

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: P273730

Luminaire Tested: **4RCG-4-34D-L935**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P273730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1804-709-7-R2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RCG-4-34D-L935
Description: RCG SERIES DIRECT RECESSED LED LUMINAIRE WITH FROST FLUSH LENS
Light Source: (168) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

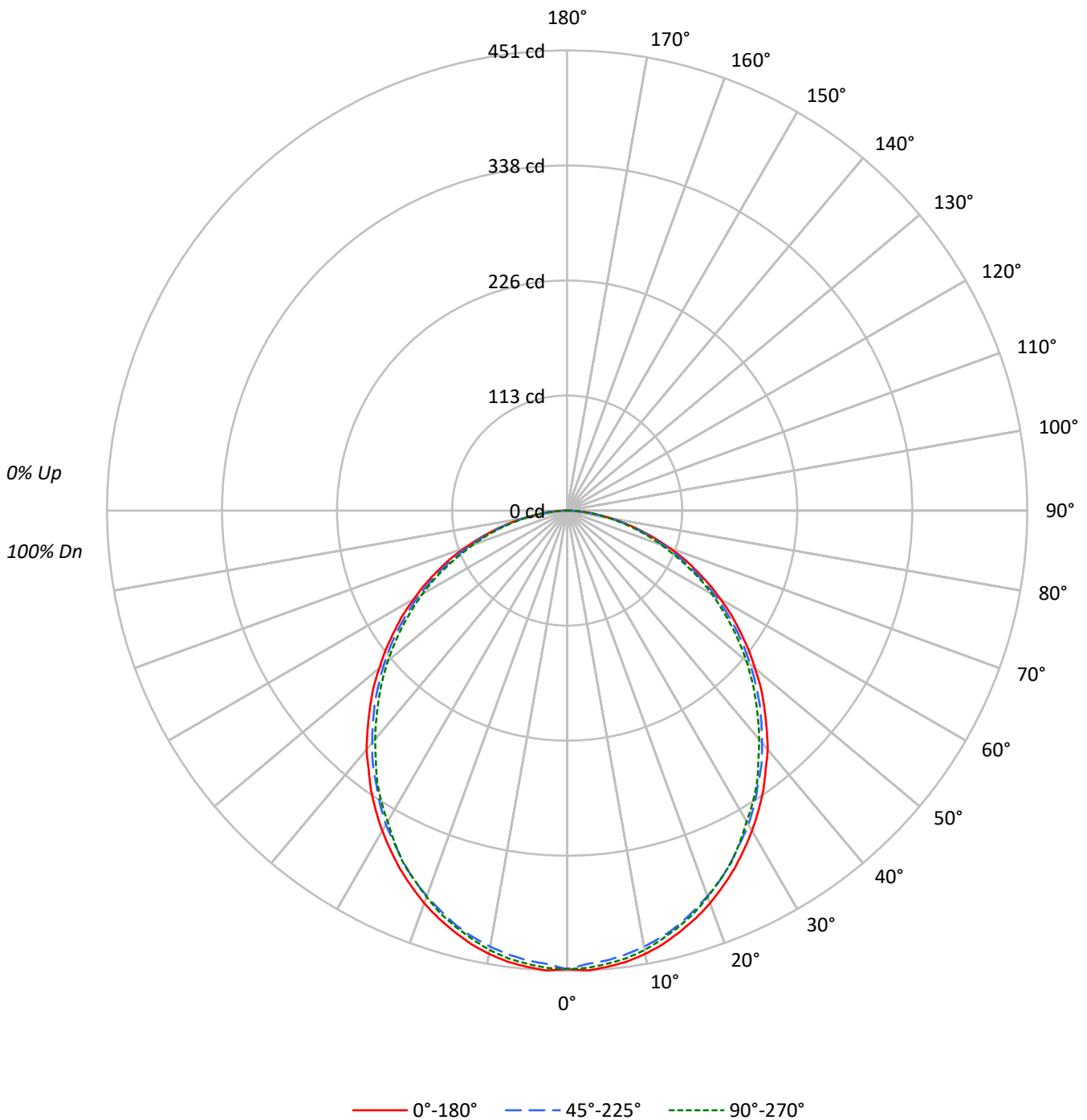
Lumens per Lamp: N/A
Luminaire Lumens: 1159.5 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.23' x L: 3.88' x H: 0')
CIE Type: Direct

Input Watts (W): 11.4
Input Voltage (V): 120
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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	48	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5446	5446	5446
5°	5463	5385	5427
10°	5429	5342	5382
15°	5361	5281	5299
20°	5283	5187	5197
25°	5183	5082	5092
30°	5072	4973	4925
35°	4957	4830	4802
40°	4839	4703	4631
45°	4683	4567	4477
50°	4530	4416	4324
55°	4372	4260	4150
60°	4206	4087	3971
65°	4021	3869	3740
70°	3771	3611	3480
75°	3456	3316	3213
80°	3036	2932	2827
85°	2559	2503	2295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	3.6
10°-20°	119.4	10.3
20°-30°	176.1	15.2
30°-40°	205.4	17.7
40°-50°	206.1	17.8
50°-60°	180.6	15.6
60°-70°	133.8	11.5
70°-80°	75.3	6.5
80°-90°	20.5	1.8
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°	337.7	29.1
0°-40°	543.2	46.8
0°-60°	929.8	80.2
0°-90°	1159.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	449	449	449	449	449	
5°	449	448	443	447	446	43
15°	427	426	421	423	422	120
25°	388	385	380	381	381	178
35°	335	332	326	325	324	209
45°	273	272	266	263	261	211
55°	207	207	202	198	196	185
65°	140	139	135	132	130	139
75°	74	72	71	70	69	78
85°	18	18	18	17	16	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	449.3	449.3	449.3	449.3	449.3
2.5°	451.2	449.7	444.8	449.0	448.6
5°	449.0	447.5	442.6	447.1	446.0
7.5°	446.0	444.1	438.8	443.0	442.6
10°	441.1	439.2	434.0	437.7	437.3
12.5°	435.1	433.2	428.0	431.0	430.2
15°	427.2	426.1	420.8	423.1	422.3
17.5°	419.0	417.1	411.5	413.7	413.7
20°	409.6	407.7	402.1	404.4	402.9
22.5°	398.7	396.5	392.0	393.1	391.6
25°	387.5	385.2	380.0	381.1	380.7
27.5°	375.1	372.9	367.3	367.3	366.5
30°	362.4	360.5	355.3	353.8	351.9
32.5°	348.9	346.3	341.4	340.3	338.8
35°	335.0	332.4	326.4	325.3	324.5
37.5°	319.7	317.8	312.9	309.9	308.0
40°	305.8	302.8	297.2	294.6	292.7
42.5°	289.3	287.8	281.8	279.2	276.9
45°	273.2	272.1	266.4	263.4	261.2
47.5°	257.8	256.0	250.3	246.6	245.5
50°	240.2	239.1	234.2	230.8	229.3
52.5°	224.1	223.0	218.1	214.4	212.9
55°	206.9	206.9	201.6	197.9	196.4
57.5°	191.1	189.6	184.8	181.8	179.9
60°	173.5	172.4	168.6	164.5	163.8
62.5°	157.4	155.9	151.4	148.4	147.7
65°	140.2	138.7	134.9	131.5	130.4
67.5°	124.0	121.4	118.4	115.4	113.9
70°	106.4	104.9	101.9	99.7	98.2
72.5°	89.6	88.1	86.2	84.3	83.6
75°	73.8	72.3	70.8	69.7	68.6
77.5°	58.1	57.3	56.2	54.7	54.7
80°	43.5	42.7	42.0	40.8	40.5
82.5°	30.4	30.0	29.2	28.9	28.9
85°	18.4	18.4	18.0	17.2	16.5
87.5°	8.2	7.5	7.5	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)