

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: L061706301

Luminaire Tested: **RHB-12-UNV-L850-CD-U WITH RHB-ALR**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: L061706301  
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: RHB-12-UNV-L850-CD-U WITH RHB-ALR  
Description: LED High bay  
Light Source: -  
Ballast/Driver: -  
MEAN WELL HLG-120H-42B

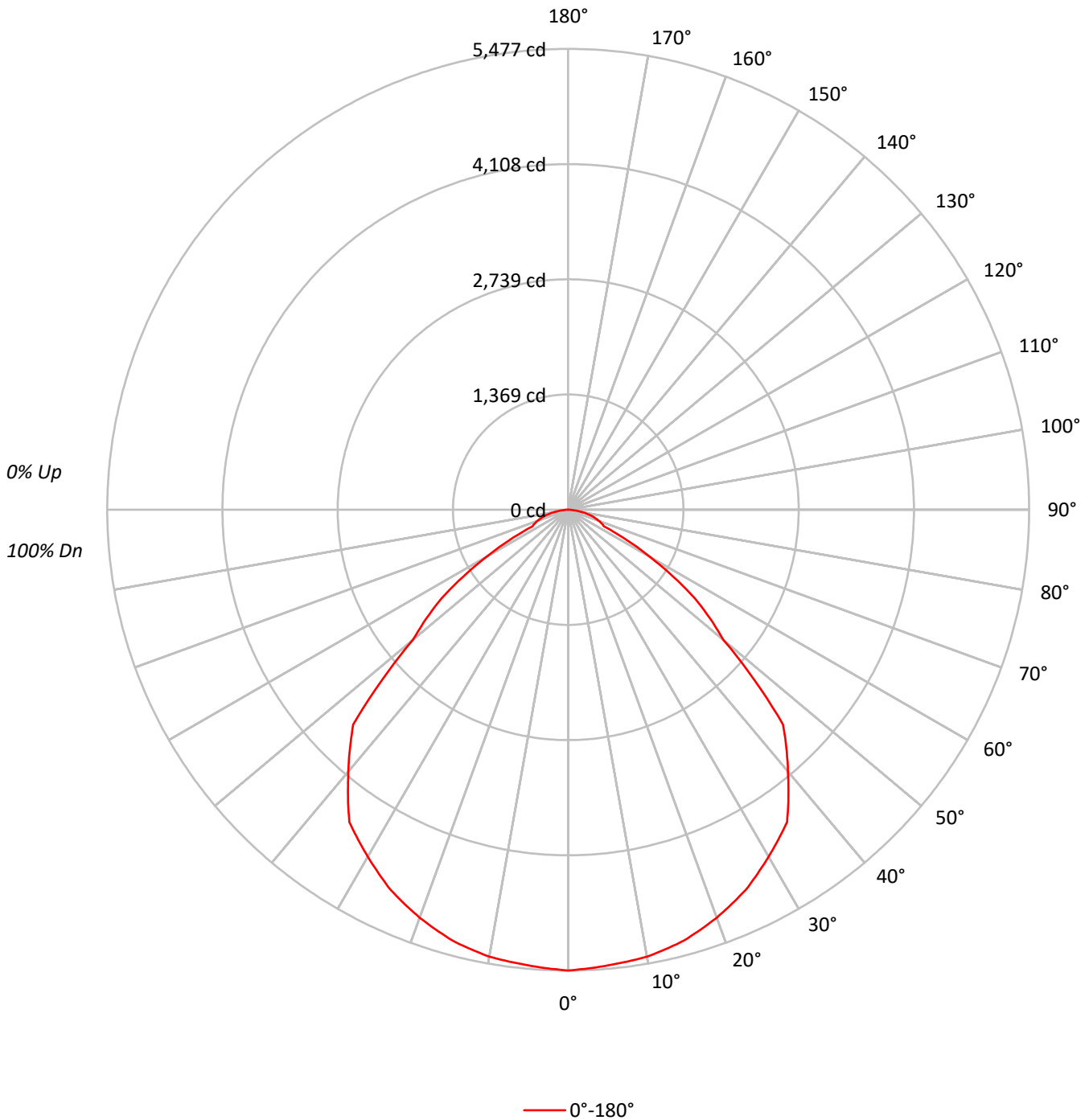
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12349.2 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.37  
Luminous Opening: Circular (Dia: 1.27' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 114.49  
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

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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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33
10	57	45	37	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30

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

	0°
0°	46539
5°	46375
10°	46549
15°	46659
20°	46659
25°	46765
30°	46723
35°	47021
40°	45068
45°	43393
50°	31872
55°	27214
60°	19051
65°	9470
70°	9714
75°	9619
80°	8612
85°	5460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.0	4.2
10°-20°	1497.0	12.1
20°-30°	2298.2	18.6
30°-40°	2802.9	22.7
40°-50°	2637.7	21.4
50°-60°	1607.4	13.0
60°-70°	605.3	4.9
70°-80°	304.3	2.5
80°-90°	78.4	0.6
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°	4313.2	34.9
0°-40°	7116.1	57.6
0°-60°	11361.3	92.0
0°-90°	12349.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12349.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5477	
5°	5437	518
15°	5304	1497
25°	4988	2298
35°	4533	2803
45°	3611	2638
55°	1837	1607
65°	471	605
75°	293	304
85°	56	78
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5477
5°	5437
10°	5395
15°	5304
20°	5160
25°	4988
30°	4762
35°	4533
40°	4063
45°	3611
50°	2411
55°	1837
60°	1121
65°	471
70°	391
75°	293
80°	176
85°	56
90°	0

(END OF REPORT)