

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. 12482.0

Luminaire Tested: **S801 ISL 2T5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: BALLABS TEST NO. 12482.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S801 ISL 2T5
Description: 2/28W T5 LAMPS 4'BIDIRECTIONAL PENDANT MNT LUMINAIRE
SEMI-SPEC SIDE REFL w/MIRO5 CENTER REFLECTOR
Light Source: -
FP28T5/835
Ballast/Driver: UNIVERSAL BALLAST #B228PUNV-C WATTS=66

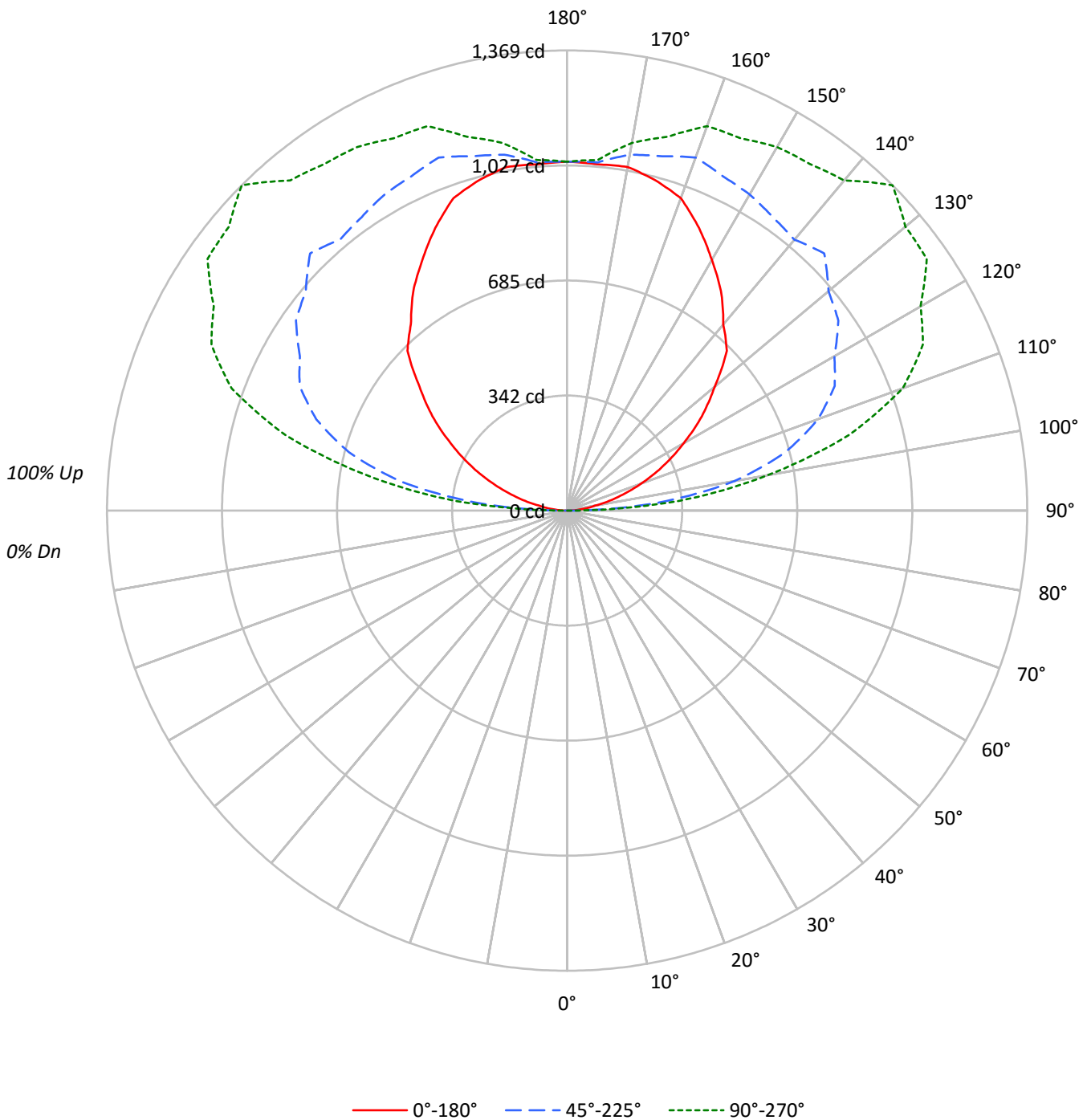
Summary

Lumens per Lamp: 2900 (2 lamps)
Luminaire Lumens: 4883.8 lumens
Efficiency: 84.2%
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 0.8' x L: 4' x H: 0.01')
CIE Type: Indirect

Input Watts (W): 66
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	80	80	80	80	69	69	69	69	47	47	47	27	27	27	9	9	9	0
1	73	70	67	64	62	60	57	55	41	39	38	23	23	22	8	7	7	0
2	66	61	56	52	56	52	48	45	36	33	31	21	19	18	7	6	6	0
3	60	53	48	43	51	46	41	37	31	29	26	18	17	15	6	5	5	0
4	55	47	41	36	47	40	35	31	28	25	22	16	14	13	5	5	4	0
5	50	41	35	31	43	36	30	27	25	21	19	14	12	11	5	4	4	0
6	46	37	31	26	39	32	27	23	22	19	16	13	11	10	4	4	3	0
7	42	33	27	23	36	28	23	20	20	16	14	11	10	8	4	3	3	0
8	39	30	24	20	33	26	21	17	18	14	12	10	9	7	3	3	2	0
9	36	27	21	17	31	23	18	15	16	13	11	9	8	6	3	2	2	0
10	34	24	19	15	29	21	16	13	15	12	9	9	7	6	3	2	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
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°	248.2	5.1	4.3
100°-110°	625.4	12.8	10.8
110°-120°	799.4	16.4	13.8
120°-130°	839.5	17.2	14.5
130°-140°	798.4	16.3	13.8
140°-150°	659.7	13.5	11.4
150°-160°	503.7	10.3	8.7
160°-170°	309.2	6.3	5.3
170°-180°	100.4	2.1	1.7
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°	1673.0	34.3	28.8
90°-150°	3970.6	81.3	68.5
90°-180°	4884.0	100.0	84.2
0°-180°	4883.8	100.0	84.2

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	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	5
95°	40	178	273	317	336	43
105°	157	398	673	828	868	167
115°	316	545	878	1091	1168	313
125°	489	684	985	1224	1306	436
135°	672	831	1082	1289	1369	510
145°	798	900	1066	1206	1259	498
155°	928	988	1097	1186	1222	427
165°	1017	1037	1091	1133	1151	287
175°	1034	1036	1040	1044	1047	99
180°	1038	1038	1038	1038	1038	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	0	0	0	0	0
5°	0	0	0	0	0
10°	0	0	0	0	0
15°	0	0	0	0	0
20°	0	0	0	0	0
25°	0	0	0	0	0
30°	0	0	0	0	0
35°	0	0	0	0	0
40°	0	0	0	0	0
45°	0	0	0	0	0
50°	0	0	0	0	0
55°	0	0	0	0	0
60°	0	0	0	0	0
65°	0	0	0	0	0
70°	0	0	0	0	0
75°	0	0	0	0	0
80°	0	0	0	0	0
85°	0	0	0	0	0
90°	0	0	0	0	0
95°	40	178	273	317	336
100°	86	305	506	577	606
105°	157	398	673	828	868
110°	234	478	794	995	1062
115°	316	545	878	1091	1168
120°	400	606	918	1139	1214
125°	489	684	985	1224	1306
130°	573	745	1015	1232	1314
135°	672	831	1082	1289	1369
140°	723	850	1052	1218	1282
145°	798	900	1066	1206	1259
150°	861	945	1086	1203	1249
155°	928	988	1097	1186	1222
160°	989	1034	1118	1189	1217
165°	1017	1037	1091	1133	1151
170°	1038	1044	1075	1098	1111
175°	1034	1036	1040	1044	1047
180°	1038	1038	1038	1038	1038

(END OF REPORT)