

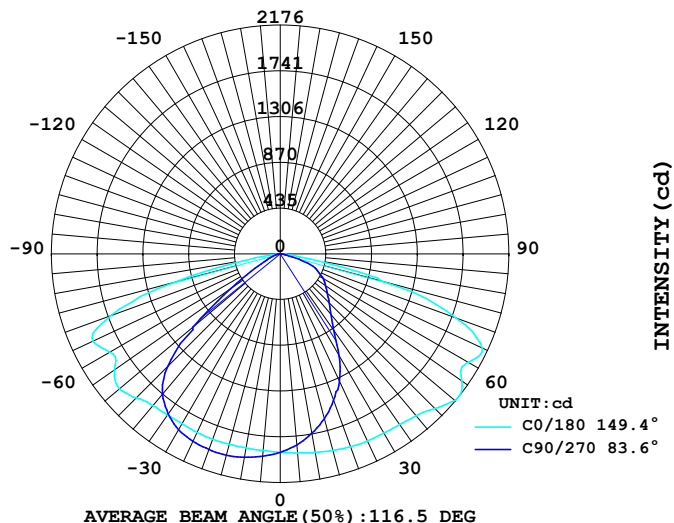
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

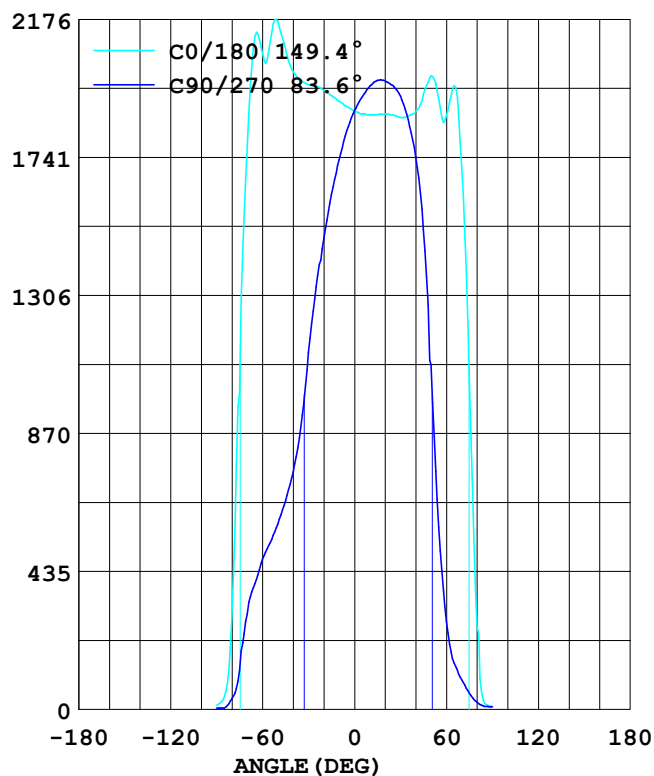
MANUFACTURER: Red Arrow Electrical Ltd			
Address:			
NAME: ORN40-T4-N3-740		TYPE: 4000K/5700K	WEIGHT:
SPECIFICATION: 3030 LED	CCT (K) : 0	DIMENSION: T3	SERIAL No. :

DATA OF LAMP		Imax (cd)	2176	S/MH (C0/180)	1.61
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.98
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	5973.1	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	148.4	Current(A)	0.189
NOMINAL FLUX(lm)	5973.1	η up (%)	0.0	Power(W)	40.25
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.920
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	5973.1	EEL	0.101

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



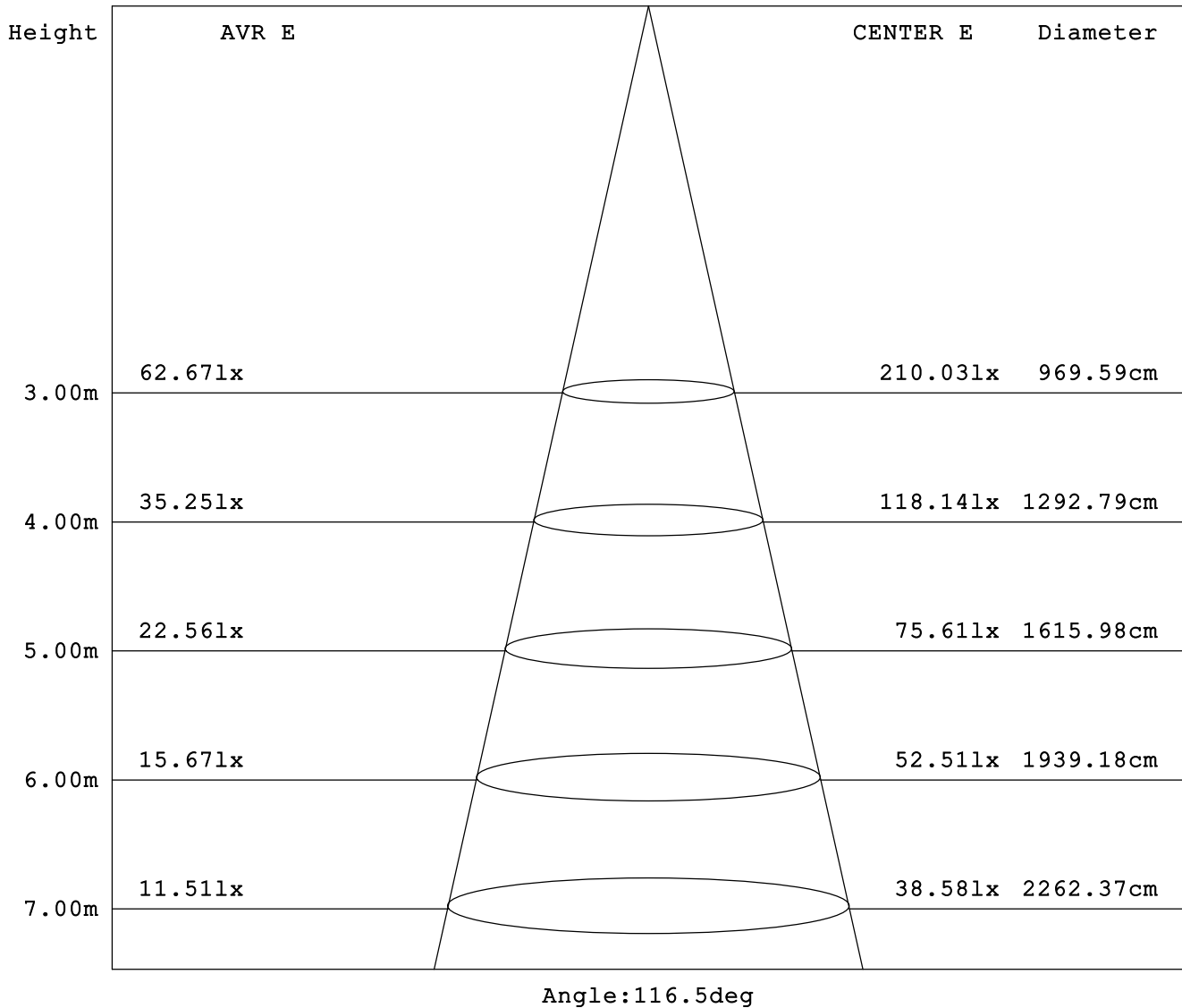
Test System: HOPOO
Temperature: 25.3 DEG
Operators:
Test Date: 2022.08.18

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

AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

Report number:

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NAME: ORN40-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	1901	1854	1825	1840	1878	1912	1931	1928	0- 5	45.08	45.08
10.0	1918	1811	1734	1786	1875	1932	1965	1962	5- 10	134.3	179.4
15.0	1935	1761	1625	1723	1876	1950	1983	1990	10- 15	221.1	400.6
20.0	1953	1696	1484	1651	1878	1960	1982	2009	15- 20	303.6	704.2
25.0	1964	1616	1332	1562	1875	1962	1967	2016	20- 25	379.2	1084
30.0	1971	1518	1126	1456	1867	1956	1933	2014	25- 30	445.5	1529
35.0	1983	1406	888.5	1342	1872	1939	1859	1998	30- 35	499.9	2029
40.0	2011	1235	750.2	1171	1884	1902	1742	1959	35- 40	541.0	2570
45.0	2080	1121	659.9	1049	1938	1838	1513	1887	40- 45	569.1	3139
50.0	2169	1032	585.9	967.6	1998	1719	1087	1761	45- 50	585.8	3725
55.0	2108	935.6	526.8	854.8	1926	1420	575.1	1425	50- 55	568.0	4293
60.0	2066	794.0	475.9	711.5	1872	1024	277.8	1037	55- 60	501.7	4795
65.0	2122	630.1	397.1	547.1	1966	783.7	147.0	767.4	60- 65	443.3	5238
70.0	1774	450.9	301.4	374.1	1707	459.5	93.03	411.0	65- 70	372.2	5610
75.0	1000	214.9	123.1	193.5	1030	114.3	51.29	88.85	70- 75	233.5	5844
80.0	292.7	79.91	33.60	70.90	256.5	38.92	22.69	37.95	75- 80	97.37	5941
85.0	38.52	25.37	4.607	22.67	19.12	13.95	9.960	14.19	80- 85	24.76	5966
90.0	13.45	10.77	4.743	9.429	10.88	8.977	8.130	8.145	85- 90	7.052	5973
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	

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

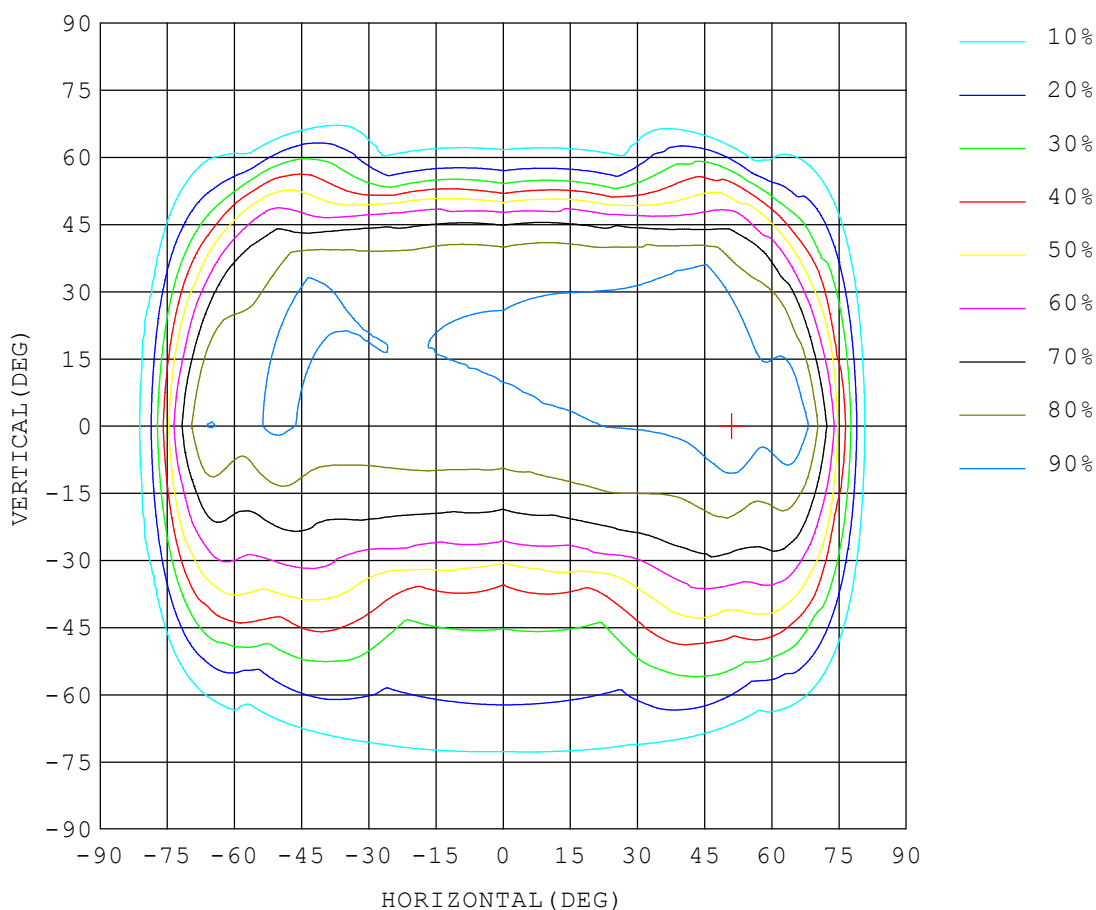
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ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



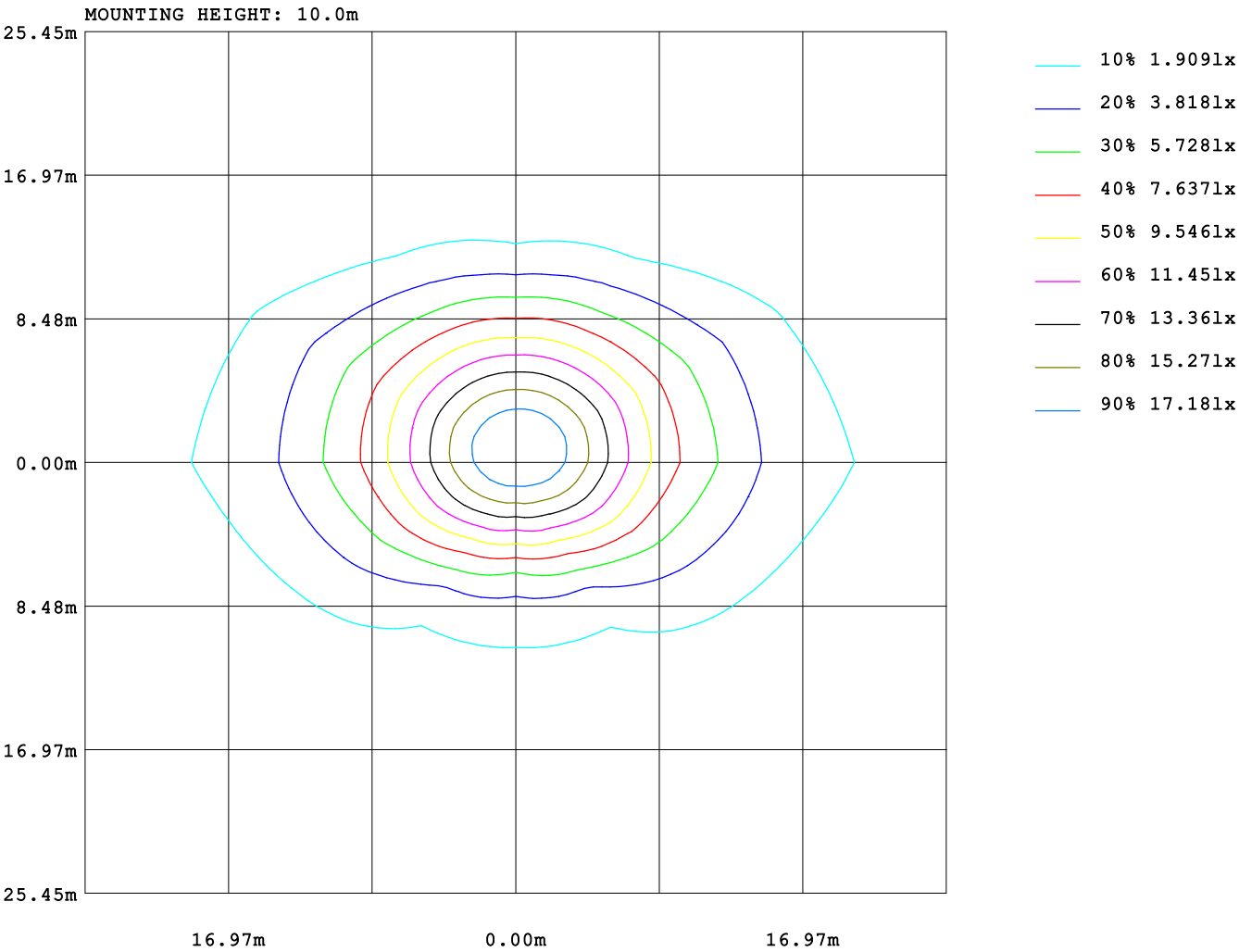
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ISOLUX DIAGRAM

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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	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888
5.0	1901	1869	1839	1825	1830	1851	1878	1904	1920	1931	1932	1925
10.0	1918	1851	1771	1734	1758	1814	1875	1919	1946	1965	1965	1958
15.0	1935	1828	1693	1625	1671	1776	1876	1938	1963	1983	1990	1989
20.0	1953	1802	1590	1484	1566	1736	1878	1951	1969	1982	2002	2016
25.0	1964	1770	1461	1332	1438	1686	1875	1959	1965	1967	1998	2034
30.0	1971	1727	1309	1126	1283	1630	1867	1963	1949	1933	1982	2047
35.0	1983	1667	1145	889	1121	1564	1872	1967	1911	1859	1941	2054
40.0	2011	1597	874	750	858	1483	1884	1970	1834	1742	1857	2060
45.0	2080	1526	716	660	700	1399	1938	1989	1688	1513	1699	2075
50.0	2169	1447	616	586	603	1332	1998	1995	1444	1087	1449	2073
55.0	2108	1335	536	527	526	1184	1926	1909	931	575	874	1976
60.0	2066	1121	467	476	461	963	1872	1648	402	278	395	1679
65.0	2122	868	393	397	385	709	1966	1395	173	147	174	1361
70.0	1774	598	304	301	300	448	1707	823	96.8	93.0	97.9	724
75.0	1000	256	174	123	165	222	1030	176	52.4	51.2	52.5	125
80.0	293	94.4	65.3	33.6	59.6	82.1	257	54.4	23.4	22.6	23.8	52.0
85.0	38.5	29.3	21.4	4.60	19.8	25.5	19.1	20.7	7.17	9.96	7.16	21.2
90.0	13.4	11.1	10.3	4.74	9.80	9.05	10.8	12.1	5.82	8.13	5.54	10.7

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