

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: METALUX

Report Number: 189P101

Luminaire Tested: **PGX-132S26I-PAF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 189P101
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: PGX-132S26I-PAF
Description: 1 X 4 Recessed Convertible Body Troffer with a 4" deep 12 cell semi-specular low iridescent parabolic louver.
Light Source: One FO32T8/35K - 2850 Lumens ea. - 32 Watts ea.
Ballast/Driver: Triad B232I120RH Electronic - L.O.B.F. = 101.26

Summary

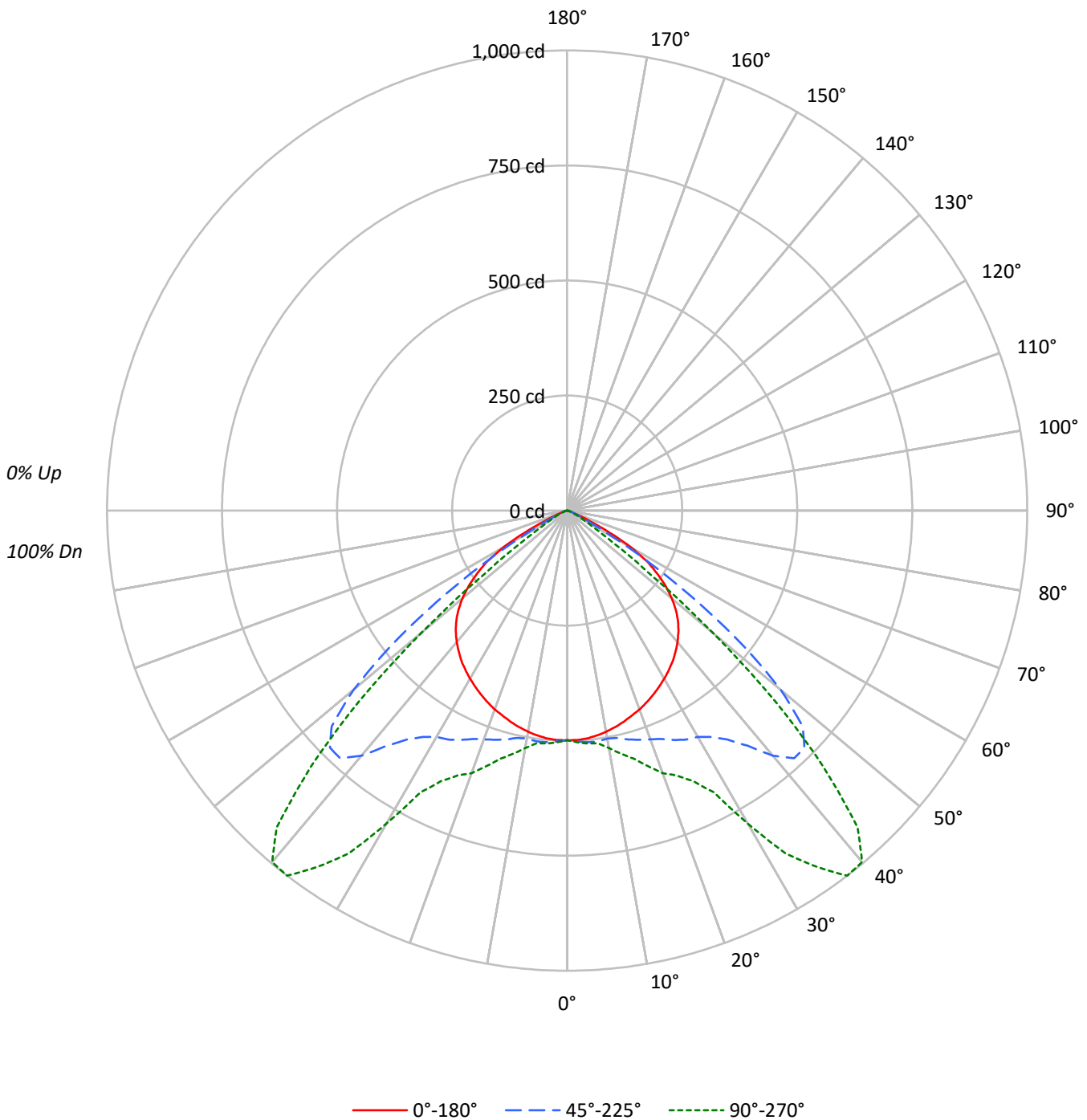
Lumens per Lamp: 2850 (1 lamp)
Luminaire Lumens: 1638.2 lumens
Efficiency: 57.5%
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 2.05 / 1.78
Luminous Opening: Rectangular (W 0.73' x L: 3.76' x H: 0')
CIE Type: Direct

Input Watts (W): 35.5
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	68	68	68	68	67	67	67	67	64	64	64	61	61	61	59	59	59	57
1	64	62	60	58	62	61	59	57	58	57	55	56	55	54	54	53	52	51
2	59	55	52	49	58	54	51	49	52	50	48	50	48	47	49	47	46	44
3	54	49	45	42	53	48	45	42	47	44	41	45	43	40	44	42	40	38
4	50	44	40	36	49	43	39	36	42	38	35	41	37	35	39	37	34	33
5	46	39	35	31	45	39	34	31	38	34	31	37	33	30	36	33	30	29
6	43	35	31	27	42	35	30	27	34	30	27	33	29	27	32	29	26	25
7	39	32	27	24	38	32	27	24	31	27	24	30	26	24	29	26	23	22
8	37	29	24	21	36	29	24	21	28	24	21	27	24	21	27	23	21	20
9	34	27	22	19	33	26	22	19	26	22	19	25	21	19	24	21	19	18
10	32	24	20	17	31	24	20	17	23	20	17	23	19	17	22	19	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1948	1948	1948
5°	1947	1979	1991
10°	1934	1994	2077
15°	1920	2081	2255
20°	1911	2198	2522
25°	1904	2369	2795
30°	1902	2560	3538
35°	1906	2893	4503
40°	1901	3542	5080
45°	1882	4024	4350
50°	1804	3680	2508
55°	1627	2348	830
60°	1249	898	336
65°	508	286	185
70°	171	160	114
75°	90	106	75
80°	67	67	45
85°	45	45	45



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	48.1	2.9	1.7	0°	499	499	499	499	499	
10°-20°	146.9	9.0	5.2	5°	497	501	505	508	508	47
20°-30°	255.0	15.6	8.9	15°	475	488	515	547	558	134
30°-40°	405.5	24.8	14.2	25°	442	472	550	616	649	204
40°-50°	476.0	29.1	16.7	35°	400	462	607	850	945	250
50°-60°	252.9	15.4	8.9	45°	341	459	729	802	788	262
60°-70°	45.5	2.8	1.6	55°	239	405	345	172	122	210
70°-80°	7.3	0.4	0.3	65°	55	44	31	23	20	67
80°-90°	1.1	0.1	0.0	75°	6	7	7	6	5	8
90°-100°	0.0	0.0	0.0	85°	1	1	1	1	1	1
100°-110°	0.0	0.0	0.0	90°	0	0	0	0	0	0
110°-120°	0.0	0.0	0.0	95°	0	0	0	0	0	0
120°-130°	0.0	0.0	0.0	105°	0	0	0	0	0	0
130°-140°	0.0	0.0	0.0	115°	0	0	0	0	0	0
140°-150°	0.0	0.0	0.0	125°	0	0	0	0	0	0
150°-160°	0.0	0.0	0.0	135°	0	0	0	0	0	0
160°-170°	0.0	0.0	0.0	145°	0	0	0	0	0	0
170°-180°	0.0	0.0	0.0	155°	0	0	0	0	0	0
0°-30°	450.0	27.5	15.8	165°	0	0	0	0	0	0
0°-40°	855.5	52.2	30.0	175°	0	0	0	0	0	0
0°-60°	1584.4	96.7	55.6	180°	0	0	0	0	0	0
0°-90°	1638.2	100.0	57.5							
90°-120°	0.0	0.0	0.0							
90°-150°	0.0	0.0	0.0							
90°-180°	0.0	0.0	0.0							
0°-180°	1638.2	100.0	57.5							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499	499	499	499	499
2.5°	499	500	502	504	504
5°	497	501	505	508	508
7.5°	493	499	506	509	510
10°	488	496	503	517	524
12.5°	482	492	506	533	541
15°	475	488	515	547	558
17.5°	467	481	522	563	582
20°	460	475	529	586	607
22.5°	451	473	537	602	623
25°	442	472	550	616	649
27.5°	432	470	561	642	690
30°	422	467	568	687	785
32.5°	411	465	583	773	883
35°	400	462	607	850	945
37.5°	387	459	644	895	1000
40°	373	459	695	923	997
42.5°	358	460	730	892	934
45°	341	459	729	802	788
47.5°	321	457	694	649	614
50°	297	454	606	488	413
52.5°	270	440	484	314	229
55°	239	405	345	172	122
57.5°	206	332	218	93	68
60°	160	214	115	54	43
62.5°	105	100	56	35	29
65°	55	44	31	23	20
67.5°	25	25	20	16	14
70°	15	16	14	11	10
72.5°	10	10	9	8	7
75°	6	7	7	6	5
77.5°	4	5	5	4	3
80°	3	3	3	2	2
82.5°	2	2	2	1	1
85°	1	1	1	1	1
87.5°	0	0	0	0	0
90°	0	0	0	0	0
92.5°	0	0	0	0	0
95°	0	0	0	0	0
97.5°	0	0	0	0	0
100°	0	0	0	0	0
102.5°	0	0	0	0	0
105°	0	0	0	0	0
107.5°	0	0	0	0	0
110°	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0	0	0	0	0
115°	0	0	0	0	0
117.5°	0	0	0	0	0
120°	0	0	0	0	0
122.5°	0	0	0	0	0
125°	0	0	0	0	0
127.5°	0	0	0	0	0
130°	0	0	0	0	0
132.5°	0	0	0	0	0
135°	0	0	0	0	0
137.5°	0	0	0	0	0
140°	0	0	0	0	0
142.5°	0	0	0	0	0
145°	0	0	0	0	0
147.5°	0	0	0	0	0
150°	0	0	0	0	0
152.5°	0	0	0	0	0
155°	0	0	0	0	0
157.5°	0	0	0	0	0
160°	0	0	0	0	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)