

UNIQUE

LIGHTING SYSTEMS®

IES FLOOD REPORT

PHOTOMETRIC FILENAME : STAR-12-L430.IES

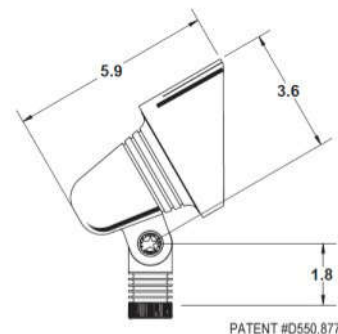
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3447
[TESTLAB] Labsphere
[ISSUEDATE] 1/14/2020 1:33:44 PM
[MANUFAC] TORO
[LUMINAIRE] STAR-12-L430
[LAMP] LED-4W-CM6FL-30K
[_AMBIENT] 22.0 deg C
[_POWERFACTOR] 0.5715
[_ATHD] 0.00%
[_CURRENT] 0.55
[_VOLTAGE] 12.04
[_Lumens] 310
[_END VOLTS] 12.04
[_END CURRENT] 0.52
[_END POWER] 3.60

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

CHARACTERISTICS

NEMA Type	4 H x 6 V
Maximum Candela	253.31
Maximum Candela Angle	0H 5V
Horizontal Beam Angle (50%)	41.8
Vertical Beam Angle (50%)	49.9
Horizontal Field Angle (10%)	68.3
Vertical Field Angle (10%)	105.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	88
Beam Efficiency	N.A.
Field Lumens	160
Field Efficiency	N.A.
Spill Lumens	12
Luminaire Lumens	172
Total Efficiency	N.A.
Total Luminaire Watts	3.81
Ballast Factor	1.00

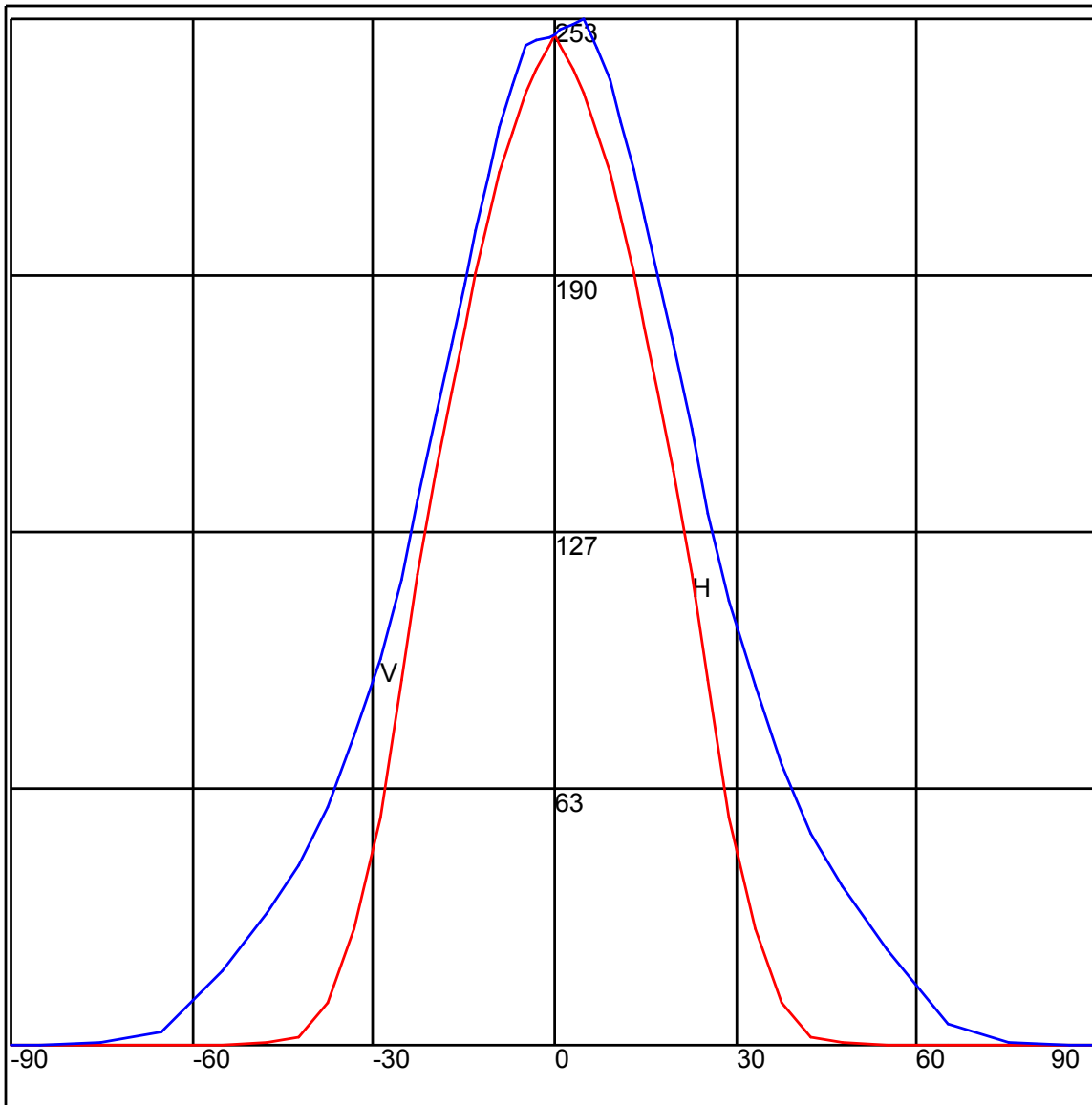


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AXIAL CANDELA

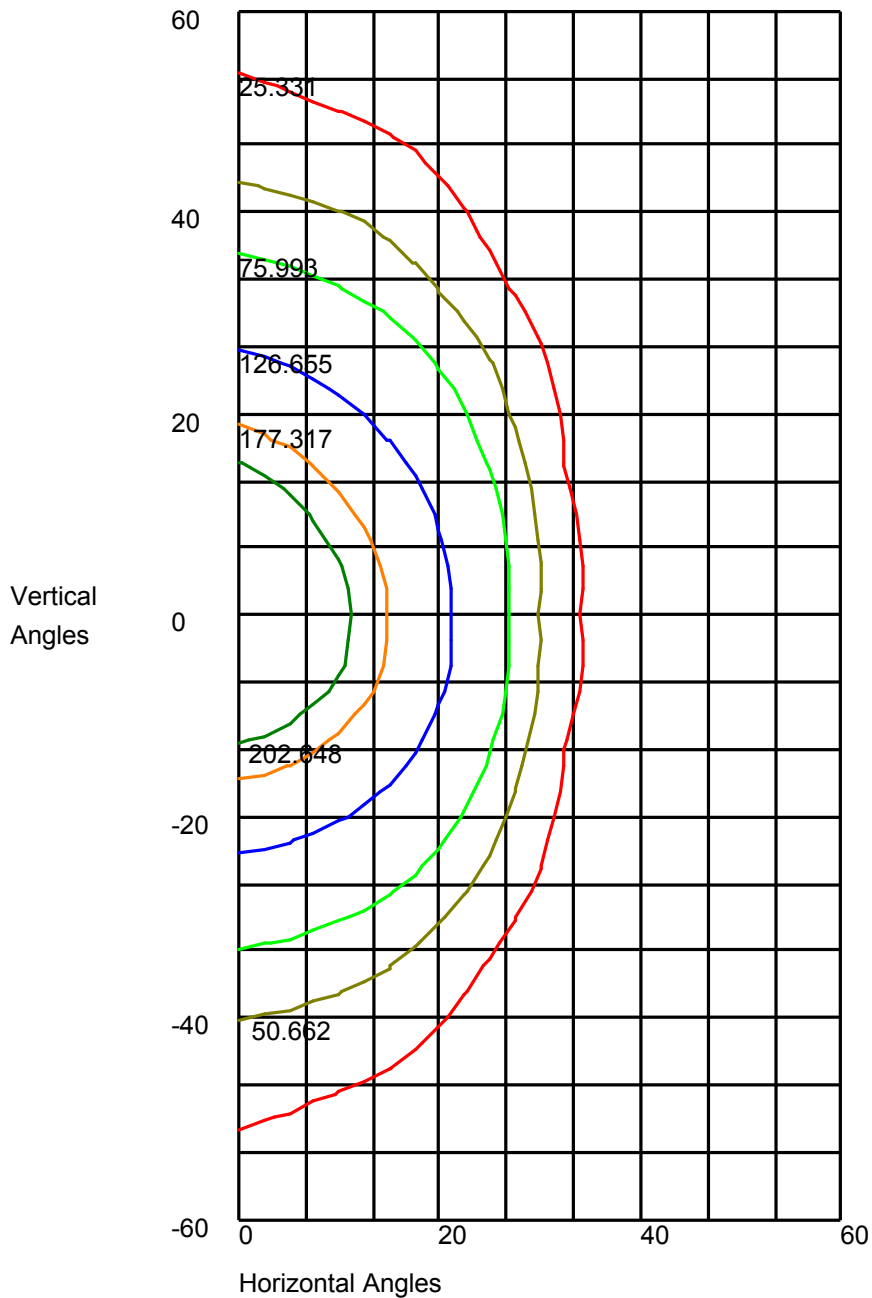
DEG.	HOR.	DEG.	VERT.
90	.04	90	.05
85	.04	85	.03
75	.04	75	.19
65	.06	65	5.26
55	.04	55	23.13
47.5	.29	47.5	38.67
42.5	2.01	42.5	51.78
37.5	10.08	37.5	68.88
33	28.69	33	88.57
29	56.22	29	109.73
25.5	89.57	25.5	131.24
22.5	115.82	22.5	151.71
19.5	141.2	19.5	172.59
17	160.71	17	190.01
15	176.32	15	203.95
13	190.05	13	215.88
11	203.78	11	227.81
9	215.42	9	237.68
7	224.97	7	245.49
5	234.53	5	253.31
3	240.44	3	251.71
1	246.35	1	250.11
0	249.31	0	249.31
-1	246.35	-1	248.73
-3	240.44	-3	247.58
-5	234.53	-5	246.43
-7	224.97	-7	236.36
-9	215.42	-9	226.29
-11	203.78	-11	214.5
-13	190.05	-13	200.97
-15	176.32	-15	187.44
-17	160.71	-17	172.96
-19.5	141.2	-19.5	154.85
-22.5	115.82	-22.5	134.41
-25.5	89.57	-25.5	114.76
-29	56.22	-29	94.91
-33	28.69	-33	76.03
-37.5	10.08	-37.5	58.75
-42.5	2.01	-42.5	43.87
-47.5	.29	-47.5	32.38
-55	.04	-55	18.26
-65	.06	-65	3.07
-75	.04	-75	.16
-85	.04	-85	.03
-90	.04	-90	.04

AXIAL CANDELA DISPLAY



Maximum Candela = 253.31 Located At Horizontal Angle = 0, Vertical Angle = 5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 253.31 Located At Horizontal Angle = 0, Vertical Angle = 5
50% Maximum Candela = 126.655
10% Maximum Candela = 25.331