

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: P828058

Luminaire Tested: **OHBL-24SE-NL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828058
REPORT IS A COMBINATION OF REPORTS P826249 AND G3-2310-221-6
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-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

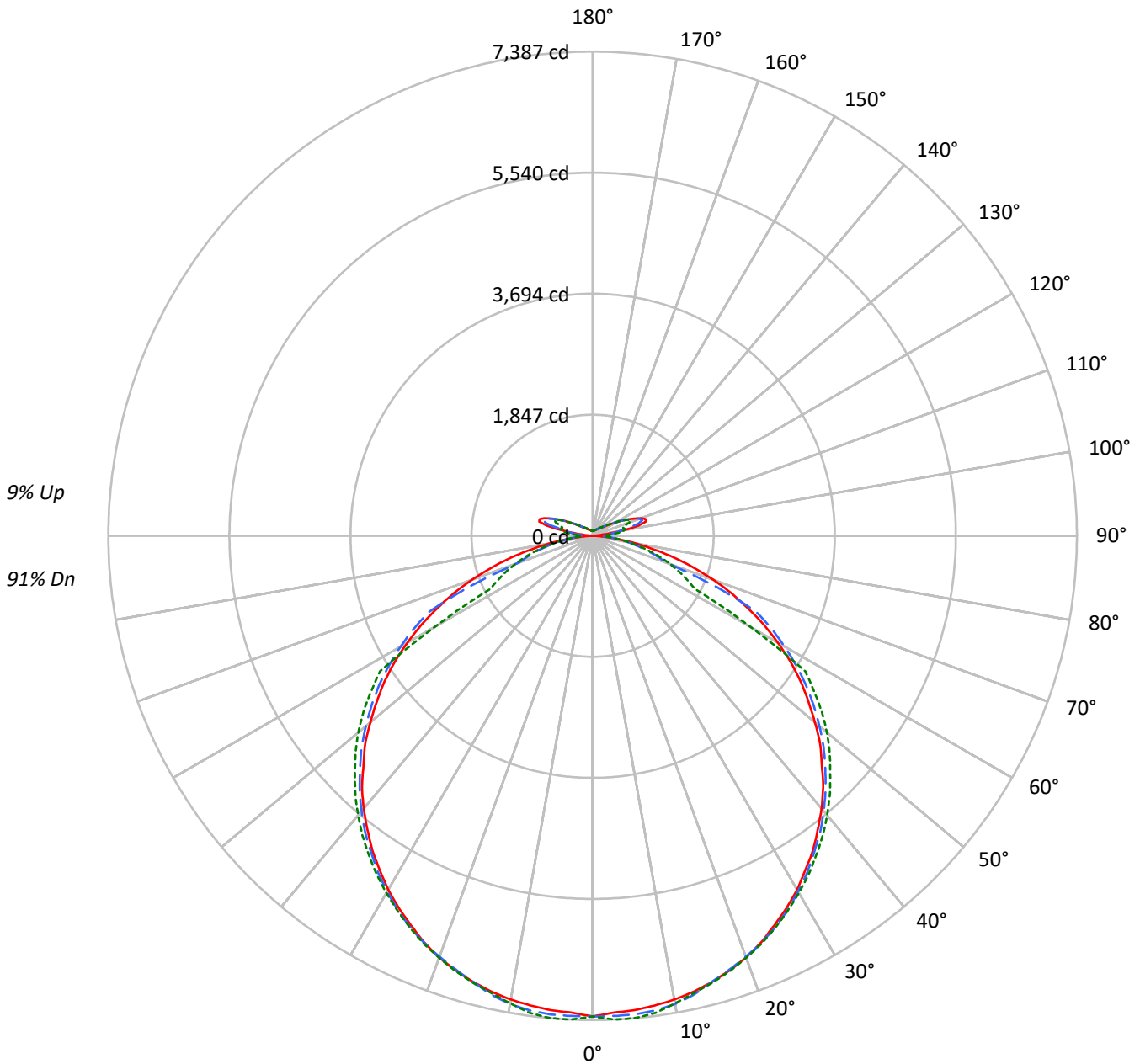
Lumens per Lamp: N/A
Luminaire Lumens: 22606.1 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 155.4
Input Voltage (V): NR
Input Current (A_{in}): 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				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	106	106	106	99	99	99	93	93	93	93	93	93	91
1	107	103	99	95	103	99	96	92	93	91	88	88	86	84	83	81	79	79	79	79	77
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	67	67	67	64
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	57	57	57	54
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	49	49	49	47
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	43	43	43	40
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	37	37	37	35
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	33	33	33	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	30	30	30	28
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	27	27	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	24	24	24	23

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	3.1
10°-20°	1994.8	8.8
20°-30°	3035.3	13.4
30°-40°	3690.5	16.3
40°-50°	3880.4	17.2
50°-60°	3543.3	15.7
60°-70°	2271.4	10.0
70°-80°	1073.0	4.7
80°-90°	302.7	1.3
90°-100°	272.0	1.2
100°-110°	692.3	3.1
110°-120°	581.4	2.6
120°-130°	276.0	1.2
130°-140°	138.1	0.6
140°-150°	80.1	0.4
150°-160°	46.7	0.2
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	5726.8	25.3
0°-40°	9417.3	41.7
0°-60°	16840.9	74.5
0°-90°	20488.0	90.6
90°-120°	1545.7	6.8
90°-150°	2039.9	9.0
90°-180°	2118.0	9.4
0°-180°	22606.1	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°	4	100	158	192	195	10
95°	48	130	228	305	330	139
105°	842	841	724	521	479	800
115°	583	592	595	590	577	586
125°	282	297	302	302	299	264
135°	167	170	176	178	179	132
145°	121	124	127	128	128	77
155°	97	98	100	101	101	45
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



TEST NUMBER: P828058

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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°	4.2	100.4	157.6	191.8	195.3
92.5°	14.2	94.0	163.0	213.8	225.8
95°	48.0	129.8	228.3	304.6	329.6
97.5°	226.8	269.5	321.3	405.9	436.0
100°	462.6	510.2	434.1	481.0	489.8
102.5°	717.3	724.7	539.4	502.8	497.5
105°	842.3	840.8	723.9	521.4	479.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	681.1	693.7	684.2	661.2	625.4
115°	583.1	591.5	595.3	589.8	577.1
117.5°	493.3	494.2	497.5	496.7	497.5
120°	408.3	417.5	425.0	420.8	415.8
122.5°	342.5	352.5	357.5	355.8	350.8
125°	281.7	296.7	302.5	301.7	299.2
127.5°	238.3	249.2	257.5	258.3	257.5
130°	207.5	214.2	222.5	223.3	224.2
132.5°	184.2	190.0	195.8	199.2	198.3
135°	166.7	170.0	175.8	177.5	179.2
137.5°	152.5	155.0	160.0	162.5	162.5
140°	140.0	143.3	147.5	149.2	150.0
142.5°	129.2	132.5	135.8	137.5	137.5
145°	120.8	124.2	126.7	127.5	128.3
147.5°	113.3	116.7	118.3	120.0	120.0
150°	107.5	109.2	111.7	112.5	113.3
152.5°	101.7	103.3	105.8	106.7	106.7
155°	96.7	98.3	100.0	100.8	100.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	845.6	855.3	795.5	619.1	509.7
110°	781.9	793.2	759.6	690.3	599.6



(END OF REPORT)