

LED Luminous Intensity Diagram Test Report

Product Character

Product Type:LED

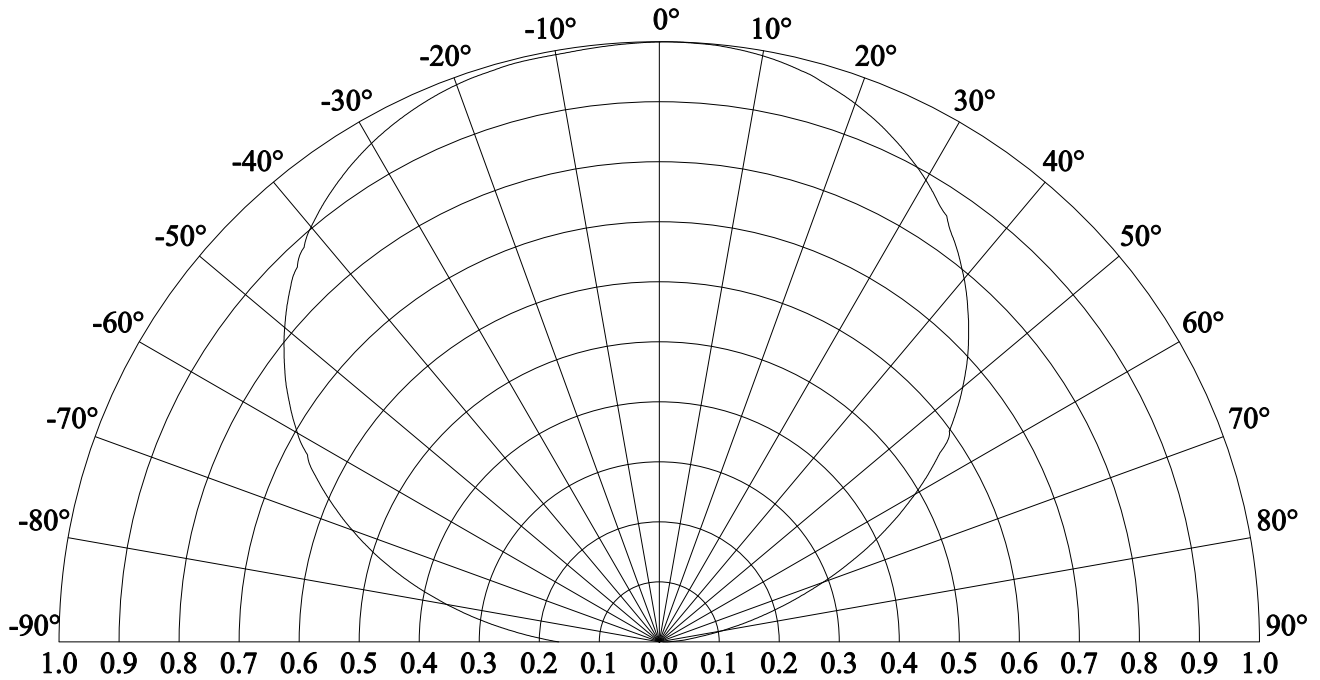
Manufacture:Osram Lighting

Temperature:25°C

Humidity:65%

Operator:Reza

Test date:2008-11-12



Photic Parameter

Peak Intensity: $I_{max} = 71676.3$ mcd

Center Intensity: $I_o = 71652.3$ mcd

Misalignment angle: $\Delta\theta = 1.3^\circ$

Equivalent Flux: $\Phi_v = 257714.6$ mlm

Diffuse Angle: $\theta(25\%) = 157.4^\circ$,

$\theta(50\%) = 132.2^\circ$,

$\theta(75\%) = 99.1^\circ$

Scan Interval: 1.0°

CIE Condition: CIE pub.NO.127 A

Electric Parameter

Forward Current: $I_f = 200.0$ mA

Forward Voltage $V_f = 7.64$ V

Reverse Voltage: $V_r = 5.00$ V

Reverse Current: $I_r =$ uA

Luminous Intensity data(Angle:deg,Signal:mcd)

Angle	Signal	Angle	Signal	Angle	Signal	Angle	Signal	Angle	Signal
-90.0	12038.68	-89.0	13294.84	-88.0	14562.37	-87.0	15932.21	-86.0	17267.95
-85.0	18671.89	-84.0	20109.94	-83.0	21513.88	-82.0	22963.30	-81.0	24361.56
-80.0	25799.61	-79.0	27129.66	-78.0	28573.40	-77.0	29965.97	-76.0	31324.45
-75.0	32654.50	-74.0	33995.92	-73.0	35325.97	-72.0	36548.03	-71.0	37809.87
-70.0	39003.51	-69.0	40236.93	-68.0	41379.41	-67.0	42538.95	-66.0	43681.43
-65.0	44772.75	-64.0	45858.39	-63.0	46898.57	-62.0	47586.33	-61.0	48893.64
-60.0	49899.71	-59.0	50877.36	-58.0	51820.89	-57.0	52713.28	-56.0	53617.04
-55.0	54492.37	-54.0	55288.13	-53.0	56095.26	-52.0	56873.96	-51.0	57669.72
-50.0	58402.95	-49.0	59136.19	-48.0	59852.37	-47.0	60528.76	-46.0	61188.10
-45.0	61824.71	-44.0	62233.96	-43.0	63012.66	-42.0	63410.55	-41.0	64166.51
-40.0	64700.80	-39.0	65195.31	-38.0	65689.83	-37.0	66150.23	-36.0	66570.84
-35.0	66985.77	-34.0	67372.28	-33.0	67758.79	-32.0	68105.52	-31.0	68440.88
-30.0	68753.49	-29.0	69043.37	-28.0	69304.83	-27.0	69554.93	-26.0	69787.98
-25.0	69998.28	-24.0	70197.22	-23.0	70379.11	-22.0	70543.94	-21.0	70686.05
-20.0	70811.09	-19.0	70919.09	-18.0	70998.66	-17.0	71044.13	-16.0	71100.98
-15.0	71186.23	-14.0	71231.70	-13.0	71237.39	-12.0	71231.70	-11.0	71220.34
-10.0	71220.34	-9.0	71237.39	-8.0	71282.86	-7.0	71339.70	-6.0	71396.55
-5.0	71442.02	-4.0	71498.85	-3.0	71538.64	-2.0	71584.11	-1.0	71623.90
0.0	71652.33	1.0	71675.05	2.0	71669.37	3.0	71640.95	4.0	71612.53
5.0	71595.48	6.0	71532.95	7.0	71442.02	8.0	71345.39	9.0	71220.34
10.0	71083.92	11.0	70924.77	12.0	70731.52	13.0	70521.20	14.0	70282.48
15.0	70072.17	16.0	69725.45	17.0	69407.15	18.0	69094.53	19.0	68770.55
20.0	68418.13	21.0	68025.94	22.0	67639.43	23.0	67218.81	24.0	66769.78
25.0	66292.33	26.0	65820.55	27.0	65303.31	28.0	64786.06	29.0	64257.46
30.0	63683.38	31.0	63069.50	32.0	62432.90	33.0	61801.98	34.0	61381.36
35.0	60409.40	36.0	59681.85	37.0	58971.35	38.0	58209.70	39.0	57413.94
40.0	56635.23	41.0	55805.37	42.0	54947.09	43.0	54043.34	44.0	53173.69
45.0	52241.51	46.0	51320.70	47.0	50382.85	48.0	49388.15	49.0	48347.98
50.0	47290.76	51.0	46239.23	52.0	45096.74	53.0	43971.31	54.0	42806.09
55.0	42084.23	56.0	40447.24	57.0	39179.71	58.0	37912.18	59.0	36593.50
60.0	35240.71	61.0	33842.45	62.0	32506.71	63.0	31051.61	64.0	29653.35
65.0	28220.99	66.0	26771.57	67.0	25242.58	68.0	23759.06	69.0	22303.96
70.0	20769.28	71.0	19291.45	72.0	17819.29	73.0	16438.09	74.0	15022.78
75.0	13647.25	76.0	12345.62	77.0	11083.77	78.0	9844.66	79.0	8622.61
80.0	7508.55	81.0	6394.48	82.0	5433.89	83.0	4586.98	84.0	3899.21
85.0	3319.45	86.0	2739.68	87.0	2057.60	88.0	1409.63	89.0	1062.91
90.0	414.93								