

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. 11552.0

Luminaire Tested: **74ICS/1T5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: BALLABS TEST NO. 11552.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 74ICS/1T5
Description: 1/28W T5 LAMP 4'INDIRECT COVE MNT LUMINAIRE
Light Source: -
FP28WT5/835
Ballast/Driver: ENERGY SAVINGS #ES-1-T5-38-28-21-UNV-F

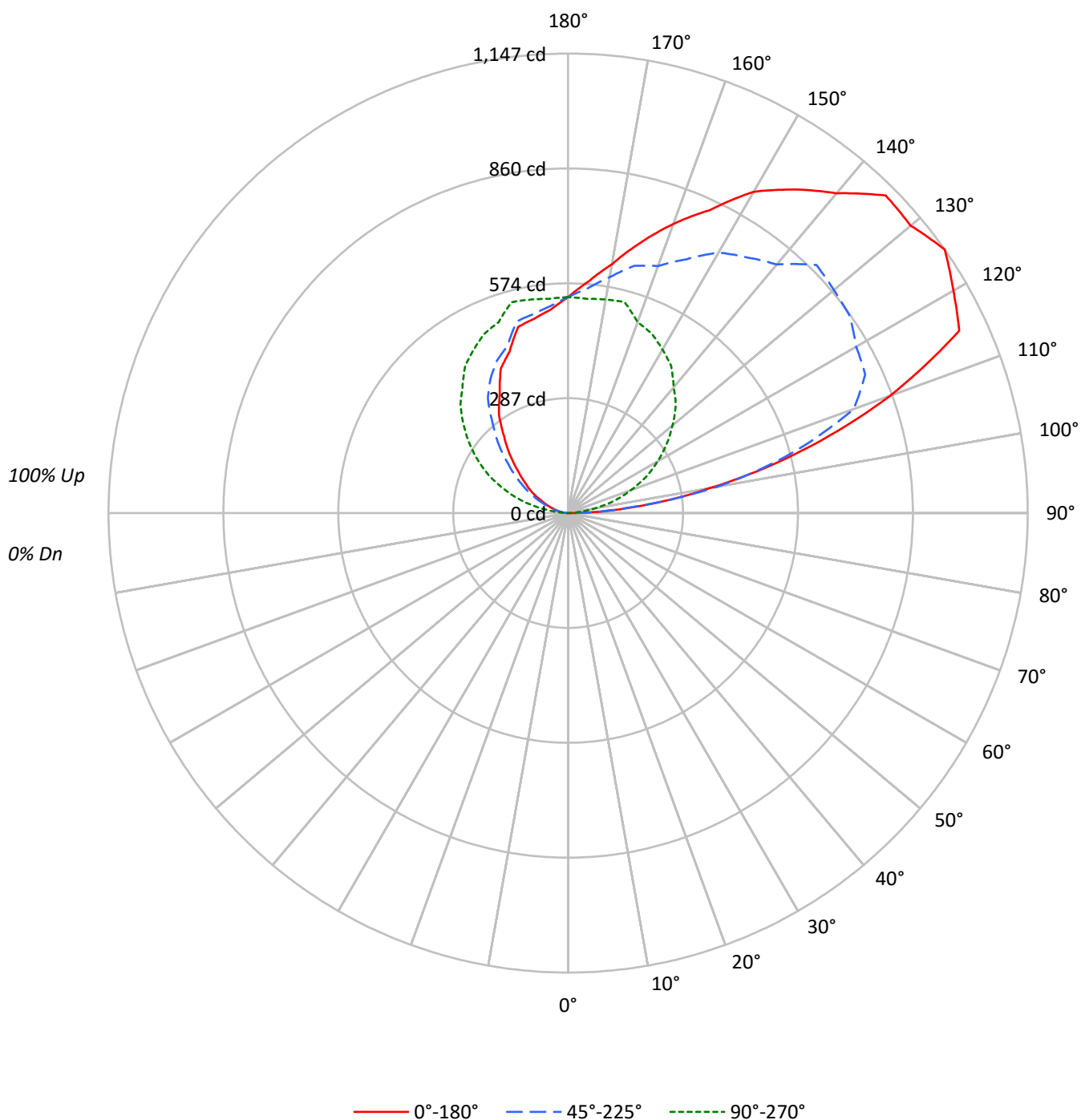
Summary

Lumens per Lamp: 2900 (1 lamp)
Luminaire Lumens: 2444.2 lumens
Efficiency: 84.3%
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 3.52' x L: 0.31' x H: 0')
CIE Type: Indirect

Input Watts (W): 32
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	80	80	80	80	69	69	69	69	47	47	47		27	27	27		9
1	73	70	67	64	62	60	57	55	41	39	38		23	23	22		8
2	66	61	56	52	57	52	48	45	36	33	31		21	19	18		7
3	60	53	48	43	51	46	41	37	31	29	26		18	17	15		6
4	55	47	41	36	47	40	35	31	28	25	22		16	14	13		5
5	50	41	35	31	43	36	30	27	25	21	19		14	13	11		5
6	46	37	31	26	39	32	27	23	22	19	16		13	11	10		4
7	43	33	27	23	36	28	23	20	20	16	14		11	10	8		4
8	39	30	24	20	33	26	21	17	18	14	12		10	9	7		3
9	36	27	21	17	31	23	18	15	16	13	11		9	8	6		3
10	34	24	19	15	29	21	16	13	15	12	9		9	7	6		3

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°	85.4	3.5	2.9
100°-110°	280.2	11.5	9.7
110°-120°	414.7	17.0	14.3
120°-130°	437.4	17.9	15.1
130°-140°	412.9	16.9	14.2
140°-150°	345.8	14.1	11.9
150°-160°	257.4	10.5	8.9
160°-170°	158.5	6.5	5.5
170°-180°	52.0	2.1	1.8
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°	780.3	31.9	26.9
90°-150°	1976.4	80.9	68.2
90°-180°	2444.0	100.0	84.3
0°-180°	2444.2	100.0	84.3

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	22
95°	159	143	22	10	10	180
105°	606	578	120	40	34	640
115°	1077	818	215	90	74	1021
125°	1147	858	300	159	130	1014
135°	1121	876	380	247	205	853
145°	986	779	448	349	301	620
155°	834	699	494	420	397	391
165°	699	639	545	495	481	200
175°	580	563	537	518	509	57
180°	539	539	539	539	539	

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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°	159	147	143	145	22	10	10	10	10
100°	360	364	377	297	68	27	21	21	21
105°	606	597	578	384	120	53	40	34	34
110°	854	854	758	448	166	84	60	53	53
115°	1077	1015	818	504	215	123	90	80	74
120°	1110	1042	830	532	258	168	123	109	104
125°	1147	1074	858	551	300	211	159	137	130
130°	1116	1048	866	560	340	262	199	175	163
135°	1121	1062	876	583	380	308	247	214	205
140°	1042	988	810	568	410	343	293	257	248
145°	986	932	779	574	448	387	349	311	301
150°	926	879	751	575	471	413	387	351	341
155°	834	800	699	575	494	448	420	407	397
160°	768	736	656	574	507	468	443	432	428
165°	699	680	639	587	545	515	495	482	481
170°	631	621	598	567	541	521	504	495	492
175°	580	573	563	548	537	528	518	512	509
180°	539	539	539	539	539	539	539	539	539

(END OF REPORT)