

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: P828086

Luminaire Tested: **OHBL-30SE-W-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828086
REPORT IS A COMBINATION OF REPORTS P826286 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-W-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

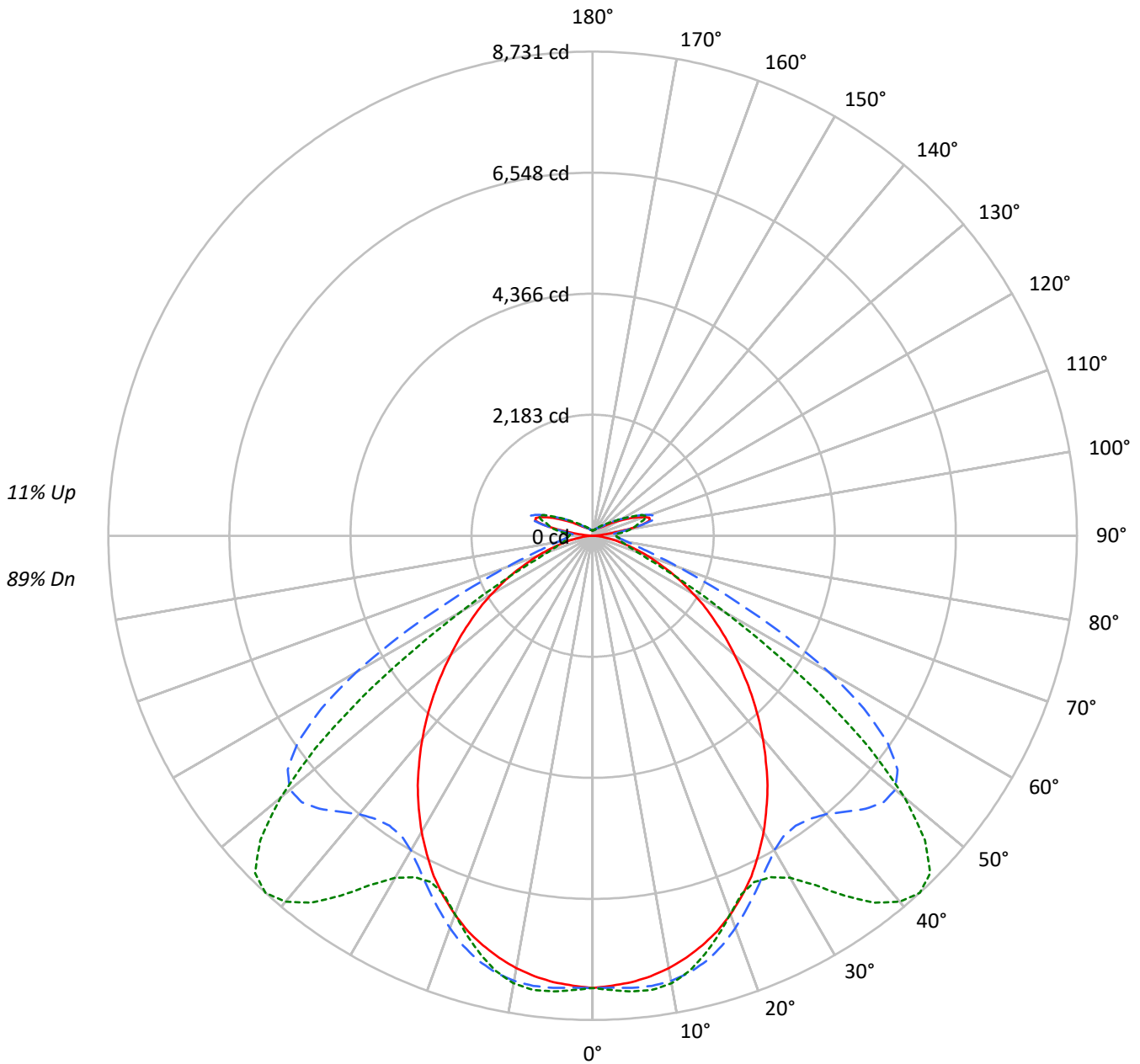
Lumens per Lamp: N/A
Luminaire Lumens: 26970.8 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 197.2
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				
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89			
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75			
2	97	89	83	77	94	86	81	76	81	76	72	76	72	69	72	68	66	63			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53			
4	81	69	61	54	78	67	60	54	63	57	52	60	54	50	56	52	48	45			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	28	26			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13929	13929	13929
5°	13732	13910	14088
10°	13494	13888	14105
15°	13165	13659	13653
20°	12741	13189	12984
25°	12197	12621	12723
30°	11499	12198	13692
35°	10714	12424	16022
40°	9819	13455	18522
45°	8890	15262	19909
50°	7929	16876	18527
55°	7024	16855	14156
60°	6106	14259	8655
65°	5147	9845	5243
70°	4080	6364	3785
75°	2993	4560	3509
80°	2021	4004	3959
85°	1207	4396	6259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.3	2.9
10°-20°	2206.8	8.2
20°-30°	3229.3	12.0
30°-40°	4193.9	15.5
40°-50°	5121.3	19.0
50°-60°	4510.1	16.7
60°-70°	2350.3	8.7
70°-80°	1007.9	3.7
80°-90°	489.4	1.8
90°-100°	424.6	1.6
100°-110°	1033.2	3.8
110°-120°	817.8	3.0
120°-130°	391.9	1.5
130°-140°	197.5	0.7
140°-150°	113.1	0.4
150°-160°	63.7	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	6215.5	23.0
0°-40°	10409.4	38.6
0°-60°	20040.9	74.3
0°-90°	23888.4	88.6
90°-120°	2275.7	8.4
90°-150°	2978.1	11.0
90°-180°	3082.0	11.4
0°-180°	26970.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8155	8155	8155	8155	8155	
5°	8080	8141	8185	8257	8248	766
15°	7645	7860	7935	7876	7812	2153
25°	6774	7136	7015	6883	6890	3109
35°	5498	6079	6384	7444	7921	3427
45°	4049	5094	6962	8430	8606	3122
55°	2696	4462	6484	5685	5053	2419
65°	1547	3091	2968	1650	1420	1530
75°	623	1446	954	653	619	679
85°	132	516	486	475	480	147
90°	8	221	365	417	426	13
95°	51	205	372	447	466	174
105°	1071	1134	1155	942	856	1012
115°	746	770	836	862	851	748
125°	374	390	442	450	447	348
135°	223	227	250	273	275	176
145°	169	168	174	186	190	107
155°	138	141	139	141	141	63
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8155.2	8155.2	8155.2	8155.2	8155.2
2.5°	8120.1	8155.2	8157.0	8206.3	8201.0
5°	8079.6	8141.2	8185.2	8257.3	8248.5
7.5°	8012.8	8109.5	8186.9	8266.2	8259.1
10°	7917.8	8049.7	8151.8	8216.8	8195.8
12.5°	7794.6	7968.8	8069.1	8083.2	8042.7
15°	7645.0	7859.7	7935.3	7875.5	7812.2
17.5°	7476.1	7727.8	7754.1	7623.9	7544.8
20°	7265.0	7551.8	7525.4	7345.9	7257.9
22.5°	7030.9	7358.2	7273.8	7085.5	7001.1
25°	6774.1	7136.5	7015.1	6883.2	6890.2
27.5°	6473.2	6884.9	6767.0	6826.8	6939.5
30°	6167.1	6621.0	6548.8	6897.3	7118.9
32.5°	5831.0	6350.0	6415.2	7103.1	7465.6
35°	5498.4	6079.1	6383.5	7444.4	7921.2
37.5°	5130.7	5804.6	6434.5	7838.6	8338.2
40°	4773.5	5537.2	6550.6	8192.3	8614.5
42.5°	4409.3	5297.8	6745.9	8401.6	8730.7
45°	4048.6	5093.8	6962.3	8429.8	8605.8
47.5°	3687.9	4921.3	7111.9	8206.3	8125.3
50°	3339.5	4768.2	7122.4	7669.7	7338.8
52.5°	3014.0	4627.5	6928.9	6814.5	6300.8
55°	2695.6	4462.1	6483.8	5684.9	5053.2
57.5°	2405.3	4233.3	5797.6	4470.9	3781.2
60°	2097.3	3923.7	4910.8	3270.9	2727.2
62.5°	1814.1	3538.3	3916.7	2276.8	1960.1
65°	1546.6	3091.4	2968.2	1650.4	1419.9
67.5°	1263.3	2628.7	2190.6	1203.5	1055.7
70°	1041.6	2199.3	1631.1	936.1	849.8
72.5°	814.7	1791.2	1219.3	760.1	712.6
75°	622.8	1446.3	953.7	652.8	619.3
77.5°	459.3	1143.7	767.2	577.1	545.4
80°	322.0	900.8	642.3	515.5	503.2
82.5°	216.4	696.8	547.2	490.9	492.7
85°	132.0	515.5	485.6	475.1	480.3
87.5°	63.3	366.0	417.0	432.8	438.1
90°	7.6	220.7	365.2	416.8	425.6
92.5°	17.5	185.0	336.5	394.8	405.2
95°	51.0	204.9	371.8	446.6	466.2
97.5°	293.5	378.1	478.8	565.3	603.1
100°	577.8	682.4	654.9	706.4	715.8
102.5°	908.6	988.6	901.3	816.7	795.2
105°	1071.2	1134.1	1155.4	942.2	856.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	863.9	902.3	977.0	990.8	974.2
115°	745.6	770.2	836.2	862.4	850.9
117.5°	632.3	655.8	715.6	730.0	725.1
120°	534.0	555.6	604.9	621.0	616.1
122.5°	448.2	469.4	521.1	531.3	525.6
125°	374.0	390.1	442.3	449.9	446.7
127.5°	317.2	326.5	372.7	389.4	387.1
130°	274.8	281.4	321.4	340.7	343.3
132.5°	245.6	251.4	281.8	301.9	304.7
135°	223.1	227.2	249.8	273.3	275.1
137.5°	203.1	208.9	225.3	246.3	249.8
140°	188.9	193.1	204.2	223.5	226.1
142.5°	178.2	179.8	189.2	204.9	207.5
145°	169.1	168.1	174.0	186.2	189.8
147.5°	159.1	160.7	164.0	172.7	174.4
150°	151.6	154.1	153.9	158.2	162.6
152.5°	144.9	146.6	145.6	147.2	150.8
155°	138.2	140.8	138.9	140.6	140.6
157.5°	119.2	120.8	122.5	123.3	124.2
160°	115.0	115.8	117.5	118.3	119.2
162.5°	110.0	111.7	112.5	113.3	114.2
165°	106.7	107.5	108.3	110.0	110.0
167.5°	103.3	104.2	105.0	105.8	105.8
170°	100.8	101.7	102.5	102.5	102.5
172.5°	98.3	99.2	100.0	100.0	100.0
175°	96.7	97.5	97.5	98.3	98.3
177.5°	95.8	96.7	96.7	96.7	97.5
180°	95.8	95.8	95.8	95.8	95.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1072.2	1132.9	1187.0	1087.8	974.6
110°	983.8	1040.0	1101.8	1087.5	1032.7



(END OF REPORT)