

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. 11726.0

Luminaire Tested: **74IC\2T5HO**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: BALLABS TEST NO. 11726.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 74IC\2T5HO
Description: 2/54W T5HO LAMP 4'INDIRECT COVE MNT LUMINAIRE
Light Source: -
FP54WT5HO/835
Ballast/Driver: UNIVERSAL BALLAST #B254PUNV-D

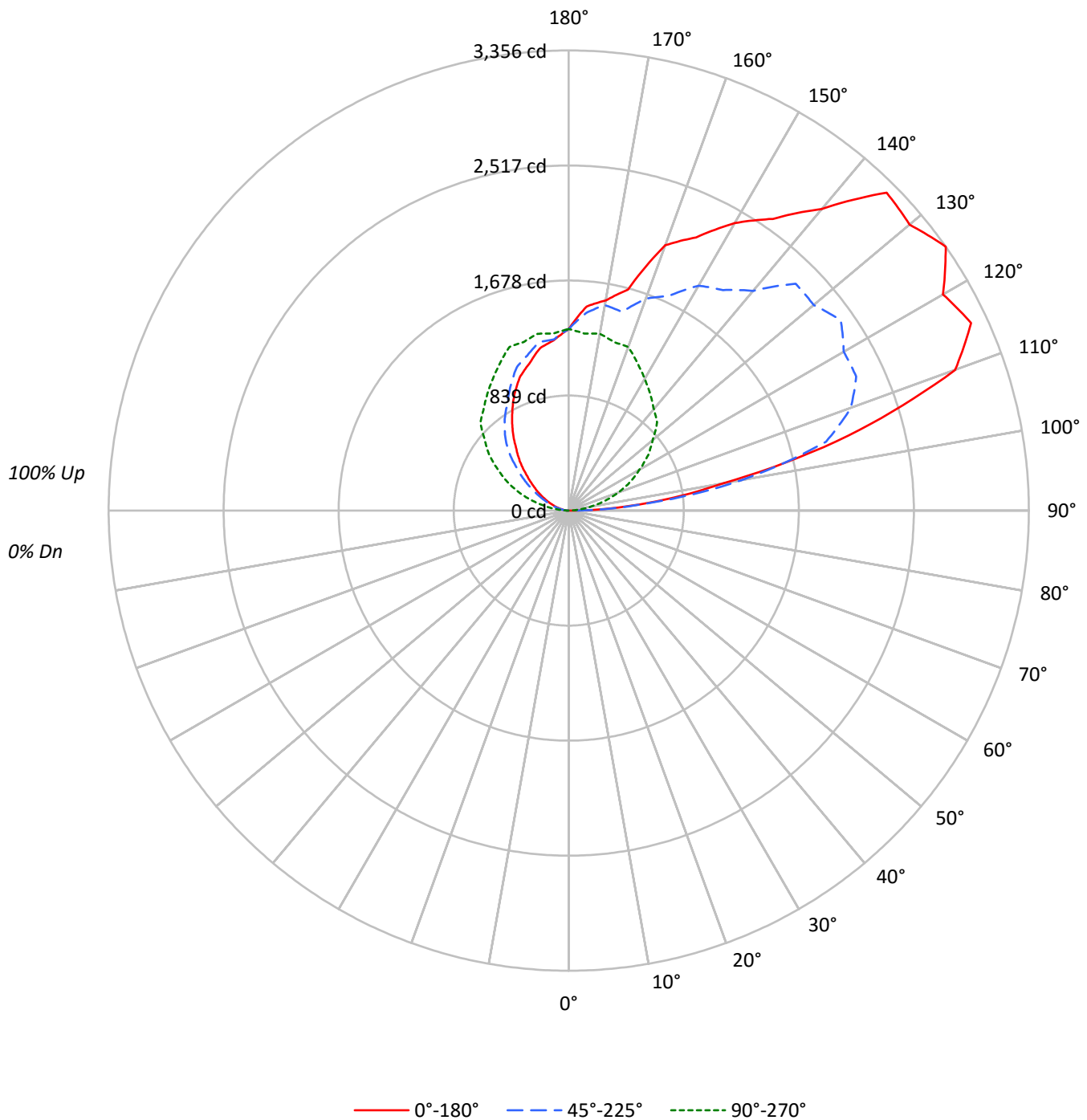
Summary

Lumens per Lamp: 5000 (2 lamps)
Luminaire Lumens: 6616.3 lumens
Efficiency: 66.2%
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 3.85' x L: 0.5' x H: 0.01')
CIE Type: Indirect

Input Watts (W): 116
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	63	63	63	63	54	54	54	54	37	37	37		21	21	21		7
1	57	55	52	50	49	47	45	43	32	31	30		18	18	17		6
2	52	48	44	41	44	41	38	35	28	26	25		16	15	14		5
3	47	42	37	34	40	36	32	29	25	22	21		14	13	12		5
4	43	37	32	28	37	32	28	25	22	19	17		13	11	10		4
5	40	33	28	24	34	28	24	21	19	17	15		11	10	9		4
6	36	29	24	21	31	25	21	18	17	15	13		10	9	8		3
7	33	26	21	18	28	22	18	15	15	13	11		9	8	7		3
8	31	23	19	15	26	20	16	13	14	11	10		8	7	6		3
9	29	21	17	14	24	18	14	12	13	10	8		7	6	5		2
10	26	19	15	12	23	17	13	10	11	9	7		7	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°	283.6	4.3	2.8
100°-110°	880.1	13.3	8.8
110°-120°	1168.5	17.7	11.7
120°-130°	1183.6	17.9	11.8
130°-140°	1087.5	16.4	10.9
140°-150°	856.9	13.0	8.6
150°-160°	639.9	9.7	6.4
160°-170°	387.3	5.9	3.9
170°-180°	128.9	1.9	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°	2332.3	35.3	23.3
90°-150°	5460.2	82.5	54.6
90°-180°	6616.0	100.0	66.2
0°-180°	6616.3	100.0	66.2

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	71
95°	521	544	68	28	27	571
105°	2111	1943	269	101	86	2205
115°	3238	2313	494	222	182	3133
125°	3356	2422	707	402	315	2940
135°	3279	2340	911	626	501	2457
145°	2597	1963	1036	814	713	1651
155°	2198	1727	1186	1003	937	1031
165°	1668	1499	1272	1170	1110	498
175°	1494	1447	1296	1253	1247	143
180°	1324	1324	1324	1324	1324	

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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°	521	544	544	494	68	35	28	27	27
100°	1137	1203	1278	876	160	77	60	56	53
105°	2111	2111	1943	1051	269	140	101	90	86
110°	2999	2885	2190	1227	384	225	155	133	129
115°	3238	2995	2313	1296	494	328	222	189	182
120°	3152	2920	2316	1308	595	438	303	258	245
125°	3356	3113	2422	1387	707	548	402	334	315
130°	3245	2999	2332	1398	799	641	504	420	399
135°	3279	3035	2340	1440	911	752	626	531	501
140°	2872	2652	2092	1351	965	824	723	631	598
145°	2597	2411	1963	1315	1036	916	814	748	713
150°	2421	2268	1894	1331	1108	999	896	841	824
155°	2198	2077	1727	1403	1186	1102	1003	954	937
160°	2059	1934	1645	1496	1269	1203	1111	1061	1038
165°	1668	1595	1499	1459	1272	1222	1170	1124	1110
170°	1556	1545	1522	1470	1309	1262	1247	1213	1203
175°	1494	1484	1447	1361	1296	1282	1253	1249	1247
180°	1324	1324	1324	1324	1324	1324	1324	1324	1324

(END OF REPORT)