



Specification

Product: COB LENS

MODEL: AHCOB6838D24G

DATE: 2013-8-25

ASAHI OPTICS LIMITED



2/F SHALING BUILDING, SHAJING, BAO'AN SHENZHEN' CHINA
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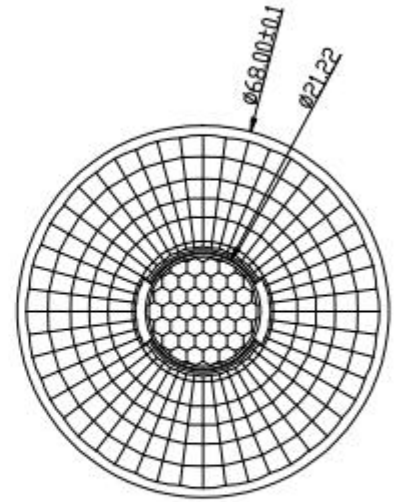
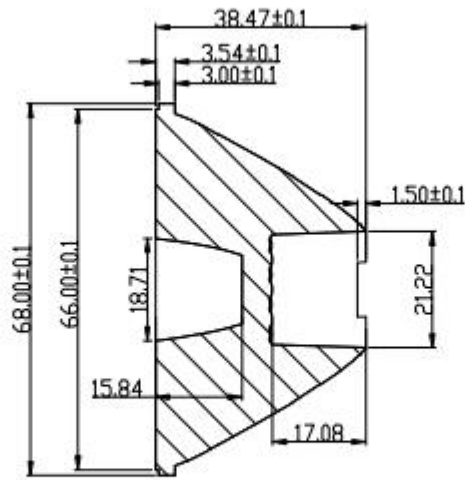
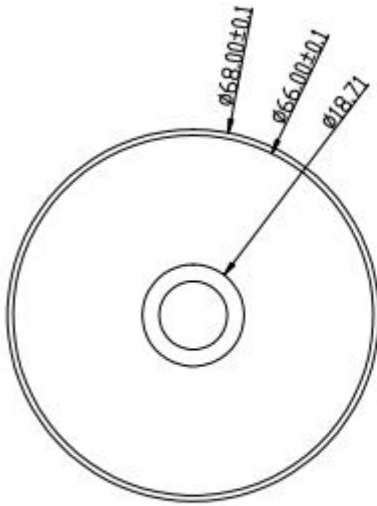
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T.C.SUN	H.J.HU	Z.Y.LIU



Index

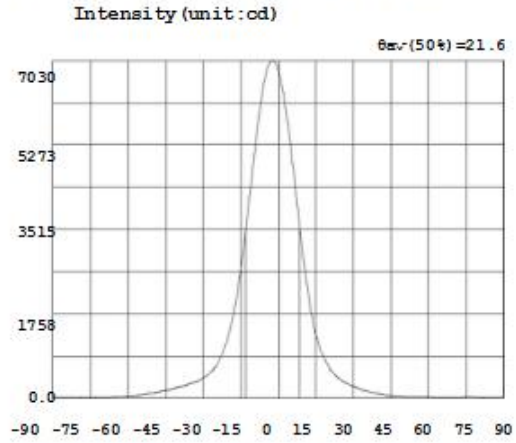
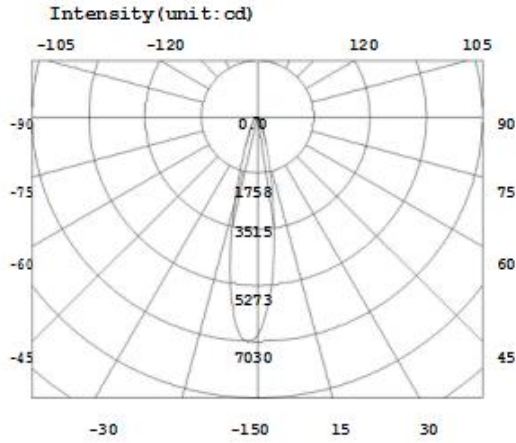
1. Cover
2. Index
3. Product description
4. Drawing
5. Test report
6. Material certificate

Part Number	AHCOB6838D24G
Picture	
Dimension	68.0*38.50mm
LED Type	
Beam Angle	24°
Efficiency	90%
Material	PMMA





GO1900L GONIOPHOTOMETER Test Report Page 1 Of 2



Intensity data: (deg , cd) CO-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	10.06	-58.0	52.85	-26.0	600.1	6.0	4748	38.0	110.8	70.0	22.55
-88.0	10.14	-56.0	61.30	-24.0	753.4	8.0	3809	40.0	88.57	72.0	23.12
-86.0	11.20	-54.0	74.49	-22.0	981.5	10.0	2909	42.0	71.35	74.0	23.84
-84.0	10.58	-52.0	90.34	-20.0	1293	12.0	2154	44.0	59.62	76.0	24.69
-82.0	10.74	-50.0	107.7	-18.0	1732	14.0	1556	46.0	51.40	78.0	23.91
-80.0	11.40	-48.0	127.2	-16.0	2327	16.0	1143	48.0	42.92	80.0	15.21
-78.0	12.19	-46.0	148.8	-14.0	3082	18.0	868.7	50.0	34.94	82.0	14.92
-76.0	12.90	-44.0	171.3	-12.0	3973	20.0	676.3	52.0	30.21	84.0	23.15
-74.0	13.99	-42.0	196.2	-10.0	4887	22.0	522.7	54.0	26.81	86.0	21.50
-72.0	15.73	-40.0	222.4	-8.0	5777	24.0	421.7	56.0	25.44	88.0	17.81
-70.0	18.25	-38.0	251.8	-6.0	6497	26.0	348.3	58.0	24.69	90.0	13.85
-68.0	21.35	-36.0	288.0	-4.0	6922	28.0	292.5	60.0	24.23		
-66.0	25.15	-34.0	325.1	-2.0	7025	30.0	246.3	62.0	23.64		
-64.0	29.66	-32.0	363.5	0.0	6834	32.0	203.1	64.0	22.84		
-62.0	35.08	-30.0	421.1	2.0	6335	34.0	166.0	66.0	22.43		
-60.0	42.63	-28.0	499.3	4.0	5621	36.0	136.6	68.0	22.22		

Electricity Parameter:

Current I: 0.6800A Power: 0.0W
Voltage V: 36.00V PF: 0.000

Optical Parameter (Distance=3.000m) :

Equivalent Luminous flux: $\Phi_{eff} = 1658lm$ Efficiency: $Eff=0.00lm/W$
Diffuse angle: @ (25%): 31.1deg @ (50%): 21.6deg @ (75%): 13.9deg @ (50%): 21.6deg
Diffuse angle: @ (25%): 31.4deg @ (50%): 22.0deg @ (75%): 14.5deg @ (50%): 22.0deg
 $I_{max}=7025cd$ (C=0.0deg,G=-2.0deg) CO-180Plane $I_{max}= 7025cd(G=-2.0deg)$
CO-180Plane $I_0= 6834cd$

Lamp Type: COB LENS
Tester: ASAHI
Temperature: 25.3deg
Manufacturer: ASAHI

Luminaires Type: CREE CXA1830
Test Date: 2013-08-17
Humidity: 65%
Remarks: AHC0B6838D24G



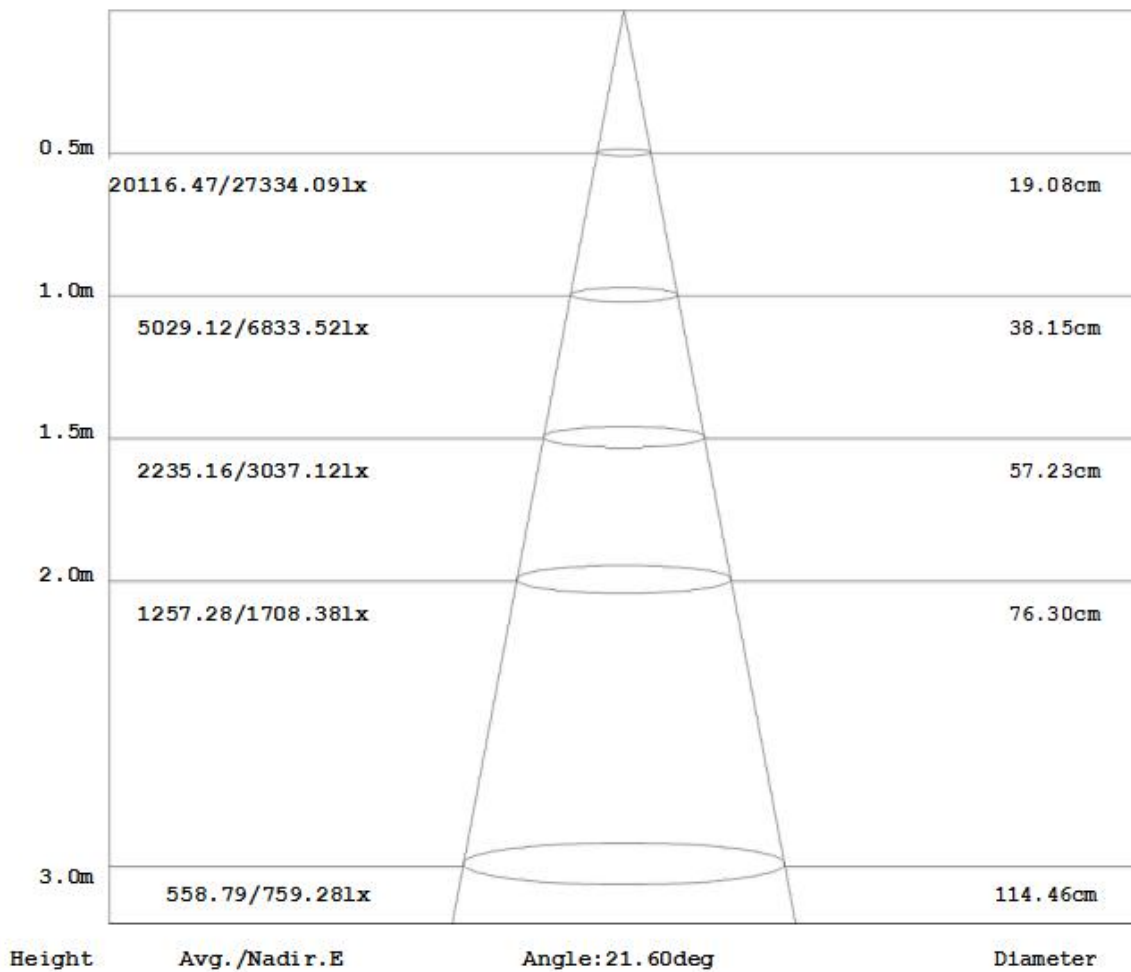
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GO1900L GONIOPHOTOMETER Test Report

Page 2 Of 2

Average Illuminance Figure

Flux out:574.93 lm



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Humidity: 65%
Remarks: AHCOB6838D24G



15-9-30

UL Certification

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Component - Plastics [guide info]

E256044

MITSUBISHI RAYON POLYMER NANTONG CO LTD

NANTONG ECONOMIC & TECH DEV AREA, 6 GUANGZHOU RD, NANTONG JIANGSU 226009 CN

VH(ww)(f1), VH(f1), VHM(f1), VHS(f1)

Polymethyl Methacrylate (PMMA), "Shinkolite-P, Acrypet", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI		RTI		RTI Str
			HWI	HAI	Elec	Imp	
ALL	1.5	HB	4	0	50	50	50
	3.0	HB	3	0	50	50	50

Comparative Tracking Index (CTI): -

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): -

Volume Resistivity (10^X ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): -

High Volt, Low Current Arc Resis (D495): -

Dimensional Stability (%): -

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(ww) - With or without a digit 0-3,5,7-9 incl.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2013-01-02

Last Revised: 2013-01-23

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	HB75 (ALL)
			3.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-