

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: BALLABS TEST NO. 7100.0

Luminaire Tested: **74IC/2T8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: BALLABS TEST NO. 7100.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 74IC/2T8
Description: 2/32W T8 LAMPS 4' ASYMM INDIRECT LUMINAIRE
Light Source: -
F32T8/SP35/RS
Ballast/Driver: -

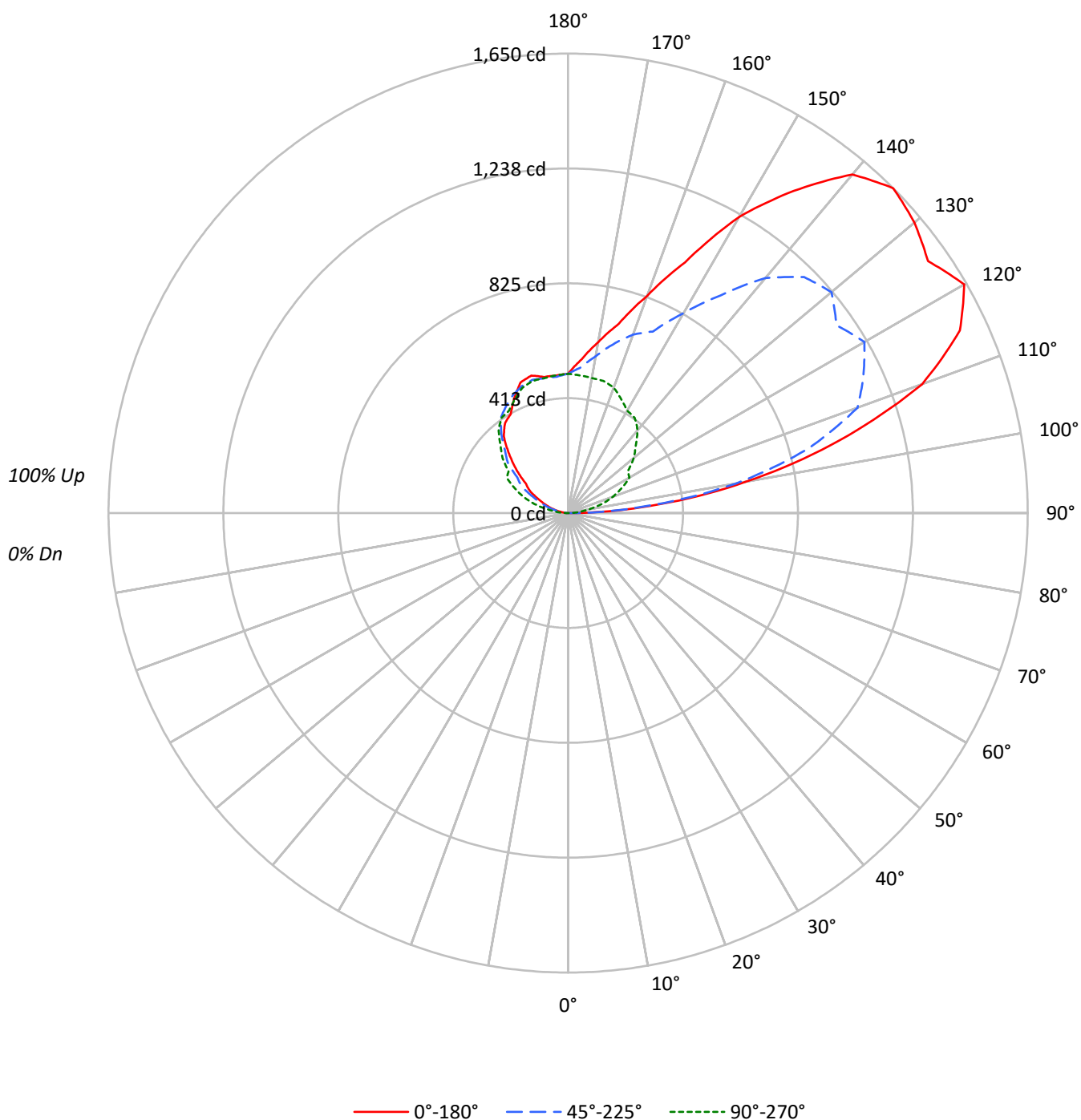
Summary

Lumens per Lamp: 2900 (2 lamps)
Luminaire Lumens: 3213.7 lumens
Efficiency: 55.4%
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 4' x L: 0.59' x H: 0')
CIE Type: Indirect

Input Watts (W): 69
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	53	53	53	53	45	45	45	45	31	31	31	18	18	18	6	6	6
1	48	46	44	42	41	39	38	36	27	26	25	15	15	15	5	5	5
2	44	40	37	34	37	34	32	30	23	22	21	14	13	12	4	4	4
3	40	35	31	28	34	30	27	25	21	19	17	12	11	10	4	4	3
4	36	31	27	24	31	26	23	21	18	16	15	11	9	9	3	3	3
5	33	27	23	20	28	23	20	18	16	14	12	9	8	7	3	3	2
6	30	24	20	17	26	21	17	15	14	12	11	8	7	6	3	2	2
7	28	22	18	15	24	19	15	13	13	11	9	8	6	5	2	2	2
8	26	20	16	13	22	17	14	11	12	10	8	7	6	5	2	2	2
9	24	18	14	11	20	15	12	10	11	8	7	6	5	4	2	2	1
10	22	16	12	10	19	14	11	9	10	8	6	6	4	4	2	1	1

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	0.0	0.0	0.0
10°-20°	0.0	0.0	0.0
20°-30°	0.0	0.0	0.0
30°-40°	0.0	0.0	0.0
40°-50°	0.0	0.0	0.0
50°-60°	0.0	0.0	0.0
60°-70°	0.0	0.0	0.0
70°-80°	0.0	0.0	0.0
80°-90°	0.0	0.0	0.0
90°-100°	145.9	4.5	2.5
100°-110°	434.1	13.5	7.5
110°-120°	595.8	18.5	10.3
120°-130°	584.9	18.2	10.1
130°-140°	543.2	16.9	9.4
140°-150°	424.4	13.2	7.3
150°-160°	278.2	8.7	4.8
160°-170°	158.0	4.9	2.7
170°-180°	49.3	1.5	0.8
0°-30°	0.0	0.0	0.0
0°-40°	0.0	0.0	0.0
0°-60°	0.0	0.0	0.0
0°-90°	0.0	0.0	0.0
90°-120°	1175.8	36.6	20.3
90°-150°	2728.3	84.9	47.0
90°-180°	3214.0	100.0	55.4
0°-180°	3213.7	100.0	55.4

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	41
95°	296	280	36	14	12	326
105°	1010	891	125	65	56	1062
115°	1552	1170	212	141	116	1512
125°	1577	1176	261	222	186	1440
135°	1650	1198	343	321	299	1261
145°	1412	954	417	420	395	889
155°	993	719	451	468	456	472
165°	704	628	491	495	511	205
175°	554	525	496	491	496	55
180°	500	500	500	500	500	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0
95°	296	293	280	230	36	17	14	13	12
100°	650	644	612	435	72	44	34	32	30
105°	1010	1003	891	566	125	85	65	58	56
110°	1352	1309	1105	668	170	133	100	88	84
115°	1552	1488	1170	708	212	182	141	121	116
120°	1642	1548	1228	708	254	226	193	166	158
125°	1577	1480	1176	635	261	245	222	193	186
130°	1623	1519	1234	628	307	305	283	252	242
135°	1650	1544	1198	608	343	353	321	313	299
140°	1587	1487	1101	604	388	397	373	361	359
145°	1412	1305	954	594	417	431	420	399	395
150°	1228	1113	829	572	424	432	444	417	411
155°	993	911	719	562	451	452	468	463	456
160°	830	787	682	568	479	475	485	501	499
165°	704	682	628	547	491	487	495	507	511
170°	623	606	572	524	492	492	491	499	496
175°	554	548	525	509	496	496	491	491	496
180°	500	500	500	500	500	500	500	500	500

(END OF REPORT)