

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: P828376

Luminaire Tested: **OHBL-30SE-A-UNV-L940-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828376
REPORT IS A COMBINATION OF REPORTS P826281 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-A-UNV-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

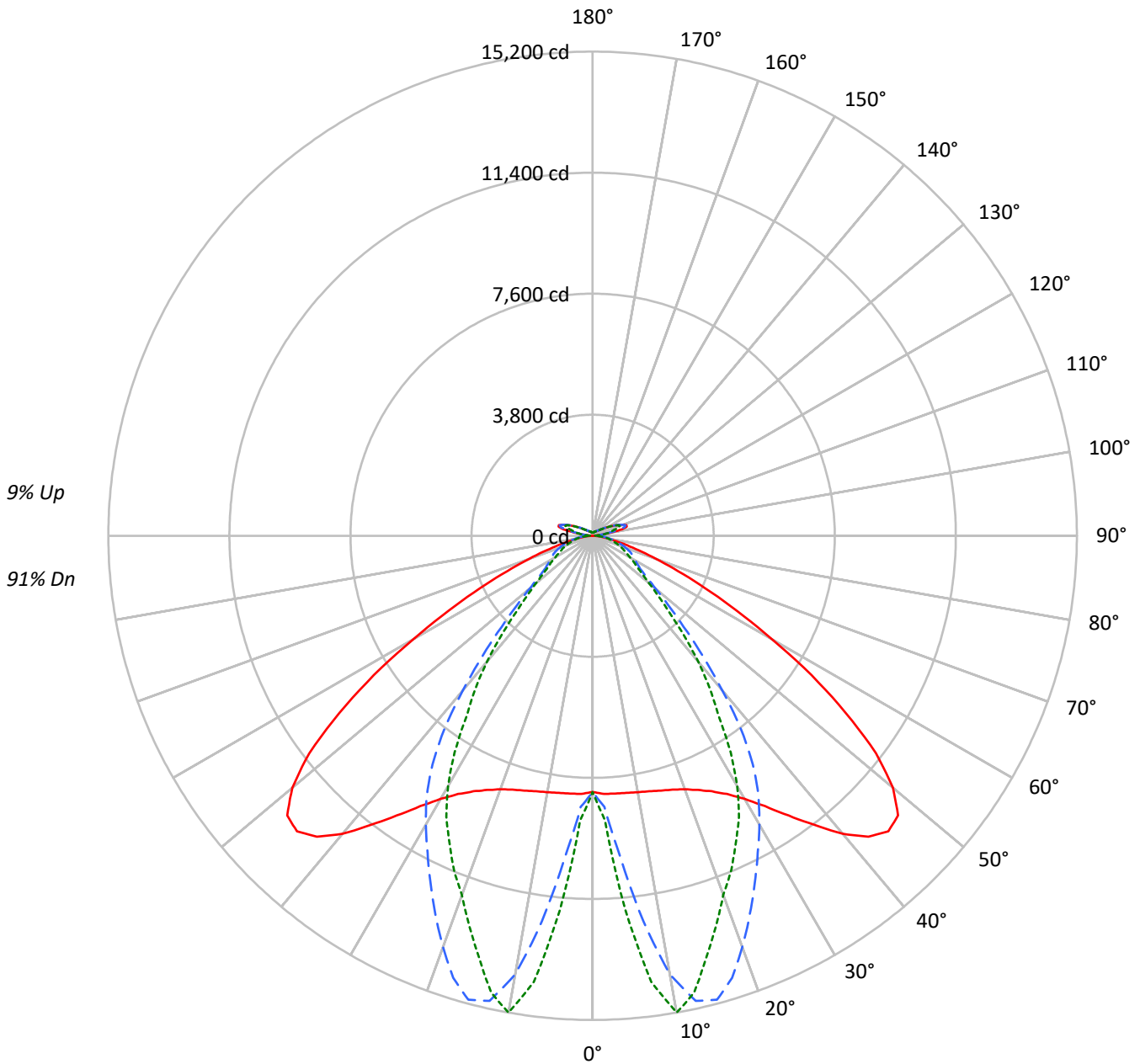
Lumens per Lamp: N/A
Luminaire Lumens: 28474.3 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 197.2
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	67	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	37	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	37	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13738	13738	13738
5°	13808	17279	20139
10°	13931	23822	26158
15°	14263	25951	24009
20°	14853	24079	21456
25°	15936	21655	19626
30°	17770	19498	17452
35°	20890	17066	13907
40°	25119	12997	11068
45°	28813	8855	7877
50°	29211	6074	5826
55°	25284	4780	4760
60°	18887	4473	4282
65°	12946	4487	4056
70°	8277	4328	3929
75°	4977	4006	3759
80°	2928	3519	3878
85°	1410	3023	3596



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.1	3.7
10°-20°	3706.2	13.0
20°-30°	5461.4	19.2
30°-40°	5739.0	20.2
40°-50°	4391.4	15.4
50°-60°	2651.7	9.3
60°-70°	1618.2	5.7
70°-80°	883.2	3.1
80°-90°	315.7	1.1
90°-100°	205.8	0.7
100°-110°	930.5	3.3
110°-120°	766.1	2.7
120°-130°	361.5	1.3
130°-140°	182.3	0.6
140°-150°	106.5	0.4
150°-160°	62.4	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	10217.7	35.9
0°-40°	15956.7	56.0
0°-60°	22999.8	80.8
0°-90°	25816.9	90.7
90°-120°	1902.4	6.7
90°-150°	2552.7	9.0
90°-180°	2657.0	9.3
0°-180°	28474.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8044	8044	8044	8044	8044	
5°	8124	8716	10168	11353	11791	777
15°	8282	12900	15077	14069	13738	2355
25°	8851	14972	12037	10897	10628	4136
35°	10721	11990	8769	7303	6876	6801
45°	13122	6841	4039	3554	3405	9914
55°	9704	2320	1839	1704	1699	8575
65°	3890	1469	1353	1158	1098	3986
75°	1036	913	838	691	663	1192
85°	154	283	334	304	276	191
90°	6	36	47	53	53	12
95°	50	100	122	154	165	179
105°	1110	1119	1033	776	682	1048
115°	767	767	766	770	754	769
125°	377	389	399	389	383	353
135°	222	226	231	236	236	175
145°	162	164	169	170	170	103
155°	130	132	134	136	136	61
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8043.5	8043.5	8043.5	8043.5	8043.5
2.5°	8109.3	8192.2	8518.4	8857.1	8939.5
5°	8124.2	8716.1	10167.8	11353.3	11791.3
7.5°	8141.4	9564.9	12211.4	13662.9	14127.4
10°	8174.2	10638.3	13982.2	15024.3	15199.8
12.5°	8214.9	11775.5	14956.6	14918.7	14697.3
15°	8282.5	12900.2	15076.7	14068.8	13738.1
17.5°	8353.5	13851.9	14553.1	13143.7	12855.8
20°	8469.1	14558.2	13738.8	12321.5	11994.2
22.5°	8635.7	14946.6	12884.7	11577.9	11364.3
25°	8850.6	14971.8	12036.6	10897.4	10628.3
27.5°	9138.6	14624.5	11223.6	10230.6	9946.4
30°	9530.4	13959.5	10468.2	9426.6	9074.0
32.5°	10062.6	13002.4	9689.4	8456.0	8060.7
35°	10720.7	11989.6	8768.9	7302.6	6875.6
37.5°	11438.8	10865.3	7651.6	6281.3	6032.6
40°	12211.4	9706.7	6327.5	5325.5	5147.5
42.5°	12814.4	8447.0	5097.6	4425.6	4236.3
45°	13121.7	6841.4	4039.4	3554.4	3405.0
47.5°	13002.0	5310.7	3202.3	2824.2	2779.4
50°	12303.5	3921.4	2563.4	2326.5	2307.9
52.5°	11211.6	2922.8	2117.4	1970.9	1938.8
55°	9703.9	2319.9	1838.8	1704.2	1699.1
57.5°	8147.3	1970.9	1669.1	1564.9	1528.7
60°	6486.8	1757.3	1540.4	1422.8	1349.3
62.5°	5084.8	1608.0	1445.9	1286.2	1217.6
65°	3890.3	1468.7	1352.8	1157.6	1098.5
67.5°	2900.0	1335.9	1239.0	1022.3	987.9
70°	2112.9	1199.7	1109.2	909.2	882.0
72.5°	1505.9	1063.8	979.6	802.9	772.9
75°	1035.8	913.4	837.8	691.2	663.3
77.5°	698.8	759.9	698.1	590.2	578.4
80°	466.6	602.6	564.6	500.1	492.9
82.5°	283.2	437.3	445.6	406.6	387.0
85°	154.2	283.2	333.9	304.2	276.0
87.5°	60.3	156.9	230.1	206.6	194.5
90°	6.1	35.6	47.0	53.0	53.0
92.5°	18.3	44.3	57.4	70.4	72.2
95°	49.6	100.0	121.7	153.9	165.2
97.5°	302.6	300.8	260.8	303.4	337.3
100°	597.3	631.2	470.4	478.2	482.5
102.5°	942.5	959.9	749.5	620.8	594.7
105°	1110.3	1119.0	1032.9	775.5	682.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	890.3	897.3	898.1	886.8	866.0
115°	766.8	766.8	766.0	769.5	753.8
117.5°	646.9	651.2	653.0	646.0	639.0
120°	544.3	552.1	550.4	545.1	538.2
122.5°	454.7	467.8	472.1	462.5	454.7
125°	377.3	388.6	399.1	388.6	383.4
127.5°	320.0	327.8	335.6	334.7	330.4
130°	275.6	282.6	291.3	293.0	292.1
132.5°	245.2	251.3	257.4	260.0	259.1
135°	221.7	226.1	231.3	235.6	235.6
137.5°	200.8	206.9	211.3	214.8	214.8
140°	186.1	190.4	194.8	196.5	197.4
142.5°	173.0	176.5	180.8	182.6	183.5
145°	161.7	164.3	168.7	170.4	170.4
147.5°	151.3	154.8	158.2	160.0	160.0
150°	143.5	146.1	149.5	150.4	151.3
152.5°	136.5	138.2	140.8	142.6	142.6
155°	129.5	132.2	133.9	135.6	135.6
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1109.4	1125.1	1084.2	949.4	827.7
110°	1017.2	1035.5	1013.8	969.4	908.6



(END OF REPORT)