

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: ITL49389

Luminaire Tested: **PGX-132S16I**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: ITL49389
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: PGX-132S16I
Description: FABRICATED METAL HOUSING WITH WHITE PAINTED GENERAL INTERIOR FINISH, FABRICATED WHITE PAINTED METAL BALLAST COVER, FABRICATED SEMI-SPECULAR METAL PARABOLIC 6-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

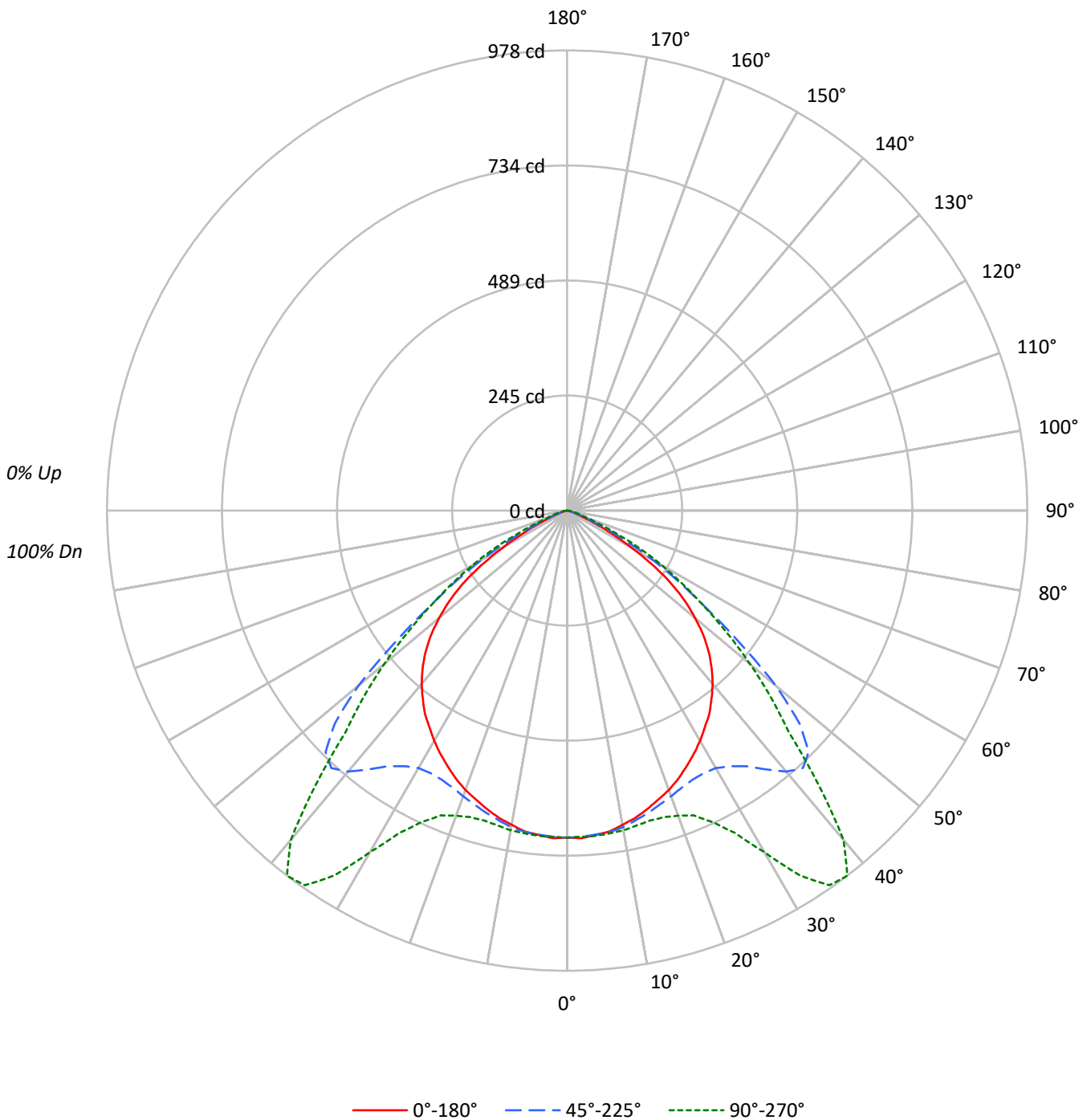
Lumens per Lamp: 2800 (1 lamp)
Luminaire Lumens: 1904.8 lumens
Efficiency: 68.0%
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.78 / 1.62
Luminous Opening: Rectangular (W 0.74' x L: 3.76' x H: 0')
CIE Type: Direct

Input Watts (W): 29.9
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



TEST NUMBER: ITL49389
CATALOG NUMBER: PGX-132S16I

Luminous Intensity Polar Plot





TEST NUMBER: ITL49389
 CATALOG NUMBER: PGX-132S16I

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	81	81	81	81	79	79	79	79	76	76	76	72	72	72	69	69	69	68
1	76	73	71	69	74	71	69	67	69	67	65	66	65	63	64	62	61	60
2	70	65	61	58	68	64	60	57	61	58	56	59	57	55	57	55	53	52
3	64	58	53	49	63	57	52	49	55	51	48	53	50	47	51	49	46	45
4	59	52	46	42	57	51	46	42	49	45	41	48	44	41	46	43	40	39
5	54	46	41	37	53	46	40	36	44	40	36	43	39	36	42	38	35	34
6	50	42	36	32	49	41	36	32	40	35	32	39	35	31	38	34	31	30
7	46	38	32	28	45	37	32	28	36	31	28	35	31	28	34	30	28	26
8	43	34	29	25	42	34	29	25	33	28	25	32	28	25	31	28	25	23
9	40	31	26	22	39	31	26	22	30	26	22	30	25	22	29	25	22	21
10	38	29	24	20	37	29	24	20	28	23	20	27	23	20	27	23	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2690	2690	2690
5°	2688	2685	2696
10°	2665	2684	2712
15°	2632	2665	2733
20°	2603	2661	2842
25°	2562	2695	3117
30°	2525	2824	3745
35°	2490	3132	4592
40°	2430	3658	4618
45°	2332	3974	3645
50°	2137	3486	3059
55°	1822	2422	2409
60°	1231	1626	1796
65°	604	806	1062
70°	226	317	498
75°	135	164	329
80°	45	89	201
85°	0	0	44



TEST NUMBER: ITL49389
 CATALOG NUMBER: PGX-132S16I

ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	65.8	3.5	2.4	0°	695	695	695	695	695	
10°-20°	188.9	9.9	6.7	5°	692	692	691	693	694	66
20°-30°	302.2	15.9	10.8	15°	657	660	665	676	682	185
30°-40°	439.5	23.1	15.7	25°	600	606	631	689	730	277
40°-50°	472.1	24.8	16.9	35°	527	545	663	867	972	329
50°-60°	317.5	16.7	11.3	45°	426	501	726	704	666	326
60°-70°	101.6	5.3	3.6	55°	270	406	359	348	357	236
70°-80°	15.8	0.8	0.6	65°	66	77	88	108	116	73
80°-90°	1.3	0.1	0.0	75°	9	10	11	17	22	10
90°-100°	0.0	0.0	0.0	85°	0	0	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°	556.9	29.2	19.9							
0°-40°	996.3	52.3	35.6							
0°-60°	1786.0	93.8	63.8							
0°-90°	1904.8	100.0	68.0							
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°	1904.8	100.0	68.0							



TEST NUMBER: ITL49389
 CATALOG NUMBER: PGX-132S16I

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	695	695	695	695	695
2.5°	697	695	694	694	694
5°	692	692	691	693	694
7.5°	688	687	689	691	692
10°	678	680	683	687	690
12.5°	669	670	674	681	685
15°	657	660	665	676	682
17.5°	644	649	655	672	683
20°	632	636	646	672	690
22.5°	617	620	637	677	701
25°	600	606	631	689	730
27.5°	583	591	629	717	772
30°	565	576	632	757	838
32.5°	545	559	644	816	919
35°	527	545	663	867	972
37.5°	504	531	693	893	978
40°	481	518	724	885	914
42.5°	455	509	742	821	792
45°	426	501	726	704	666
47.5°	393	491	670	575	587
50°	355	478	579	495	508
52.5°	315	454	463	419	430
55°	270	406	359	348	357
57.5°	216	332	281	281	291
60°	159	236	210	221	232
62.5°	108	142	145	162	174
65°	66	77	88	108	116
67.5°	36	44	48	65	69
70°	20	26	28	39	44
72.5°	13	15	18	26	31
75°	9	10	11	17	22
77.5°	6	7	7	10	14
80°	2	2	4	7	9
82.5°	1	2	2	3	3
85°	0	0	0	1	1
87.5°	0	0	0	0	0
90°	0	0	0	0	0

(END OF REPORT)