

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: L061706501

Luminaire Tested: **RHB-24-UNV-L850-CD-U WITH RHB-ALR**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: L061706501  
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-24-UNV-L850-CD-U WITH RHB-ALR  
Description: LED High bay  
Light Source: -  
Ballast/Driver: -  
MEAN WELL HLG-185H-36B

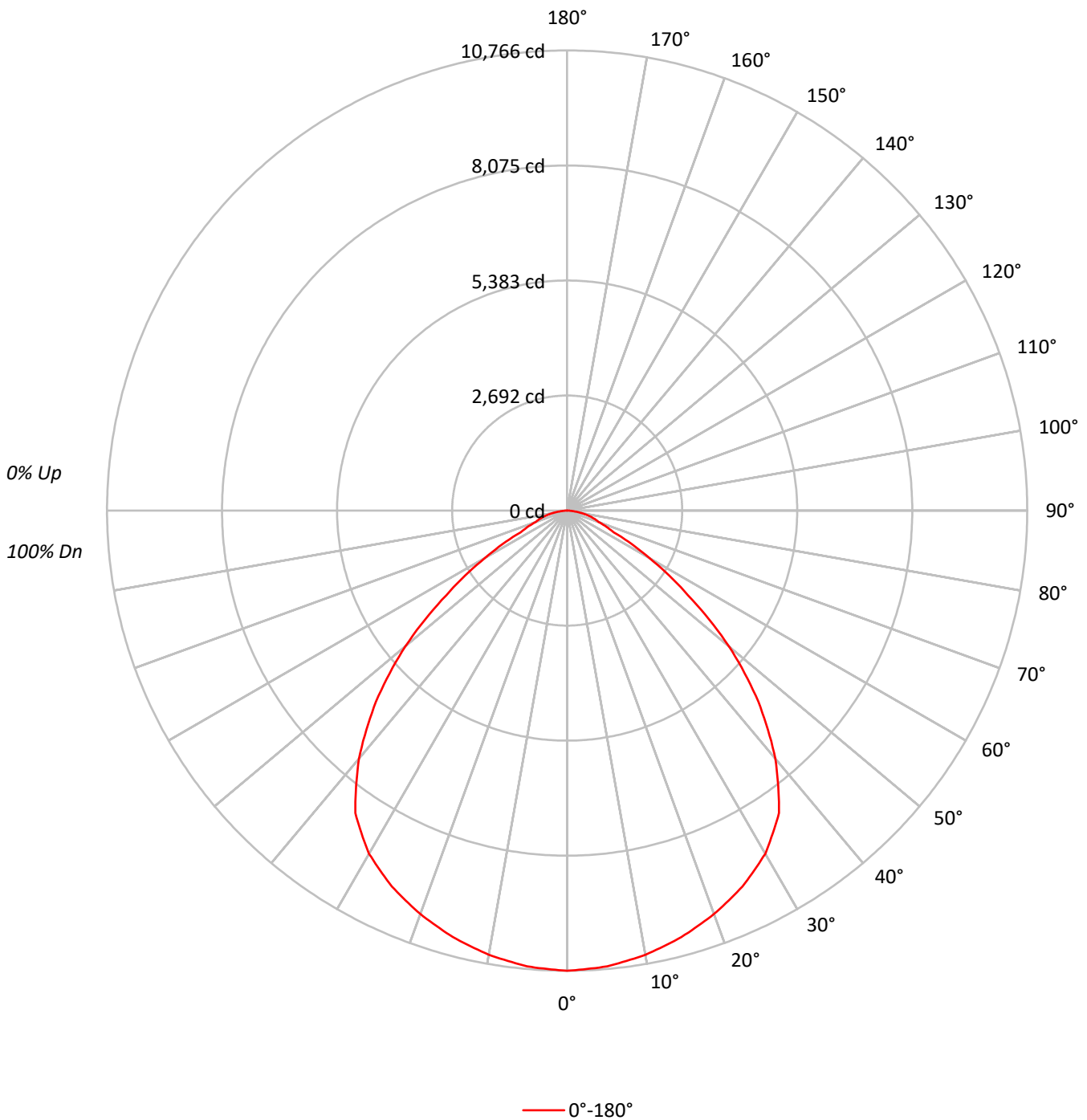
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23842.9 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.31  
Luminous Opening: Circular (Dia: 1.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 193.59  
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	101	99	100	98	96		97	95	93		93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82		87	83	80		84	81	78	76
3	95	85	78	73	92	84	77	72	81	75	71		78	74	70		76	72	69	67
4	87	77	69	63	85	76	68	63	73	67	62		71	66	61		69	64	60	58
5	81	69	61	55	79	68	61	55	66	60	55		64	59	54		63	58	53	52
6	75	63	55	49	73	62	54	49	60	54	48		59	53	48		57	52	48	46
7	70	57	49	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		48	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°	83413
5°	83257
10°	83016
15°	82858
20°	82821
25°	82965
30°	82933
35°	81720
40°	76664
45°	69303
50°	59520
55°	46670
60°	34338
65°	22054
70°	17851
75°	17572
80°	15661
85°	10490



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1017.1	4.3
10°-20°	2917.9	12.2
20°-30°	4472.7	18.8
30°-40°	5343.6	22.4
40°-50°	4850.5	20.3
50°-60°	3135.8	13.2
60°-70°	1335.3	5.6
70°-80°	610.4	2.6
80°-90°	159.7	0.7
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°	8407.7	35.3
0°-40°	13751.3	57.7
0°-60°	21737.5	91.2
0°-90°	23842.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23842.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10766	
5°	10705	###
15°	10330	2918
25°	9705	4473
35°	8640	5344
45°	6325	4850
55°	3455	3136
65°	1203	1335
75°	587	610
85°	118	160
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10766
5°	10705
10°	10552
15°	10330
20°	10045
25°	9705
30°	9270
35°	8640
40°	7580
45°	6325
50°	4938
55°	3455
60°	2216
65°	1203
70°	788
75°	587
80°	351
85°	118
90°	0

(END OF REPORT)