

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: 115P126

Luminaire Tested: **PGX-132S19I-PAF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 115P126
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: PGX-132S19I-PAF
Description: 1 X 4 Recessed Convertible Body Troffer with
a 4" deep 9 cell semi-specular low iridescent
parabolic louver.
Light Source: F32T8/35K - 2900 Lumens - 32 Watts
Ballast/Driver: Triad-Utrad B232I120RH Electronic

Summary

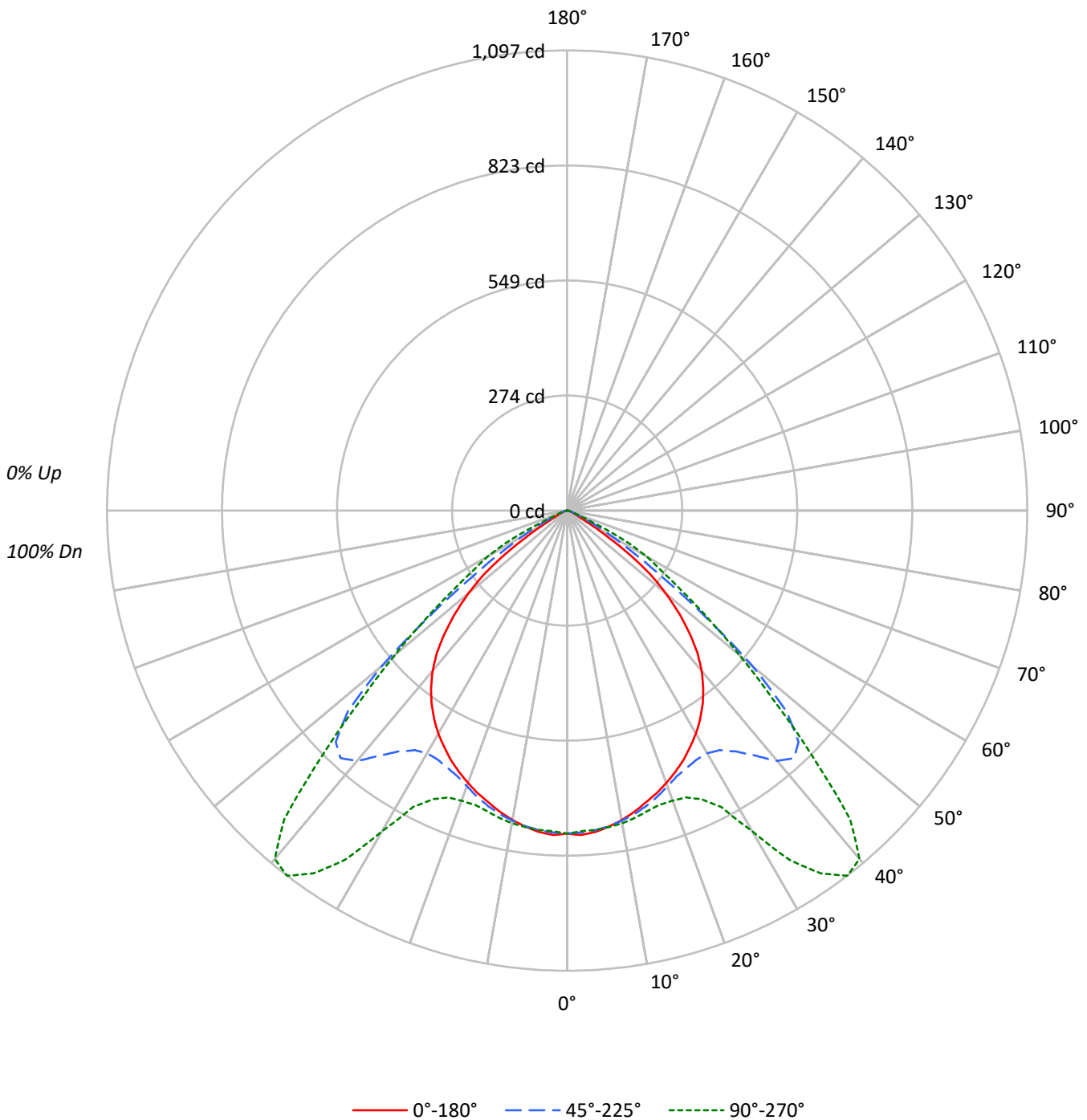
Lumens per Lamp: 2900 (1 lamp)
Luminaire Lumens: 1916.5 lumens
Efficiency: 66.1%
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.85 / 1.59
Luminous Opening: Rectangular (W 0.73' x L: 3.75' x H: 0')
CIE Type: Direct

Input Watts (W): 36.9
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	79	79	79	79	77	77	77	77	73	73	73		70	70	70		67	67	67	66
1	74	71	69	67	72	70	68	66	67	65	64		65	63	62		62	61	60	59
2	68	64	60	57	67	63	59	57	60	58	55		58	56	54		56	55	53	52
3	63	57	53	49	62	56	52	49	54	51	48		53	50	47		51	48	46	45
4	58	51	46	42	57	50	46	42	49	45	42		47	44	41		46	43	41	39
5	54	46	41	37	52	46	41	37	44	40	37		43	39	36		42	38	36	35
6	50	42	36	33	49	41	36	32	40	36	32		39	35	32		38	34	32	30
7	46	38	33	29	45	37	32	29	36	32	29		36	31	28		35	31	28	27
8	43	35	29	26	42	34	29	26	33	29	26		33	28	25		32	28	25	24
9	40	32	27	23	39	31	26	23	31	26	23		30	26	23		29	26	23	22
10	37	29	24	21	37	29	24	21	28	24	21		28	24	21		27	23	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3031	3031	3031
5°	3039	3023	3019
10°	2994	3002	3026
15°	2938	2971	3020
20°	2895	2928	3083
25°	2849	2936	3297
30°	2791	3036	4013
35°	2705	3369	5074
40°	2564	4003	5570
45°	2294	4342	4587
50°	1880	3521	3295
55°	1228	1908	2292
60°	417	968	1716
65°	205	401	652
70°	138	207	253
75°	91	137	152
80°	68	91	113
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°	72.6	3.8	2.5	0°	770	770	770	770	770	
10°-20°	206.1	10.8	7.1	5°	769	764	765	766	764	73
20°-30°	322.4	16.8	11.1	15°	721	720	729	738	741	204
30°-40°	472.5	24.7	16.3	25°	656	658	676	724	759	302
40°-50°	511.6	26.7	17.6	35°	563	577	701	943	1056	351
50°-60°	263.6	13.8	9.1	45°	412	507	780	828	824	315
60°-70°	56.1	2.9	1.9	55°	179	292	278	324	334	158
70°-80°	10.1	0.5	0.3	65°	22	29	43	61	70	25
80°-90°	1.5	0.1	0.1	75°	6	8	9	10	10	7
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°	601.1	31.4	20.7	165°	0	0	0	0	0	0
0°-40°	1073.6	56.0	37.0	175°	0	0	0	0	0	0
0°-60°	1848.8	96.5	63.8	180°	0	0	0	0	0	0
0°-90°	1916.5	100.0	66.1							
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°	1916.5	100.0	66.1							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770	770	770	770	770
2.5°	774	768	768	768	765
5°	769	764	765	766	764
7.5°	760	757	759	762	761
10°	749	746	751	757	757
12.5°	736	734	741	750	750
15°	721	720	729	738	741
17.5°	707	706	715	727	735
20°	691	691	699	722	736
22.5°	674	676	685	720	740
25°	656	658	676	724	759
27.5°	635	640	669	745	797
30°	614	619	668	784	883
32.5°	590	598	677	864	988
35°	563	577	701	943	1056
37.5°	533	557	736	984	1097
40°	499	539	779	992	1084
42.5°	459	523	800	944	999
45°	412	507	780	828	824
47.5°	361	489	709	656	663
50°	307	458	575	519	538
52.5°	250	393	413	414	426
55°	179	292	278	324	334
57.5°	104	177	187	249	265
60°	53	88	123	183	218
62.5°	32	45	76	119	155
65°	22	29	43	61	70
67.5°	16	20	26	32	35
70°	12	15	18	21	22
72.5°	9	11	13	15	15
75°	6	8	9	10	10
77.5°	4	5	6	7	7
80°	3	4	4	5	5
82.5°	2	2	2	3	3
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)