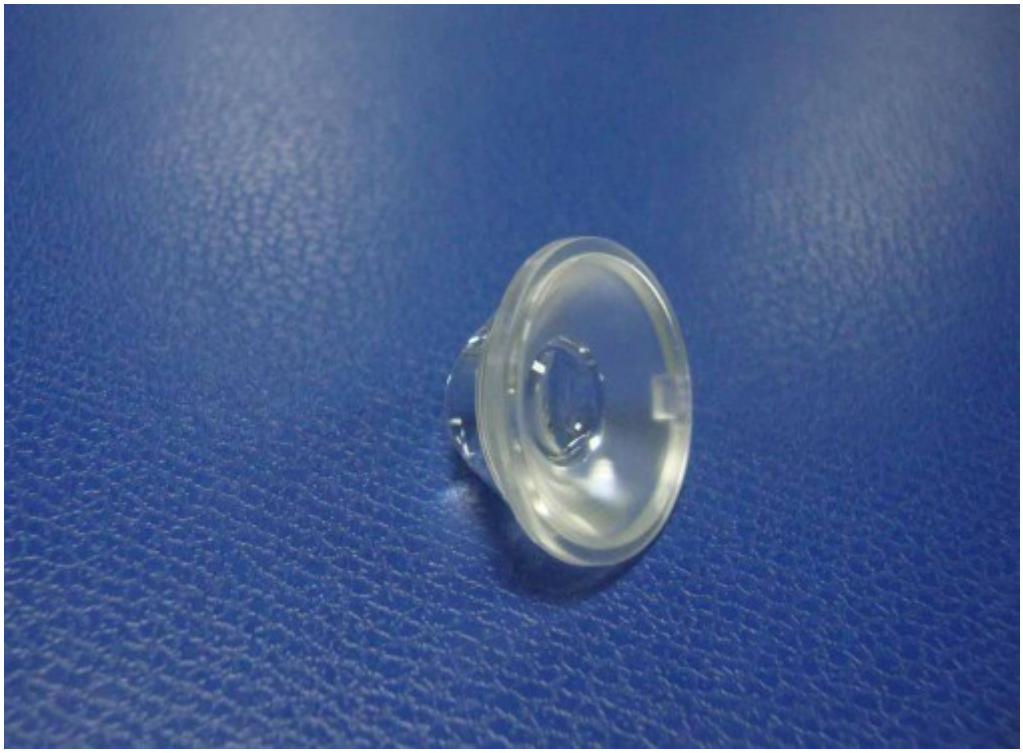
NEOSVET Secondary optics for LED

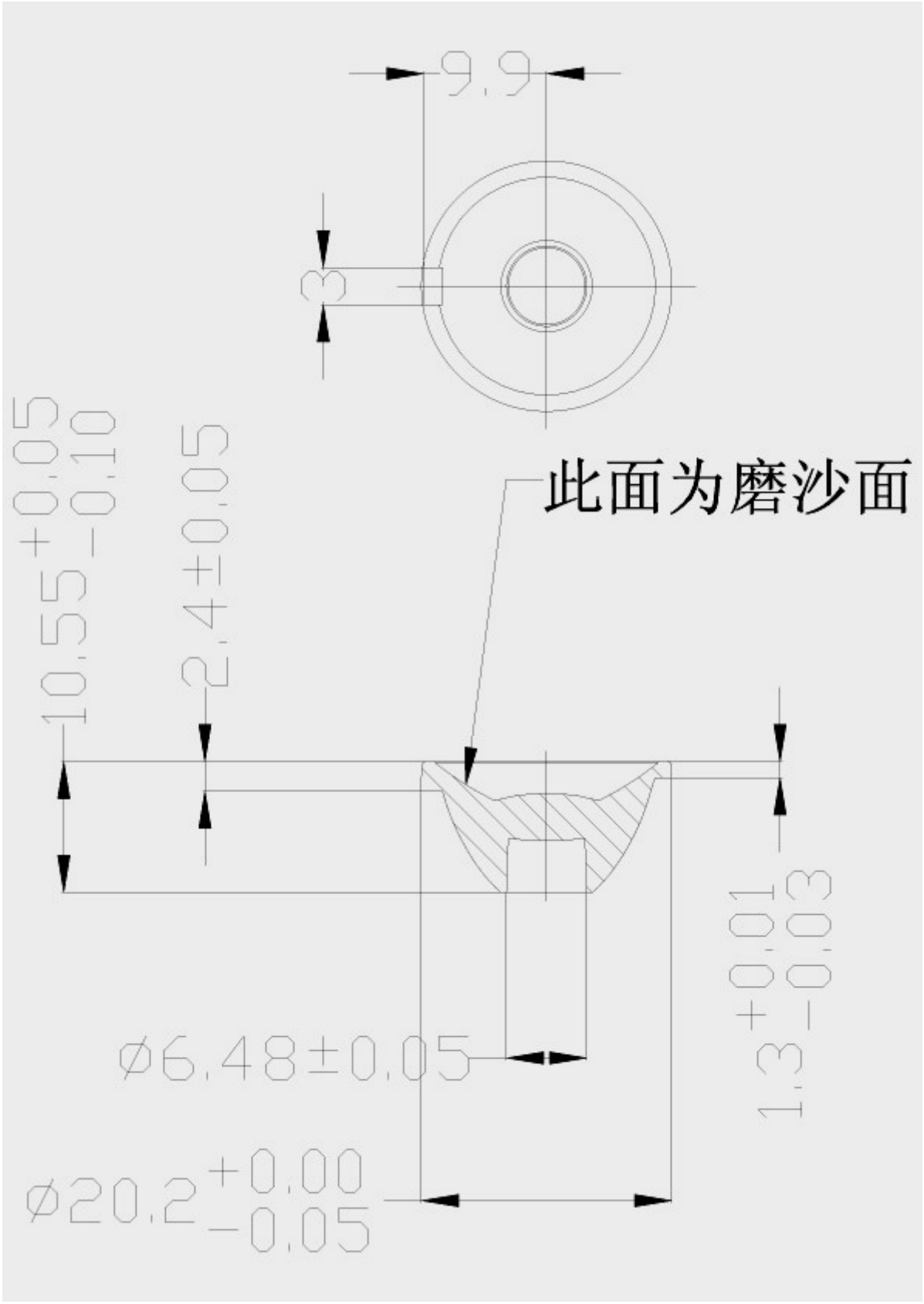


Type:NSO-01MCE-28L-20.2x10.6
Diameter:Φ20.2mm
Height:10.6mm
Fov:28°
Material:Optical grade Acrylic plastic
Up to 89% efficiency
LED Series:MCE (CREE)

Applications:
Reading lights(car, bus, aircraft)
Portable (flashlight, bicycle)
Mini-accent/Decorative/Fiber Optics Alternative
Undershelf / Task Lighting
Indoor and Outdoor Commercial and Residential Architectural lighting

• Operating Temperature range -40°C ~ + 70°C (upper limit +80°C)
• Storage Temperature range -40°C ~ + 70°C (upper limit +80°C)
• Usage and Maintenance :
1. If necessary, clean lenses with mild soap, water and soft cloth
2. Never use any commercial cleaning solvents on lenses, like alcohol

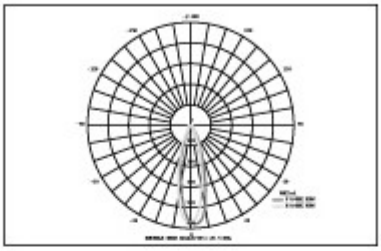
Lens dimensions and Top Views



Light Distribution Curve

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: NSO-01MCE-28L-20.2x10.6	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER:	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	CREE-MCE	Imax(cd)	621.0
NOMINAL POWER(W)	4	AVAILABILITY(%)	58.0
RATED VOLTAGE(V)	11.64	Avai. FLUX(lm)	181.4
NOMINAL FLUX(lm)	312.72	EFFICIENCY(%)	86.5
LAMPS INSIDE	1	TOTAL FLUX(lm)	270.6
TEST VOLTAGE(V)	11.64	· @50%(H,V)	28,29DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)																		· t	· a
90	0.04	0.10	0.16	0.21	0.25	0.28	0.30	0.31	0.31	0.32	0.33	0.33	0.31	0.28	0.22	0.16	0.09	0.03	4.03	0.00
80	0.04	0.11	0.18	0.23	0.27	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.30	0.28	0.23	0.17	0.10	0.03	4.08	0.00
70	0.04	0.11	0.18	0.22	0.25	0.27	0.28	0.28	0.28	0.27	0.27	0.26	0.25	0.23	0.21	0.16	0.10	0.03	3.68	0.00
60	0.04	0.11	0.17	0.20	0.23	0.25	0.26	0.28	0.30	0.31	0.30	0.27	0.23	0.21	0.18	0.15	0.10	0.03	3.61	0.00
50	0.04	0.11	0.16	0.19	0.21	0.26	0.38	0.53	0.62	0.64	0.58	0.45	0.30	0.21	0.17	0.14	0.10	0.03	5.11	0.00
40	0.04	0.11	0.15	0.18	0.23	0.41	0.73	1.02	1.22	1.24	1.07	0.80	0.51	0.27	0.17	0.13	0.09	0.03	8.40	0.00
30	0.04	0.11	0.14	0.18	0.29	0.65	1.14	1.90	2.87	3.09	2.27	1.26	0.74	0.39	0.18	0.13	0.09	0.03	15.5	8.18
20	0.04	0.11	0.14	0.18	0.38	0.85	1.74	4.28	7.22	8.14	5.54	2.40	0.97	0.48	0.21	0.12	0.09	0.03	32.9	28.1
10	0.04	0.11	0.14	0.18	0.43	0.97	2.46	6.66	13.4	15.7	9.29	3.73	1.19	0.54	0.23	0.12	0.09	0.03	55.3	51.1
0	0.04	0.11	0.14	0.18	0.43	0.97	2.46	6.85	14.0	16.6	9.58	3.75	1.19	0.54	0.23	0.12	0.09	0.03	57.3	53.1
-10	0.04	0.11	0.14	0.18	0.37	0.84	1.76	4.42	8.16	9.20	5.80	2.41	0.95	0.47	0.21	0.12	0.09	0.03	35.3	30.5
-20	0.04	0.11	0.14	0.17	0.28	0.63	1.13	2.05	3.42	3.65	2.40	1.23	0.70	0.38	0.18	0.13	0.09	0.03	16.8	10.3
-30	0.04	0.11	0.14	0.17	0.22	0.39	0.71	1.03	1.28	1.29	1.06	0.75	0.48	0.27	0.17	0.13	0.09	0.03	8.36	0.00
-40	0.04	0.11	0.15	0.18	0.20	0.24	0.37	0.56	0.69	0.70	0.60	0.45	0.30	0.21	0.17	0.14	0.09	0.03	5.23	0.00
-50	0.04	0.11	0.16	0.19	0.20	0.23	0.25	0.29	0.33	0.34	0.31	0.27	0.24	0.21	0.18	0.15	0.10	0.03	3.62	0.00
-60	0.04	0.10	0.16	0.20	0.22	0.24	0.26	0.27	0.27	0.28	0.27	0.27	0.25	0.24	0.20	0.16	0.10	0.03	3.54	0.00
-70	0.04	0.10	0.15	0.19	0.21	0.25	0.28	0.30	0.31	0.31	0.32	0.31	0.30	0.27	0.22	0.16	0.09	0.03	3.85	0.00
-80	0.04	0.09	0.14	0.16	0.18	0.23	0.28	0.33	0.36	0.38	0.37	0.35	0.31	0.27	0.21	0.15	0.09	0.03	3.97	0.00
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)		20	30	40	50	60	70	80	90		
· t	0.69	1.92	2.74	3.38	4.84	8.25	15.1	31.7	55.4	62.8	40.6	19.6	9.55	5.74	3.56	2.54	1.67	0.56	271	---
· a	0.00	0.00	0.00	0.00	0.00	0.00	6.03	24.6	48.6	56.2	33.8	11.7	0.43	0.00	0.00	0.00	0.00	0.00	---	181

H( ) Range:-90 - 90DEG
H( ) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2009-10-08

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-SPEC316 SYSTEM V1.0.254
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: