

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : QUA1-12-L827.IES

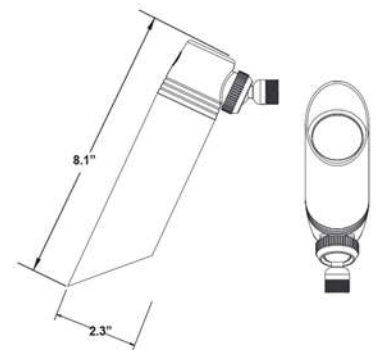
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3311  
[TESTLAB] Labsphere  
[ISSUE DATE] 8/6/2019 8:16:33 AM  
[MANUFAC] TORO  
[LUMINAIRE] QUA1-12-L827  
[LAMP] LED-8W-CM6FL27K  
[POWERFACTOR] 0.9205  
[ATHD] 0.00%  
[CURRENT] 0.70  
[VOLTAGE] 12.03  
[Lumens] 279.74  
[END VOLTS] 12.05  
[END CURRENT] 0.64  
[END POWER] 7.06

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

### CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	5107.04
Maximum Candela Angle	0H 5V
Horizontal Beam Angle (50%)	21.7
Vertical Beam Angle (50%)	27.0
Horizontal Field Angle (10%)	34.6
Vertical Field Angle (10%)	42.1
Lumens Per Lamp	590 (1 lamp)
Total Lamp Lumens	590
Beam Lumens	495
Beam Efficiency	84 %
Field Lumens	775
Field Efficiency	131 %
Spill Lumens	54
Luminaire Lumens	829
Total Efficiency	141 %
Total Luminaire Watts	7.77
Ballast Factor	1.00

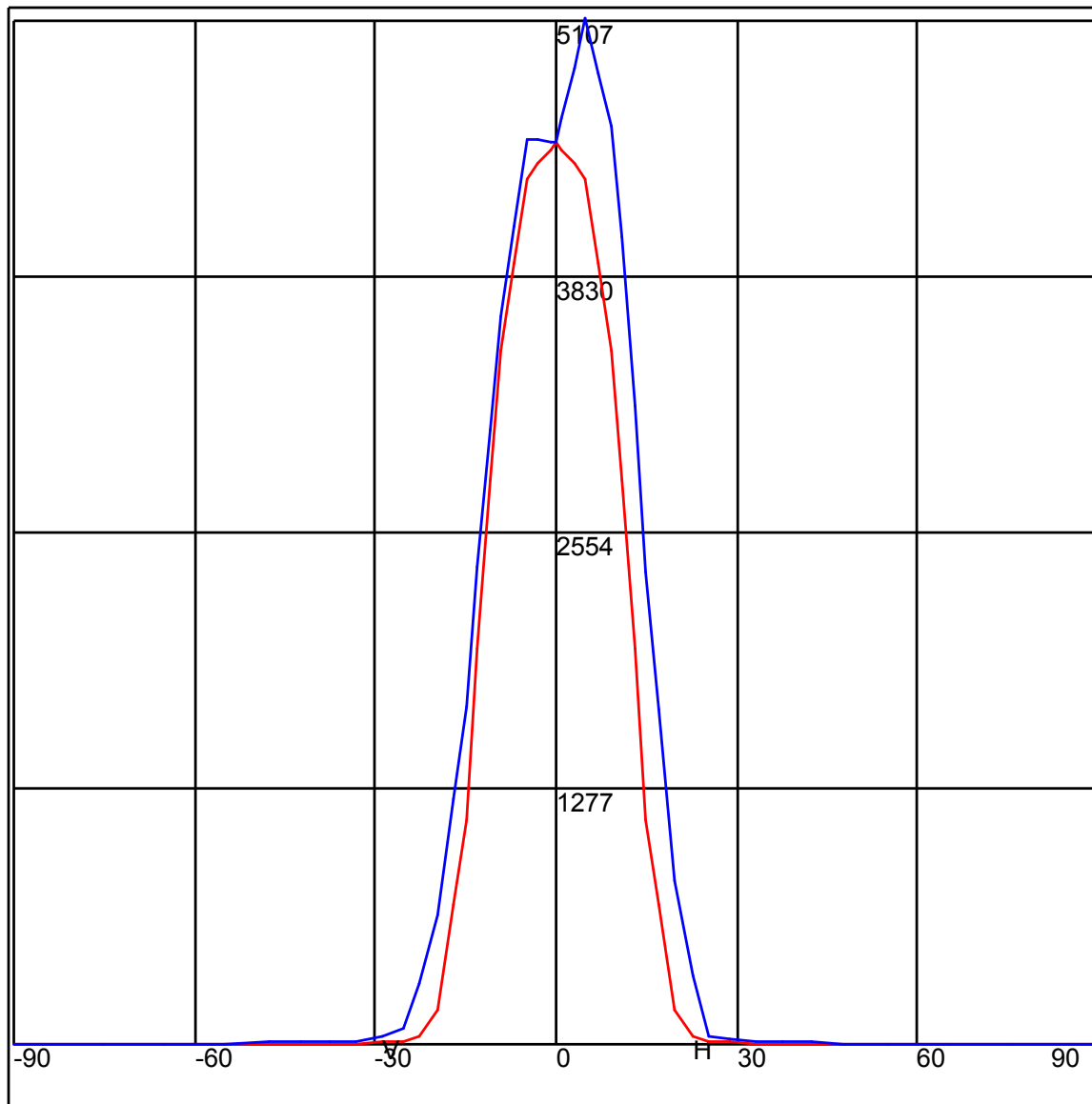


**IES FLOOD REPORT**  
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**AXIAL CANDELA**

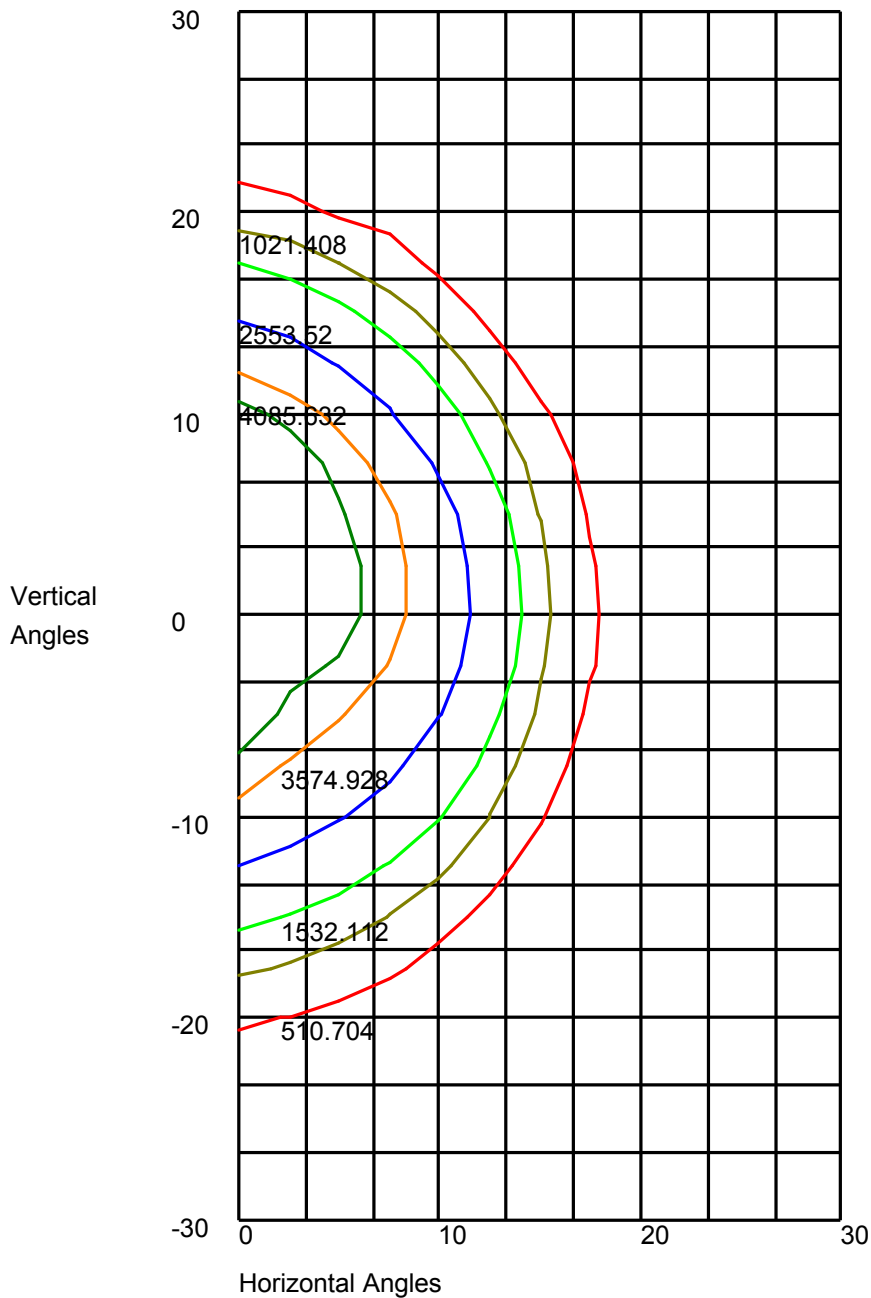
DEG.	HOR.	DEG.	VERT.
90	.739	90	1.121
85	1.121	85	.944
75	.856	75	.679
65	1.003	65	.885
55	.974	55	1.534
47.5	.959	47.5	2.67
42.5	1.077	42.5	4.086
37.5	1.166	37.5	6.52
33	2.272	33	9.647
29	4.473	29	18.019
25.5	7.219	25.5	38.958
22.5	31.285	22.5	340.829
19.5	161.156	19.5	810.596
17	692.141	17	1665.034
15	1116.929	15	2348.584
13	1966.93	13	3183.257
11	2816.931	11	4017.93
9	3456.503	9	4569.621
7	3885.646	7	4838.33
5	4314.788	5	5107.04
3	4388.031	3	4863.382
1	4461.274	1	4619.724
0	4497.895	0	4497.895
-1	4461.274	-1	4499.647
-3	4388.031	-3	4503.152
-5	4314.788	-5	4506.656
-7	3885.646	-7	4068.097
-9	3456.503	-9	3629.538
-11	2816.931	-11	3064.242
-13	1966.93	-13	2372.207
-15	1116.929	-15	1680.173
-17	692.141	-17	1217.755
-19.5	161.156	-19.5	639.732
-22.5	31.285	-22.5	302.494
-25.5	7.219	-25.5	74.715
-29	4.473	-29	31.701
-33	2.272	-33	16.19
-37.5	1.166	-37.5	11.092
-42.5	1.077	-42.5	6.682
-47.5	.959	-47.5	4.426
-55	.974	-55	2.036
-65	1.003	-65	1.357
-75	.856	-75	1.298
-85	1.121	-85	1.092
-90	.739	-90	1.298

AXIAL CANDELA DISPLAY



Maximum Candela = 5107.04 Located At Horizontal Angle = 0, Vertical Angle = 5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 5107.04 Located At Horizontal Angle = 0, Vertical Angle = 5  
50% Maximum Candela = 2553.52  
10% Maximum Candela = 510.704