

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: P827782

Luminaire Tested: **OHBL-30SE-N-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827782
REPORT IS A COMBINATION OF REPORTS P826284 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-N-UNV-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

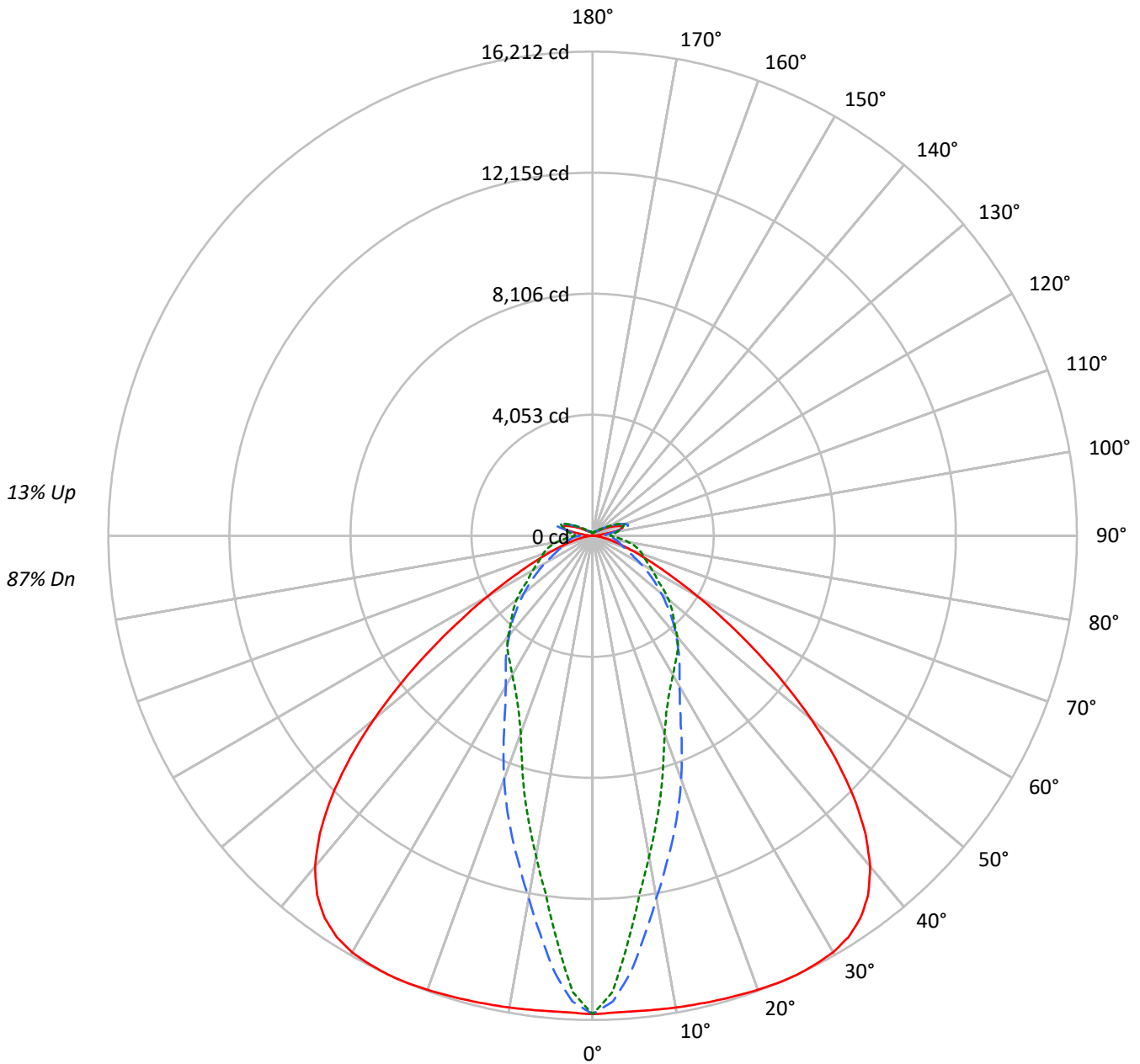
Lumens per Lamp: N/A
Luminaire Lumens: 26113.2 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 197.2
Input Voltage (V): NR
Input Current (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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	87				87															
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	77	75				75															
2	98	91	84	79	94	88	82	77	82	78	74	77	73	70	72	70	67	64				64															
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56				56															
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49				49															
5	77	66	58	52	75	64	56	51	60	54	49	57	52	47	54	50	46	44				44															
6	72	60	52	46	69	58	51	45	55	49	44	52	47	43	50	45	41	39				39															
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35				35															
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32				32															
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29				29															
10	55	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27				27															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27354	27354	27354
5°	27166	24911	23274
10°	27339	20983	18753
15°	27735	17946	15469
20°	28368	15174	12576
25°	29191	12560	11079
30°	30026	10820	10351
35°	30459	9861	9924
40°	29730	8907	9481
45°	27134	8049	8848
50°	22683	7111	8381
55°	17046	6229	7541
60°	11783	5342	7319
65°	7786	4601	7294
70°	5189	4317	7842
75°	3472	4453	8689
80°	2248	4931	9512
85°	1157	6168	11341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1348.2	5.2
10°-20°	3171.5	12.1
20°-30°	3975.4	15.2
30°-40°	4218.4	16.2
40°-50°	3814.1	14.6
50°-60°	2765.5	10.6
60°-70°	1735.5	6.6
70°-80°	1148.5	4.4
80°-90°	666.9	2.6
90°-100°	511.9	2.0
100°-110°	1086.3	4.2
110°-120°	848.7	3.3
120°-130°	402.2	1.5
130°-140°	199.9	0.8
140°-150°	115.7	0.4
150°-160°	65.3	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	8495.1	32.5
0°-40°	12713.5	48.7
0°-60°	19293.0	73.9
0°-90°	22843.9	87.5
90°-120°	2447.0	9.4
90°-150°	3164.7	12.1
90°-180°	3269.0	12.5
0°-180°	26113.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16016	16016	16016	16016	16016	
5°	15984	15574	14659	13979	13627	###
15°	16106	13127	10426	9272	8851	4567
25°	16212	10150	6981	6196	6000	7490
35°	15631	6748	5067	4908	4907	9717
45°	12357	4274	3672	3760	3824	9414
55°	6542	2649	2396	2599	2692	5911
65°	2340	1536	1387	1777	1976	2435
75°	722	828	931	1446	1533	805
85°	126	343	681	948	870	152
90°	6	176	438	606	610	12
95°	52	194	461	616	648	172
105°	1044	1107	1213	1056	979	987
115°	730	760	883	929	919	731
125°	369	386	458	471	465	344
135°	221	228	253	278	278	175
145°	169	173	180	194	192	106
155°	139	146	149	152	149	62
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16015.5	16015.5	16015.5	16015.5	16015.5
2.5°	15982.0	15890.5	15605.5	15431.7	15285.4
5°	15983.5	15573.5	14658.9	13979.1	13627.0
7.5°	16006.4	15094.9	13447.1	12454.8	12067.7
10°	16041.5	14501.9	12316.1	11258.3	10897.0
12.5°	16067.3	13834.3	11320.8	10234.0	9837.7
15°	16105.5	13127.0	10426.0	9272.1	8851.4
17.5°	16140.5	12460.9	9542.0	8336.3	7868.3
20°	16175.6	11743.0	8657.9	7415.6	7029.9
22.5°	16209.1	10985.4	7795.2	6700.7	6437.0
25°	16212.2	10150.2	6981.2	6196.2	5999.5
27.5°	16172.5	9284.4	6321.2	5773.9	5652.0
30°	16103.9	8444.5	5809.0	5469.1	5382.2
32.5°	15933.2	7587.8	5412.7	5174.9	5124.6
35°	15631.4	6748.0	5066.7	4908.1	4906.7
37.5°	15155.8	6002.6	4691.7	4664.2	4697.8
40°	14453.2	5350.2	4336.5	4409.7	4409.7
42.5°	13515.7	4783.2	4014.9	4089.6	4069.8
45°	12357.2	4274.1	3671.9	3760.4	3824.4
47.5°	11014.4	3825.9	3321.4	3492.1	3580.5
50°	9554.1	3399.1	3001.3	3219.3	3319.8
52.5°	8023.8	3004.3	2688.8	2938.8	3019.6
55°	6542.2	2649.2	2396.1	2598.9	2691.8
57.5°	5200.8	2310.8	2109.6	2301.6	2493.7
60°	4046.9	2019.6	1839.8	2114.2	2306.3
62.5°	3091.2	1760.6	1586.8	1938.9	2130.9
65°	2339.7	1536.5	1387.1	1777.3	1975.5
67.5°	1763.6	1342.9	1231.6	1659.9	1853.5
70°	1324.6	1155.4	1106.6	1586.8	1760.6
72.5°	978.6	983.2	1007.5	1522.7	1655.4
75°	722.5	827.7	931.4	1446.5	1533.4
77.5°	516.8	686.0	862.7	1355.1	1385.6
80°	358.2	559.4	791.1	1234.6	1208.8
82.5°	224.1	448.1	727.1	1102.1	1030.4
85°	126.5	343.0	681.3	948.1	870.3
87.5°	56.4	256.1	596.0	739.3	690.5
90°	5.7	176.5	438.4	605.7	610.2
92.5°	20.0	160.1	417.7	574.6	591.5
95°	52.1	193.6	460.7	615.6	647.5
97.5°	288.9	368.1	568.7	721.1	770.9
100°	564.5	666.1	737.6	848.5	867.8
102.5°	886.9	965.6	972.7	944.5	932.4
105°	1044.4	1107.4	1213.3	1056.4	979.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	843.0	886.0	1025.5	1065.3	1053.6
115°	729.7	760.2	882.9	928.8	918.8
117.5°	619.7	646.6	756.4	788.0	783.1
120°	524.3	549.9	639.7	666.9	660.4
122.5°	441.0	465.4	545.6	562.7	553.9
125°	369.1	385.7	457.9	471.1	464.7
127.5°	314.2	324.5	382.1	402.6	397.1
130°	273.0	282.5	327.2	350.2	349.4
132.5°	243.2	251.9	285.0	308.8	308.0
135°	221.4	228.4	253.1	278.5	278.5
137.5°	202.0	212.2	228.4	251.5	251.5
140°	188.3	195.3	208.5	228.4	229.2
142.5°	177.6	182.4	192.5	209.4	210.2
145°	168.6	172.6	179.7	193.5	192.0
147.5°	158.9	165.2	170.0	179.2	177.7
150°	151.6	158.7	161.9	167.2	166.6
152.5°	145.2	151.4	153.8	158.5	157.0
155°	138.7	145.7	148.9	152.0	149.0
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1043.6	1108.5	1239.7	1183.0	1080.5
110°	959.5	1019.1	1154.4	1169.6	1123.7



(END OF REPORT)