

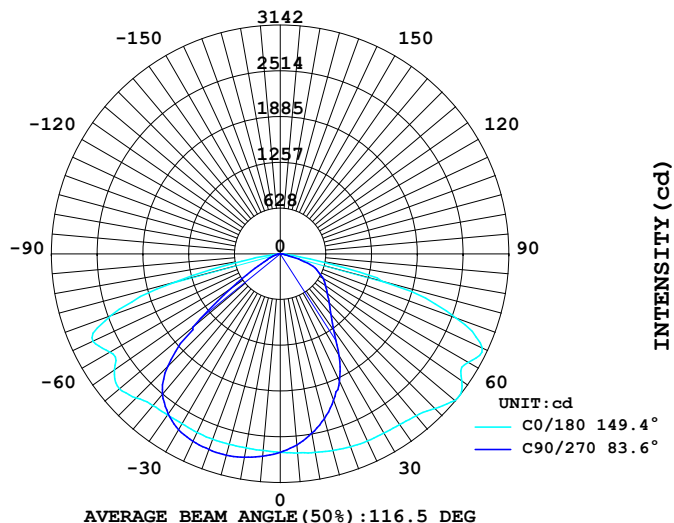
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

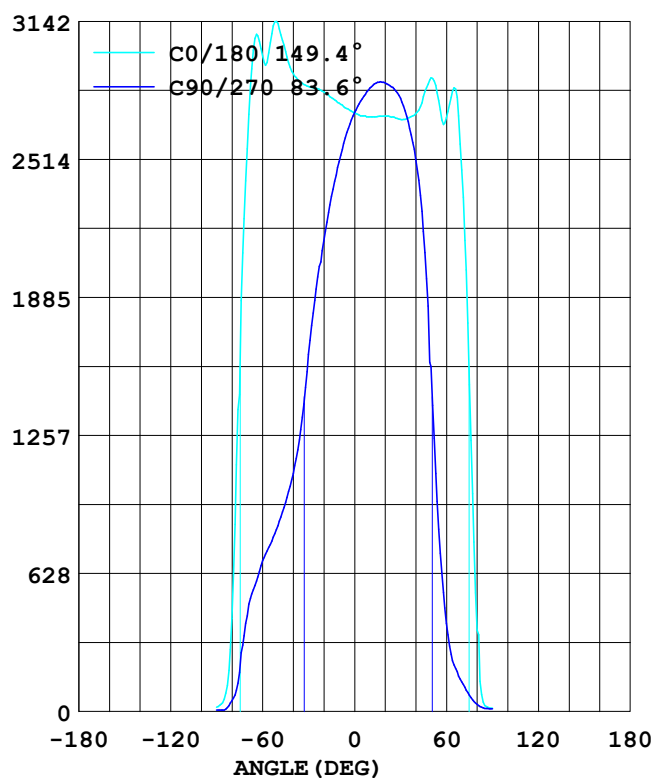
MANUFACTURER: Red Arrow Electrical Ltd			
Address:			
NAME: ORN60-T3-N3-740		TYPE: 4000K/5700K	WEIGHT:
SPECIFICATION: 3030 LED	CCT (K) : 0	DIMENSION: T3	SERIAL No.:

DATA OF LAMP		Imax (cd)	3142	S/MH (C0/180)	1.61
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.98
NOMINAL POWER (W)	60	TOTAL FLUX (lm)	8626.2	Voltage (V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	148.1	Current (A)	0.274
NOMINAL FLUX (lm)	8626.3	$\eta$ up (%)	0.0	Power (W)	58.25
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.920
TEST VOLTAGE (V)	230.5	Effective Flux (lm)	8626.3	EEL	0.101

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



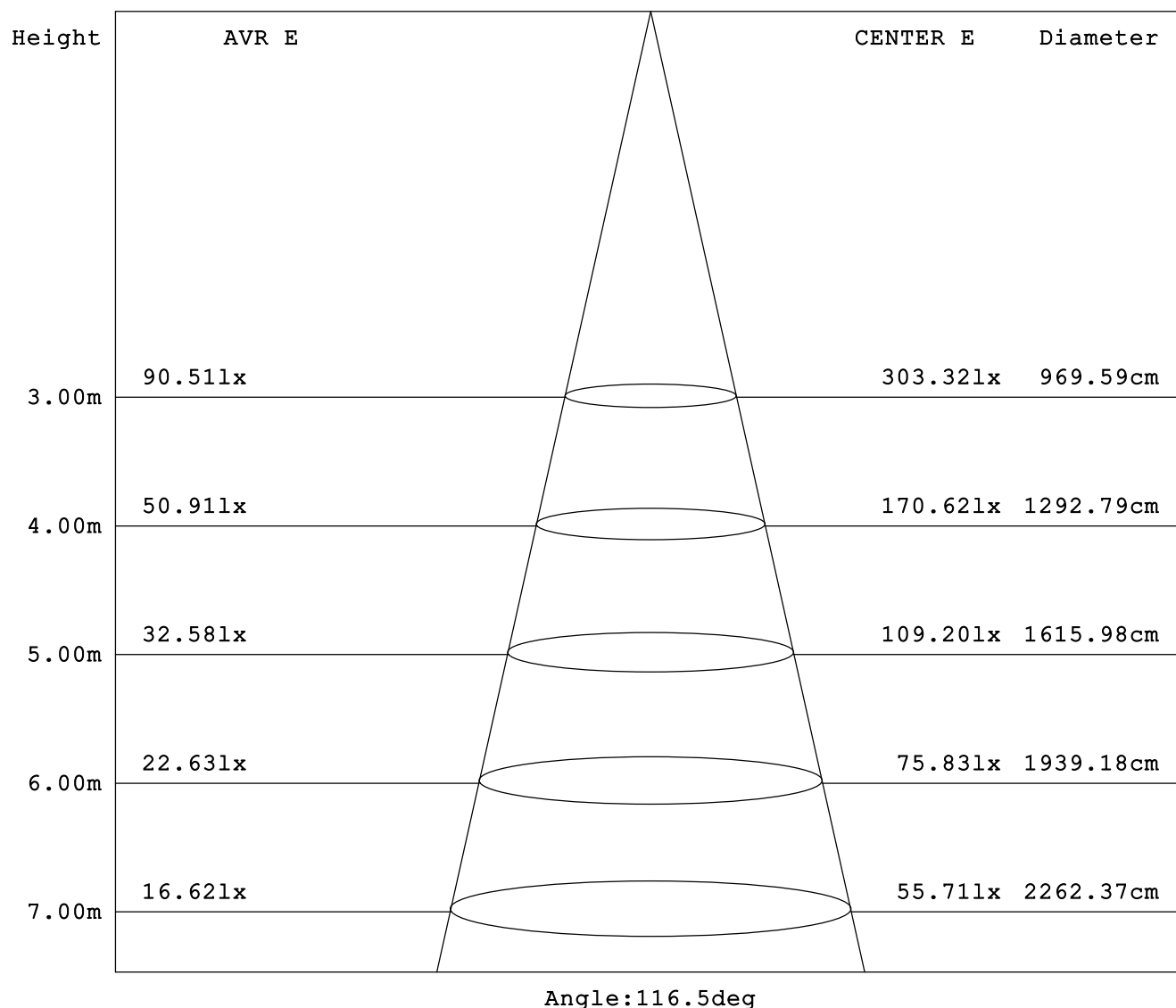
Test System: HOPOO  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2022.08.18

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Red Arrow Electrical Ltd			
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# ZONAL FLUX DIAGRAM

Report number:

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Address:			
NAME: ORN60-T3-N3-740		TYPE: 4000K/5700K	WEIGHT:
SPECIFICATION: 3030 LED	CCT (K): 0	DIMENSION: T3	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2745	2678	2636	2658	2712	2761	2788	2785	0- 5	65.11	65.11
10.0	2770	2615	2504	2579	2708	2791	2838	2833	5- 10	194.0	259.1
15.0	2795	2543	2346	2489	2709	2817	2864	2874	10- 15	319.4	578.5
20.0	2821	2449	2143	2385	2712	2831	2862	2902	15- 20	438.4	1017
25.0	2837	2333	1924	2256	2707	2834	2841	2912	20- 25	547.7	1565
30.0	2846	2192	1626	2103	2696	2825	2792	2909	25- 30	643.4	2208
35.0	2864	2030	1283	1939	2703	2800	2685	2885	30- 35	721.9	2930
40.0	2904	1784	1084	1691	2721	2747	2516	2829	35- 40	781.3	3712
45.0	3004	1619	953.1	1516	2799	2655	2186	2725	40- 45	821.8	4533
50.0	3133	1490	846.1	1398	2886	2483	1570	2543	45- 50	846.1	5380
55.0	3044	1351	760.8	1235	2781	2050	830.6	2058	50- 55	820.4	6200
60.0	2984	1147	687.3	1028	2703	1479	401.3	1498	55- 60	724.5	6925
65.0	3064	910.0	573.5	790.1	2840	1132	212.3	1108	60- 65	640.3	7565
70.0	2562	651.2	435.3	540.3	2465	663.7	134.3	593.6	65- 70	537.5	8102
75.0	1444	310.4	177.9	279.4	1487	165.1	74.07	128.3	70- 75	337.2	8440
80.0	422.8	115.4	48.53	102.4	370.5	56.21	32.78	54.81	75- 80	140.6	8580
85.0	55.63	36.64	6.654	32.75	27.62	20.15	14.38	20.50	80- 85	35.76	8616
90.0	19.42	15.55	6.849	13.61	15.71	12.96	11.74	11.76	85- 90	10.18	8626
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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Temperature:25.3DEG  
Operators:  
Test Date:2022.08.18

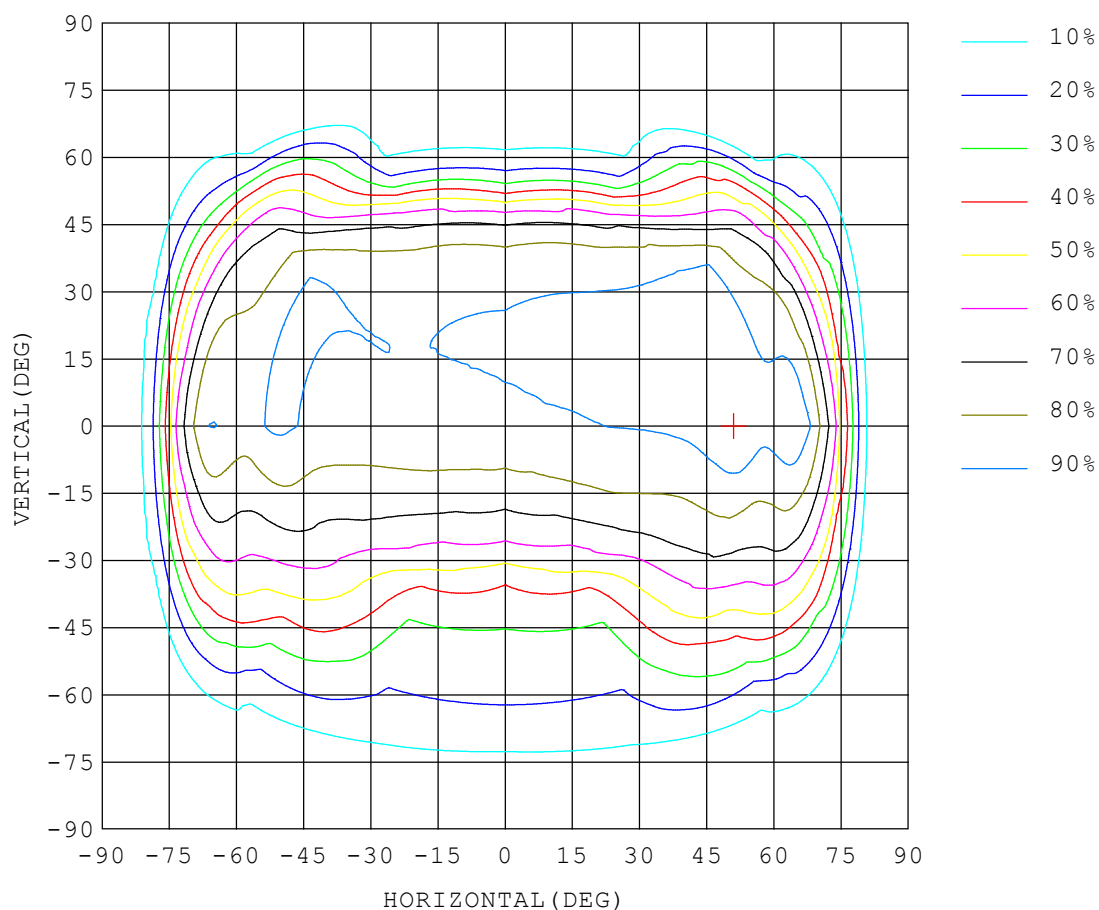
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

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

UNIT: cd



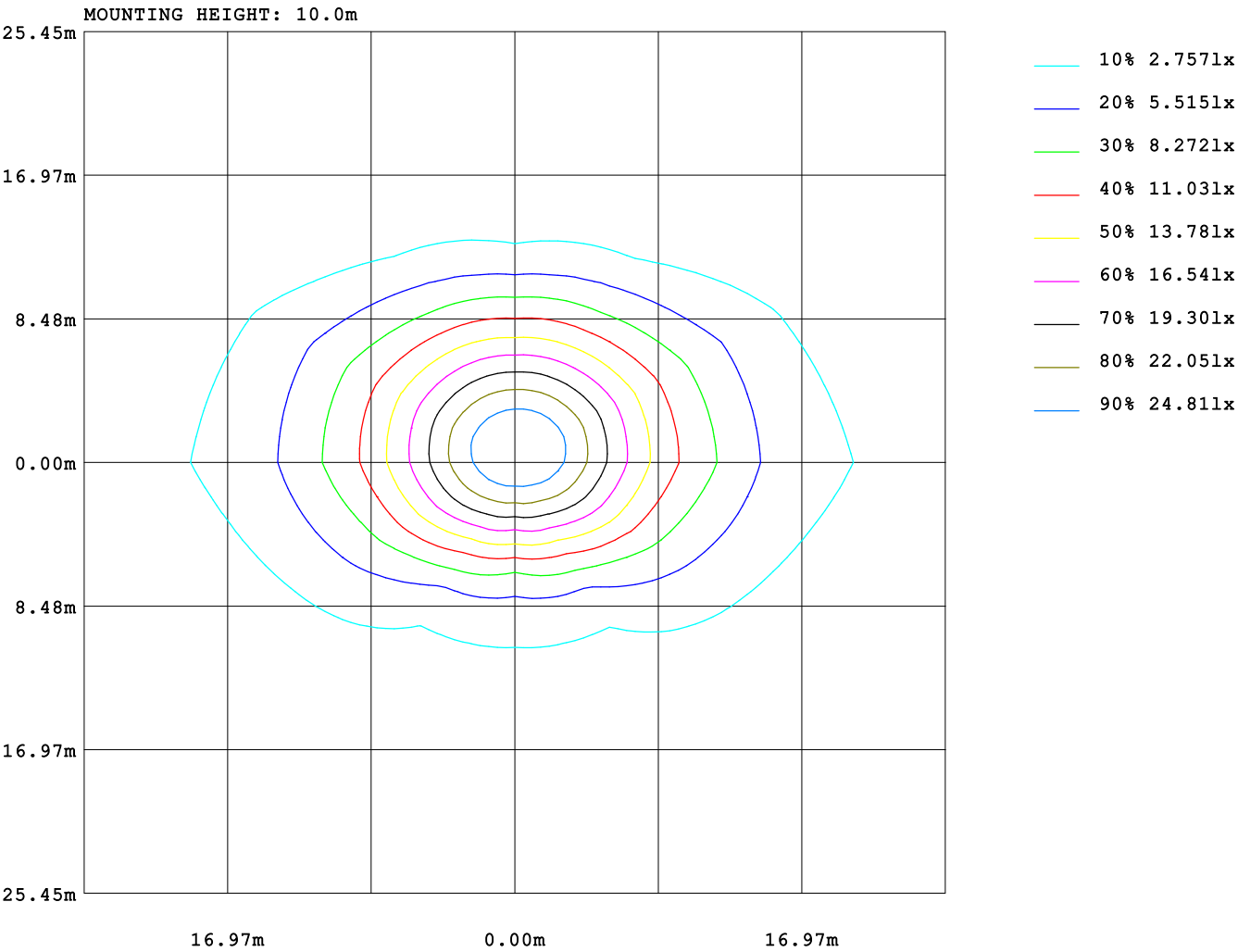
Test System:HOPOO  
Temperature:25.3DEG  
Operators:  
Test Date:2022.08.18

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

ISOLUX DIAGRAM

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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Red Arrow Electrical Ltd			
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NAME: ORN60-T3-N3-740		TYPE: 4000K/5700K	WEIGHT:
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	2726	2726	2726	2726	2726	2726	2726	2726	2726	2726	2726	2726
5.0	2745	2700	2657	2636	2642	2673	2712	2750	2772	2788	2791	2779
10.0	2770	2673	2558	2504	2539	2620	2708	2772	2810	2838	2838	2827
15.0	2795	2640	2445	2346	2413	2565	2709	2799	2835	2864	2874	2873
20.0	2821	2602	2297	2143	2262	2507	2712	2818	2844	2862	2892	2912
25.0	2837	2556	2110	1924	2076	2435	2707	2830	2839	2841	2886	2938
30.0	2846	2494	1891	1626	1853	2354	2696	2835	2815	2792	2862	2956
35.0	2864	2407	1653	1283	1619	2258	2703	2840	2760	2685	2804	2966
40.0	2904	2306	1262	1084	1240	2142	2721	2846	2649	2516	2682	2976
45.0	3004	2204	1034	953	1011	2020	2799	2872	2438	2186	2454	2997
50.0	3133	2090	890	846	871	1924	2886	2881	2086	1570	2092	2994
55.0	3044	1928	775	761	759	1710	2781	2757	1344	831	1262	2854
60.0	2984	1619	675	687	665	1390	2703	2380	580	401	571	2425
65.0	3064	1253	567	574	557	1024	2840	2015	249	212	251	1966
70.0	2562	864	438	435	433	647	2465	1188	140	134	141	1046
75.0	1444	370	251	178	238	321	1487	255	75.6	74.0	75.8	181
80.0	423	136	94.3	48.5	86.1	119	371	78.6	33.8	32.7	34.4	75.1
85.0	55.6	42.3	30.9	6.65	28.6	36.9	27.6	29.9	10.3	14.3	10.3	30.6
90.0	19.4	16.1	14.9	6.84	14.1	13.0	15.7	17.5	8.41	11.7	8.00	15.5

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