

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: P284417

Luminaire Tested: **24FP3130C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284417
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: 24FP3130C
Description: 2x4 30W 3000K SE 80CRI

Light Source: -
Ballast/Driver: -

Summary

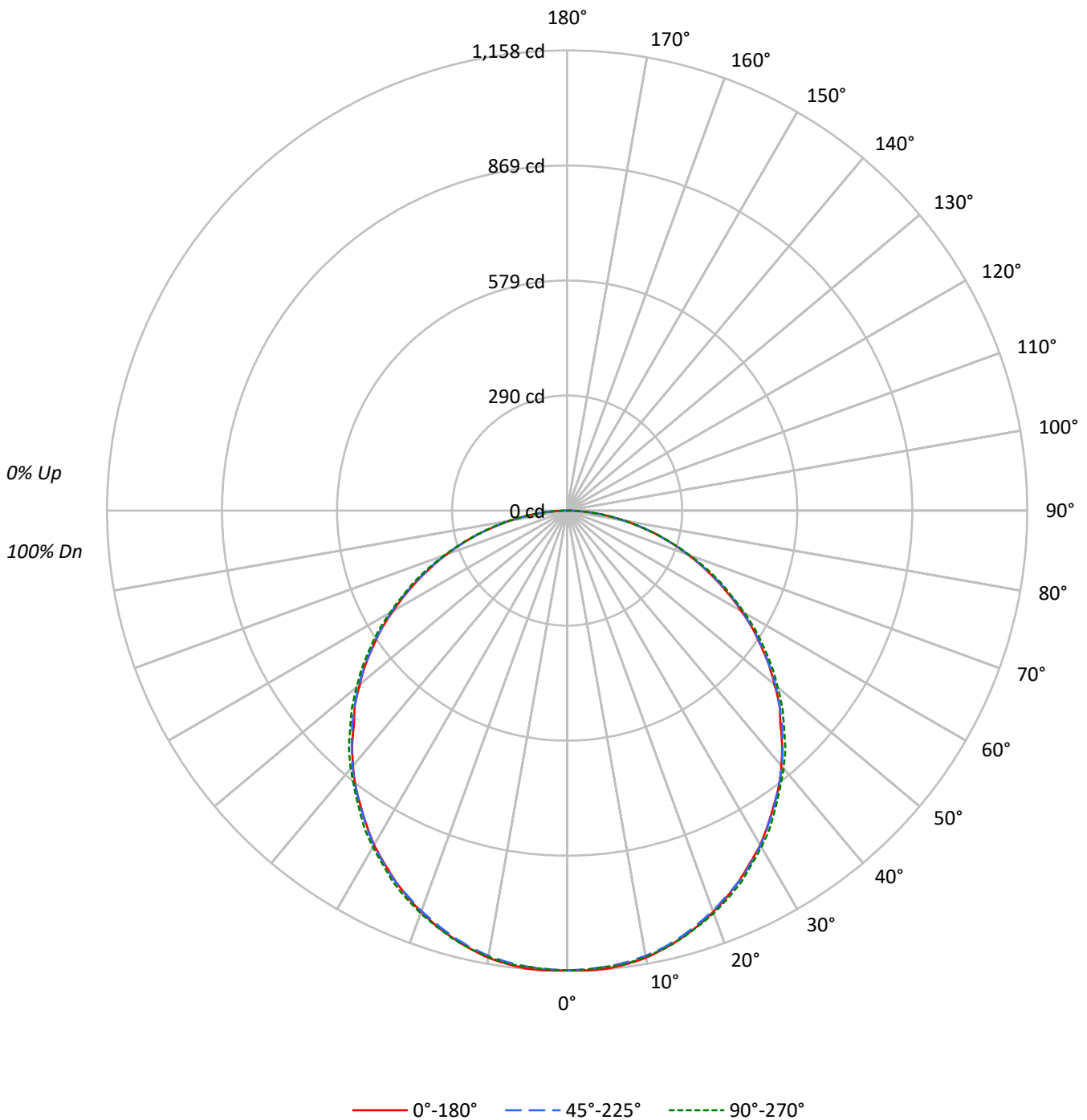
Lumens per Lamp: N/A
Luminaire Lumens: 3328.1 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	1557	1557	1557
5°	1563	1556	1556
10°	1561	1555	1558
15°	1551	1546	1553
20°	1539	1535	1544
25°	1524	1525	1534
30°	1510	1512	1519
35°	1489	1491	1501
40°	1473	1477	1488
45°	1443	1455	1469
50°	1425	1433	1448
55°	1398	1404	1421
60°	1363	1373	1386
65°	1319	1331	1350
70°	1273	1277	1292
75°	1222	1209	1222
80°	1136	1117	1155
85°	991	1010	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	3.3
10°-20°	313.6	9.4
20°-30°	473.7	14.2
30°-40°	569.6	17.1
40°-50°	590.8	17.8
50°-60°	536.4	16.1
60°-70°	413.8	12.4
70°-80°	247.1	7.4
80°-90°	73.5	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°	897.0	27.0
0°-40°	1466.5	44.1
0°-60°	2593.7	77.9
0°-90°	3328.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3328.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1157	1154	1152	1152	1152	110
15°	1114	1112	1110	1111	1115	314
25°	1026	1026	1028	1029	1034	473
35°	906	910	908	910	914	568
45°	758	763	765	768	772	588
55°	596	599	599	602	606	533
65°	414	417	418	420	424	410
75°	235	233	233	234	235	247
85°	64	65	65	64	64	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1157.2	1157.2	1157.2	1157.2	1157.2
2.5°	1158.4	1158.4	1154.7	1155.9	1155.9
5°	1157.2	1153.5	1152.3	1152.3	1152.3
7.5°	1151.1	1147.5	1146.2	1147.5	1149.9
10°	1142.6	1137.8	1137.8	1137.8	1140.2
12.5°	1129.3	1126.9	1125.6	1124.4	1129.3
15°	1113.5	1112.3	1109.9	1111.1	1114.7
17.5°	1095.4	1092.9	1091.7	1095.4	1096.6
20°	1074.8	1072.3	1072.3	1076.0	1078.4
22.5°	1051.7	1051.7	1049.3	1052.9	1056.6
25°	1026.3	1026.3	1027.5	1028.7	1033.6
27.5°	998.4	999.6	1000.8	1003.3	1004.5
30°	971.8	970.6	973.0	975.4	977.8
32.5°	939.1	941.5	940.3	946.3	948.7
35°	906.3	910.0	907.5	910.0	913.6
37.5°	874.8	876.0	874.8	879.7	879.7
40°	838.5	838.5	840.9	844.5	847.0
42.5°	800.9	802.1	802.1	807.0	813.0
45°	758.5	763.4	764.6	768.2	771.8
47.5°	724.6	723.4	724.6	728.2	734.3
50°	681.0	683.4	684.6	688.2	691.9
52.5°	641.0	642.2	642.2	645.8	650.7
55°	596.1	598.6	598.6	602.2	605.8
57.5°	553.7	552.5	554.9	558.6	563.4
60°	506.5	506.5	510.1	512.5	515.0
62.5°	460.4	461.6	464.1	467.7	467.7
65°	414.4	416.8	418.0	420.5	424.1
67.5°	368.4	369.6	370.8	373.2	376.8
70°	323.5	323.5	324.7	327.2	328.4
72.5°	278.7	277.5	277.5	282.3	281.1
75°	235.1	232.6	232.6	233.9	235.1
77.5°	187.8	186.6	189.0	190.2	190.2
80°	146.6	145.4	144.2	145.4	149.0
82.5°	104.2	104.2	103.0	104.2	104.2
85°	64.2	65.4	65.4	64.2	64.2
87.5°	30.3	29.1	29.1	27.9	26.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)