

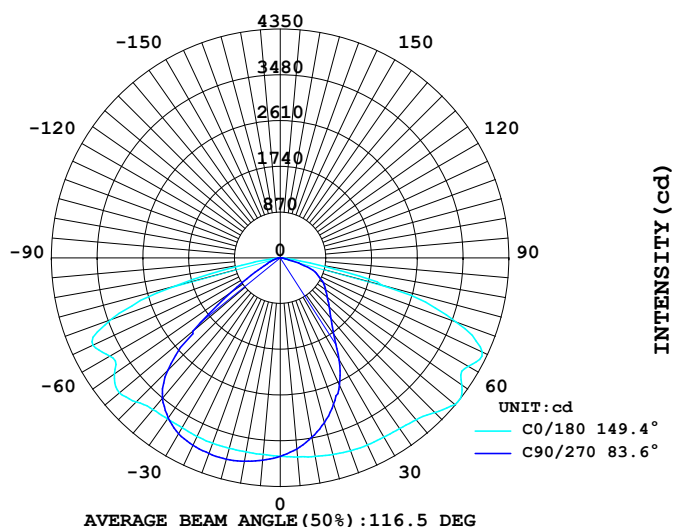
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

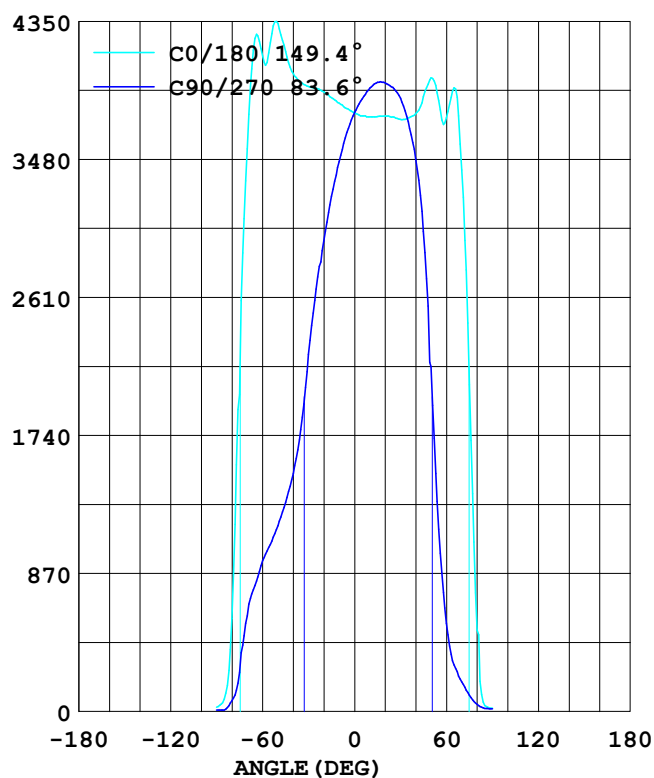
MANUFACTURER: Red Arrow Electrical Ltd			
Address:			
NAME: ORN80-T3-N3-740		TYPE: 4000K/5700K	WEIGHT:
SPECIFICATION: 3030 LED	CCT (K) : 0	DIMENSION: T3	SERIAL No. :

DATA OF LAMP		Imax (cd)	4350	S/MH (C0/180)	1.61
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.98
NOMINAL POWER (W)	60	TOTAL FLUX (lm)	11941	Voltage (V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	148.7	Current (A)	0.379
NOMINAL FLUX (lm)	11940.6	η up (%)	0.0	Power (W)	80.30
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.920
TEST VOLTAGE (V)	230.5	Effective Flux (lm)	11940.6	EEI	0.101

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



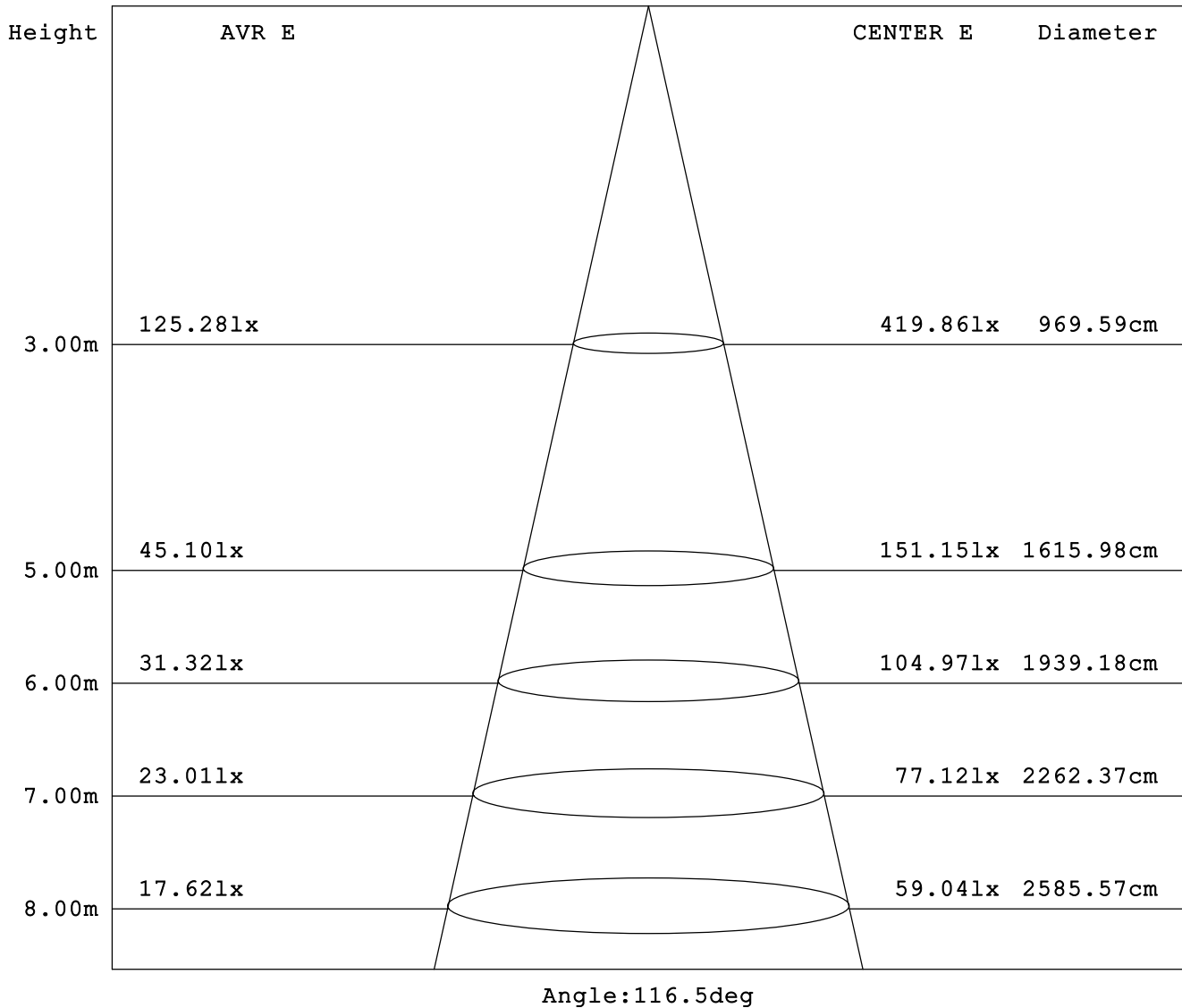
Test System: HOPOO
Temperature: 25.3 DEG
Operators:
Test Date: 2022.08.18

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

AVERAGE AND CENTER E Figure

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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	3800	3707	3648	3679	3754	3822	3860	3855	0- 5	90.13	90.13
10.0	3835	3620	3465	3570	3748	3863	3929	3921	5- 10	268.6	358.7
15.0	3869	3520	3248	3445	3750	3899	3965	3978	10- 15	442.1	800.8
20.0	3904	3391	2966	3301	3754	3919	3962	4017	15- 20	606.9	1408
25.0	3926	3230	2663	3122	3747	3923	3933	4030	20- 25	758.2	2166
30.0	3940	3034	2250	2911	3732	3911	3864	4026	25- 30	890.6	3057
35.0	3965	2810	1776	2683	3742	3875	3716	3993	30- 35	999.3	4056
40.0	4020	2469	1500	2341	3767	3802	3483	3916	35- 40	1082	5138
45.0	4159	2240	1319	2098	3875	3675	3025	3772	40- 45	1138	6275
50.0	4337	2062	1171	1934	3994	3437	2173	3520	45- 50	1171	7447
55.0	4214	1870	1053	1709	3850	2838	1150	2849	50- 55	1136	8582
60.0	4131	1587	951.4	1422	3741	2048	555.4	2073	55- 60	1003	9585
65.0	4242	1260	793.8	1094	3931	1567	293.9	1534	60- 65	886.3	10471
70.0	3546	901.4	602.6	747.9	3412	918.7	185.9	821.7	65- 70	744.0	11216
75.0	1999	429.7	246.2	386.8	2059	228.6	102.5	177.6	70- 75	466.8	11682
80.0	585.3	159.7	67.18	141.7	512.8	77.81	45.37	75.87	75- 80	194.6	11877
85.0	77.01	50.72	9.210	45.33	38.23	27.90	19.91	28.37	80- 85	49.51	11927
90.0	26.88	21.53	9.481	18.85	21.75	17.94	16.25	16.28	85- 90	14.09	11941
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	

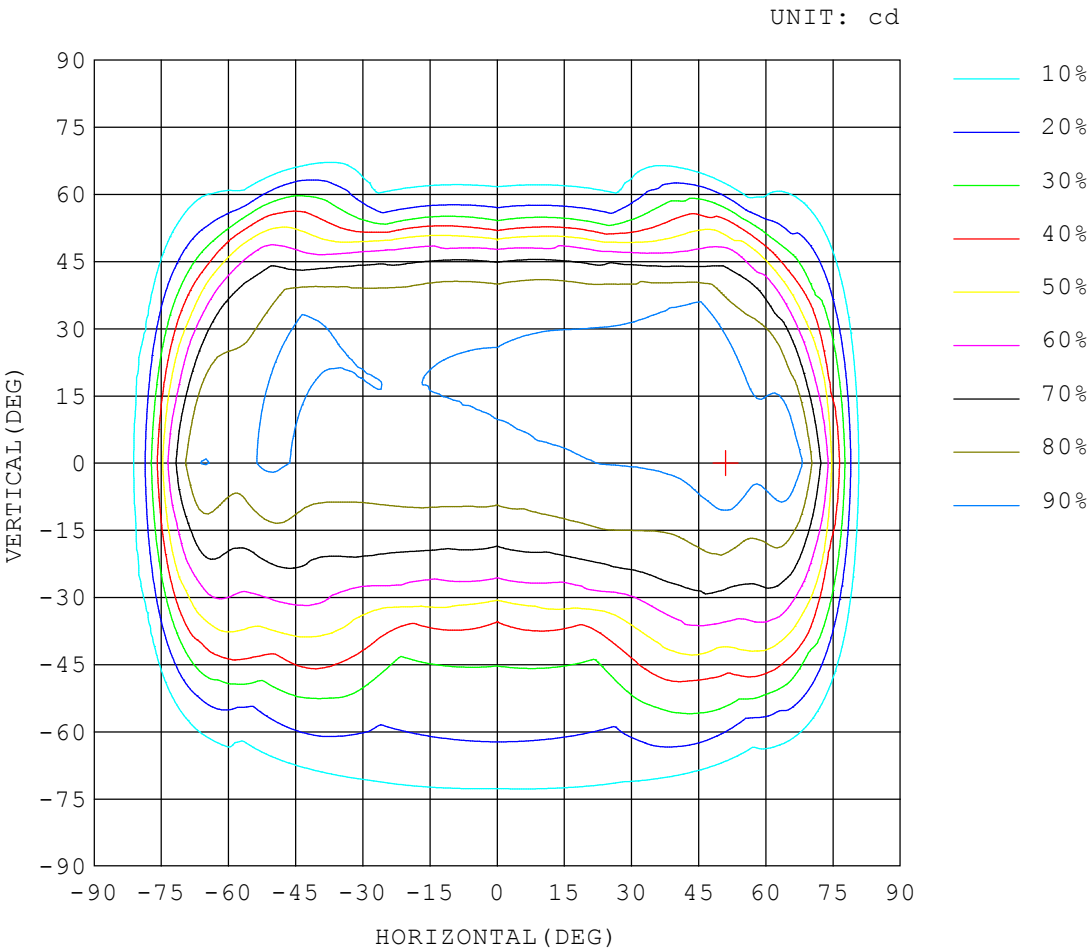
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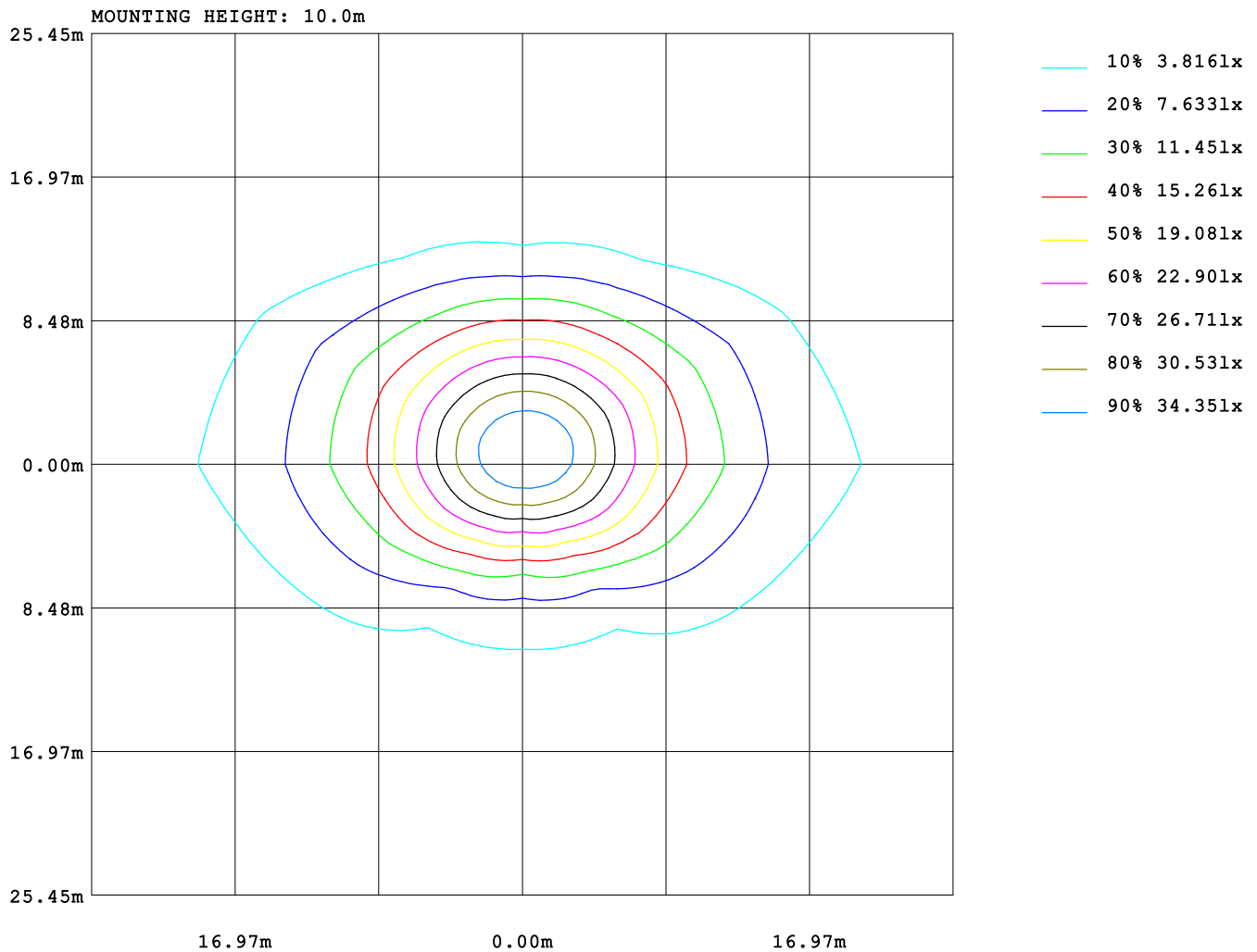
Test System:HOPOO
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ISOLUX DIAGRAM

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LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	3774	3774	3774	3774	3774	3774	3774	3774	3774	3774	3774	3774
5.0	3800	3737	3677	3648	3658	3700	3754	3806	3837	3860	3863	3847
10.0	3835	3699	3541	3465	3514	3627	3748	3837	3889	3929	3929	3914
15.0	3869	3654	3385	3248	3340	3551	3750	3874	3925	3965	3979	3977
20.0	3904	3602	3179	2966	3131	3471	3754	3901	3937	3962	4003	4030
25.0	3926	3538	2921	2663	2874	3371	3747	3917	3929	3933	3994	4066
30.0	3940	3452	2617	2250	2564	3258	3732	3924	3897	3864	3962	4091
35.0	3965	3332	2288	1776	2241	3126	3742	3931	3820	3716	3881	4105
40.0	4020	3192	1747	1500	1716	2965	3767	3939	3666	3483	3712	4119
45.0	4159	3050	1431	1319	1399	2797	3875	3975	3374	3025	3396	4149
50.0	4337	2893	1232	1171	1205	2664	3994	3987	2887	2173	2896	4144
55.0	4214	2669	1072	1053	1051	2367	3850	3816	1861	1150	1747	3951
60.0	4131	2241	935	951	921	1924	3741	3294	803	555	790	3357
65.0	4242	1734	785	794	771	1417	3931	2789	345	294	347	2721
70.0	3546	1196	607	603	600	896	3412	1645	194	186	196	1448
75.0	1999	512	347	246	330	444	2059	353	105	103	105	250
80.0	585	189	131	67.1	119	164	513	109	46.8	45.3	47.7	104
85.0	77.0	58.6	42.7	9.21	39.5	51.0	38.2	41.4	14.3	19.9	14.3	42.4
90.0	26.8	22.3	20.7	9.48	19.5	18.1	21.7	24.2	11.6	16.2	11.0	21.4

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