

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: 188P131

Luminaire Tested: **2EP3GX-332W26P-2BC-PAF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 188P131
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2EP3GX-332W26P-2BC-PAF
Description: 2 X 4 Recessed Convertible Body Luminaire with a 3" deep
12 cell white painted parabolic louver.
Light Source: Three - FO32T8/35K - 2800 Lumens ea. - 32 Watts ea.
Ballast/Driver: Magnetek B332I120RH Electronic - L.O.B.F. = 88.9

Summary

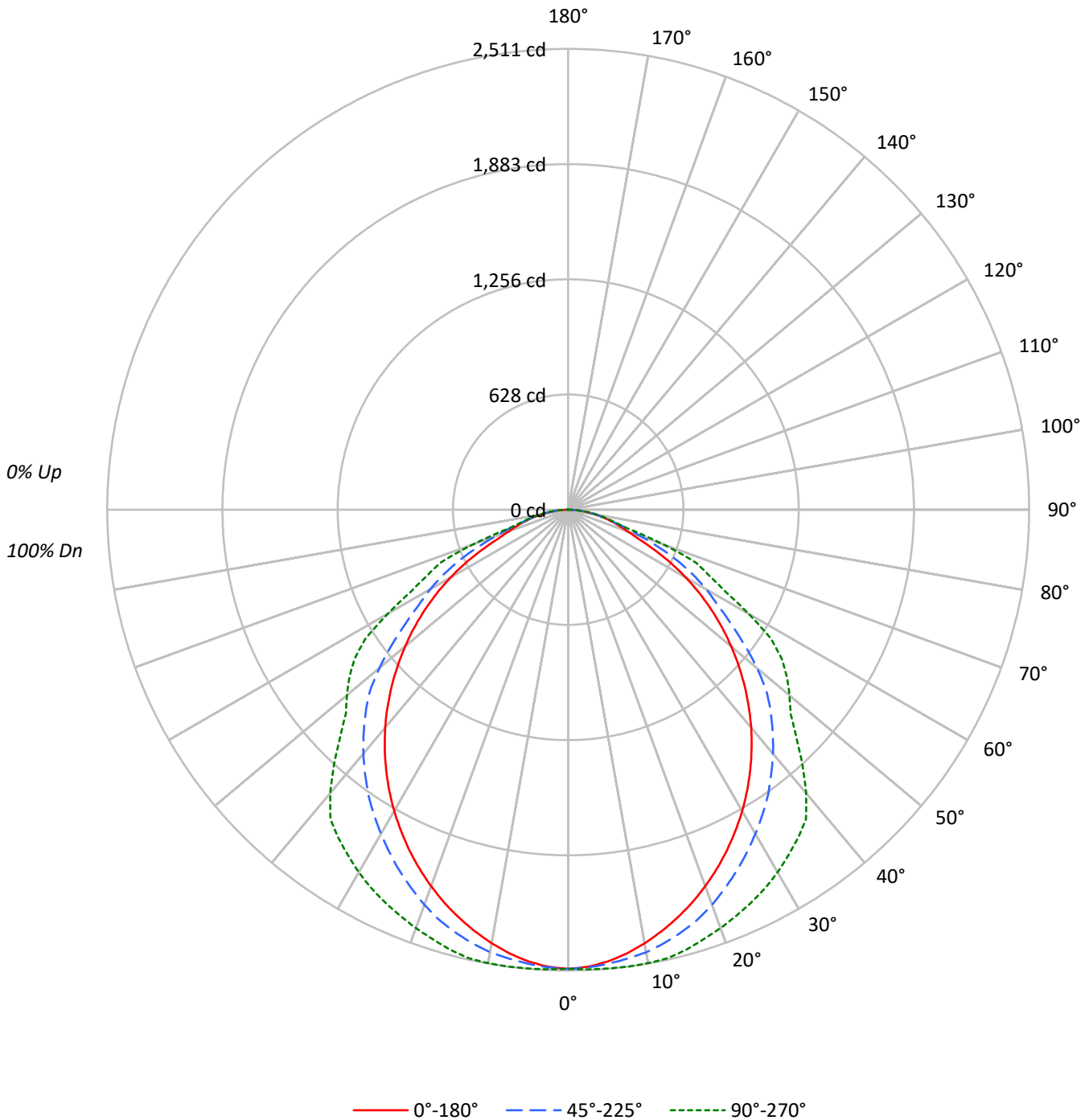
Lumens per Lamp: 2800 (3 lamps)
Luminaire Lumens: 6340.9 lumens
Efficiency: 75.5%
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.35 / 1.34
Luminous Opening: Rectangular (W 1.73' x L: 3.75' x H: 0')
CIE Type: Direct

Input Watts (W): 86.9
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	90	90	90	90	88	88	88	88	84	84	84	80	80	80	77	77	77	75						75													
1	83	79	76	74	81	78	75	73	75	72	70	72	70	68	69	67	66	65						65													
2	76	70	65	61	74	68	64	60	66	62	59	63	60	58	61	59	56	55						55													
3	69	62	56	51	67	61	55	51	58	54	50	56	52	49	54	51	48	47						47													
4	64	55	49	44	62	54	48	43	52	47	43	50	46	42	49	45	42	40						40													
5	59	49	43	38	57	48	42	38	47	41	37	45	41	37	44	40	37	35						35													
6	54	44	38	33	53	44	38	33	42	37	33	41	36	33	40	36	32	31						31													
7	50	40	34	29	49	40	34	29	39	33	29	38	33	29	37	32	29	27						27													
8	47	37	31	26	46	36	30	26	35	30	26	34	30	26	34	29	26	24						24													
9	44	34	28	24	43	33	28	24	33	27	24	32	27	23	31	27	23	22						22													
10	41	31	25	22	40	31	25	22	30	25	21	30	25	21	29	24	21	20						20													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4153	4153	4153
5°	4117	4139	4181
10°	4044	4126	4229
15°	3954	4095	4265
20°	3856	4047	4285
25°	3749	3978	4324
30°	3632	3908	4372
35°	3504	3844	4424
40°	3361	3762	4368
45°	3190	3662	4125
50°	2993	3468	4062
55°	2764	3128	4112
60°	2460	2882	3765
65°	2042	2577	3319
70°	1665	2024	2660
75°	1552	1610	1661
80°	1424	1472	1558
85°	1238	1314	1409



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	236.2	3.7	2.8	0°	2502	2502	2502	2502	2502	
10°-20°	672.7	10.6	8.0	5°	2471	2472	2484	2499	2509	234
20°-30°	1007.9	15.9	12.0	15°	2301	2320	2383	2450	2482	648
30°-40°	1202.5	19.0	14.3	25°	2047	2088	2172	2283	2361	942
40°-50°	1195.7	18.9	14.2	35°	1729	1784	1897	2059	2183	1081
50°-60°	1009.9	15.9	12.0	45°	1359	1415	1560	1668	1757	1047
60°-70°	656.1	10.3	7.8	55°	955	1010	1081	1256	1421	851
70°-80°	281.4	4.4	3.4	65°	520	564	656	730	845	520
80°-90°	78.5	1.2	0.9	75°	242	244	251	257	259	257
90°-100°	0.0	0.0	0.0	85°	65	67	69	72	74	71
100°-110°	0.0	0.0	0.0	90°	0	0	0	0	0	4
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°	1916.7	30.2	22.8	165°	0	0	0	0	0	0
0°-40°	3119.2	49.2	37.1	175°	0	0	0	0	0	0
0°-60°	5324.8	84.0	63.4	180°	0	0	0	0	0	0
0°-90°	6340.9	100.0	75.5							
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°	6340.9	100.0	75.5							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2502	2502	2502	2502	2502
2.5°	2493	2491	2496	2502	2507
5°	2471	2472	2484	2499	2509
7.5°	2439	2443	2468	2497	2511
10°	2399	2407	2448	2489	2509
12.5°	2352	2365	2419	2474	2503
15°	2301	2320	2383	2450	2482
17.5°	2245	2270	2342	2412	2454
20°	2183	2215	2291	2373	2426
22.5°	2117	2154	2232	2329	2394
25°	2047	2088	2172	2283	2361
27.5°	1973	2019	2107	2236	2324
30°	1895	1947	2039	2181	2281
32.5°	1814	1868	1970	2123	2232
35°	1729	1784	1897	2059	2183
37.5°	1641	1696	1817	1995	2127
40°	1551	1605	1736	1919	2016
42.5°	1456	1512	1649	1800	1889
45°	1359	1415	1560	1668	1757
47.5°	1260	1316	1466	1535	1642
50°	1159	1216	1343	1419	1573
52.5°	1058	1115	1211	1340	1503
55°	955	1010	1081	1256	1421
57.5°	848	903	964	1159	1310
60°	741	792	868	1037	1134
62.5°	632	680	766	872	963
65°	520	564	656	730	845
67.5°	414	448	532	628	753
70°	343	353	417	519	548
72.5°	292	294	324	356	336
75°	242	244	251	257	259
77.5°	195	197	200	205	209
80°	149	151	154	159	163
82.5°	106	108	111	114	118
85°	65	67	69	72	74
87.5°	29	29	31	31	33
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)