

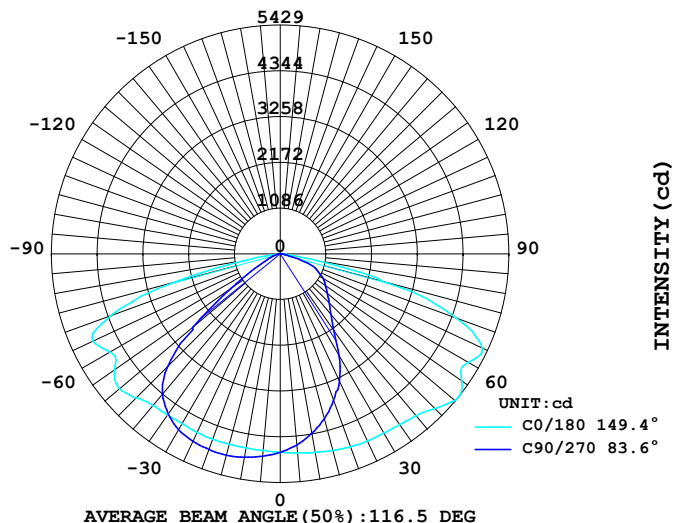
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

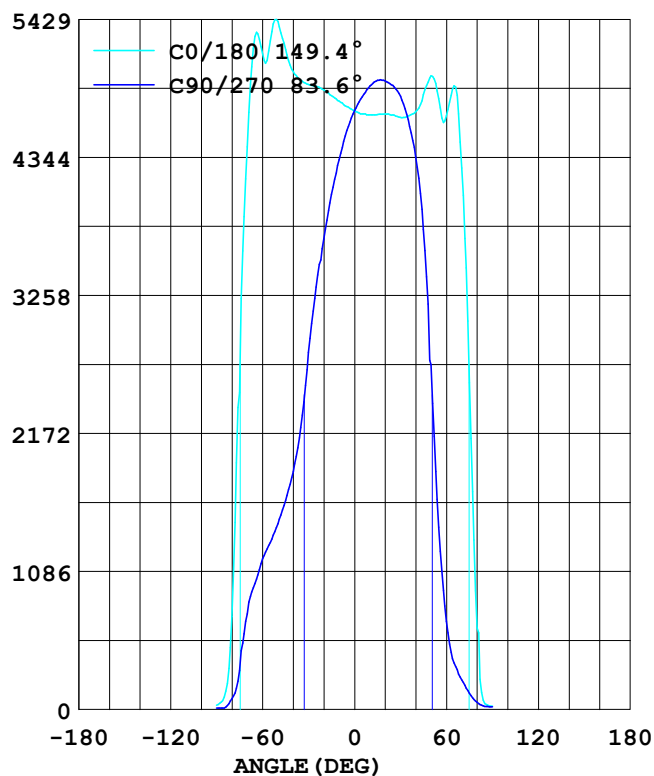
MANUFACTURER: Red Arrow Electrical Ltd			
Address:			
NAME: ORN100-T3-N3-740		TYPE: 4000K/5700K	WEIGHT:
SPECIFICATION: 3030 LED	CCT (K) : 0	DIMENSION: T3	SERIAL No. :

DATA OF LAMP		Imax (cd)	5429	S/MH (C0/180)	1.61
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.98
NOMINAL POWER (W)	100	TOTAL FLUX (lm)	14904	Voltage (V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	148.6	Current (A)	473.0
NOMINAL FLUX (lm)	14904.3	η up (%)	0.0	Power (W)	100.3
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.920
TEST VOLTAGE (V)	230.5	Effective Flux (lm)	14904.3	EEL	0.101

LUMINOUS INTENSITY DISTRIBUTION



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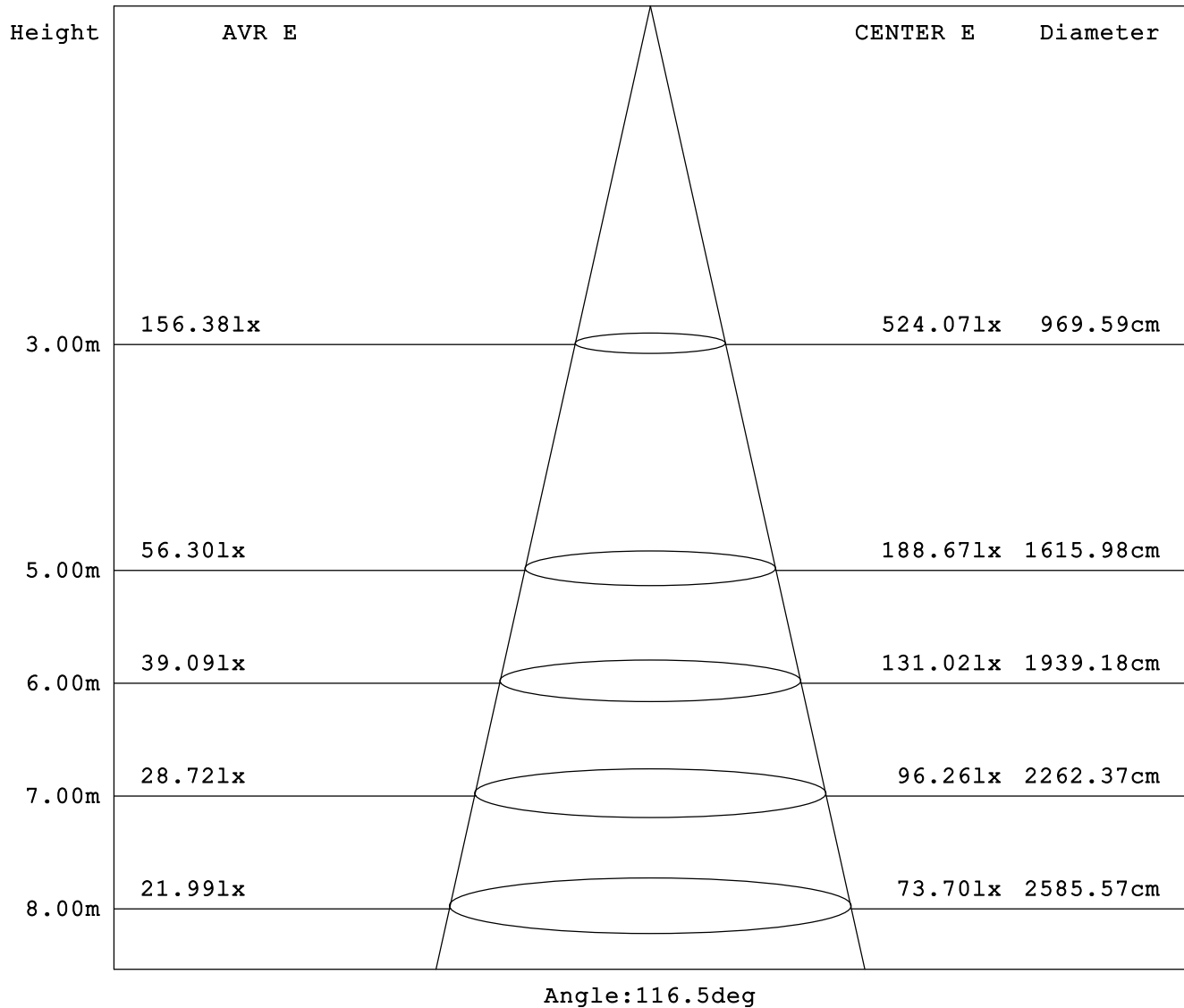
Test System:HOPOO
Temperature:25.3DEG
Operators:
Test Date:2022.08.18

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

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SPECIFICATION: 3030 LED	CCT (K) : 0	DIMENSION: T3	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	4743	4627	4554	4592	4686	4770	4818	4812	0- 5	112.5	112.5
10.0	4787	4519	4326	4456	4678	4822	4904	4895	5- 10	335.3	447.8
15.0	4829	4393	4054	4300	4681	4867	4949	4965	10- 15	551.8	999.6
20.0	4873	4232	3702	4120	4686	4892	4945	5014	15- 20	757.5	1757
25.0	4901	4031	3324	3897	4677	4897	4909	5030	20- 25	946.4	2704
30.0	4918	3787	2809	3634	4658	4881	4823	5026	25- 30	1112	3815
35.0	4949	3507	2217	3349	4671	4837	4639	4984	30- 35	1247	5063
40.0	5018	3082	1872	2922	4702	4746	4348	4887	35- 40	1350	6413
45.0	5191	2796	1647	2619	4836	4587	3776	4709	40- 45	1420	7833
50.0	5413	2574	1462	2415	4986	4290	2712	4394	45- 50	1462	9295
55.0	5259	2335	1315	2133	4805	3542	1435	3556	50- 55	1418	10712
60.0	5156	1981	1188	1775	4670	2556	693.3	2588	55- 60	1252	11964
65.0	5295	1572	990.9	1365	4907	1956	366.8	1915	60- 65	1106	13070
70.0	4426	1125	752.2	933.5	4259	1147	232.1	1026	65- 70	928.7	13999
75.0	2495	536.4	307.3	482.8	2570	285.3	127.9	221.7	70- 75	582.6	14582
80.0	730.5	199.4	83.86	176.9	640.1	97.12	56.63	94.70	75- 80	242.9	14825
85.0	96.12	63.31	11.49	56.58	47.72	34.82	24.85	35.42	80- 85	61.79	14887
90.0	33.56	26.88	11.83	23.52	27.15	22.40	20.28	20.32	85- 90	17.59	14904
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

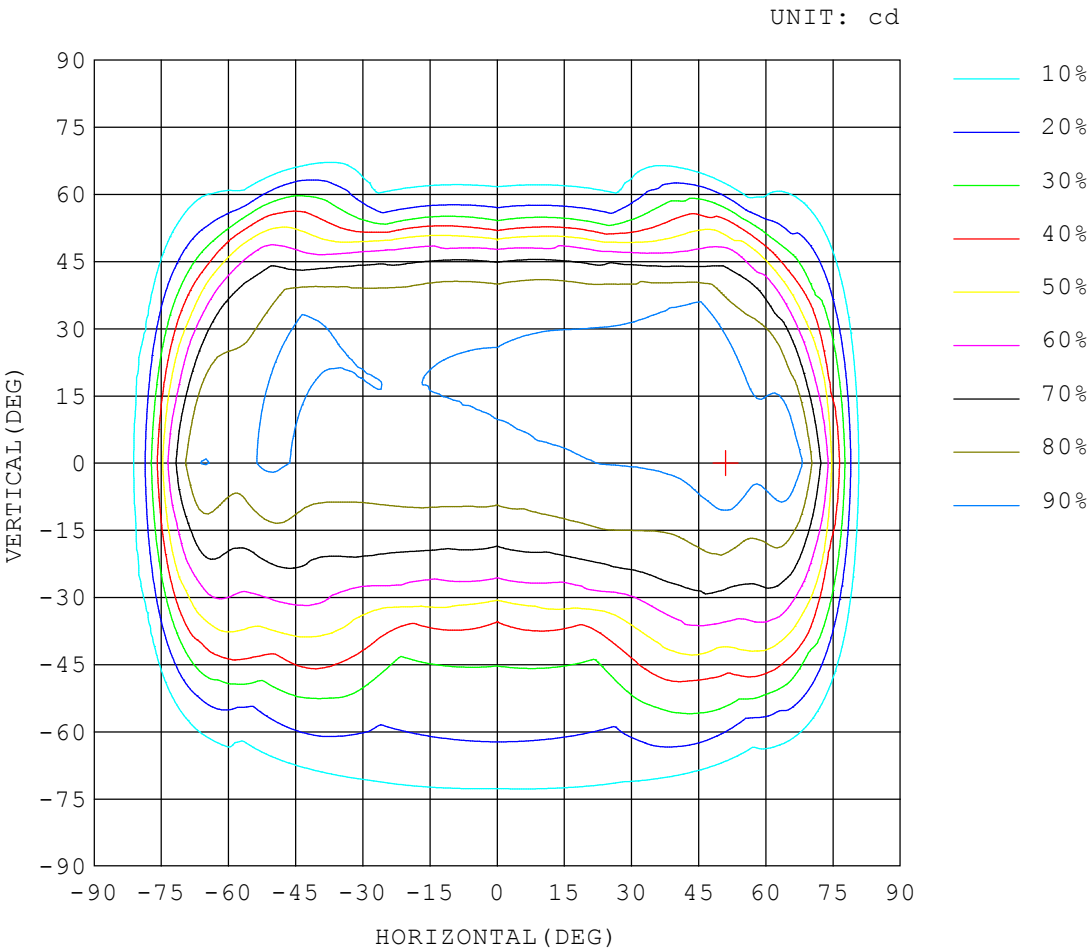
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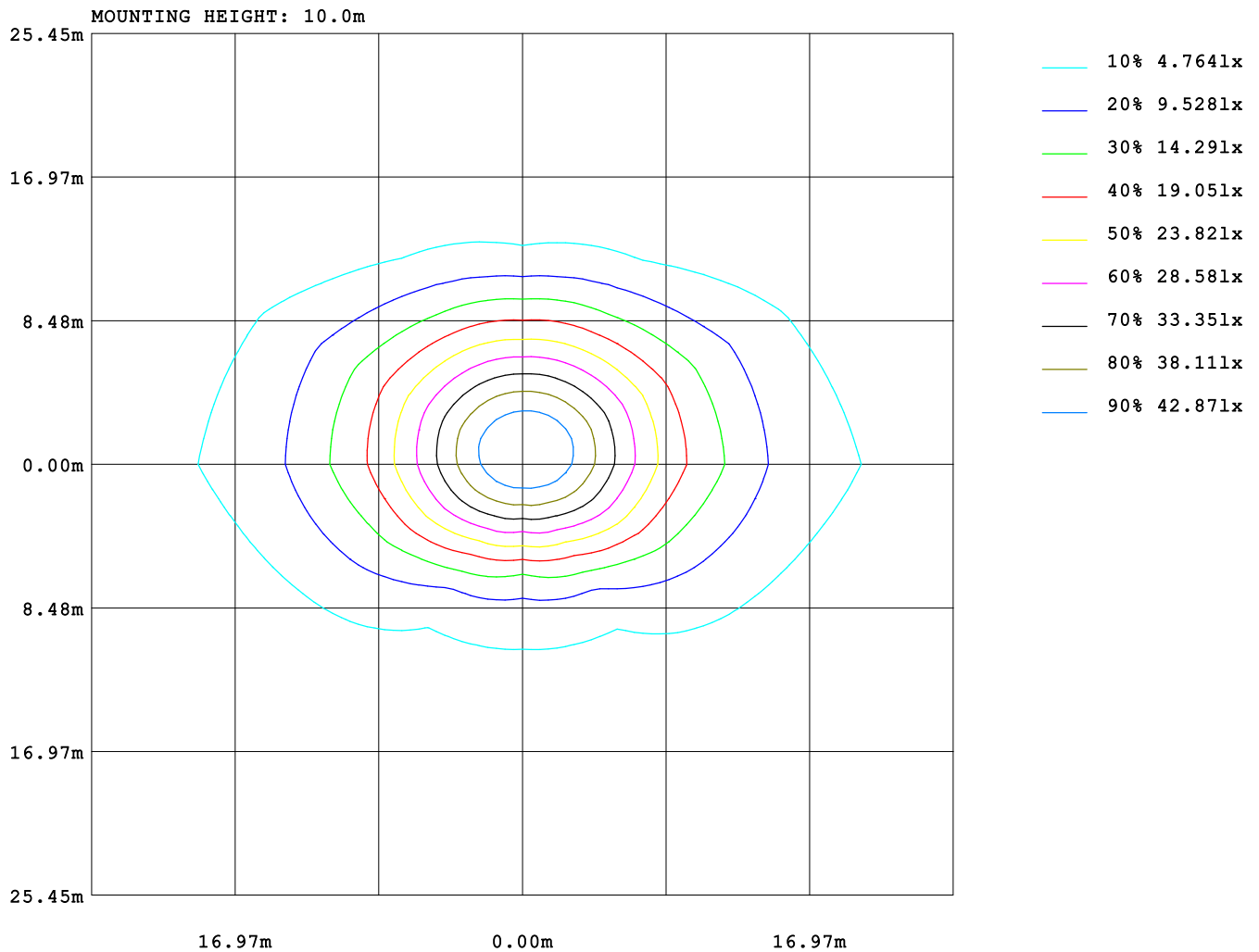
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Temperature:25.3DEG
Operators:
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ISOLUX DIAGRAM

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION: 3030 LED	CCT (K) : 0	DIMENSION: T3	SERIAL No. :

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	4711	4711	4711	4711	4711	4711	4711	4711	4711	4711	4711	4711
5.0	4743	4665	4590	4554	4566	4618	4686	4751	4790	4818	4822	4802
10.0	4787	4618	4420	4326	4386	4527	4678	4789	4855	4904	4904	4885
15.0	4829	4561	4225	4054	4169	4432	4681	4835	4899	4949	4966	4964
20.0	4873	4496	3969	3702	3908	4332	4686	4869	4914	4945	4996	5031
25.0	4901	4417	3646	3324	3588	4207	4677	4889	4904	4909	4986	5075
30.0	4918	4308	3267	2809	3201	4067	4658	4898	4864	4823	4945	5107
35.0	4949	4159	2856	2217	2797	3901	4671	4907	4768	4639	4844	5124
40.0	5018	3985	2180	1872	2142	3701	4702	4917	4576	4348	4633	5141
45.0	5191	3807	1786	1647	1746	3491	4836	4962	4212	3776	4239	5178
50.0	5413	3611	1538	1462	1505	3325	4986	4977	3604	2712	3615	5173
55.0	5259	3332	1339	1315	1312	2954	4805	4763	2322	1435	2181	4932
60.0	5156	2797	1166	1188	1149	2402	4670	4112	1002	693	986	4190
65.0	5295	2165	980	991	962	1769	4907	3482	431	367	433	3397
70.0	4426	1493	757	752	749	1119	4259	2053	242	232	244	1807
75.0	2495	640	433	307	412	554	2570	440	131	128	131	312
80.0	731	236	163	83.8	149	205	640	136	58.4	56.6	59.5	130
85.0	96.1	73.2	53.3	11.4	49.4	63.7	47.7	51.7	17.9	24.8	17.8	52.9
90.0	33.5	27.9	25.8	11.8	24.4	22.6	27.1	30.2	14.5	20.2	13.8	26.8

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