

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. 11727.0

Luminaire Tested: **74IC/2T5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: BALLABS TEST NO. 11727.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 74IC/2T5
Description: 2/28W T5 LAMP 4'INDIRECT COVE MNT LUMINAIRE
Light Source: -
FP28WT5/835
Ballast/Driver: UNIVERSAL BALLAST #B228PUNV-D

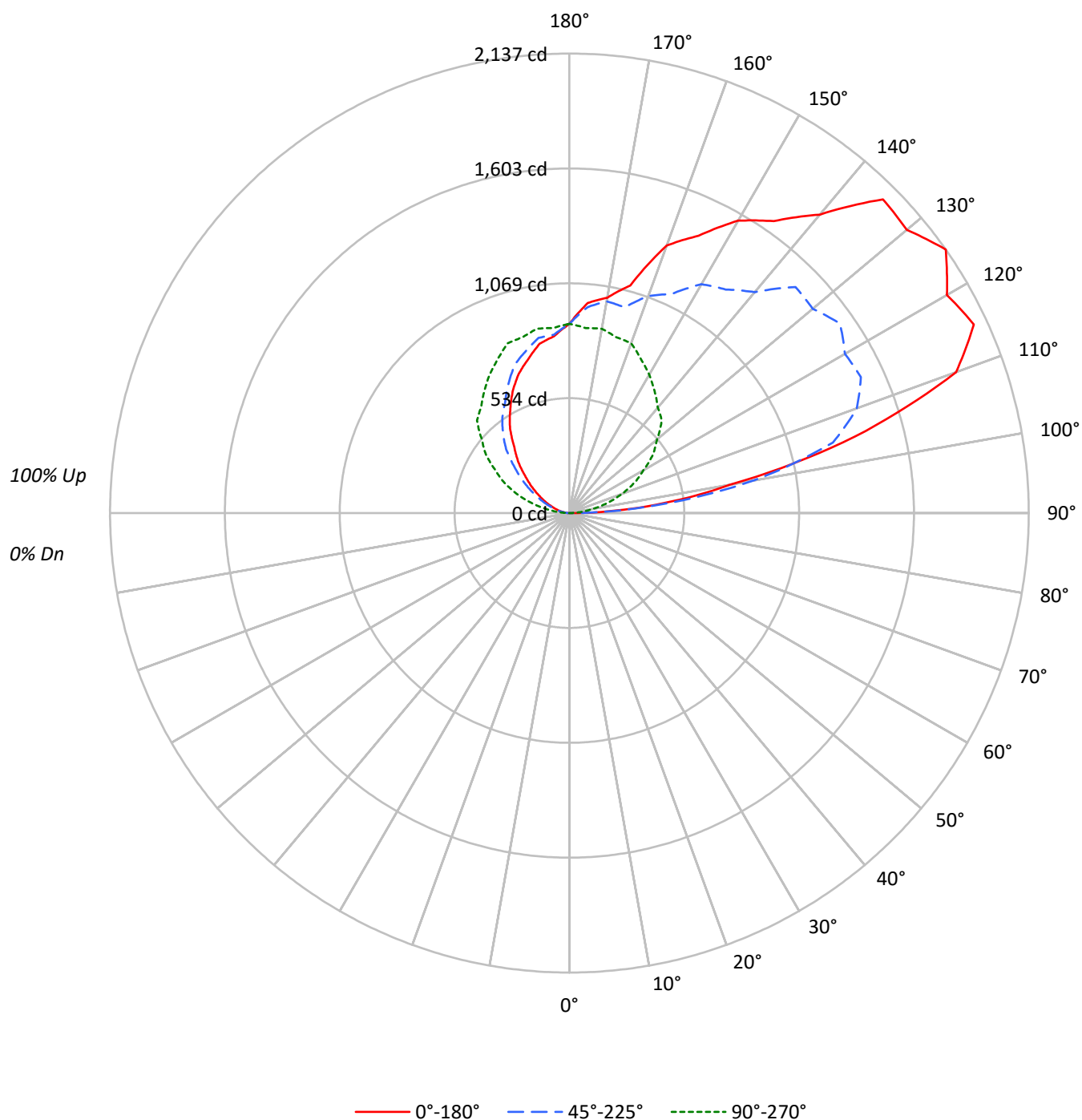
Summary

Lumens per Lamp: 2900 (2 lamps)
Luminaire Lumens: 4319.8 lumens
Efficiency: 74.5%
Efficacy: 66.5 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): 65
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	71	71	71	71	61	61	61	61	41	41	41	24	24	24	8	8	8
1	64	62	59	56	55	53	51	49	36	35	34	21	20	20	7	6	6
2	59	54	49	46	50	46	43	40	31	29	28	18	17	16	6	6	5
3	53	47	42	38	45	40	36	33	28	25	23	16	15	14	5	5	4
4	49	41	36	32	41	36	31	28	24	22	20	14	13	12	5	4	4
5	45	37	31	27	38	31	27	24	22	19	17	13	11	10	4	4	3
6	41	33	27	23	35	28	23	20	19	16	14	11	10	8	4	3	3
7	38	29	24	20	32	25	21	17	17	14	12	10	9	7	3	3	2
8	35	26	21	17	29	23	18	15	16	13	11	9	8	6	3	2	2
9	32	24	19	15	27	20	16	13	14	11	9	8	7	6	3	2	2
10	30	22	17	13	25	19	14	12	13	10	8	8	6	5	2	2	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°	194.5	4.5	3.4
100°-110°	580.7	13.4	10.0
110°-120°	758.5	17.6	13.1
120°-130°	763.9	17.7	13.2
130°-140°	700.3	16.2	12.1
140°-150°	560.0	13.0	9.7
150°-160°	420.6	9.7	7.3
160°-170°	255.8	5.9	4.4
170°-180°	85.4	2.0	1.5
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°	1533.8	35.5	26.4
90°-150°	3558.0	82.4	61.3
90°-180°	4320.0	100.0	74.5
0°-180°	4319.8	100.0	74.5

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	50
95°	362	387	47	18	17	384
105°	1377	1269	184	69	59	1432
115°	2076	1496	334	149	122	2008
125°	2137	1537	474	266	213	1873
135°	2063	1487	608	414	336	1548
145°	1657	1269	691	543	481	1054
155°	1423	1124	789	669	624	667
165°	1096	990	846	781	741	325
175°	981	961	864	832	825	94
180°	880	880	880	880	880	

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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°	362	370	387	349	47	22	18	17	17
100°	760	819	869	597	110	51	39	35	35
105°	1377	1391	1269	711	184	93	69	60	59
110°	1914	1855	1423	812	259	151	102	90	85
115°	2076	1921	1496	850	334	219	149	127	122
120°	2028	1880	1480	864	398	293	203	173	163
125°	2137	1979	1537	912	474	361	266	227	213
130°	2049	1892	1478	918	532	423	334	282	269
135°	2063	1910	1487	940	608	498	414	355	336
140°	1812	1676	1341	891	640	545	480	420	398
145°	1657	1544	1269	878	691	610	543	503	481
150°	1570	1471	1229	890	743	668	597	564	551
155°	1423	1345	1124	925	789	732	669	635	624
160°	1324	1249	1074	985	840	794	737	702	689
165°	1096	1052	990	964	846	811	781	753	741
170°	1017	1012	1000	975	870	836	827	810	799
175°	981	975	961	908	864	852	832	825	825
180°	880	880	880	880	880	880	880	880	880

(END OF REPORT)