

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : QUA2-12-L830.IES

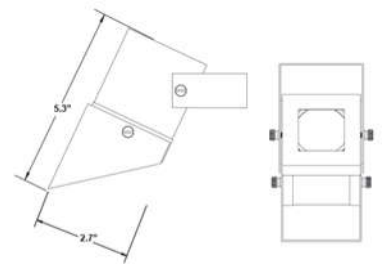
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3351  
[TESTLAB] Labsphere  
[ISSUEDATE] 9/20/2019 12:48:48 PM  
[MANUFAC] TORO  
[LUMINAIRE] QUA2-12-L830  
[LAMP] LED-8W-CM6FL30K  
[ \_ AMBIENT] 21.5 deg C  
[ \_ POWERFACTOR] 0.9213  
[ \_ ATHD] 0.00%  
[ \_ CURRENT] 0.78  
[ \_ VOLTAGE] 11.91  
[ \_ Lumens] 600  
[ \_ END VOLTS] 11.92  
[ \_ END CURRENT] 0.70  
[ \_ END POWER] 7.72

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

### CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	1667.69
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	32.2
Vertical Beam Angle (50%)	36.6
Horizontal Field Angle (10%)	52.7
Vertical Field Angle (10%)	60.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	335
Beam Efficiency	N.A.
Field Lumens	540
Field Efficiency	N.A.
Spill Lumens	43
Luminaire Lumens	583
Total Efficiency	N.A.
Total Luminaire Watts	8.52
Ballast Factor	1.00

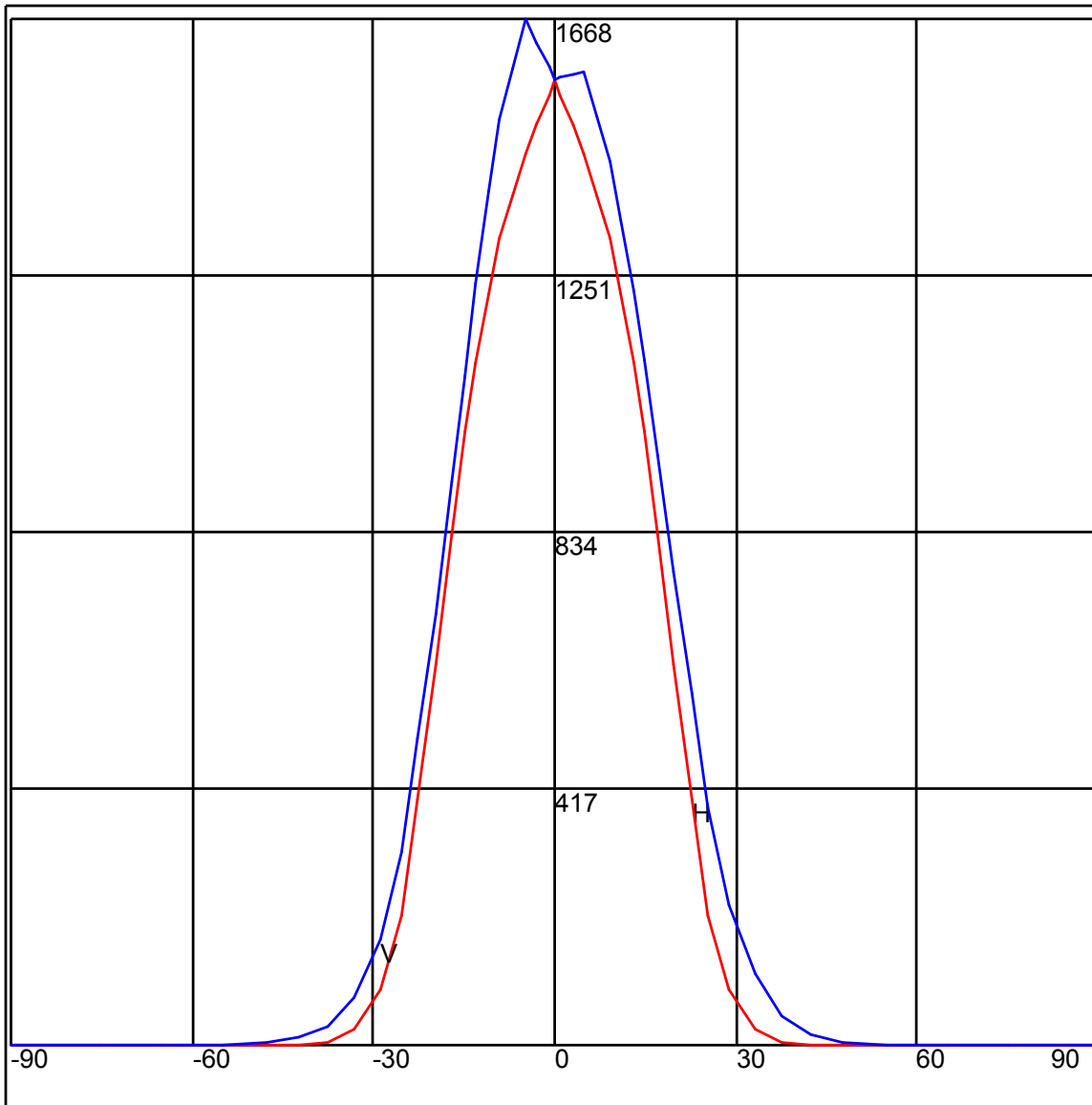


**IES FLOOD REPORT**  
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**AXIAL CANDELA**

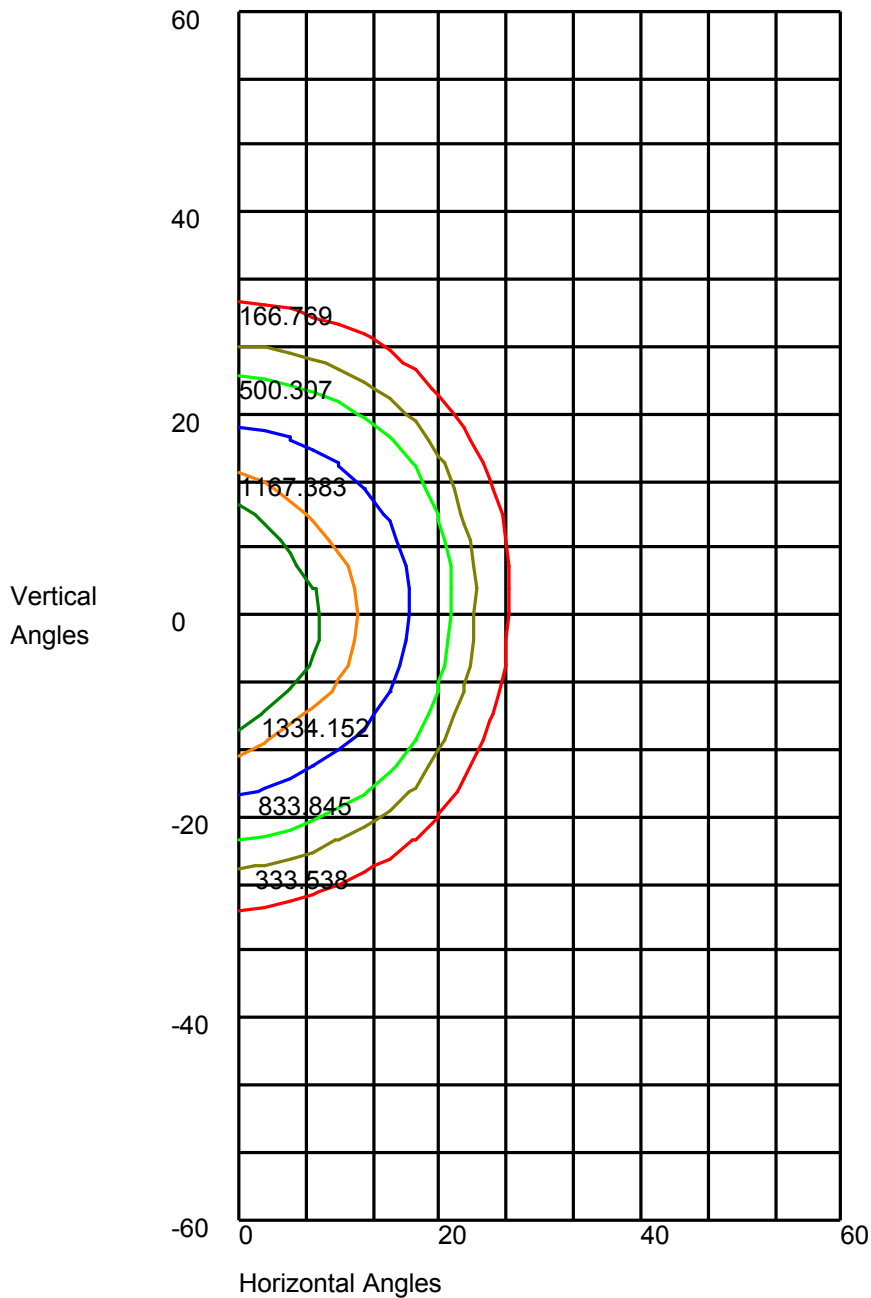
DEG.	HOR.	DEG.	VERT.
90	.36	90	.38
85	.32	85	.46
75	.39	75	.39
65	.38	65	.32
55	.41	55	.48
47.5	.3	47.5	4.25
42.5	.41	42.5	14.49
37.5	1.39	37.5	45.11
33	23.17	33	114.35
29	88.56	29	228.38
25.5	207.43	25.5	387.02
22.5	398.86	22.5	569.25
19.5	615.67	19.5	767.03
17	827.51	17	958.14
15	996.98	15	1111.02
13	1107.73	13	1224.44
11	1218.48	11	1337.85
9	1308.55	9	1431.92
7	1377.93	7	1506.65
5	1447.31	5	1581.37
3	1494.7	3	1575.14
1	1542.09	1	1568.91
0	1565.79	0	1565.79
-1	1542.09	-1	1586.17
-3	1494.7	-3	1626.93
-5	1447.31	-5	1667.69
-7	1377.93	-7	1585.29
-9	1308.55	-9	1502.88
-11	1218.48	-11	1386.47
-13	1107.73	-13	1236.06
-15	996.98	-15	1085.65
-17	827.51	-17	914.3
-19.5	615.67	-19.5	700.12
-22.5	398.86	-22.5	495.24
-25.5	207.43	-25.5	312.74
-29	88.56	-29	169.48
-33	23.17	-33	77.89
-37.5	1.39	-37.5	29.69
-42.5	.41	-42.5	10.34
-47.5	.3	-47.5	3.16
-55	.41	-55	.53
-65	.38	-65	.36
-75	.39	-75	.33
-85	.32	-85	.32
-90	.36	-90	.35

AXIAL CANDELA DISPLAY



Maximum Candela = 1667.69 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1667.69 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 833.845  
10% Maximum Candela = 166.769