

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : LUNA-12-L427.IES

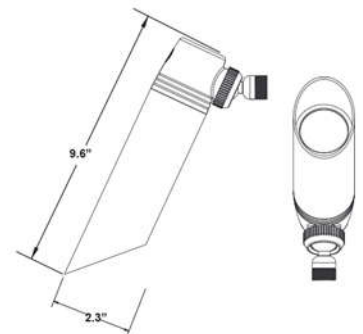
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3303  
[TESTLAB] Labsphere  
[ISSUEDATE] 7/31/2019 12:36:02 PM  
[MANUFAC] TORO  
[LUMINAIRE] LUNA-12-L427  
[LAMP] LED-4W-CM6WF27K  
[POWERFACTOR] 0.5714  
[ATHD] 0.00%  
[CURRENT] 0.54  
[VOLTAGE] 12.03  
[Lumens] 79.42  
[END VOLTS] 12.02  
[END CURRENT] 0.51  
[END POWER] 3.58

Note: Candela values converted from Type-C to Type-B

### CHARACTERISTICS

NEMA Type	2 H x 3 V
Maximum Candela	731.35
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	18.7
Vertical Beam Angle (50%)	19.8
Horizontal Field Angle (10%)	28.7
Vertical Field Angle (10%)	29.3
Lumens Per Lamp	300 (1 lamp)
Total Lamp Lumens	300
Beam Lumens	45
Beam Efficiency	15 %
Field Lumens	71
Field Efficiency	24 %
Spill Lumens	8
Luminaire Lumens	79
Total Efficiency	26 %
Total Luminaire Watts	3.73
Ballast Factor	1.00

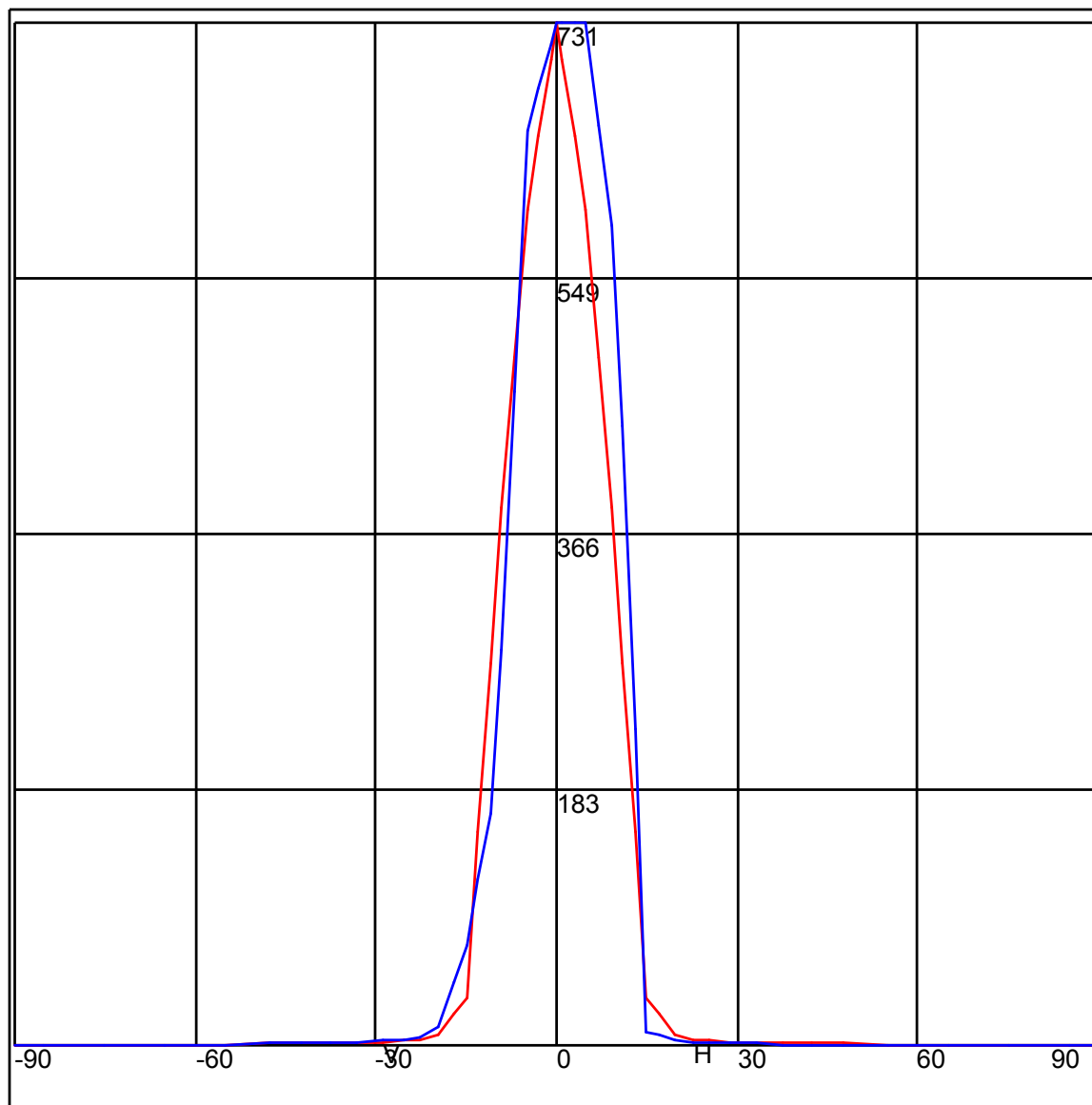


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**AXIAL CANDELA**

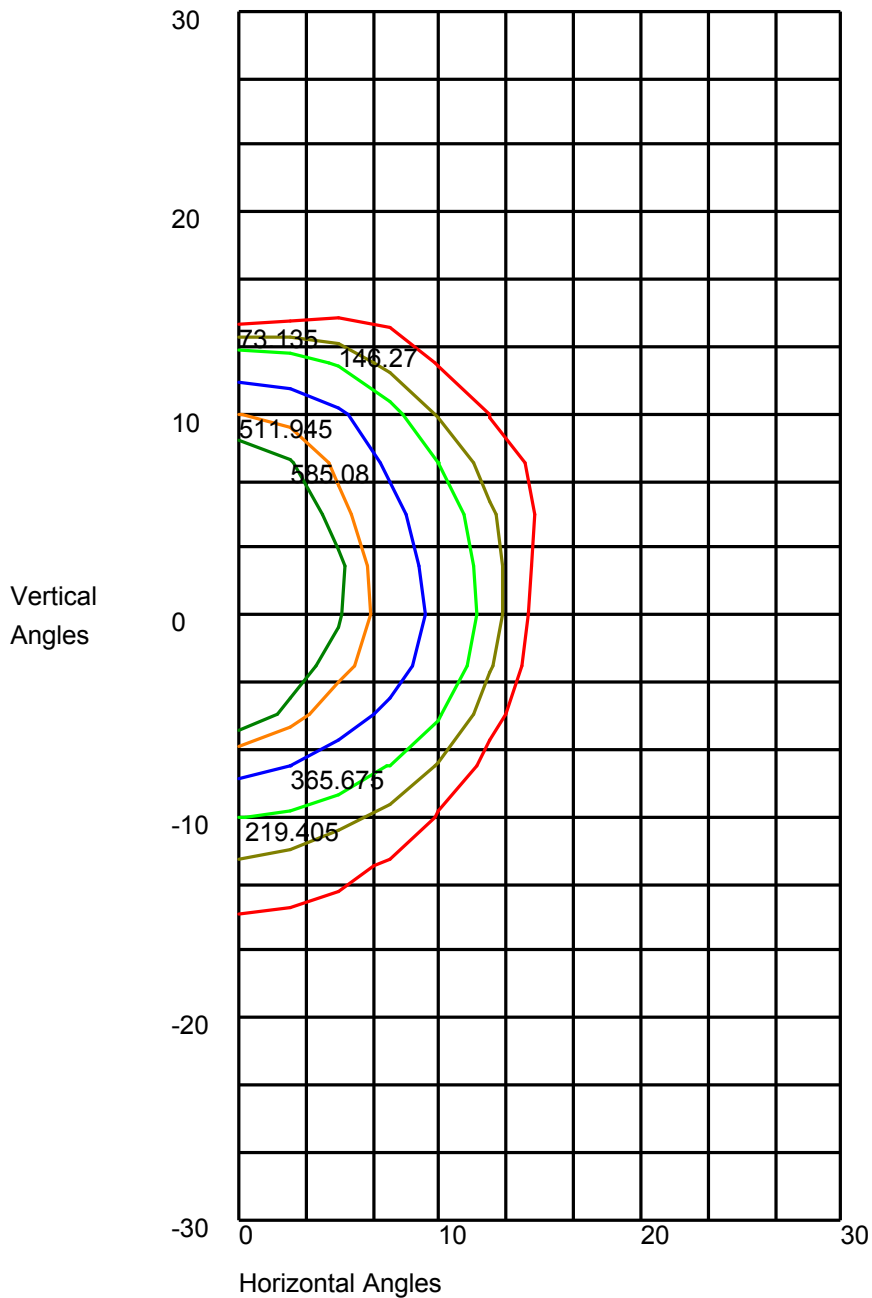
DEG.	HOR.	DEG.	VERT.
90	.33	90	.28
85	.25	85	.29
75	.26	75	.2
65	.32	65	.27
55	.44	55	.23
47.5	.54	47.5	.3
42.5	.64	42.5	.31
37.5	.9	37.5	.36
33	1.38	33	.66
29	2.06	29	1.2
25.5	2.83	25.5	1.8
22.5	3.89	22.5	2.26
19.5	7.74	19.5	3.3
17	22.26	17	6.68
15	33.88	15	9.38
13	152.97	13	225.41
11	272.06	11	441.44
9	384.49	9	585.56
7	490.26	7	657.77
5	596.03	5	729.98
3	650.16	3	730.53
1	704.29	1	731.08
0	731.35	0	731.35
-1	704.29	-1	715.63
-3	650.16	-3	684.2
-5	596.03	-5	652.76
-7	490.26	-7	467.29
-9	384.49	-9	281.82
-11	272.06	-11	165.39
-13	152.97	-13	118
-15	33.88	-15	70.61
-17	22.26	-17	44.88
-19.5	7.74	-19.5	12.71
-22.5	3.89	-22.5	5.24
-25.5	2.83	-25.5	4.03
-29	2.06	-29	2.94
-33	1.38	-33	2.02
-37.5	.9	-37.5	1.48
-42.5	.64	-42.5	1.06
-47.5	.54	-47.5	.69
-55	.44	-55	.4
-65	.32	-65	.29
-75	.26	-75	.26
-85	.25	-85	.35
-90	.33	-90	.28

AXIAL CANDELA DISPLAY



Maximum Candela = 731.35 Located At Horizontal Angle = 0, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 731.35 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 365.675  
10% Maximum Candela = 73.135