

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: P284424

Luminaire Tested: **14FP2635C**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P284424  
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: 14FP2635C  
Description: 1x4 25W 3500K SE 80CRI

Light Source: -  
Ballast/Driver: -

**Summary**

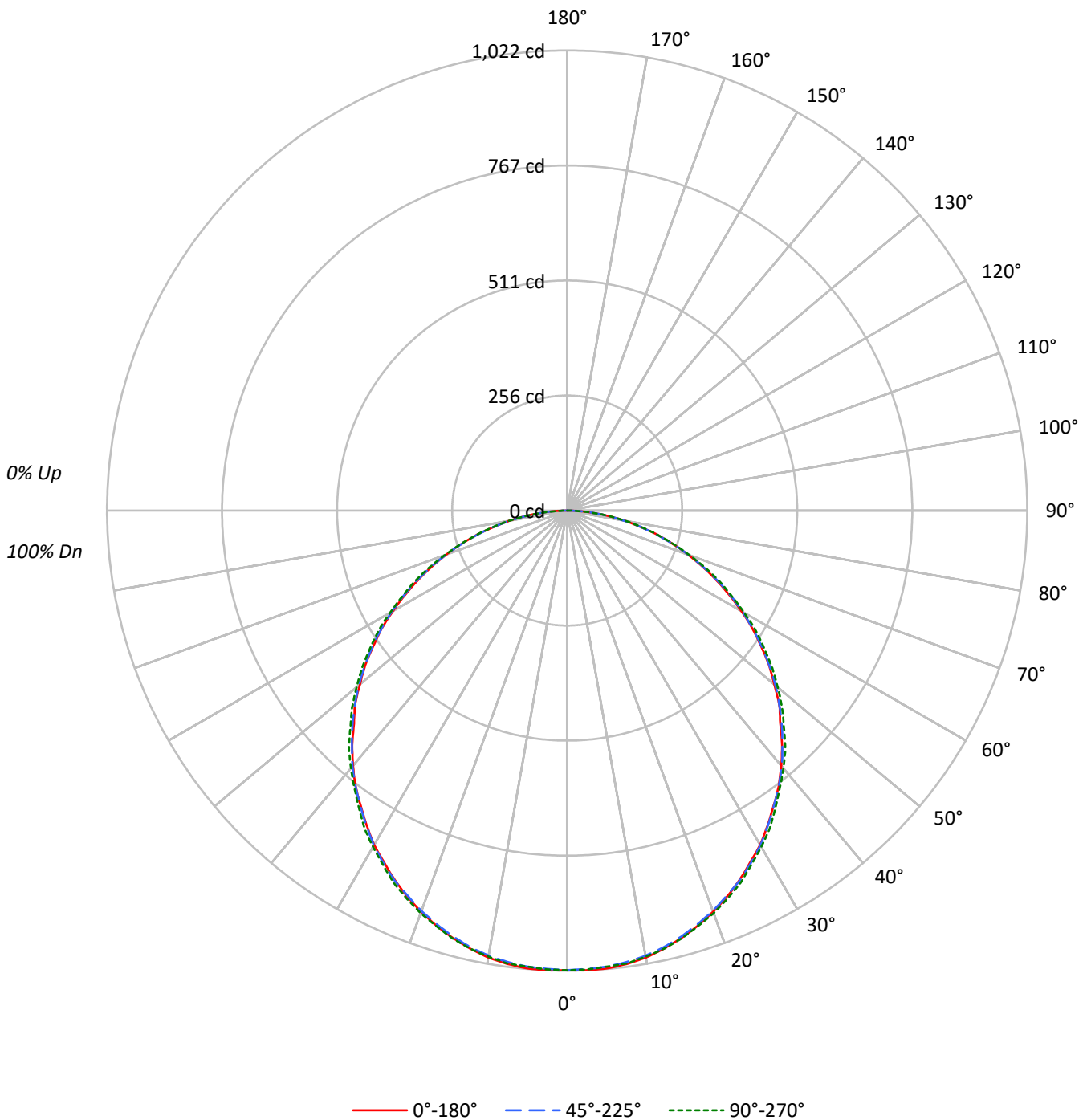
Lumens per Lamp: N/A  
Luminaire Lumens: 2936.3 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.5  
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: P284424  
CATALOG NUMBER: 14FP2635C

### Luminous Intensity Polar Plot





TEST NUMBER: P284424  
 CATALOG NUMBER: 14FP2635C

**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°	2747	2747	2747
5°	2758	2746	2746
10°	2755	2743	2749
15°	2737	2728	2740
20°	2715	2709	2725
25°	2689	2692	2708
30°	2664	2667	2681
35°	2627	2630	2648
40°	2599	2606	2625
45°	2547	2567	2592
50°	2515	2529	2555
55°	2468	2478	2508
60°	2405	2422	2445
65°	2328	2348	2383
70°	2245	2254	2279
75°	2156	2135	2156
80°	2005	1971	2038
85°	1751	1782	1751



TEST NUMBER: P284424  
 CATALOG NUMBER: 14FP2635C

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	3.3
10°-20°	276.7	9.4
20°-30°	417.9	14.2
30°-40°	502.5	17.1
40°-50°	521.2	17.8
50°-60°	473.2	16.1
60°-70°	365.1	12.4
70°-80°	218.0	7.4
80°-90°	64.9	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°	791.4	27.0
0°-40°	1293.9	44.1
0°-60°	2288.3	77.9
0°-90°	2936.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2936.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1021	1018	1017	1017	1017	97
15°	982	981	979	980	984	277
25°	906	906	906	908	912	417
35°	800	803	801	803	806	501
45°	669	674	675	678	681	518
55°	526	528	528	531	534	471
65°	366	368	369	371	374	362
75°	207	205	205	206	207	218
85°	57	58	58	57	57	65
90°	0	0	0	0	0	



TEST NUMBER: P284424  
 CATALOG NUMBER: 14FP2635C

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1020.9	1020.9	1020.9	1020.9	1020.9
2.5°	1022.0	1022.0	1018.8	1019.9	1019.9
5°	1020.9	1017.7	1016.7	1016.7	1016.7
7.5°	1015.6	1012.4	1011.3	1012.4	1014.5
10°	1008.1	1003.8	1003.8	1003.8	1006.0
12.5°	996.3	994.2	993.1	992.1	996.3
15°	982.4	981.4	979.2	980.3	983.5
17.5°	966.4	964.3	963.2	966.4	967.5
20°	948.2	946.1	946.1	949.3	951.4
22.5°	927.9	927.9	925.8	929.0	932.2
25°	905.5	905.5	906.5	907.6	911.9
27.5°	880.9	882.0	883.0	885.2	886.2
30°	857.4	856.3	858.4	860.6	862.7
32.5°	828.5	830.6	829.6	834.9	837.1
35°	799.6	802.8	800.7	802.8	806.1
37.5°	771.8	772.9	771.8	776.1	776.1
40°	739.8	739.8	741.9	745.1	747.3
42.5°	706.6	707.7	707.7	712.0	717.3
45°	669.2	673.5	674.6	677.8	681.0
47.5°	639.3	638.2	639.3	642.5	647.8
50°	600.8	602.9	604.0	607.2	610.4
52.5°	565.5	566.6	566.6	569.8	574.1
55°	526.0	528.1	528.1	531.3	534.5
57.5°	488.5	487.5	489.6	492.8	497.1
60°	446.9	446.9	450.1	452.2	454.3
62.5°	406.2	407.3	409.4	412.6	412.6
65°	365.6	367.7	368.8	371.0	374.2
67.5°	325.0	326.1	327.1	329.3	332.5
70°	285.4	285.4	286.5	288.6	289.7
72.5°	245.9	244.8	244.8	249.1	248.0
75°	207.4	205.3	205.3	206.3	207.4
77.5°	165.7	164.6	166.8	167.8	167.8
80°	129.4	128.3	127.2	128.3	131.5
82.5°	91.9	91.9	90.9	91.9	91.9
85°	56.7	57.7	57.7	56.7	56.7
87.5°	26.7	25.7	25.7	24.6	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)