

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: METALUX

Report Number: P284423

Luminaire Tested: **14FP2630C**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P284423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1808-913-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14FP2630C  
Description: 1x4 25W 3000K SE 80CRI

Light Source: -  
Ballast/Driver: -

**Summary**

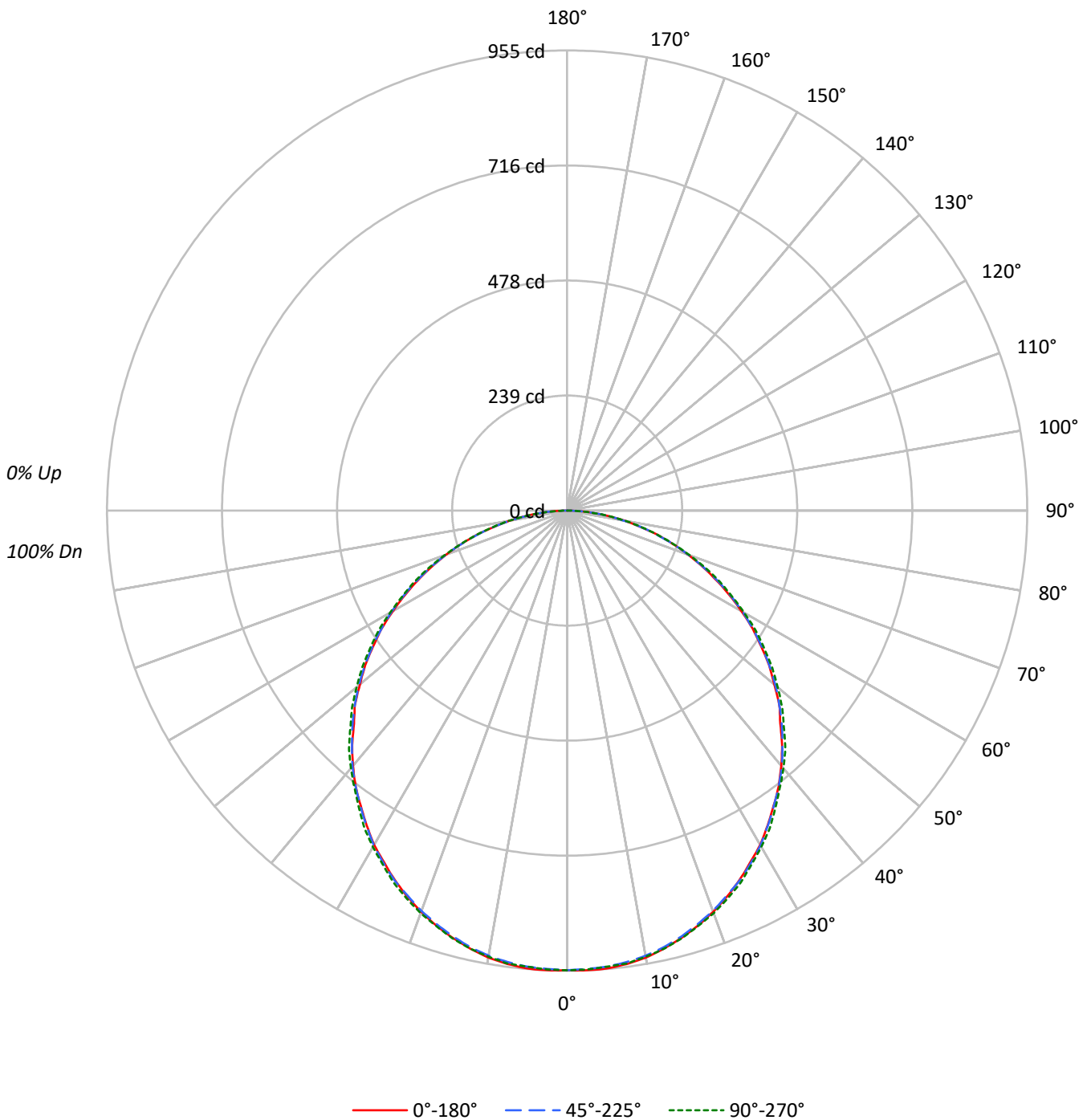
Lumens per Lamp: N/A  
Luminaire Lumens: 2743.8 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2567	2567	2567
5°	2577	2566	2566
10°	2574	2563	2569
15°	2557	2549	2560
20°	2538	2532	2546
25°	2512	2515	2530
30°	2490	2493	2505
35°	2455	2458	2474
40°	2428	2435	2453
45°	2380	2399	2422
50°	2350	2363	2388
55°	2306	2315	2343
60°	2248	2264	2285
65°	2175	2194	2226
70°	2098	2106	2130
75°	2015	1994	2015
80°	1874	1843	1905
85°	1633	1664	1633



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.4	3.3
10°-20°	258.6	9.4
20°-30°	390.5	14.2
30°-40°	469.6	17.1
40°-50°	487.1	17.8
50°-60°	442.2	16.1
60°-70°	341.1	12.4
70°-80°	203.8	7.4
80°-90°	60.6	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	739.5	27.0
0°-40°	1209.0	44.1
0°-60°	2138.3	77.9
0°-90°	2743.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2743.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	954	951	950	950	950	91
15°	918	917	915	916	919	259
25°	846	846	847	848	852	390
35°	747	750	748	750	753	468
45°	625	629	630	633	636	484
55°	492	494	494	496	500	440
65°	342	344	345	347	350	338
75°	194	192	192	193	194	204
85°	53	54	54	53	53	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	954.0	954.0	954.0	954.0	954.0
2.5°	955.0	955.0	952.0	953.0	953.0
5°	954.0	951.0	950.0	950.0	950.0
7.5°	949.0	946.0	945.0	946.0	948.0
10°	942.0	938.0	938.0	938.0	940.0
12.5°	931.0	929.0	928.0	927.0	931.0
15°	918.0	917.0	915.0	916.0	919.0
17.5°	903.0	901.1	900.1	903.0	904.0
20°	886.1	884.1	884.1	887.1	889.1
22.5°	867.1	867.1	865.1	868.1	871.1
25°	846.1	846.1	847.1	848.1	852.1
27.5°	823.1	824.1	825.1	827.1	828.1
30°	801.2	800.2	802.2	804.2	806.2
32.5°	774.2	776.2	775.2	780.2	782.2
35°	747.2	750.2	748.2	750.2	753.2
37.5°	721.2	722.2	721.2	725.2	725.2
40°	691.3	691.3	693.3	696.3	698.3
42.5°	660.3	661.3	661.3	665.3	670.3
45°	625.3	629.3	630.3	633.3	636.3
47.5°	597.4	596.4	597.4	600.4	605.4
50°	561.4	563.4	564.4	567.4	570.4
52.5°	528.4	529.4	529.4	532.4	536.4
55°	491.5	493.5	493.5	496.5	499.5
57.5°	456.5	455.5	457.5	460.5	464.5
60°	417.6	417.6	420.6	422.6	424.6
62.5°	379.6	380.6	382.6	385.6	385.6
65°	341.6	343.6	344.6	346.6	349.6
67.5°	303.7	304.7	305.7	307.7	310.7
70°	266.7	266.7	267.7	269.7	270.7
72.5°	229.8	228.8	228.8	232.8	231.8
75°	193.8	191.8	191.8	192.8	193.8
77.5°	154.8	153.8	155.8	156.8	156.8
80°	120.9	119.9	118.9	119.9	122.9
82.5°	85.9	85.9	84.9	85.9	85.9
85°	52.9	53.9	53.9	52.9	52.9
87.5°	25.0	24.0	24.0	23.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)