

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: L061706401

Luminaire Tested: **RHB-18-UNV-L850-CD-U WITH RHB-ALR**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: L061706401
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-18-UNV-L850-CD-U WITH RHB-ALR
Description: LED High bay
Light Source: -
Ballast/Driver: -
MEAN WELL HLG-150H-36A

Summary

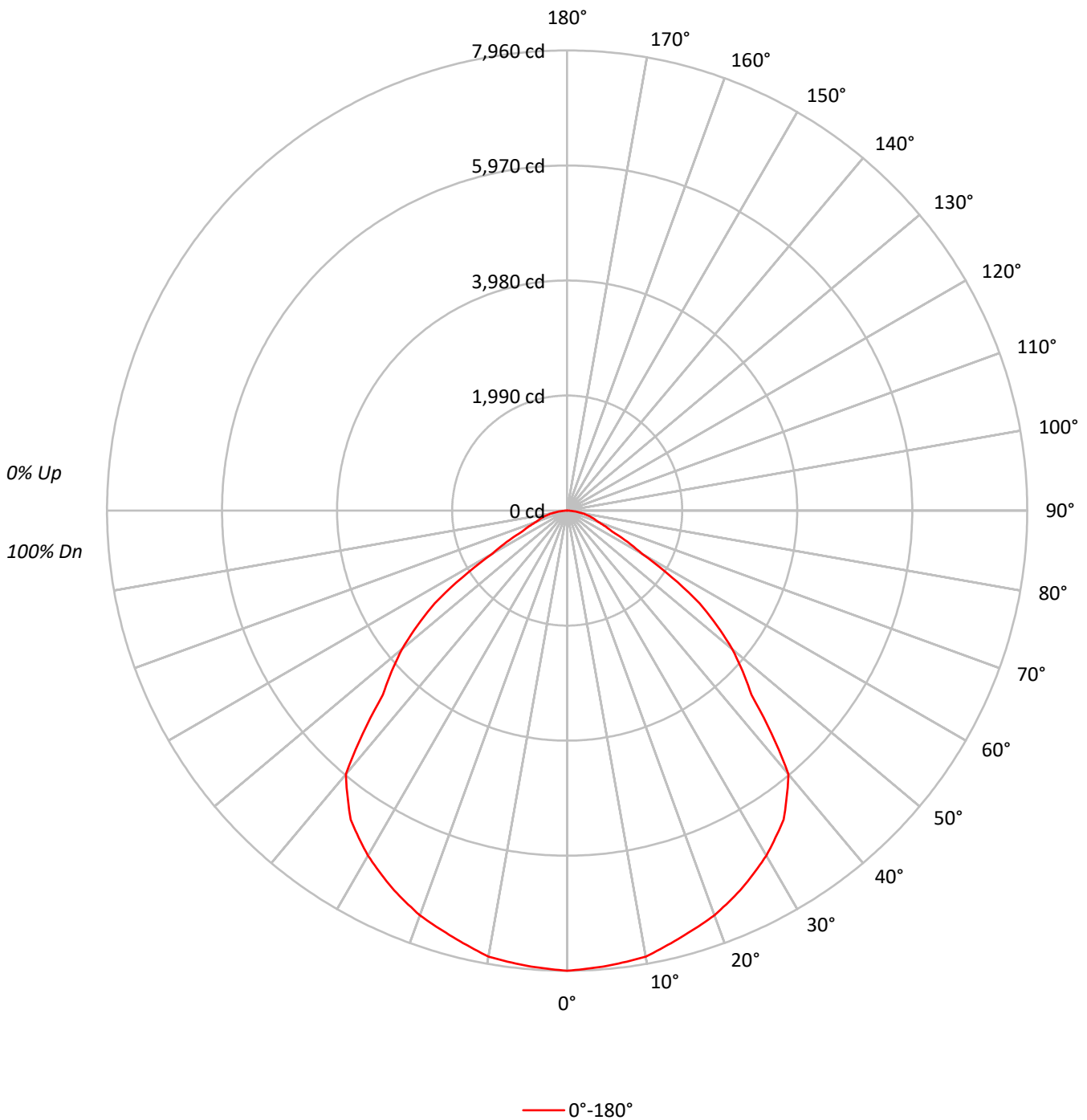
Lumens per Lamp: N/A
Luminaire Lumens: 17800.2 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.32
Luminous Opening: Circular (Dia: 1.27' x H: 0')
CIE Type: Direct

Input Watts (W): 154.46
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	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	76	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	44	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	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67637
5°	67444
10°	67594
15°	67173
20°	67366
25°	67420
30°	67602
35°	67705
40°	66054
45°	54160
50°	49308
55°	41450
60°	25508
65°	17211
70°	14186
75°	14051
80°	12625
85°	8384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	752.8	4.2
10°-20°	2161.0	12.1
20°-30°	3317.5	18.6
30°-40°	4058.3	22.8
40°-50°	3601.5	20.2
50°-60°	2413.1	13.6
60°-70°	934.3	5.2
70°-80°	444.7	2.5
80°-90°	117.0	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°	6231.3	35.0
0°-40°	10289.6	57.8
0°-60°	16304.2	91.6
0°-90°	17800.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17800.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7960	
5°	7907	753
15°	7636	2161
25°	7191	3318
35°	6527	4058
45°	4507	3602
55°	2798	2413
65°	856	934
75°	428	445
85°	86	117
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7960
5°	7907
10°	7834
15°	7636
20°	7450
25°	7191
30°	6890
35°	6527
40°	5955
45°	4507
50°	3730
55°	2798
60°	1501
65°	856
70°	571
75°	428
80°	258
85°	86
90°	0

(END OF REPORT)