

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: P828233

Luminaire Tested: **OHB-30SE-MCL-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828233
REPORT IS A COMBINATION OF REPORTS P826102 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-30SE-MCL-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

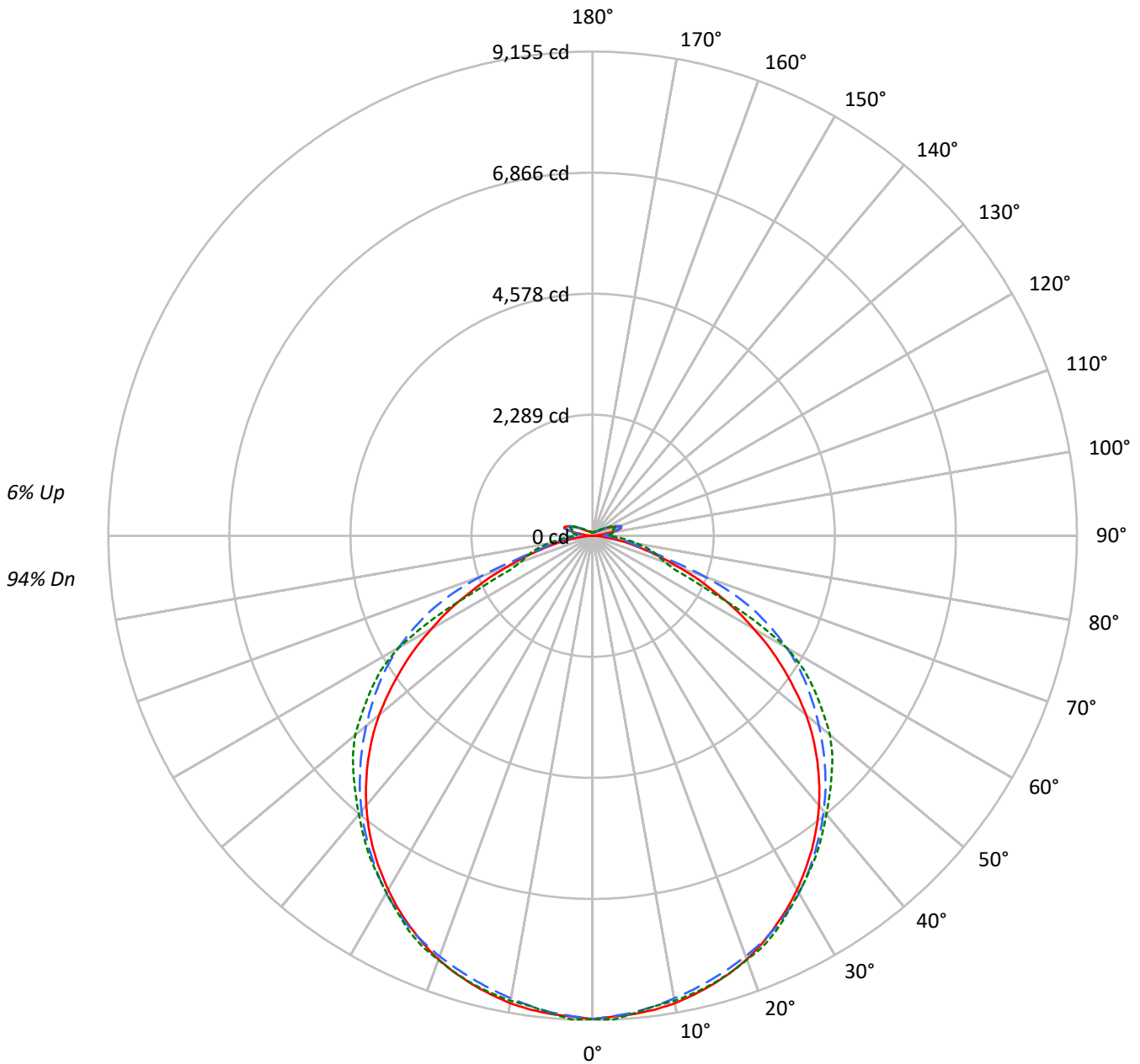
Lumens per Lamp: N/A
Luminaire Lumens: 27143.4 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 191.3
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	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30519	30519	30519
5°	30172	29984	30156
10°	29915	29441	29837
15°	29579	29014	29654
20°	29239	28711	29409
25°	28731	28404	29166
30°	28186	27972	28633
35°	27559	27339	28348
40°	26785	26683	27955
45°	25774	25934	27796
50°	24462	25088	27603
55°	22505	24238	26606
60°	20017	23047	24634
65°	16868	20974	15642
70°	13258	16163	11370
75°	9585	9419	11584
80°	6275	7608	11128
85°	3142	6608	10557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	861.4	3.2
10°-20°	2470.2	9.1
20°-30°	3772.8	13.9
30°-40°	4577.7	16.9
40°-50°	4797.8	17.7
50°-60°	4347.6	16.0
60°-70°	2914.9	10.7
70°-80°	1308.9	4.8
80°-90°	478.3	1.8
90°-100°	269.6	1.0
100°-110°	506.2	1.9
110°-120°	410.8	1.5
120°-130°	199.6	0.7
130°-140°	103.3	0.4
140°-150°	61.1	0.2
150°-160°	37.0	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	7104.4	26.2
0°-40°	11682.1	43.0
0°-60°	20827.5	76.7
0°-90°	25529.6	94.1
90°-120°	1186.6	4.4
90°-150°	1550.5	5.7
90°-180°	1614.0	5.9
0°-180°	27143.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9136	9136	9136	9136	9136	
5°	9077	9108	9045	9073	9061	863
15°	8782	8748	8686	8762	8773	2480
25°	8158	8123	8180	8255	8231	3761
35°	7231	7248	7322	7400	7371	4520
45°	6001	6099	6213	6371	6391	4623
55°	4416	4629	4944	5143	5131	3942
65°	2592	2997	3403	2872	2345	2582
75°	1020	1480	1088	1114	1186	1114
85°	176	337	432	522	547	214
90°	4	131	248	313	331	12
95°	26	133	246	310	335	89
105°	556	573	538	418	395	527
115°	390	395	421	430	424	393
125°	193	204	223	225	226	183
135°	121	125	129	138	140	96
145°	91	94	96	99	100	58
155°	77	79	81	81	80	36
165°	69	69	70	70	70	20
175°	64	64	63	62	62	6
180°	63	63	63	63	63	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9136.0	9136.0	9136.0	9136.0	9136.0
2.5°	9099.0	9137.3	9089.8	9141.3	9154.6
5°	9076.6	9108.3	9044.8	9072.7	9060.7
7.5°	9035.6	9046.2	8970.9	8993.4	8969.5
10°	8974.8	8969.5	8881.0	8924.7	8930.0
12.5°	8885.0	8869.2	8789.9	8856.0	8857.3
15°	8782.0	8747.7	8685.6	8762.2	8772.8
17.5°	8663.1	8618.2	8577.2	8676.3	8660.4
20°	8524.4	8471.5	8463.6	8571.9	8532.3
22.5°	8352.7	8311.7	8330.2	8433.3	8408.1
25°	8158.5	8122.8	8179.6	8254.9	8231.1
27.5°	7953.8	7932.6	7997.3	8055.4	8009.2
30°	7729.2	7717.3	7803.2	7850.6	7792.6
32.5°	7484.8	7488.7	7570.6	7635.4	7581.2
35°	7231.2	7248.3	7322.3	7400.2	7371.2
37.5°	6952.4	6990.7	7064.7	7153.2	7122.8
40°	6657.9	6713.3	6795.2	6902.2	6874.4
42.5°	6339.5	6409.5	6515.2	6634.0	6631.4
45°	6001.3	6099.1	6212.6	6371.2	6391.0
47.5°	5649.9	5759.5	5903.5	6114.9	6145.3
50°	5268.1	5405.5	5585.1	5838.8	5857.3
52.5°	4842.8	5030.3	5268.1	5511.2	5488.7
55°	4416.1	4628.7	4944.5	5142.7	5130.8
57.5°	3990.8	4229.8	4612.9	4754.3	4753.0
60°	3515.2	3817.6	4236.5	4343.5	4237.8
62.5°	3075.3	3400.2	3834.9	3757.0	3395.0
65°	2591.8	2997.3	3402.9	2871.9	2344.8
67.5°	2162.5	2585.2	2890.4	1966.9	1684.3
70°	1730.5	2196.8	2253.6	1459.7	1439.9
72.5°	1347.4	1844.1	1554.8	1249.7	1313.0
75°	1019.8	1479.5	1088.5	1113.6	1186.3
77.5°	743.7	1136.0	846.8	976.2	1035.7
80°	511.2	804.5	690.9	820.3	861.3
82.5°	321.0	531.1	553.5	660.5	702.8
85°	175.7	336.8	431.9	521.8	546.9
87.5°	72.7	203.5	330.2	402.9	424.0
90°	3.9	131.4	248.5	313.1	330.6
92.5°	10.0	110.2	222.3	281.5	299.4
95°	25.6	132.6	246.2	309.7	335.0
97.5°	146.9	218.1	305.5	358.9	379.8
100°	297.0	362.7	367.0	402.5	412.6
102.5°	476.5	492.5	426.3	410.9	409.6
105°	555.7	572.9	537.8	418.0	395.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	451.8	467.2	485.8	481.9	469.0
115°	389.7	394.9	420.9	429.7	424.5
117.5°	335.8	336.6	360.0	366.1	367.0
120°	281.9	286.7	304.7	309.5	310.0
122.5°	234.9	241.9	260.7	264.7	265.2
125°	192.7	204.5	222.8	225.1	225.5
127.5°	167.1	173.2	190.7	194.7	194.2
130°	146.2	151.9	163.7	169.8	169.8
132.5°	132.8	137.5	145.9	152.0	152.8
135°	120.6	125.4	129.3	137.6	139.8
137.5°	113.2	114.9	118.4	125.9	128.1
140°	104.5	107.1	108.4	114.6	116.8
142.5°	97.1	100.2	100.6	106.2	107.6
145°	91.0	94.1	95.8	98.9	100.2
147.5°	88.0	89.7	91.5	91.5	93.6
150°	83.6	85.4	86.2	87.1	87.1
152.5°	80.2	81.0	82.8	82.8	83.6
155°	76.7	78.9	80.6	80.6	80.2
157.5°	74.1	76.3	77.1	78.0	78.0
160°	71.5	73.6	74.5	74.5	75.4
162.5°	71.0	71.9	71.9	72.8	72.8
165°	69.3	69.3	70.2	70.2	70.2
167.5°	67.6	68.9	68.4	68.4	69.3
170°	65.8	66.7	66.7	65.4	66.3
172.5°	64.9	64.9	65.8	64.5	64.5
175°	64.1	64.1	62.8	62.3	62.3
177.5°	64.5	64.1	62.8	61.5	60.2
180°	62.8	62.8	62.8	62.8	62.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	557.0	576.4	575.1	470.9	410.1
110°	515.7	533.2	543.7	511.2	459.9



(END OF REPORT)