

## **CESP Product IES Data**

Company: Shenzhen Cesp Co., Ltd

Date: 07.07.2015  
Operator:

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e-Mail

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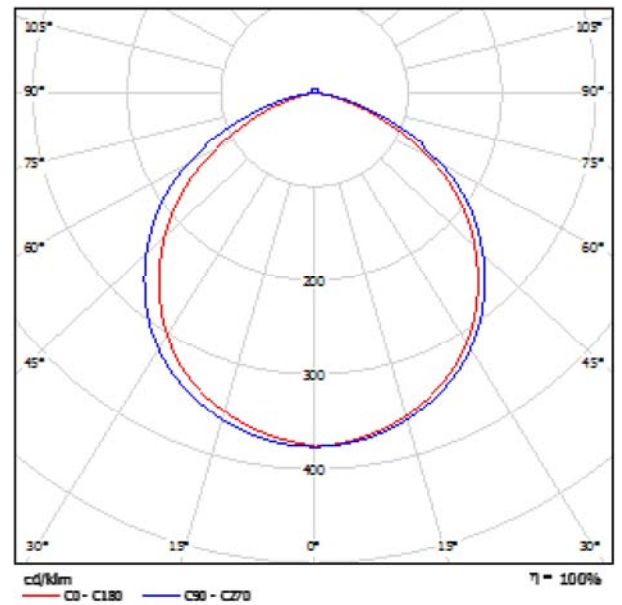
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## Shenzhen Cesp Co., Ltd 40W / Luminaire Data Sheet

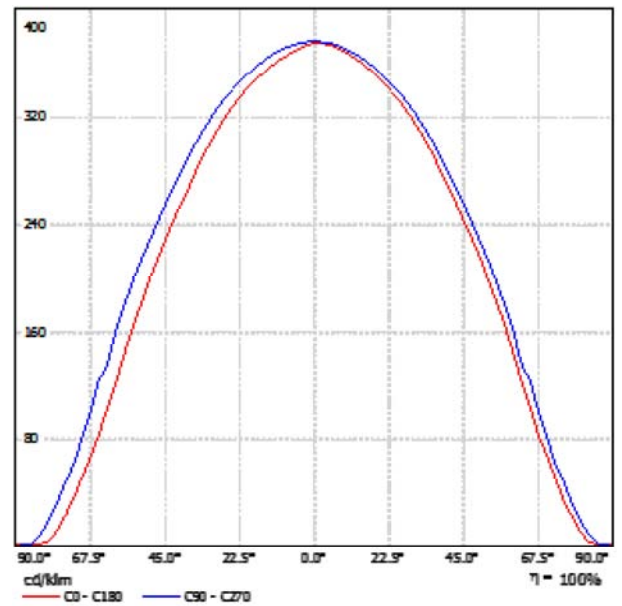
See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 98  
CIE flux code: 51 85 98 98 100

Luminous emittance 1:



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## Shenzhen Cesp Co., Ltd 40W / Luminous intensity table

Luminaire: Shenzhen Cesp Co., Ltd 40W  
 Lamps: 1 x CES-J40

Gamma	C 0°	C 15°	C 30°	C 45°	C 60°	C 75°	C 90°	C 105°	C 120°	C 135°
0.0°	376	376	376	376	376	376	376	376	376	376
5.0°	373	374	375	373	371	373	375	373	371	373
10.0°	368	370	372	368	364	367	370	367	364	367
15.0°	359	362	366	360	355	359	363	358	353	358
20.0°	348	352	356	350	343	348	353	347	341	347
25.0°	334	339	344	336	328	334	340	332	325	332
30.0°	317	323	330	320	310	317	325	315	305	315
35.0°	296	304	311	299	288	296	305	293	282	293
40.0°	271	280	290	275	261	271	281	269	256	268
45.0°	243	253	264	248	232	244	256	242	229	242
50.0°	215	224	234	217	201	214	227	211	194	210
55.0°	182	192	203	185	167	182	196	175	153	173
60.0°	143	156	169	148	127	144	160	140	120	135
65.0°	104	117	130	109	88	107	125	104	83	104
70.0°	68	81	94	77	59	71	82	66	50	64
75.0°	35	47	60	44	27	38	49	36	22	35
80.0°	12	20	29	16	4.24	12	20	12	3.59	12
85.0°	2.03	3.97	5.92	3.72	1.53	2.26	2.99	2.29	1.60	2.19
90.0°	1.59	1.37	1.15	1.42	1.68	1.49	1.29	1.54	1.78	1.55

Values in cd/klm

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## Shenzhen Cesp Co., Ltd 40W / Luminous intensity table

Luminaire: Shenzhen Cesp Co., Ltd 40W

Lamps: 1 x CES-J40

<b>Gamma</b>	<b>C 150°</b>	<b>C 165°</b>	<b>C 180°</b>	<b>C 195°</b>	<b>C 210°</b>	<b>C 225°</b>	<b>C 240°</b>	<b>C 255°</b>	<b>C 270°</b>	<b>C 285°</b>
<b>0.0°</b>	376	376	376	376	376	376	376	376	376	376
<b>5.0°</b>	375	373	371	373	375	373	371	373	375	373
<b>10.0°</b>	370	367	364	367	370	367	364	367	370	367
<b>15.0°</b>	363	359	354	359	363	358	353	358	363	359
<b>20.0°</b>	353	348	343	348	353	347	341	347	353	348
<b>25.0°</b>	340	334	328	334	340	332	325	332	340	334
<b>30.0°</b>	325	316	308	316	325	315	305	315	325	317
<b>35.0°</b>	304	295	285	295	304	293	282	293	305	296
<b>40.0°</b>	280	269	257	269	280	268	256	269	281	271
<b>45.0°</b>	255	242	229	242	255	242	229	242	256	244
<b>50.0°</b>	226	212	198	212	226	210	194	211	227	214
<b>55.0°</b>	193	178	163	178	193	173	153	175	196	182
<b>60.0°</b>	150	136	121	136	150	135	120	140	160	144
<b>65.0°</b>	126	105	84	105	126	104	83	104	125	107
<b>70.0°</b>	78	65	53	65	78	64	50	66	82	71
<b>75.0°</b>	49	36	24	36	49	35	22	36	49	38
<b>80.0°</b>	20	12	4.88	12	20	12	3.59	12	20	12
<b>85.0°</b>	2.79	2.18	1.57	2.18	2.79	2.19	1.60	2.29	2.99	2.26
<b>90.0°</b>	1.31	1.52	1.73	1.52	1.31	1.55	1.78	1.54	1.29	1.49

Values in cd/klm

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## Shenzhen Cesp Co., Ltd 40W / Luminous intensity table

Luminaire: Shenzhen Cesp Co., Ltd 40W  
 Lamps: 1 x CES-J40

<b>Gamma</b>	<b>C 300°</b>	<b>C 315°</b>	<b>C 330°</b>	<b>C 345°</b>	<b>C 360°</b>
<b>0.0°</b>	376	376	376	376	376
<b>5.0°</b>	371	373	375	374	373
<b>10.0°</b>	364	368	372	370	368
<b>15.0°</b>	355	360	366	362	359
<b>20.0°</b>	343	350	356	352	348
<b>25.0°</b>	328	336	344	339	334
<b>30.0°</b>	310	320	330	323	317
<b>35.0°</b>	288	299	311	304	296
<b>40.0°</b>	261	275	290	280	271
<b>45.0°</b>	232	248	264	253	243
<b>50.0°</b>	201	217	234	224	215
<b>55.0°</b>	167	185	203	192	182
<b>60.0°</b>	127	148	169	156	143
<b>65.0°</b>	88	109	130	117	104
<b>70.0°</b>	59	77	94	81	68
<b>75.0°</b>	27	44	60	47	35
<b>80.0°</b>	4.24	16	29	20	12
<b>85.0°</b>	1.53	3.72	5.92	3.97	2.03
<b>90.0°</b>	1.68	1.42	1.15	1.37	1.59

Values in cd/klm

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## Shenzhen Cesp Co., Ltd 40W / Luminance Table

Luminaire: Shenzhen Cesp Co., Ltd 40W  
 Lamps: 1 x CES-J40

Gamma	C 0°	C 15°	C 30°	C 45°	C 60°	C 75°	C 90°	C 105°	C 120°	C 135°
0.0°	153670	153679	153687	153692	153696	153705	153713	153721	153730	153688
5.0°	140780	138650	137485	136214	135968	138141	141306	138045	135777	135986
10.0°	129547	126071	124270	122173	121750	125249	130508	125143	121541	121810
15.0°	119674	115306	113139	110464	109877	114268	121014	114019	109394	109828
20.0°	110918	105885	103449	100387	99677	104634	112405	104239	98915	99508
25.0°	102664	97258	94729	91314	90407	95876	104526	95320	89340	90236
30.0°	94703	89279	86902	82959	81598	87593	97068	86903	80281	81681
35.0°	86744	81486	79350	75011	73258	79460	89328	78722	71858	73452
40.0°	78497	73682	71960	67068	64703	71131	81340	70597	63695	65411
45.0°	70163	65743	64326	59282	56652	63312	73833	62938	55949	57928
50.0°	62235	57900	56476	51393	48557	55261	65808	54428	46997	49711
55.0°	53275	49760	48877	43529	40210	47015	57593	45233	36889	40782
60.0°	42793	40780	40898	34958	30752	37574	47968	36754	29230	32051
65.0°	32060	31198	31929	26146	21738	28462	38485	27714	20356	24974
70.0°	21744	22207	23644	18699	14795	19307	26211	18035	12458	15642
75.0°	11716	13440	15464	10952	7087	10808	16314	10070	5738	8919
80.0°	4169	5988	7698	4285	1139	3614	7116	3519	965	3081
85.0°	765	1241	1669	1016	430	705	1126	716	451	599

Values in Candela/m<sup>2</sup>.

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## Shenzhen Cesp Co., Ltd 40W / Luminance Table

Luminaire: Shenzhen Cesp Co., Ltd 40W  
 Lamps: 1 x CES-J40

<b>Gamma</b>	<b>C 150°</b>	<b>C 165°</b>	<b>C 180°</b>	<b>C 195°</b>	<b>C 210°</b>	<b>C 225°</b>	<b>C 240°</b>	<b>C 255°</b>	<b>C 270°</b>	<b>C 285°</b>
<b>0.0°</b>	153645	153645	153645	153645	153645	153688	153730	153721	153713	153705
<b>5.0°</b>	137218	138006	139744	138006	137218	135986	135777	138045	141306	138141
<b>10.0°</b>	123748	125143	128180	125143	123748	121810	121541	125143	130508	125249
<b>15.0°</b>	112338	114136	118085	114136	112338	109828	109394	114019	121014	114268
<b>20.0°</b>	102433	104555	109213	104555	102433	99508	98915	104239	112405	104634
<b>25.0°</b>	93610	95734	100647	95734	93610	90236	89340	95320	104526	95876
<b>30.0°</b>	85622	87360	92001	87360	85622	81681	80281	86903	97068	87593
<b>35.0°</b>	77579	79063	83489	79063	77579	73452	71858	78722	89328	79460
<b>40.0°</b>	69592	70630	74531	70630	69592	65411	63695	70597	81340	71131
<b>45.0°</b>	62267	62800	66050	62800	62267	57928	55949	62938	73833	63312
<b>50.0°</b>	54598	54680	57261	54680	54598	49711	46997	54428	65808	55261
<b>55.0°</b>	46576	46044	47658	46044	46576	40782	36889	45233	57593	47015
<b>60.0°</b>	36462	35555	36320	35555	36462	32051	29230	36754	47968	37574
<b>65.0°</b>	30905	27916	25769	27916	30905	24974	20356	27714	38485	28462
<b>70.0°</b>	19697	17911	16742	17911	19697	15642	12458	18035	26211	19307
<b>75.0°</b>	12626	10296	7970	10296	12626	8919	5738	10070	16314	10808
<b>80.0°</b>	5389	3688	1719	3688	5389	3081	965	3519	7116	3614
<b>85.0°</b>	787	681	593	681	787	599	451	716	1126	705

Values in Candela/m<sup>2</sup>.



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## Shenzhen Cesp Co., Ltd 40W / Luminance Table

Luminaire: Shenzhen Cesp Co., Ltd 40W  
 Lamps: 1 x CES-J40

<b>Gamma</b>	<b>C 300°</b>	<b>C 315°</b>	<b>C 330°</b>	<b>C 345°</b>	<b>C 360°</b>
<b>0.0°</b>	153696	153692	153687	153679	153670
<b>5.0°</b>	135968	136214	137485	138650	140780
<b>10.0°</b>	121750	122173	124270	126071	129547
<b>15.0°</b>	109877	110464	113139	115306	119674
<b>20.0°</b>	99677	100387	103449	105885	110918
<b>25.0°</b>	90407	91314	94729	97258	102664
<b>30.0°</b>	81598	82959	86902	89279	94703
<b>35.0°</b>	73258	75011	79350	81486	86744
<b>40.0°</b>	64703	67068	71960	73682	78497
<b>45.0°</b>	56652	59282	64326	65743	70163
<b>50.0°</b>	48557	51393	56476	57900	62235
<b>55.0°</b>	40210	43529	48877	49760	53275
<b>60.0°</b>	30752	34958	40898	40780	42793
<b>65.0°</b>	21738	26146	31929	31198	32060
<b>70.0°</b>	14795	18699	23644	22207	21744
<b>75.0°</b>	7087	10952	15464	13440	11716
<b>80.0°</b>	1139	4285	7698	5988	4169
<b>85.0°</b>	430	1016	1669	1241	765

Values in Candela/m<sup>2</sup>.

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**Shenzhen Cesp Co., Ltd 40W / Data sheet emergency lighting**

Luminaire: Shenzhen Cesp Co., Ltd 40W

Lamps: 1 x CES-J40

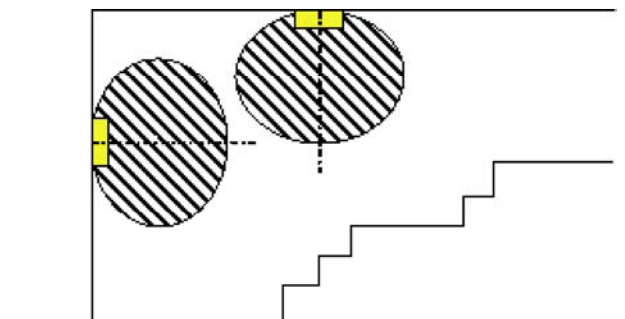
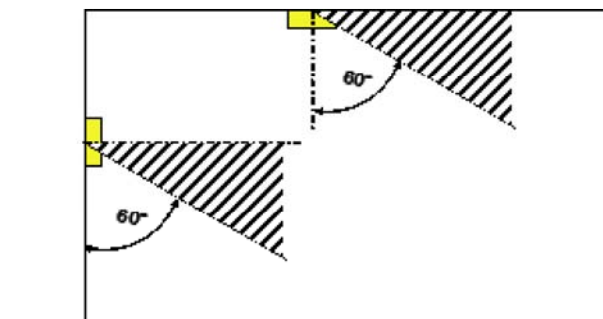
Color rendering index: 0

Luminous flux: 4084 lm  
Correction Factor: 1.000  
Emergency lighting factor: 1.00  
Emergency lighting luminous flux: 4084 lm






Light output ratio: 99.97  
Light output ratio (lower hemisphere): 97.92  
Light output ratio (upper hemisphere): 2.08

Glare valuation (Maximum luminous intensity [cd])

	C0	C90	C0 - C360
Gamma 60° - 90°	584.6	655.3	688.3
Gamma 0° - 180°	1536.7	1537.1	1537.3



Distance table for even escape routes

Mounting Height [m]					
2.00	4.29	9.43	9.88	10.10	4.49
2.50	5.36	11.78	12.35	12.63	5.62
3.00	6.43	14.14	14.82	15.15	6.74
3.50	7.51	16.50	17.29	17.68	7.86
4.00	8.58	18.85	19.76	20.20	8.98

The spacing table is based on the following parameters:

- Light loss factor: 0.72
- Emergency lighting factor: 1.00
- Minimum illuminance on center line: 1.00 lx
- Minimum illuminance on half of escape route width: 0.50 lx
- Diversity on the center line max. 40 : 1
- Width of escape route: 2.00 m