

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: P828057

Luminaire Tested: **OHBL-24SE-NL-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828057
REPORT IS A COMBINATION OF REPORTS P826081 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-NL-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

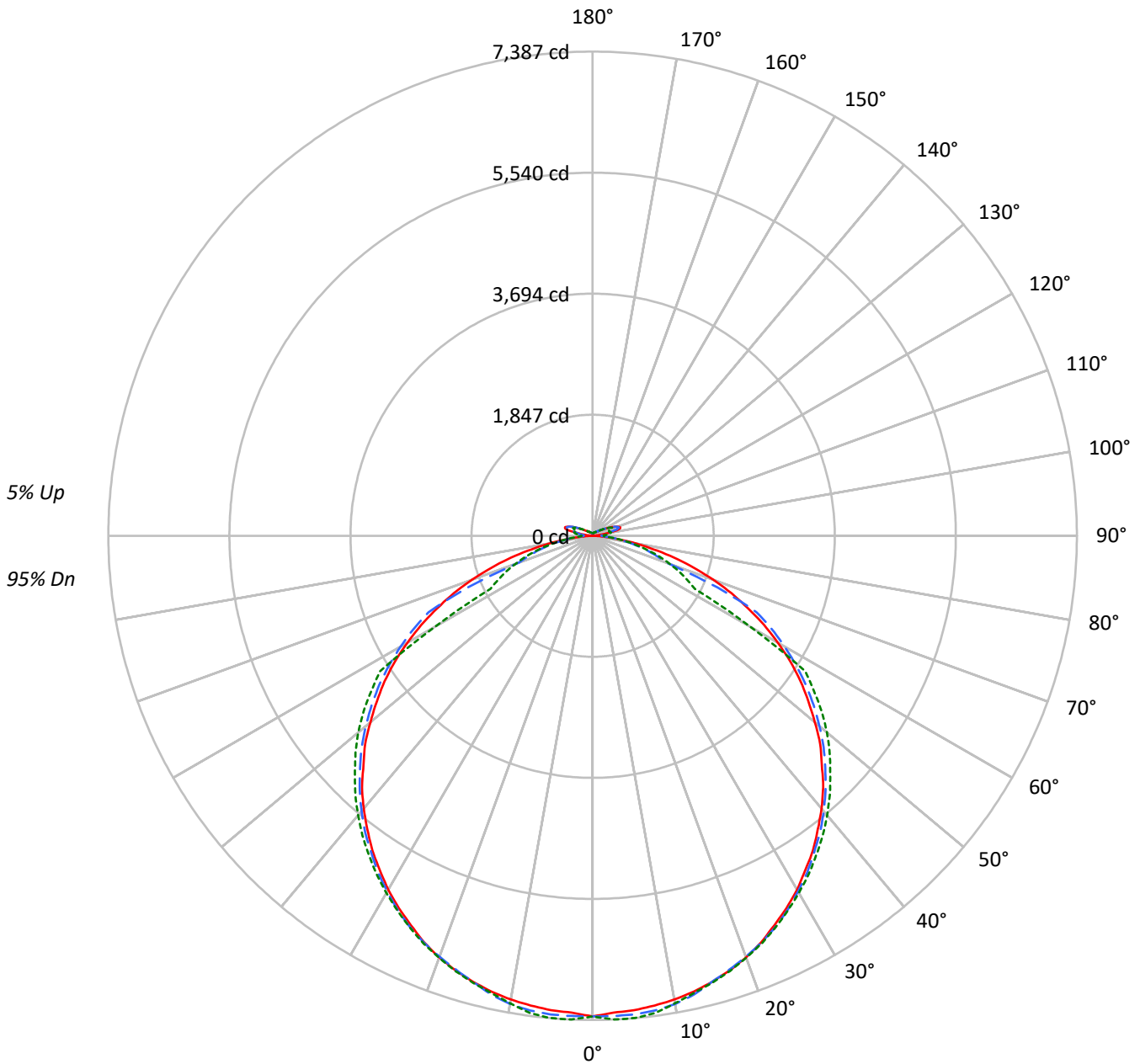
Lumens per Lamp: N/A
Luminaire Lumens: 21627.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 146.4
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									
RC	80									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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95																			
1	108	103	99	96	105	101	97	94	96	93	90	91	88	86	86	84	83	80																			
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	40	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12525	12525	12525
5°	12391	12502	12634
10°	12329	12444	12504
15°	12260	12254	12395
20°	12175	12151	12333
25°	12019	12074	12277
30°	11886	11940	12223
35°	11726	11781	12175
40°	11532	11631	12139
45°	11262	11421	12064
50°	10974	11183	12016
55°	10623	10882	11812
60°	10098	10438	9125
65°	9344	9866	6078
70°	8374	5072	5811
75°	6952	4584	5418
80°	4882	3835	4744
85°	1959	3072	4105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.7	3.2
10°-20°	1994.8	9.2
20°-30°	3035.3	14.0
30°-40°	3690.5	17.1
40°-50°	3880.4	17.9
50°-60°	3543.3	16.4
60°-70°	2271.4	10.5
70°-80°	1073.0	5.0
80°-90°	300.2	1.4
90°-100°	178.0	0.8
100°-110°	366.5	1.7
110°-120°	302.3	1.4
120°-130°	142.0	0.7
130°-140°	71.0	0.3
140°-150°	41.3	0.2
150°-160°	24.1	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	5726.8	26.5
0°-40°	9417.3	43.5
0°-60°	16840.9	77.9
0°-90°	20485.4	94.7
90°-120°	846.7	3.9
90°-150°	1101.1	5.1
90°-180°	1142.0	5.3
0°-180°	21627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7333	7333	7333	7333	7333	
5°	7265	7293	7331	7371	7386	691
15°	7045	7098	7044	7054	7059	1989
25°	6556	6566	6590	6600	6595	3025
35°	5860	5825	5892	5964	5947	3662
45°	4942	4933	5017	5136	5126	3820
55°	3873	3844	3974	4106	4116	3454
65°	2610	2610	2761	1584	1589	2587
75°	1289	1314	853	898	902	1359
85°	168	214	266	288	273	249
90°	2	87	138	166	167	9
95°	25	86	157	211	226	71
105°	437	440	384	278	256	414
115°	306	309	314	307	295	304
125°	147	152	156	154	155	137
135°	85	88	91	92	92	68
145°	62	64	65	66	67	40
155°	50	51	52	52	52	23
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7333.3	7333.3	7333.3	7333.3	7333.3
2.5°	7281.8	7306.3	7333.3	7368.1	7387.3
5°	7265.1	7293.4	7330.8	7370.7	7386.1
7.5°	7229.1	7268.9	7305.0	7333.3	7342.3
10°	7184.0	7231.7	7252.3	7249.7	7243.2
12.5°	7123.5	7173.8	7167.4	7137.7	7142.9
15°	7045.1	7097.8	7043.8	7054.1	7059.3
17.5°	6952.4	7003.9	6940.8	6961.4	6962.8
20°	6844.4	6882.9	6834.0	6850.8	6850.8
22.5°	6714.4	6741.4	6720.8	6732.4	6735.0
25°	6556.1	6566.3	6589.5	6599.8	6594.7
27.5°	6404.3	6391.4	6436.5	6460.9	6447.9
30°	6235.7	6215.1	6267.8	6307.8	6292.3
32.5°	6042.7	6029.8	6090.3	6137.9	6128.9
35°	5860.0	5825.2	5892.1	5964.2	5947.4
37.5°	5643.8	5623.2	5699.1	5775.1	5766.1
40°	5432.8	5398.0	5484.3	5574.3	5565.2
42.5°	5206.3	5165.0	5259.0	5367.2	5356.8
45°	4942.4	4933.4	5017.1	5135.5	5126.5
47.5°	4708.4	4663.2	4780.3	4894.9	4905.2
50°	4425.2	4408.5	4515.3	4654.3	4664.5
52.5°	4148.6	4137.0	4248.8	4389.2	4407.2
55°	3873.2	3843.6	3973.5	4106.1	4116.4
57.5°	3578.6	3547.7	3680.3	3824.3	3846.2
60°	3263.2	3233.7	3379.0	3512.9	2793.6
62.5°	2948.0	2927.4	3079.3	2181.1	1757.8
65°	2609.6	2609.6	2761.3	1584.0	1589.2
67.5°	2293.1	2272.5	2058.9	1423.1	1423.1
70°	1953.3	1961.1	1186.3	1246.9	1248.2
72.5°	1612.3	1640.7	1024.3	1073.1	1075.7
75°	1289.3	1313.8	853.1	898.2	902.0
77.5°	947.1	728.3	685.8	720.7	721.9
80°	665.2	459.4	525.1	558.4	554.6
82.5°	388.5	321.7	384.8	409.3	407.9
85°	168.5	213.6	266.3	288.2	272.8
87.5°	53.9	132.6	165.9	178.9	177.5
90°	2.5	87.1	138.4	166.0	166.9
92.5°	7.5	75.7	134.7	173.8	179.2
95°	24.7	85.7	156.7	211.2	226.2
97.5°	115.1	149.5	198.8	253.4	264.3
100°	232.6	269.3	245.8	279.3	284.8
102.5°	372.2	378.8	287.8	279.5	276.7
105°	437.3	440.0	383.9	278.1	256.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	356.1	361.2	362.5	345.3	322.1
115°	306.4	309.0	313.7	307.3	294.6
117.5°	251.7	255.0	257.5	255.0	253.3
120°	210.8	215.8	217.5	214.2	214.2
122.5°	177.5	181.7	184.2	181.7	182.5
125°	146.7	152.5	155.8	154.2	155.0
127.5°	122.5	127.5	133.3	132.5	132.5
130°	106.7	110.0	114.2	115.0	115.0
132.5°	95.0	97.5	100.8	101.7	102.5
135°	85.0	87.5	90.8	91.7	91.7
137.5°	78.3	80.0	82.5	83.3	84.2
140°	71.7	74.2	75.8	76.7	76.7
142.5°	66.7	68.3	70.0	70.8	71.7
145°	62.5	64.2	65.0	65.8	66.7
147.5°	58.3	60.0	61.7	61.7	62.5
150°	55.8	56.7	57.5	58.3	58.3
152.5°	52.5	53.3	54.2	55.0	55.0
155°	50.0	50.8	51.7	52.5	52.5
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	439.8	447.8	418.8	322.4	261.3
110°	404.4	414.1	399.6	360.3	308.8



(END OF REPORT)