

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : QUA1-12-L830.IES

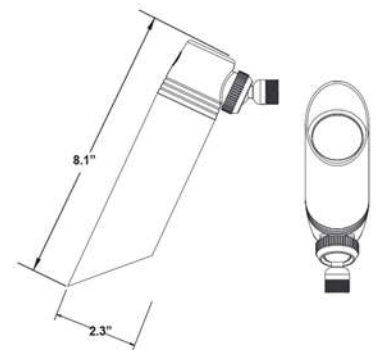
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3310  
[TESTLAB] Labsphere  
[ISSUEDATE] 8/6/2019 6:40:01 AM  
[MANUFAC] TORO  
[LUMINAIRE] QUA1-12-L830  
[LAMP] LED-8W-CM6FL30K  
[\_POWERFACTOR] 0.9213  
[\_ATHD] 0.00%  
[\_CURRENT] 0.77  
[\_VOLTAGE] 11.92  
[\_Lumens] 342.82  
[\_END VOLTS] 11.93  
[\_END CURRENT] 0.71  
[\_END POWER] 7.74

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

### CHARACTERISTICS

NEMA Type	3 H x 3 V
Maximum Candela	1785.44
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	24.1
Vertical Beam Angle (50%)	27.4
Horizontal Field Angle (10%)	38.1
Vertical Field Angle (10%)	43.5
Lumens Per Lamp	600 (1 lamp)
Total Lamp Lumens	600
Beam Lumens	221
Beam Efficiency	37 %
Field Lumens	324
Field Efficiency	54 %
Spill Lumens	21
Luminaire Lumens	345
Total Efficiency	58 %
Total Luminaire Watts	8.41
Ballast Factor	1.00

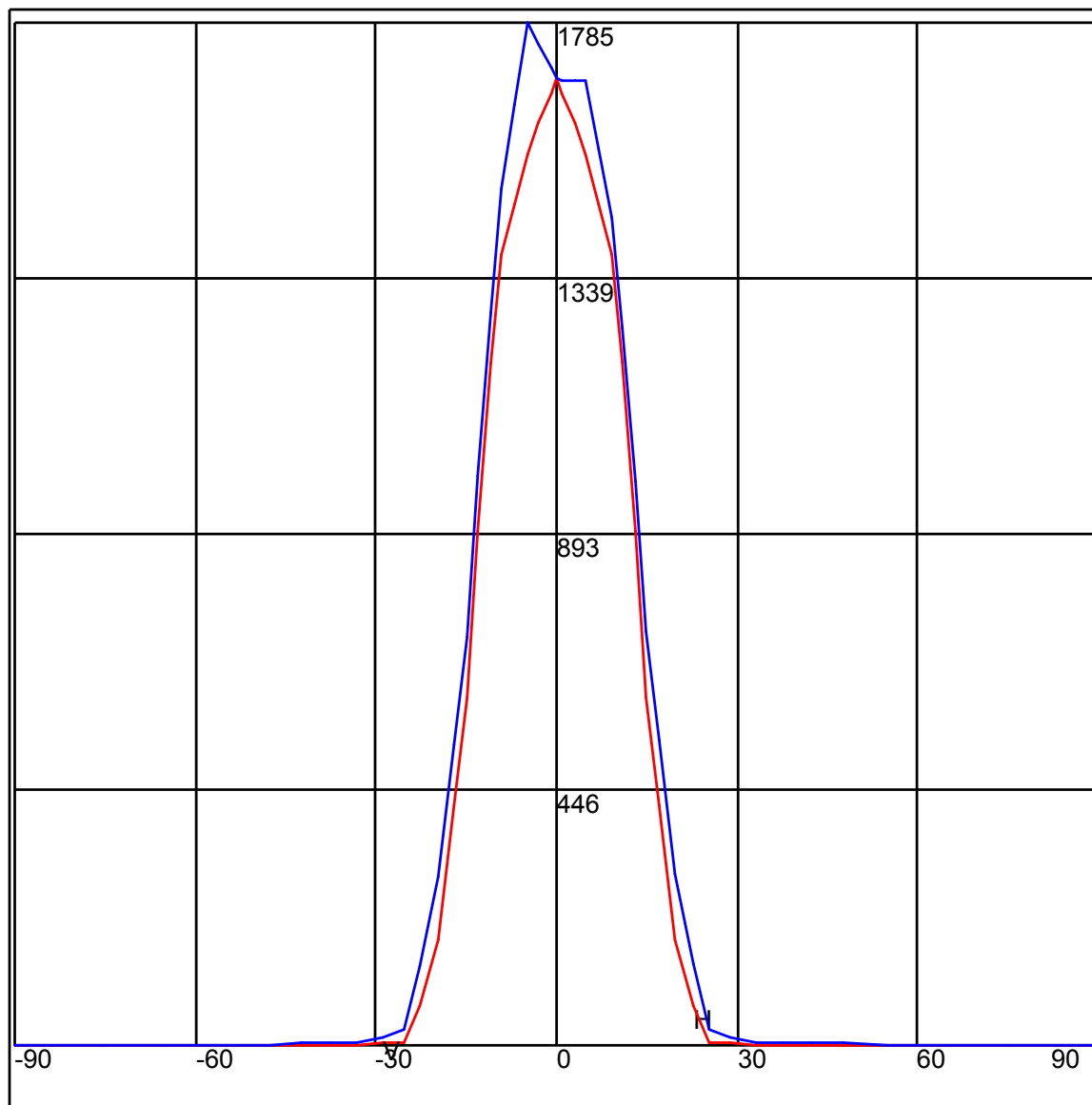


**IES FLOOD REPORT**  
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**AXIAL CANDELA**

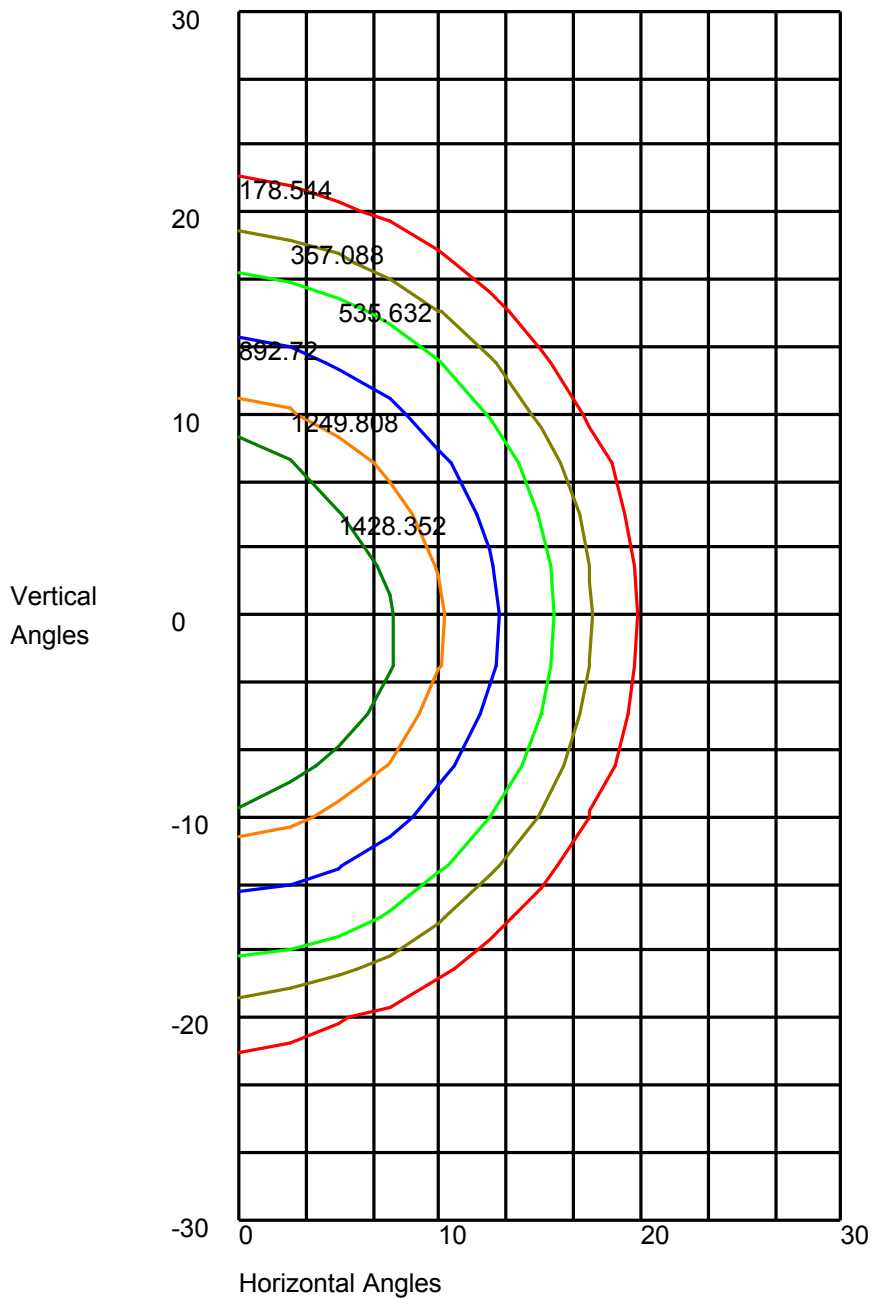
DEG.	HOR.	DEG.	VERT.
90	.24	90	.28
85	.32	85	.13
75	.25	75	.38
65	.27	65	.35
55	.19	55	.62
47.5	.32	47.5	1.26
42.5	.27	42.5	2.15
37.5	.45	37.5	3.5
33	.94	33	5
29	1.53	29	10.93
25.5	2.08	25.5	27.47
22.5	68.29	22.5	140.29
19.5	181.63	19.5	297.69
17	417.66	17	532.46
15	606.49	15	720.27
13	897.82	13	984.7
11	1189.15	11	1249.13
9	1378.8	9	1441.33
7	1466.77	7	1561.3
5	1554.75	5	1681.28
3	1606.63	3	1682.55
1	1658.52	1	1683.82
0	1684.46	0	1684.46
-1	1658.52	-1	1704.66
-3	1606.63	-3	1745.05
-5	1554.75	-5	1785.44
-7	1466.77	-7	1638.36
-9	1378.8	-9	1491.29
-11	1189.15	-11	1276.27
-13	897.82	-13	993.31
-15	606.49	-15	710.35
-17	417.66	-17	524.32
-19.5	181.63	-19.5	291.78
-22.5	68.29	-22.5	137.2
-25.5	2.08	-25.5	26.86
-29	1.53	-29	10.93
-33	.94	-33	5.18
-37.5	.45	-37.5	3.54
-42.5	.27	-42.5	1.98
-47.5	.32	-47.5	1.06
-55	.19	-55	.75
-65	.27	-65	.36
-75	.25	-75	.16
-85	.32	-85	.2
-90	.24	-90	.25

AXIAL CANDELA DISPLAY



Maximum Candela = 1785.44 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1785.44 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 892.72  
10% Maximum Candela = 178.544