

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : QUA1-12-L527.IES

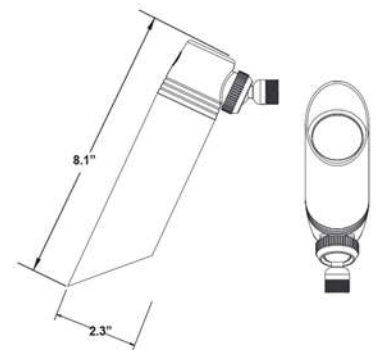
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3313  
[TESTLAB] Labsphere  
[ISSUEDATE] 8/7/2019 6:59:06 AM  
[MANUFAC] TORO  
[LUMINAIRE] QUA1-12-L527  
[LAMP] LED-5W-CM6FL27K  
[POWERFACTOR] 0.9179  
[ATHD] 0.00%  
[CURRENT] 0.43  
[VOLTAGE] 12.00  
[Lumens] 180.14  
[END VOLTS] 12.01  
[END CURRENT] 0.41  
[END POWER] 4.57

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

### CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	1075.78
Maximum Candela Angle	0H 5V
Horizontal Beam Angle (50%)	20.0
Vertical Beam Angle (50%)	28.7
Horizontal Field Angle (10%)	34.8
Vertical Field Angle (10%)	41.8
Lumens Per Lamp	380 (1 lamp)
Total Lamp Lumens	380
Beam Lumens	110
Beam Efficiency	29 %
Field Lumens	168
Field Efficiency	44 %
Spill Lumens	13
Luminaire Lumens	181
Total Efficiency	48 %
Total Luminaire Watts	4.75
Ballast Factor	1.00

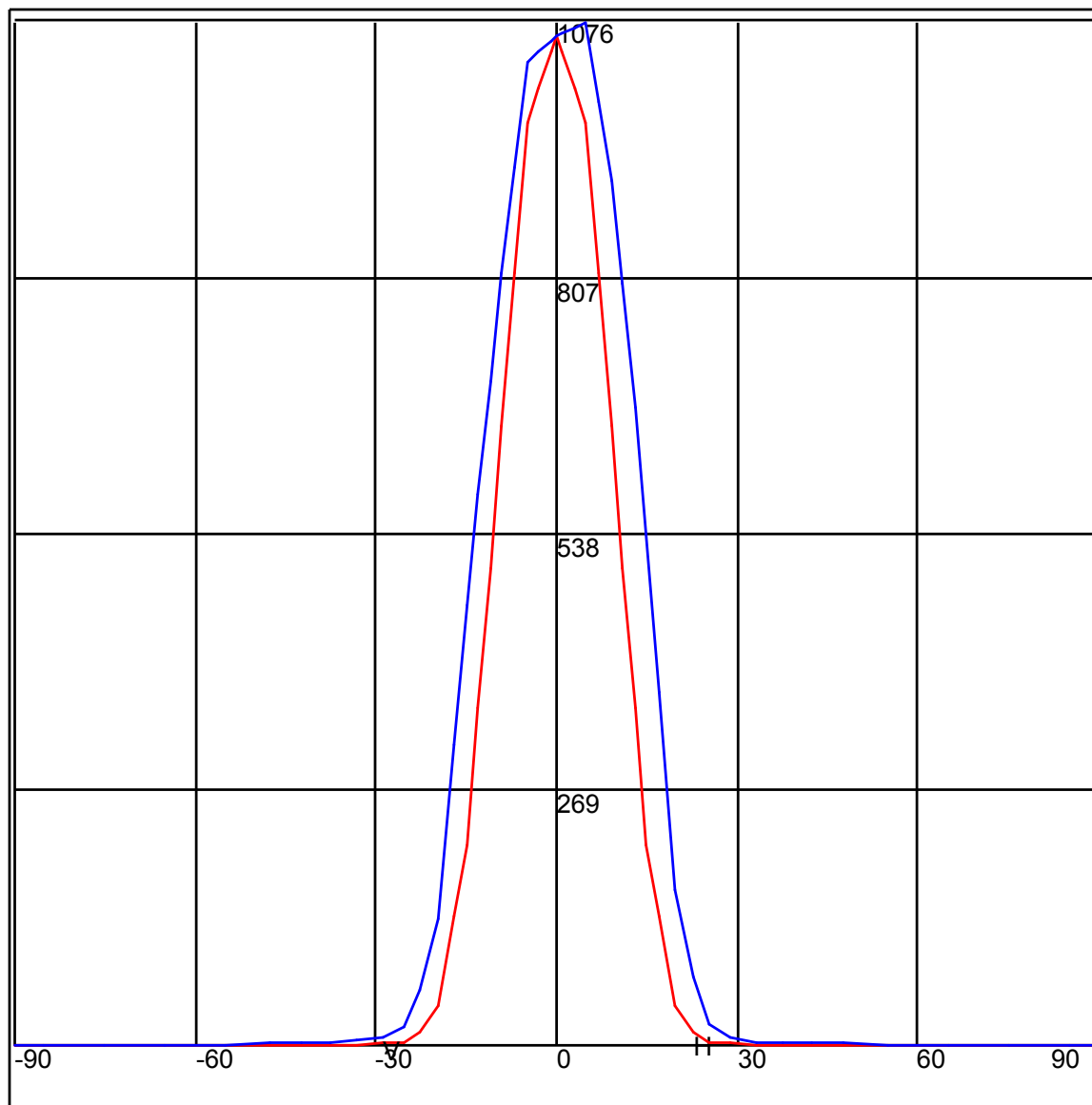


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**AXIAL CANDELA**

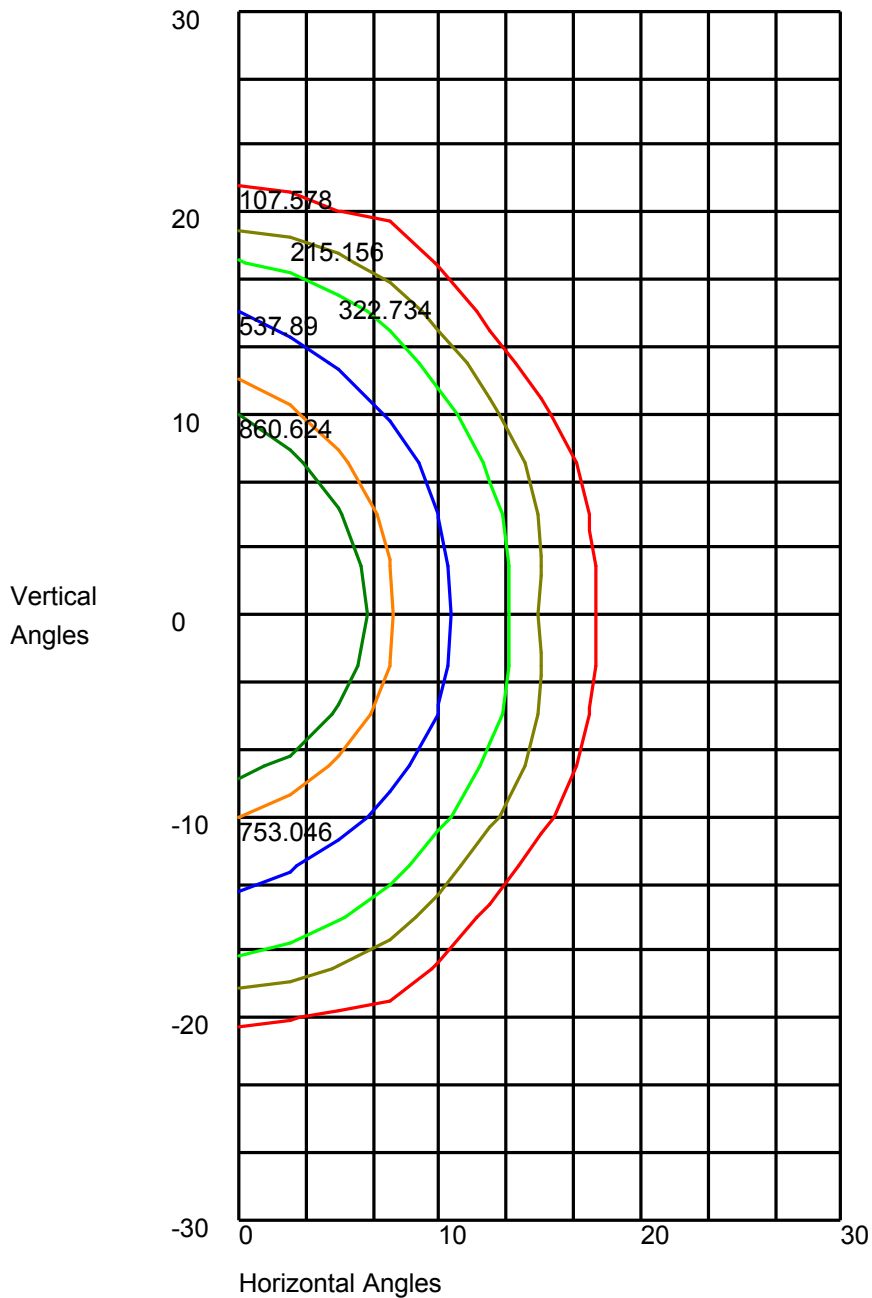
DEG.	HOR.	DEG.	VERT.
90	.27	90	.25
85	.21	85	.25
75	.25	75	.3
65	.27	65	.29
55	.21	55	.46
47.5	.24	47.5	.76
42.5	.21	42.5	1.35
37.5	.26	37.5	2.3
33	.55	33	3.24
29	1.1	29	7.84
25.5	1.84	25.5	21.8
22.5	12.2	22.5	71.88
19.5	41.18	19.5	161.73
17	134.81	17	370.56
15	209.72	15	537.63
13	354.62	13	669.03
11	499.52	11	800.44
9	651.57	9	908.07
7	810.76	7	991.92
5	969.96	5	1075.78
3	1006.38	3	1069.87
1	1042.79	1	1063.96
0	1061	0	1061
-1	1042.79	-1	1055.48
-3	1006.38	-3	1044.44
-5	969.96	-5	1033.4
-7	810.76	-7	922.28
-9	651.57	-9	811.17
-11	499.52	-11	696.76
-13	354.62	-13	579.07
-15	209.72	-15	461.37
-17	134.81	-17	315.13
-19.5	41.18	-19.5	132.32
-22.5	12.2	-22.5	58.1
-25.5	1.84	-25.5	18.83
-29	1.1	-29	7.61
-33	.55	-33	3.57
-37.5	.26	-37.5	2.48
-42.5	.21	-42.5	1.49
-47.5	.24	-47.5	.88
-55	.21	-55	.46
-65	.27	-65	.31
-75	.25	-75	.31
-85	.21	-85	.25
-90	.27	-90	.22

AXIAL CANDELA DISPLAY



Maximum Candela = 1075.78 Located At Horizontal Angle = 0, Vertical Angle = 5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1075.78 Located At Horizontal Angle = 0, Vertical Angle = 5  
50% Maximum Candela = 537.89  
10% Maximum Candela = 107.578