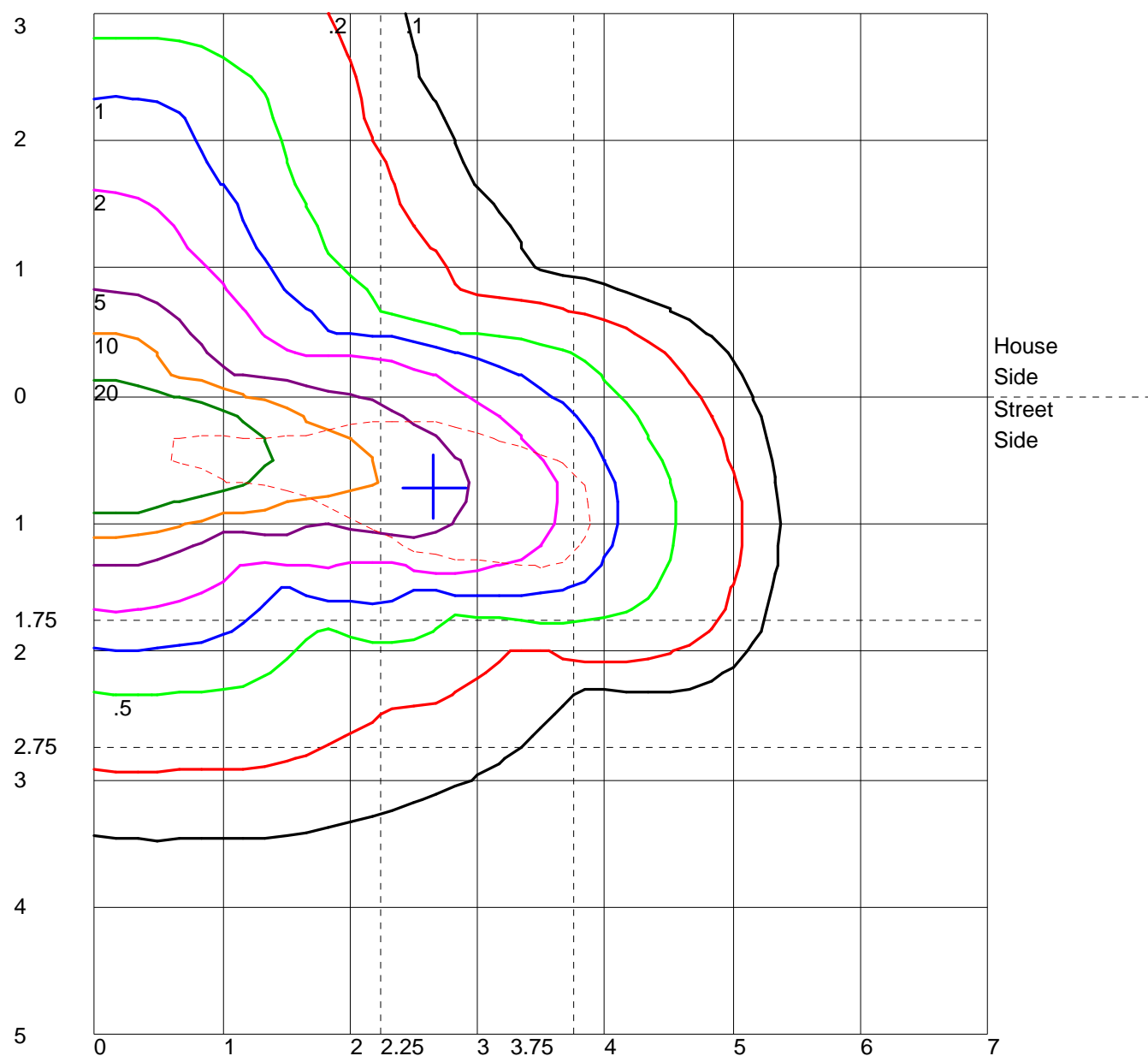
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
Values Based On 10 Foot Mounting Height  
1/2 Maximum Candela Trace Shown As Dashed Curve  
(+) = Maximum Candela Point