

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: ITL49392

Luminaire Tested: **PGX-132S26I**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: ITL49392
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: PGX-132S26I
Description: FABRICATED METAL HOUSING WITH WHITE PAINTED GENERAL INTERIOR FINISH, FABRICATED WHITE PAINTED METAL BALLAST COVER, FABRICATED SEMI-SPECULAR METAL PARABOLIC 12-CELL LOUVER.
Light Source: ONE 32-WATT T-8 F32T8/TL735 LINEAR FLUORESCENT.
Ballast/Driver: MOTOROLA M1-IN-T8-GP-D-120, L.O.B.F. = 87.5%

Summary

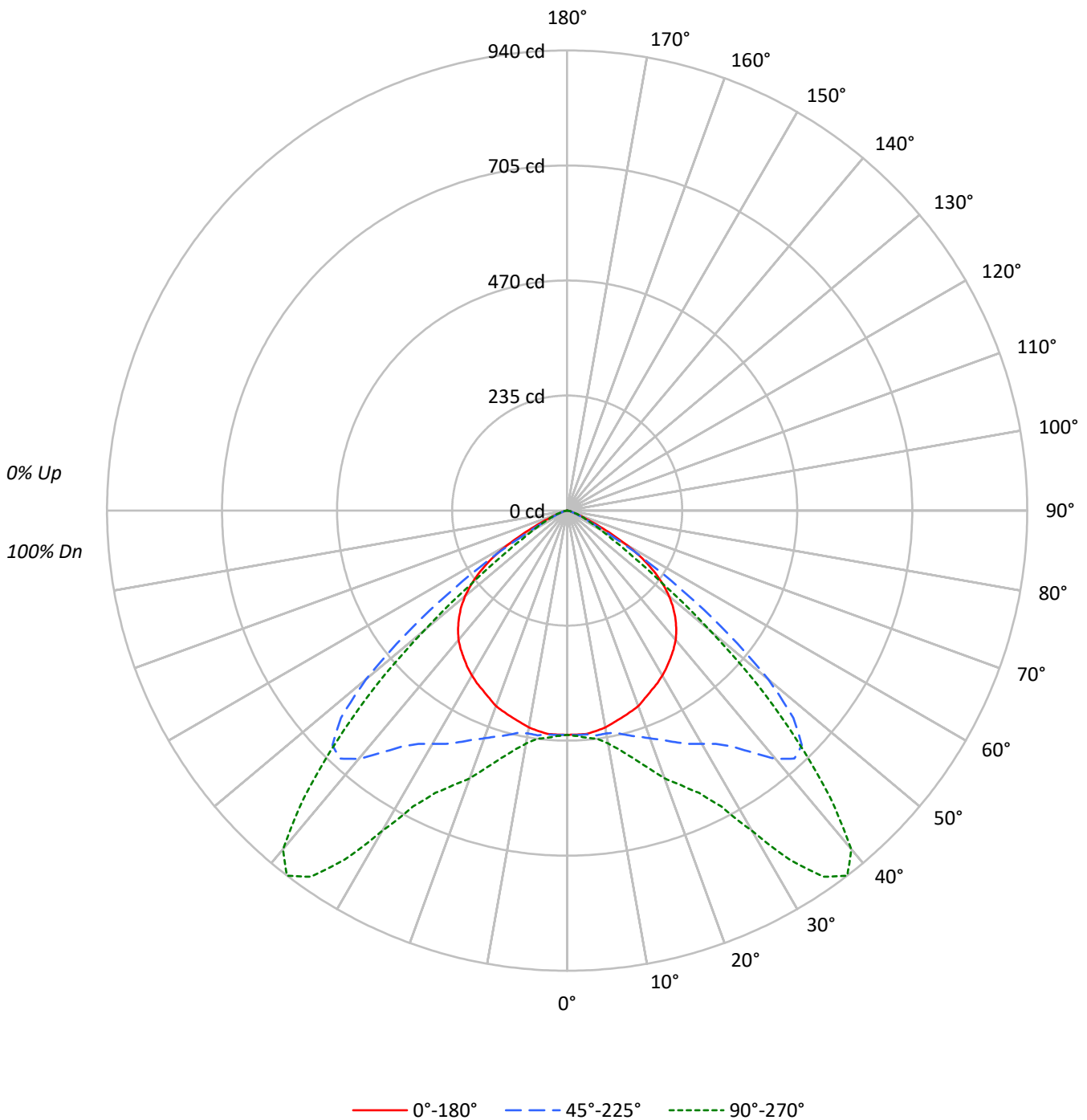
Lumens per Lamp: 2800 (1 lamp)
Luminaire Lumens: 1544.0 lumens
Efficiency: 55.1%
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 2.01 / 1.76
Luminous Opening: Rectangular (W 0.74' x L: 3.76' x H: 0')
CIE Type: Direct

Input Watts (W): 29.7
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									70									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	66	66	66	66	64	64	64	64	61	61	61	59	59	59	56	56	56	55																				
1	61	59	57	56	60	58	56	55	56	54	53	54	52	51	52	51	50	49																				
2	57	53	50	47	55	52	49	47	50	48	45	48	46	44	47	45	43	42																				
3	52	47	43	40	51	46	43	40	45	42	39	43	41	38	42	40	38	37																				
4	48	42	38	34	47	41	37	34	40	36	34	39	36	33	38	35	33	32																				
5	44	38	33	30	43	37	33	30	36	32	29	35	32	29	34	31	29	28																				
6	41	34	29	26	40	33	29	26	32	29	26	31	28	25	31	28	25	24																				
7	38	31	26	23	37	30	26	23	29	25	23	29	25	22	28	25	22	21																				
8	35	28	23	20	34	27	23	20	27	23	20	26	22	20	25	22	20	19																				
9	32	25	21	18	32	25	21	18	24	21	18	24	20	18	23	20	18	17																				
10	30	23	19	16	30	23	19	16	22	19	16	22	18	16	21	18	16	15																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1773	1773	1773
5°	1779	1783	1810
10°	1768	1816	1898
15°	1751	1903	2100
20°	1750	2039	2397
25°	1734	2229	2716
30°	1738	2458	3379
35°	1739	2778	4314
40°	1743	3345	4562
45°	1713	3711	3640
50°	1638	3227	2288
55°	1464	2011	1107
60°	1091	882	611
65°	540	348	385
70°	226	215	272
75°	135	135	164
80°	67	45	67
85°	44	0	44



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	44.1	2.9	1.6	0°	458	458	458	458	458	
10°-20°	136.2	8.8	4.9	5°	458	458	459	463	466	43
20°-30°	242.7	15.7	8.7	15°	437	449	475	509	524	124
30°-40°	384.8	24.9	13.7	25°	406	437	522	600	636	188
40°-50°	431.9	28.0	15.4	35°	368	433	588	806	913	230
50°-60°	237.4	15.4	8.5	45°	313	439	678	697	665	240
60°-70°	55.3	3.6	2.0	55°	217	364	298	190	164	190
70°-80°	10.6	0.7	0.4	65°	59	53	38	40	42	66
80°-90°	1.1	0.1	0.0	75°	9	9	9	10	11	10
90°-100°	0.0	0.0	0.0	85°	1	1	0	1	1	1
100°-110°	0.0	0.0	0.0	90°	0	0	0	0	0	
110°-120°	0.0	0.0	0.0							
120°-130°	0.0	0.0	0.0							
130°-140°	0.0	0.0	0.0							
140°-150°	0.0	0.0	0.0							
150°-160°	0.0	0.0	0.0							
160°-170°	0.0	0.0	0.0							
170°-180°	0.0	0.0	0.0							
0°-30°	423.0	27.4	15.1							
0°-40°	807.8	52.3	28.8							
0°-60°	1477.0	95.7	52.8							
0°-90°	1544.0	100.0	55.1							
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°	1544.0	100.0	55.1							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	458	458	458	458	458
2.5°	458	460	459	459	461
5°	458	458	459	463	466
7.5°	454	456	463	468	470
10°	450	452	462	475	483
12.5°	443	450	465	489	501
15°	437	449	475	509	524
17.5°	431	444	484	529	551
20°	425	438	495	555	582
22.5°	415	437	507	579	607
25°	406	437	522	600	636
27.5°	398	435	537	628	681
30°	389	434	550	673	756
32.5°	379	434	565	742	845
35°	368	433	588	806	913
37.5°	357	434	623	845	940
40°	345	436	662	849	903
42.5°	330	438	687	803	796
45°	313	439	678	697	665
47.5°	294	436	627	558	530
50°	272	427	536	426	380
52.5°	246	408	418	296	249
55°	217	364	298	190	164
57.5°	182	294	196	122	110
60°	141	200	114	81	79
62.5°	96	108	64	58	58
65°	59	53	38	40	42
67.5°	35	30	26	30	32
70°	20	20	19	21	24
72.5°	13	13	12	14	17
75°	9	9	9	10	11
77.5°	6	5	5	6	7
80°	3	3	2	3	3
82.5°	2	2	2	2	2
85°	1	1	0	1	1
87.5°	0	0	0	0	0
90°	0	0	0	0	0

(END OF REPORT)