

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: P828093

Luminaire Tested: **OHBL-36HE-N-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828093  
REPORT IS A COMBINATION OF REPORTS P826170 AND G3-2310-221-8  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36HE-N-UNV-L935-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

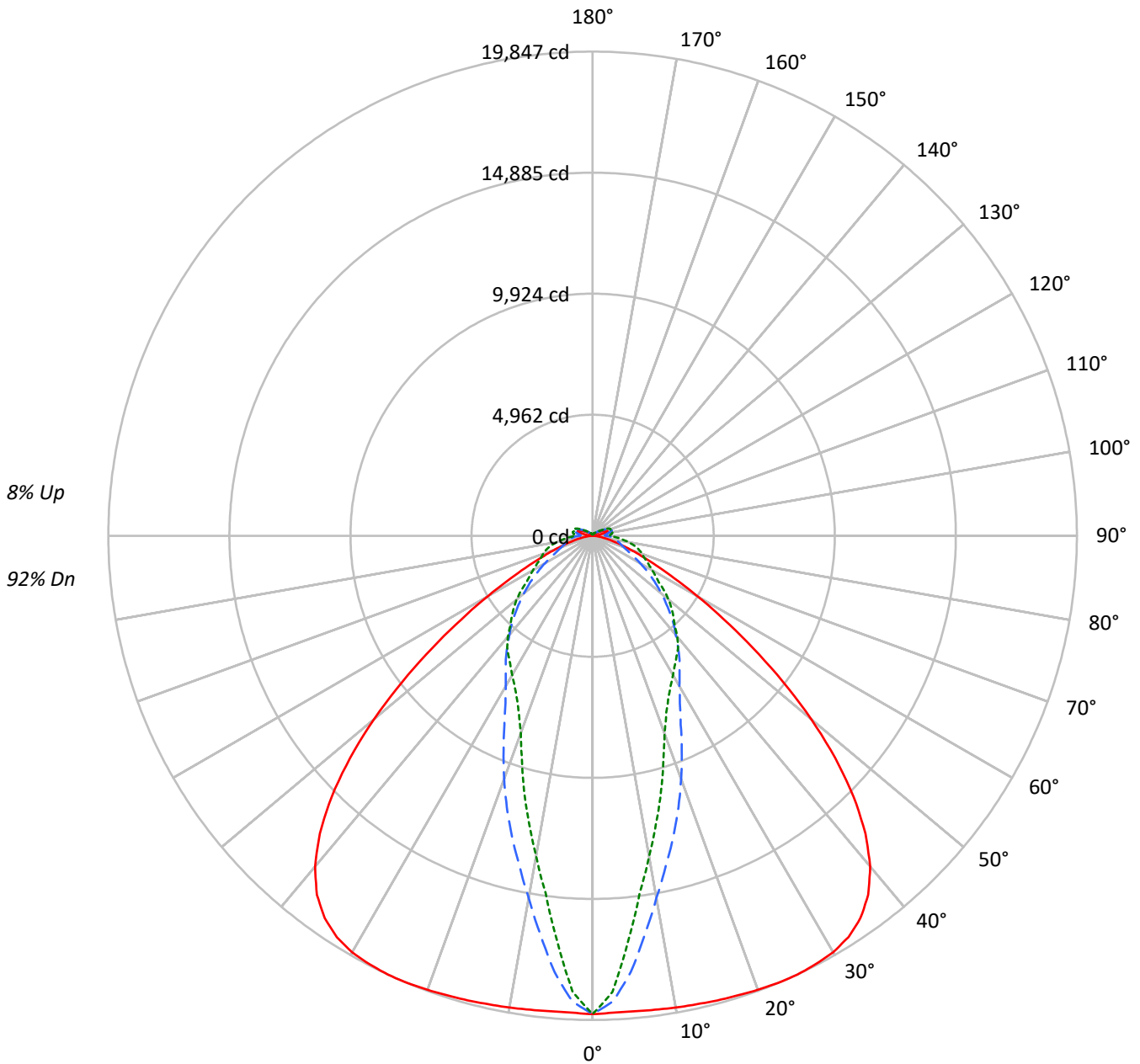
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30429.1 lumens  
Efficiency: N/A  
Efficacy: 135.7 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 224.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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										
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	50	30	10	0					
RCR																										
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92								
1	108	103	99	96	104	100	97	93	95	92	89	89	87	85	84	83	81	78								
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67								
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59								
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52								
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46								
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41								
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37								
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	40	36	34								
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31								
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28								

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

	0°	45°	90°
0°	31008	31008	31008
5°	30814	28251	26382
10°	31030	23807	21258
15°	31500	20370	17535
20°	32241	17232	14255
25°	33199	14270	12558
30°	34175	12300	11734
35°	34695	11216	11250
40°	33895	10138	10747
45°	30967	9168	10029
50°	25917	8106	9500
55°	19504	7107	8548
60°	13504	6102	8296
65°	8943	5263	8268
70°	5977	4950	8889
75°	4016	5120	9850
80°	2618	5697	10781
85°	1365	7192	12856



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1650.5	5.4
10°-20°	3882.6	12.8
20°-30°	4866.8	16.0
30°-40°	5164.3	17.0
40°-50°	4669.3	15.3
50°-60°	3385.6	11.1
60°-70°	2124.6	7.0
70°-80°	1406.0	4.6
80°-90°	813.7	2.7
90°-100°	535.1	1.8
100°-110°	766.4	2.5
110°-120°	592.9	1.9
120°-130°	285.4	0.9
130°-140°	139.3	0.5
140°-150°	79.6	0.3
150°-160°	43.5	0.1
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	10400.0	34.2
0°-40°	15564.2	51.1
0°-60°	23619.1	77.6
0°-90°	27963.5	91.9
90°-120°	1894.4	6.2
90°-150°	2398.8	7.9
90°-180°	2466.0	8.1
0°-180°	30429.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19607	19607	19607	19607	19607	
5°	19568	19066	17946	17114	16683	###
15°	19717	16070	12764	11351	10836	5592
25°	19847	12426	8547	7586	7345	9169
35°	19136	8261	6203	6009	6007	11896
45°	15128	5232	4495	4604	4682	11525
55°	8009	3243	2933	3182	3296	7237
65°	2864	1881	1698	2176	2418	2981
75°	884	1013	1140	1771	1877	986
85°	155	420	834	1161	1066	186
90°	3	196	512	719	728	12
95°	39	192	533	718	764	106
105°	632	694	831	778	761	601
115°	448	490	641	688	693	451
125°	231	248	330	358	354	215
135°	142	148	177	204	205	112
145°	112	116	122	138	136	70
155°	94	101	104	107	103	41
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	19606.7	19606.7	19606.7	19606.7	19606.7
2.5°	19565.7	19453.7	19104.8	18892.0	18712.8
5°	19567.5	19065.6	17945.9	17113.7	16682.6
7.5°	19595.5	18479.6	16462.4	15247.6	14773.6
10°	19638.4	17753.7	15077.8	13782.8	13340.5
12.5°	19670.2	16936.3	13859.2	12528.8	12043.6
15°	19716.8	16070.5	12763.8	11351.2	10836.2
17.5°	19759.8	15255.1	11681.5	10205.5	9632.6
20°	19802.7	14376.2	10599.2	9078.4	8606.2
22.5°	19843.7	13448.7	9543.0	8203.2	7880.3
25°	19847.4	12426.1	8546.6	7585.5	7344.8
27.5°	19798.9	11366.2	7738.6	7068.7	6919.3
30°	19714.9	10338.0	7111.6	6695.4	6589.1
32.5°	19505.9	9289.2	6626.4	6335.2	6273.7
35°	19136.4	8261.1	6202.8	6008.8	6006.8
37.5°	18554.2	7348.6	5743.8	5710.2	5751.2
40°	17694.0	6549.8	5308.9	5398.5	5398.5
42.5°	16546.3	5855.7	4915.2	5006.7	4982.4
45°	15128.2	5232.4	4495.3	4603.6	4681.9
47.5°	13484.2	4683.8	4066.2	4275.2	4383.4
50°	11696.5	4161.3	3674.3	3941.1	4064.3
52.5°	9822.9	3678.0	3291.8	3597.8	3696.7
55°	8009.2	3243.2	2933.4	3181.7	3295.5
57.5°	6367.0	2828.9	2582.7	2817.8	3052.9
60°	4954.4	2472.5	2252.3	2588.2	2823.3
62.5°	3784.3	2155.3	1942.6	2373.7	2608.8
65°	2864.4	1881.0	1698.1	2175.8	2418.4
67.5°	2159.0	1644.0	1507.8	2032.2	2269.2
70°	1621.6	1414.5	1354.8	1942.6	2155.3
72.5°	1198.0	1203.6	1233.5	1864.2	2026.6
75°	884.5	1013.3	1140.2	1770.9	1877.2
77.5°	632.6	839.8	1056.2	1658.9	1696.2
80°	438.5	684.8	968.5	1511.5	1479.8
82.5°	274.3	548.6	890.1	1349.2	1261.4
85°	154.9	419.8	834.2	1160.7	1065.5
87.5°	69.1	313.5	729.7	905.0	845.3
90°	3.3	196.2	511.7	718.6	728.4
92.5°	14.6	173.1	491.8	686.6	711.9
95°	39.2	191.5	533.0	717.7	763.8
97.5°	171.8	285.8	597.7	772.4	808.2
100°	346.2	448.7	662.6	803.7	827.3
102.5°	537.3	612.9	716.1	791.4	801.3
105°	632.4	693.8	831.4	778.0	760.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	520.3	568.4	728.2	776.5	765.0
115°	448.0	490.3	640.7	687.9	692.7
117.5°	386.6	417.1	551.2	596.2	598.9
120°	326.6	354.8	470.1	506.8	505.1
122.5°	276.6	299.0	396.4	425.7	422.2
125°	230.8	248.2	330.5	357.7	354.2
127.5°	197.2	208.4	277.5	302.8	299.3
130°	173.8	183.4	233.2	260.2	261.0
132.5°	156.2	162.4	201.0	227.9	229.6
135°	142.0	148.2	176.7	204.4	205.3
137.5°	131.2	139.2	157.5	183.4	184.2
140°	122.0	128.2	141.9	166.0	166.8
142.5°	116.3	120.8	130.7	150.2	151.0
145°	112.4	115.9	122.2	137.9	136.1
147.5°	106.6	111.9	115.5	126.5	124.6
150°	101.6	108.8	110.5	116.9	115.9
152.5°	98.3	104.7	106.3	110.9	109.0
155°	94.1	101.3	104.0	106.8	103.0
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	638.2	699.8	858.7	814.2	754.8
110°	587.7	646.6	811.9	830.9	786.5



(END OF REPORT)