

Light Intensity Distribution Test

Product Information

Product Name: Single sensor 13W(CW)

Manufactory: GOODWIN

Operator:

Test Date: 2014-04-29

Test Condition

Temperature: 20.9 Cels.

Humidity: 60 %

Start Angle: -180 Deg.

End Angle: 180 Deg.

Step Angle: 1 Deg.

Plane Number.: 1

Test Distance: 3 m

Electric Param

Voltage: 240.5 V

Current: 0.068 A

Power: 14.92 W

PF: 0.906

Photometric Param

Maximum Cand. (I_{vm}): 451.48 cd

Max. Cand. Angle(Deg): C= 0.0 gama= 3.0

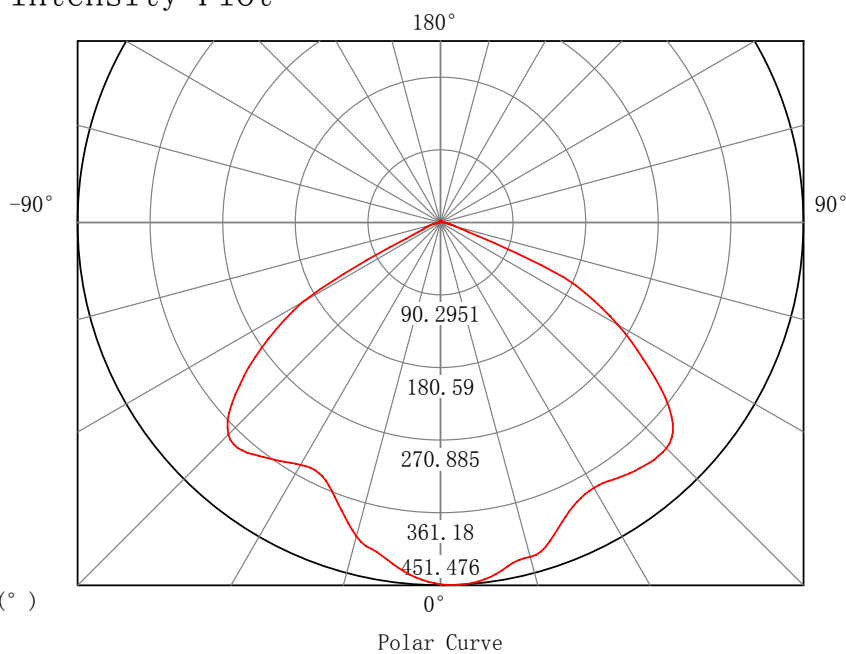
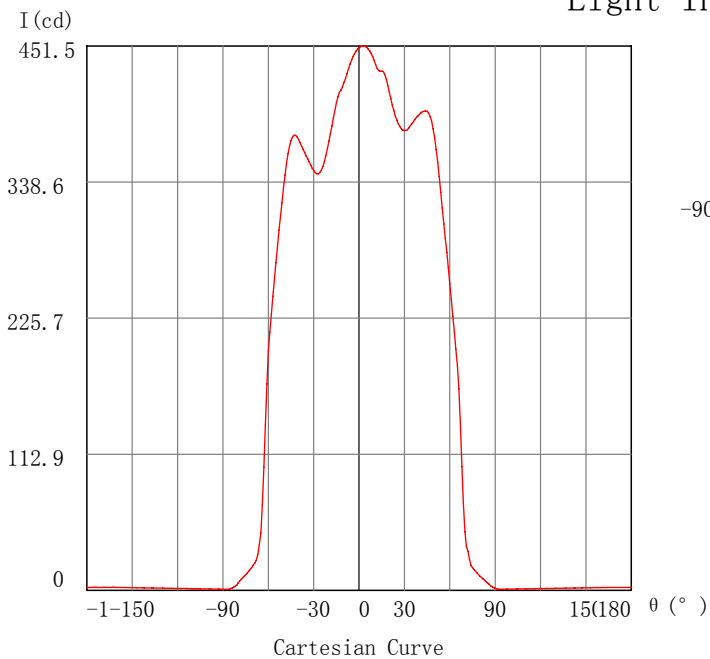
Center Cd(I_{vo}): 450.12 cd

Field Angle(10%) α : 135.5 deg.

Lumens: 1276.042 lm.

Lumen-Effic: 85.526 lm/W

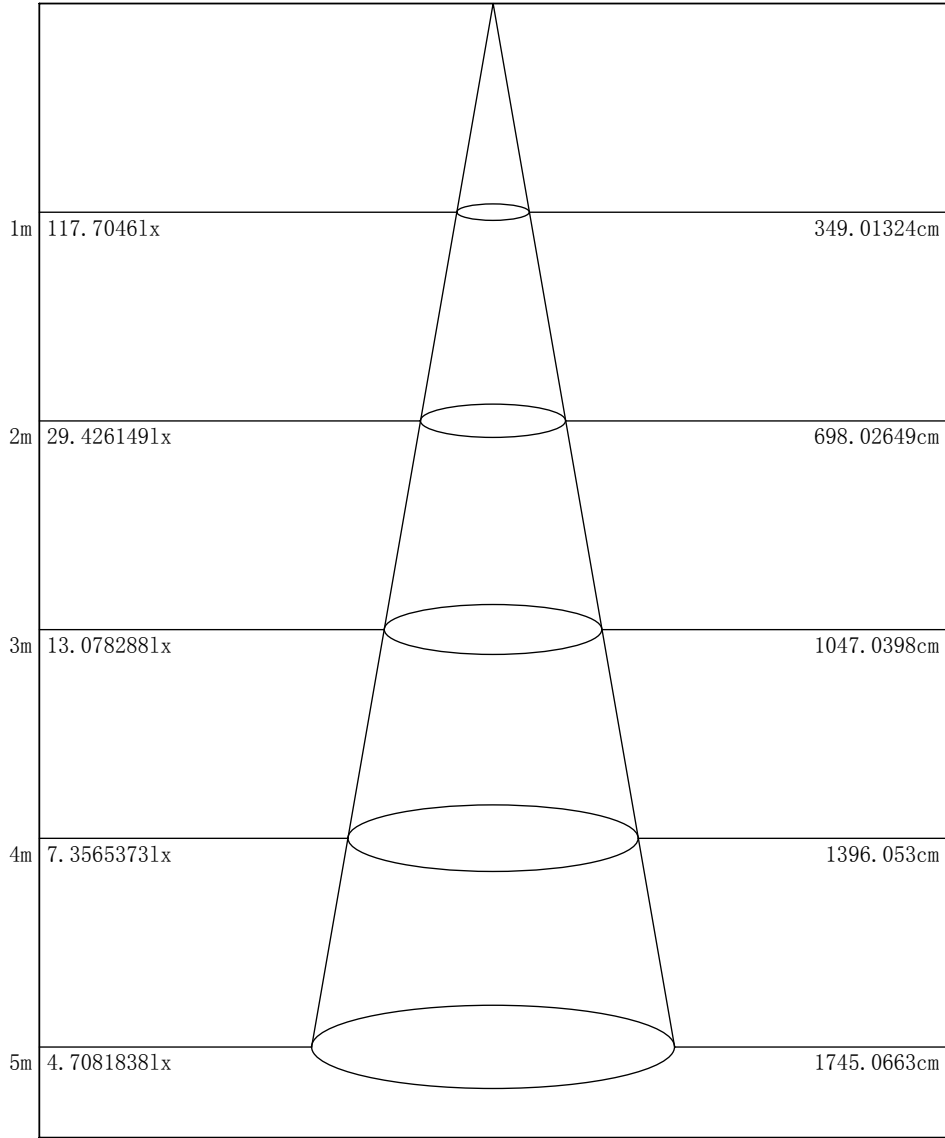
Light Intensity Plot



C0-180 —————

Lux-Distance Diagram

Luminous Flux: 1126.075 lm



Height Aver. Lux

Beam Ang. =120.4(°)

Beam Dia.

10%Beam Angle= 135.5(°)

25%Beam Angle= 130.4(°)

50%Beam Angle= 120.4(°)

75%Beam Angle= 102.9(°)

Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	2.48	-118.0	1.58	-56.0	258.23	6.0	449.09	68.0	102.57	130.0	1.67
-178.0	2.42	-116.0	1.54	-54.0	285.25	8.0	445.33	70.0	48.65	132.0	1.75
-176.0	2.45	-114.0	1.54	-52.0	310.43	10.0	439.51	72.0	32.31	134.0	1.74
-174.0	2.48	-112.0	1.46	-50.0	333.50	12.0	432.78	74.0	20.70	136.0	1.79
-172.0	2.43	-110.0	1.41	-48.0	354.10	14.0	430.52	76.0	17.23	138.0	1.89
-170.0	2.46	-108.0	1.41	-46.0	368.51	16.0	430.29	78.0	14.30	140.0	1.88
-168.0	2.49	-106.0	1.33	-44.0	376.15	18.0	423.86	80.0	11.71	142.0	1.94
-166.0	2.42	-104.0	1.26	-42.0	377.41	20.0	413.17	82.0	9.48	144.0	2.05
-164.0	2.45	-102.0	1.25	-40.0	374.00	22.0	402.48	84.0	7.25	146.0	2.06
-162.0	2.48	-100.0	1.21	-38.0	368.20	24.0	393.36	86.0	5.06	148.0	2.10
-160.0	2.41	-98.0	1.14	-36.0	363.03	26.0	386.82	88.0	3.01	150.0	2.21
-158.0	2.41	-96.0	1.12	-34.0	357.85	28.0	382.81	90.0	1.75	152.0	2.21
-156.0	2.43	-94.0	1.09	-32.0	352.52	30.0	381.33	92.0	0.95	154.0	2.24
-154.0	2.34	-92.0	1.03	-30.0	348.29	32.0	382.00	94.0	1.01	156.0	2.34
-152.0	2.33	-90.0	1.02	-28.0	345.48	34.0	385.57	96.0	1.02	158.0	2.33
-150.0	2.33	-88.0	1.02	-26.0	346.59	36.0	388.88	98.0	1.04	160.0	2.33
-148.0	2.23	-86.0	0.95	-24.0	351.41	38.0	392.37	100.0	1.11	162.0	2.39
-146.0	2.21	-84.0	1.95	-22.0	360.66	40.0	394.79	102.0	1.14	164.0	2.40
-144.0	2.20	-82.0	3.36	-20.0	372.51	42.0	396.98	104.0	1.15	166.0	2.37
-142.0	2.09	-80.0	6.18	-18.0	385.13	44.0	397.56	106.0	1.21	168.0	2.43
-140.0	2.05	-78.0	9.07	-16.0	398.31	46.0	395.78	108.0	1.26	170.0	2.43
-138.0	2.05	-76.0	11.73	-14.0	409.33	48.0	388.94	110.0	1.28	172.0	2.38
-136.0	1.95	-74.0	14.42	-12.0	414.99	50.0	375.04	112.0	1.34	174.0	2.43
-134.0	1.90	-72.0	17.44	-10.0	421.12	52.0	354.94	114.0	1.41	176.0	2.43
-132.0	1.91	-70.0	20.84	-8.0	428.62	54.0	330.06	116.0	1.41	178.0	2.38
-130.0	1.81	-68.0	24.87	-6.0	436.49	56.0	303.91	118.0	1.46	180.0	2.42
-128.0	1.77	-66.0	37.37	-4.0	442.75	58.0	280.32	120.0	1.54		
-126.0	1.77	-64.0	70.69	-2.0	447.28	60.0	254.40	122.0	1.52		
-124.0	1.69	-62.0	136.84	0.0	450.12	62.0	227.53	124.0	1.56		
-122.0	1.65	-60.0	198.51	2.0	451.32	64.0	200.08	126.0	1.63		
-120.0	1.66	-58.0	229.36	4.0	451.01	66.0	167.17	128.0	1.62		

Tabulator: _____

Verifier: _____