

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : QUA1-12-L430.IES

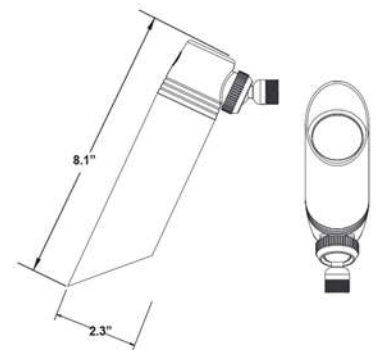
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3314  
[TESTLAB] Labsphere  
[ISSUEDATE] 8/7/2019 10:07:05 AM  
[MANUFAC] TORO  
[LUMINAIRE] QUA1-12-L430  
[LAMP] LED-4W-CM6FL30K  
[\_POWERFACTOR] 0.5737  
[\_ATHD] 0.00%  
[\_CURRENT] 0.55  
[\_VOLTAGE] 12.04  
[\_Lumens] 144.69  
[\_END VOLTS] 12.04  
[\_END CURRENT] 0.52  
[\_END POWER] 3.63

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

### CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	765.17
Maximum Candela Angle	-3H 3V
Horizontal Beam Angle (50%)	25.7
Vertical Beam Angle (50%)	28.2
Horizontal Field Angle (10%)	35.9
Vertical Field Angle (10%)	38.6
Lumens Per Lamp	310 (1 lamp)
Total Lamp Lumens	310
Beam Lumens	105
Beam Efficiency	34 %
Field Lumens	138
Field Efficiency	44 %
Spill Lumens	7
Luminaire Lumens	145
Total Efficiency	47 %
Total Luminaire Watts	3.78
Ballast Factor	1.00

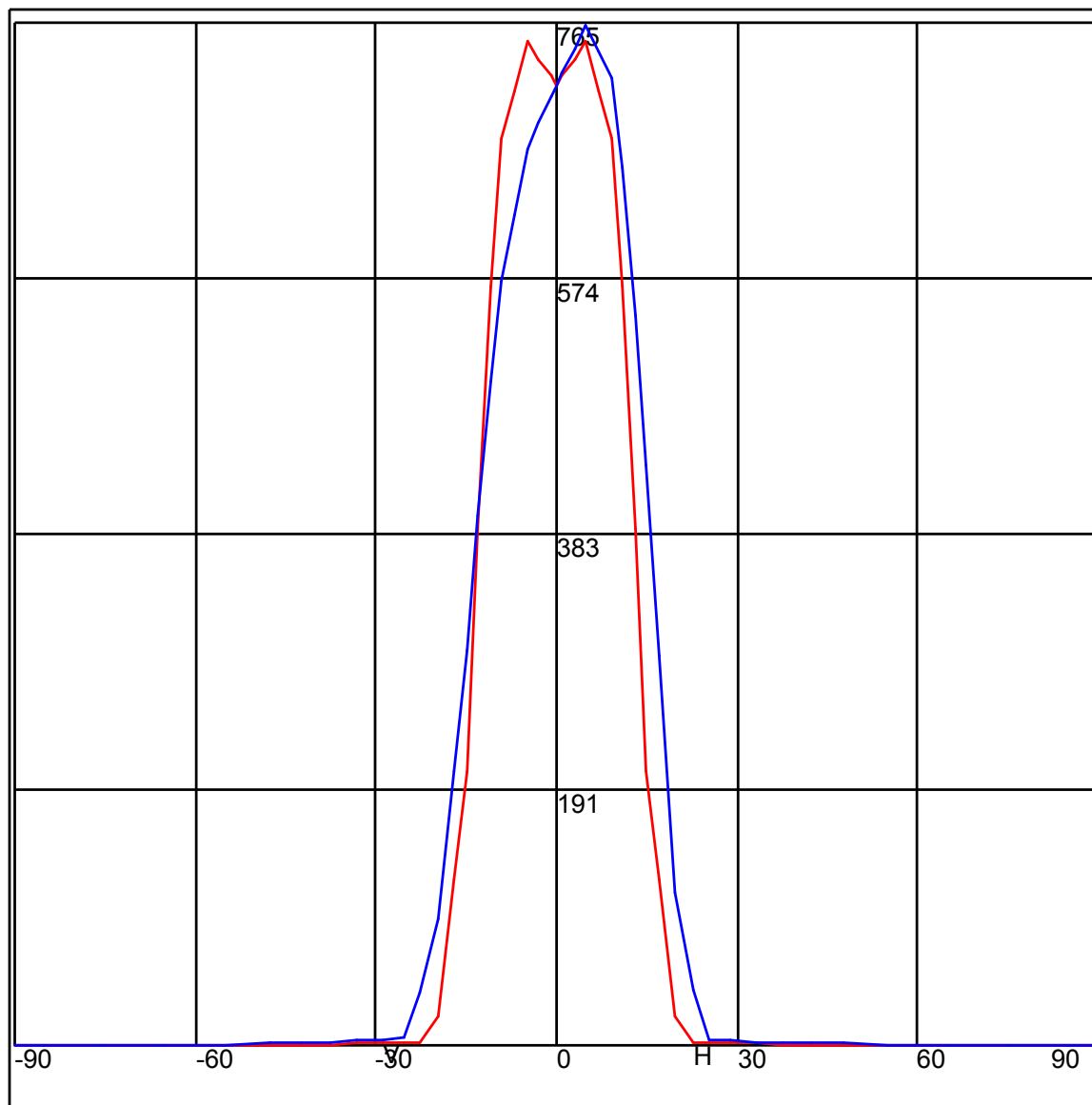


**IES FLOOD REPORT**  
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**AXIAL CANDELA**

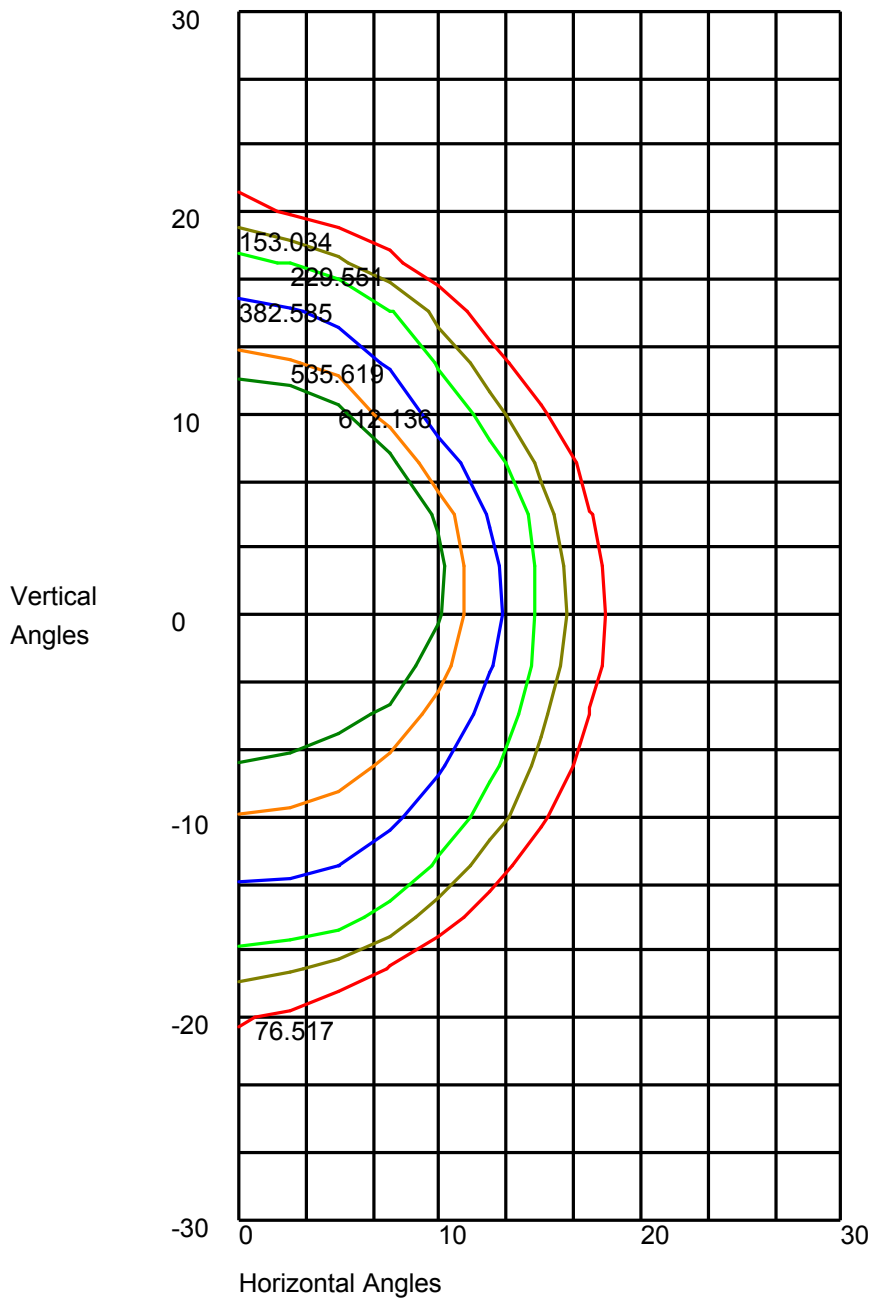
DEG.	HOR.	DEG.	VERT.
90	.23	90	.19
85	.23	85	.29
75	.23	75	.22
65	.25	65	.37
55	.27	55	.39
47.5	.24	47.5	.58
42.5	.26	42.5	.8
37.5	.3	37.5	1.2
33	.47	33	1.82
29	.74	29	2.46
25.5	.9	25.5	2.85
22.5	1.01	22.5	40.06
19.5	21.52	19.5	112.88
17	123.64	17	291.16
15	205.33	15	433.79
13	386.49	13	544.98
11	567.64	11	656.17
9	676.66	9	721.88
7	713.53	7	742.09
5	750.41	5	762.31
3	737.23	3	744.37
1	724.04	1	726.42
0	717.45	0	717.45
-1	724.04	-1	708.05
-3	737.23	-3	689.26
-5	750.41	-5	670.46
-7	713.53	-7	620.66
-9	676.66	-9	570.86
-11	567.64	-11	495.68
-13	386.49	-13	395.11
-15	205.33	-15	294.54
-17	123.64	-17	205.17
-19.5	21.52	-19.5	93.46
-22.5	1.01	-22.5	38.27
-25.5	.9	-25.5	5.27
-29	.74	-29	4.24
-33	.47	-33	3.26
-37.5	.3	-37.5	2.32
-42.5	.26	-42.5	1.46
-47.5	.24	-47.5	.9
-55	.27	-55	.41
-65	.25	-65	.27
-75	.23	-75	.26
-85	.23	-85	.22
-90	.23	-90	.18

AXIAL CANDELA DISPLAY



Maximum Candela = 765.17 Located At Horizontal Angle = -3, Vertical Angle = 3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 765.17 Located At Horizontal Angle =-3, Vertical Angle = 3  
50% Maximum Candela = 382.585  
10% Maximum Candela = 76.517