

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : PROB-12-L427.IES

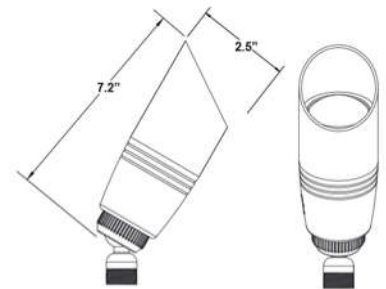
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3231  
[TESTLAB] Labsphere  
[ISSUEDATE] 4/15/2019 11:52:29 AM  
[MANUFAC] TORO  
[LUMINAIRE] PROB-12-L427  
[LAMP] LED-4W-CM6FL27K  
[ AMBIENT] 22.1 deg C  
[ POWERFACTOR] 0.5784  
[ ATHD] 0.00%  
[ CURRENT] 0.54  
[ VOLTAGE] 12.03  
[ Lumens] 222.20  
[ END VOLTS] 12.03  
[ END CURRENT] 0.52  
[ END POWER] 3.60

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

### CHARACTERISTICS

NEMA Type	4 H x 4 V
Maximum Candela	880.88
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	22.9
Vertical Beam Angle (50%)	30.9
Horizontal Field Angle (10%)	47.5
Vertical Field Angle (10%)	53.3
Lumens Per Lamp	300 (1 lamp)
Total Lamp Lumens	300
Beam Lumens	98
Beam Efficiency	33 %
Field Lumens	192
Field Efficiency	64 %
Spill Lumens	31
Luminaire Lumens	223
Total Efficiency	74 %
Total Luminaire Watts	3.72
Ballast Factor	1.00

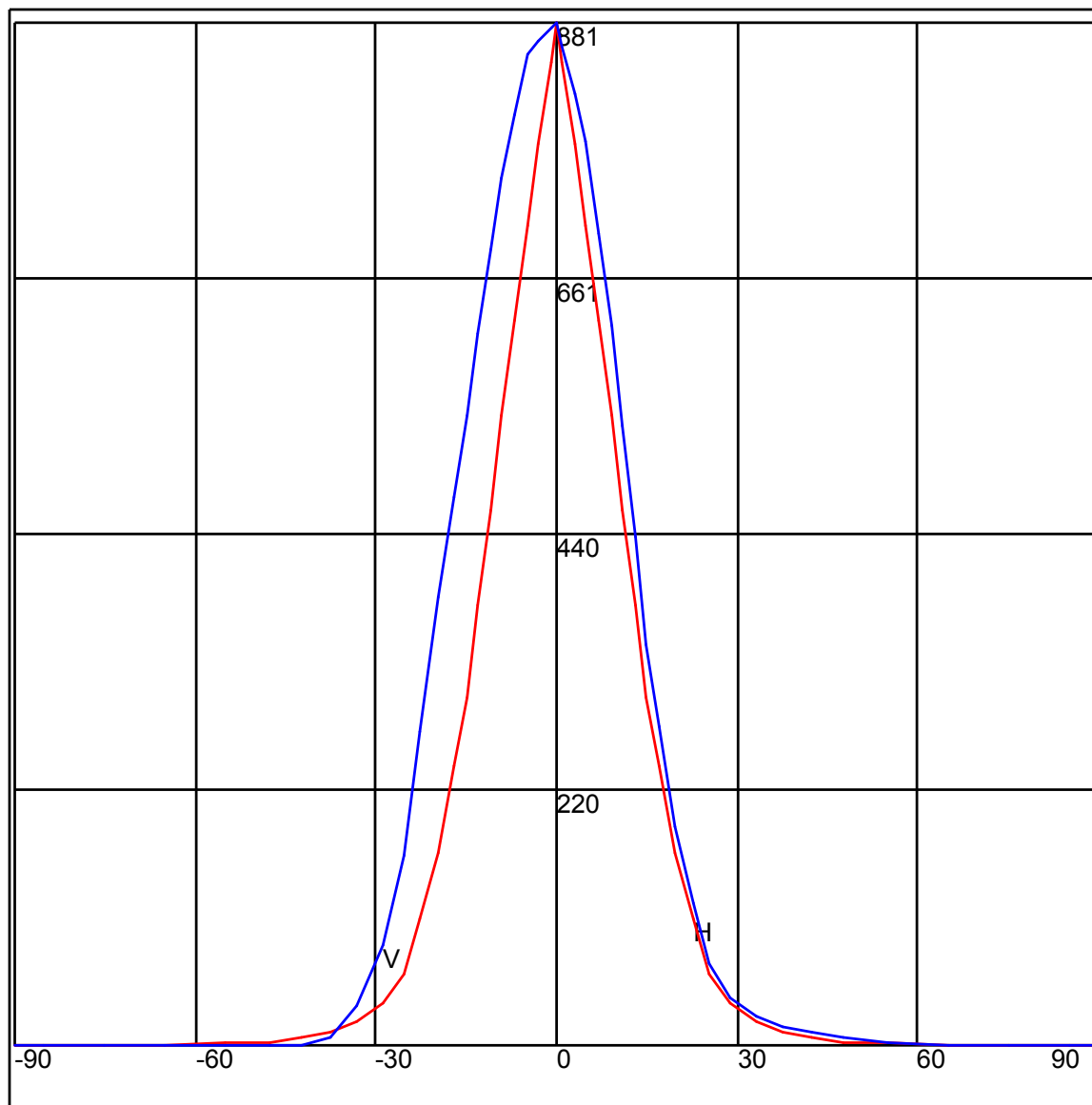


**IES FLOOD REPORT**  
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**AXIAL CANDELA**

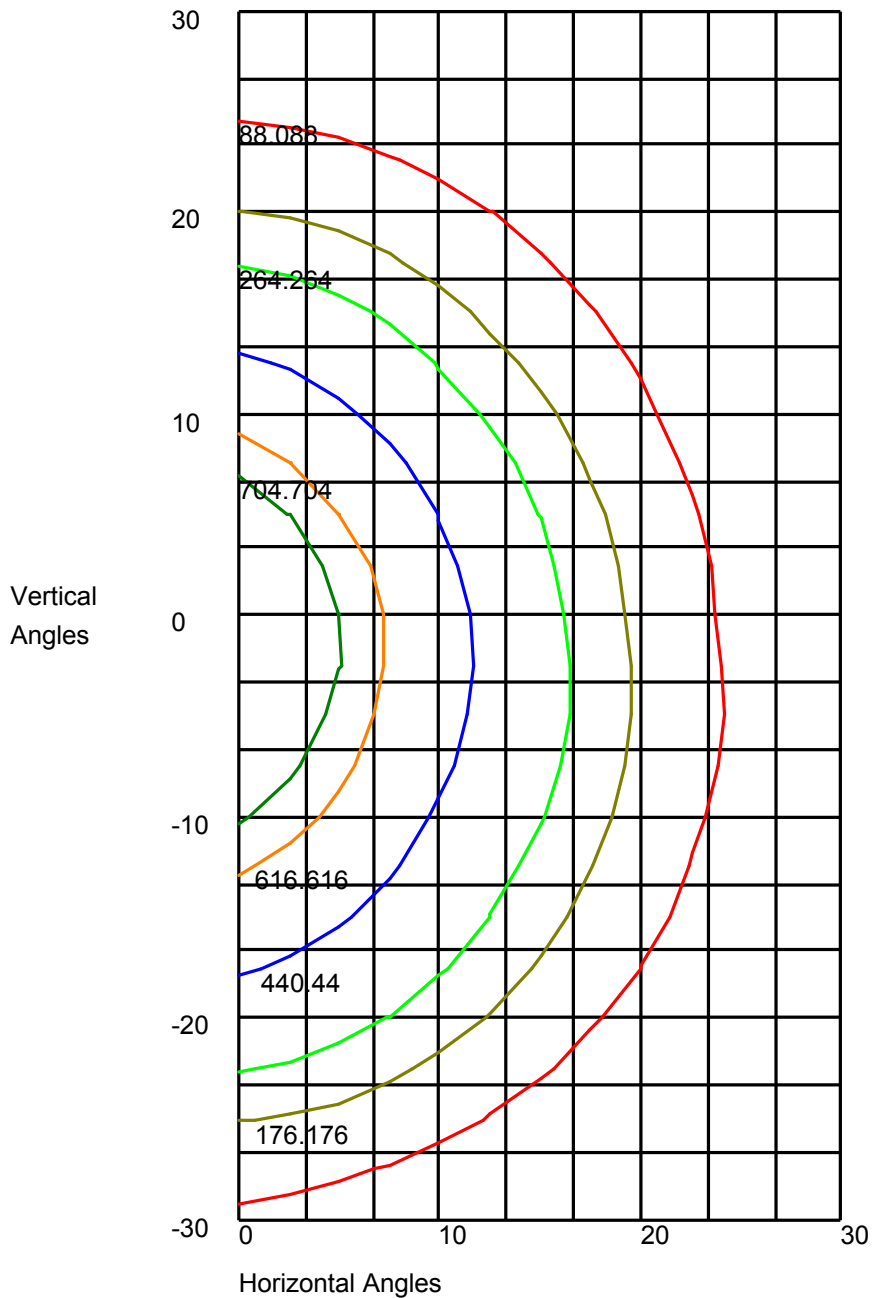
DEG.	HOR.	DEG.	VERT.
90	.29	90	.26
85	.29	85	.23
75	.32	75	.38
65	.37	65	.38
55	.7	55	2.79
47.5	2.31	47.5	6.71
42.5	5.4	42.5	10.08
37.5	10.52	37.5	14.71
33	18.99	33	23.36
29	34.87	29	40.42
25.5	61.19	25.5	69.26
22.5	107.27	22.5	122.19
19.5	164.48	19.5	188.24
17	238.92	17	274.45
15	298.47	15	343.41
13	379.01	13	438.05
11	459.54	11	532.69
9	541.01	9	619.43
7	623.4	7	698.26
5	705.8	5	777.09
3	775.83	3	818.61
1	845.86	1	860.12
0	880.88	0	880.88
-1	845.86	-1	875.36
-3	775.83	-3	864.31
-5	705.8	-5	853.27
-7	623.4	-7	799.94
-9	541.01	-9	746.61
-11	459.54	-11	684.24
-13	379.01	-13	612.81
-15	298.47	-15	541.39
-17	238.92	-17	471.91
-19.5	164.48	-19.5	385.06
-22.5	107.27	-22.5	270.06
-25.5	61.19	-25.5	161.65
-29	34.87	-29	86.19
-33	18.99	-33	34.2
-37.5	10.52	-37.5	7.2
-42.5	5.4	-42.5	.37
-47.5	2.31	-47.5	.24
-55	.7	-55	.24
-65	.37	-65	.21
-75	.32	-75	.23
-85	.29	-85	.2
-90	.29	-90	.2

AXIAL CANDELA DISPLAY



Maximum Candela = 880.88 Located At Horizontal Angle = 0, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 880.88 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 440.44  
10% Maximum Candela = 88.088