

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. 7456.0

Luminaire Tested: **74IC/1BX-4' LONG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: BALLABS TEST NO. 7456.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 74IC/1BX-4' LONG
Description: 2/40W BIAx LAMP 4'INDIRECT COVE LUMINAIRE
Light Source: -
F40BX/SPX35/RS
Ballast/Driver: -

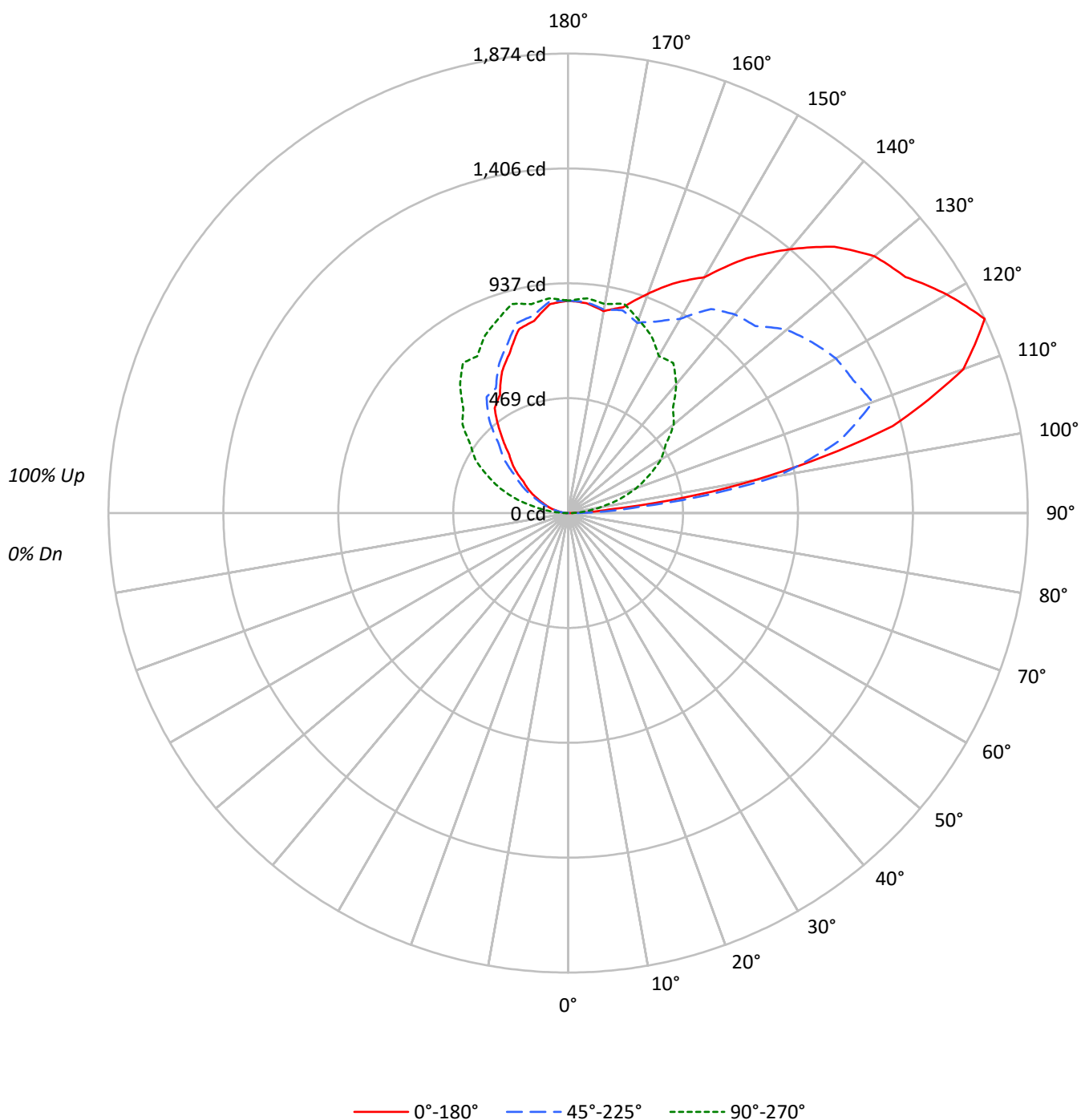
Summary

Lumens per Lamp: 3150 (2 lamps)
Luminaire Lumens: 3821.0 lumens
Efficiency: 60.7%
Efficacy: -
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 3.83' x L: 0.49' x H: 0')
CIE Type: Indirect

Input Watts (W): 0
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
RCR																	
0	58	58	58	58	49	49	49	49	34	34	34		19	19	19		6
1	53	50	48	46	45	43	41	40	29	28	27		17	16	16		5
2	48	44	40	37	41	37	35	32	26	24	23		15	14	13		5
3	44	38	34	31	37	33	30	27	23	21	19		13	12	11		4
4	40	34	29	26	34	29	25	23	20	18	16		12	10	9		4
5	36	30	25	22	31	26	22	19	18	15	14		10	9	8		3
6	33	27	22	19	28	23	19	16	16	13	12		9	8	7		3
7	31	24	19	16	26	20	17	14	14	12	10		8	7	6		3
8	28	21	17	14	24	18	15	12	13	10	9		7	6	5		2
9	26	19	15	12	22	17	13	11	12	9	8		7	5	5		2
10	24	18	14	11	21	15	12	10	11	8	7		6	5	4		2

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°	171.8	4.5	2.7
100°-110°	553.2	14.5	8.8
110°-120°	687.4	18.0	10.9
120°-130°	652.2	17.1	10.4
130°-140°	586.0	15.3	9.3
140°-150°	491.3	12.9	7.8
150°-160°	362.8	9.5	5.8
160°-170°	234.7	6.1	3.7
170°-180°	81.6	2.1	1.3
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°	1412.4	37.0	22.4
90°-150°	3142.0	82.2	49.9
90°-180°	3821.0	100.0	60.7
0°-180°	3821.0	100.0	60.7

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	23
95°	167	295	61	18	20	349
105°	1370	1148	215	74	70	1379
115°	1874	1282	364	156	136	1798
125°	1679	1214	485	262	222	1520
135°	1536	1079	604	400	341	1184
145°	1268	1016	747	579	522	796
155°	1036	862	800	668	637	480
165°	869	856	883	803	776	251
175°	859	863	879	866	855	81
180°	866	866	866	866	866	

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CATALOG NUMBER: 74IC/1BX-4' LONG

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°	167	210	295	350	61	21	18	20	20
100°	772	809	865	574	129	47	41	41	41
105°	1370	1323	1148	665	215	93	74	70	70
110°	1714	1617	1321	736	294	144	111	101	99
115°	1874	1724	1282	720	364	208	156	139	136
120°	1783	1648	1261	733	437	284	213	187	182
125°	1679	1549	1214	723	485	342	262	231	222
130°	1630	1518	1163	756	562	417	340	299	288
135°	1536	1414	1079	741	604	467	400	354	341
140°	1404	1295	1057	756	685	556	502	446	431
145°	1268	1198	1016	759	747	634	579	541	522
150°	1110	1054	914	726	739	644	588	568	556
155°	1036	995	862	782	800	721	668	645	637
160°	952	911	825	820	839	777	729	704	695
165°	869	858	856	866	883	843	803	783	776
170°	836	838	842	852	865	846	817	803	796
175°	859	861	863	869	879	879	866	861	855
180°	866	866	866	866	866	866	866	866	866

(END OF REPORT)