

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: P828382

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828382
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-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

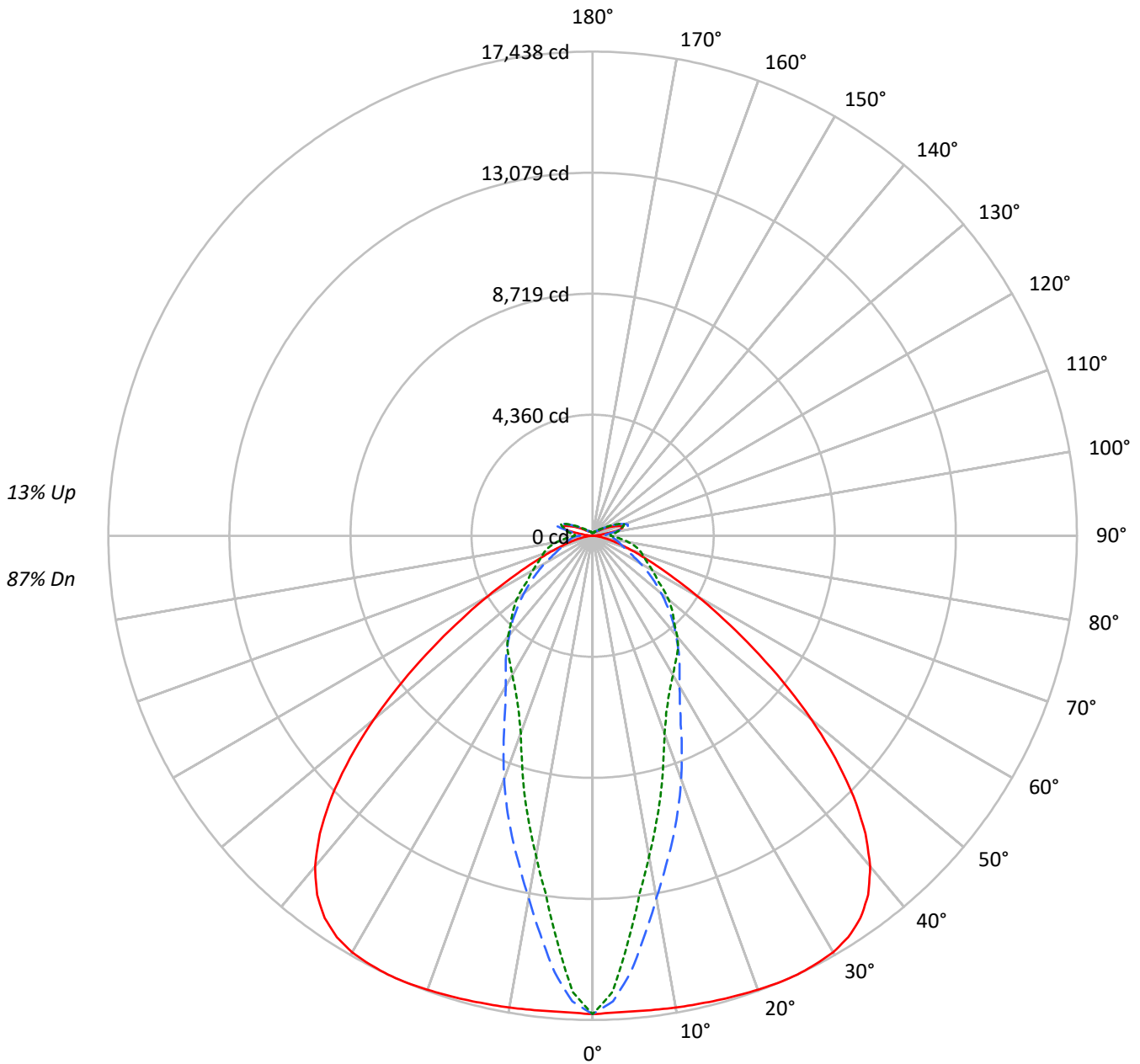
Lumens per Lamp: N/A
Luminaire Lumens: 28087.4 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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°	29422	29422	29422
5°	29220	26794	25033
10°	29406	22570	20171
15°	29832	19303	16638
20°	30513	16321	13527
25°	31398	13509	11916
30°	32297	11638	11134
35°	32762	10606	10675
40°	31977	9581	10198
45°	29186	8658	9516
50°	24398	7649	9015
55°	18335	6700	8111
60°	12674	5746	7873
65°	8374	4948	7846
70°	5581	4644	8435
75°	3734	4790	9346
80°	2418	5304	10231
85°	1244	6635	12198



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1450.1	5.2
10°-20°	3411.3	12.1
20°-30°	4276.0	15.2
30°-40°	4537.3	16.2
40°-50°	4102.4	14.6
50°-60°	2974.5	10.6
60°-70°	1866.7	6.6
70°-80°	1235.3	4.4
80°-90°	717.3	2.6
90°-100°	550.6	2.0
100°-110°	1168.5	4.2
110°-120°	912.9	3.3
120°-130°	432.6	1.5
130°-140°	215.0	0.8
140°-150°	124.4	0.4
150°-160°	70.2	0.3
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	9137.3	32.5
0°-40°	13674.6	48.7
0°-60°	20751.6	73.9
0°-90°	24570.9	87.5
90°-120°	2632.0	9.4
90°-150°	3403.9	12.1
90°-180°	3516.0	12.5
0°-180°	28087.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17226	17226	17226	17226	17226	
5°	17192	16751	15767	15036	14657	###
15°	17323	14119	11214	9973	9521	4913
25°	17438	10918	7509	6665	6453	8056
35°	16813	7258	5450	5279	5278	10452
45°	13292	4597	3950	4045	4114	10125
55°	7037	2849	2577	2795	2895	6358
65°	2517	1653	1492	1912	2125	2619
75°	777	890	1002	1556	1649	866
85°	136	369	733	1020	936	163
90°	6	190	472	652	656	13
95°	56	208	496	662	696	185
105°	1123	1191	1305	1136	1053	1062
115°	785	818	950	999	988	786
125°	397	415	492	507	500	370
135°	238	246	272	300	300	188
145°	181	186	193	208	206	115
155°	149	157	160	164	160	67
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°	17226.3	17226.3	17226.3	17226.3	17226.3
2.5°	17190.2	17091.9	16785.3	16598.4	16441.0
5°	17191.9	16750.9	15767.1	15035.9	14657.2
7.5°	17216.5	16236.1	14463.7	13396.4	12980.0
10°	17254.2	15598.3	13247.2	12109.4	11720.8
12.5°	17282.0	14880.2	12176.7	11007.7	10581.4
15°	17323.1	14119.4	11214.3	9973.1	9520.6
17.5°	17360.7	13403.0	10263.4	8966.5	8463.2
20°	17398.5	12630.8	9312.4	7976.2	7561.4
22.5°	17434.5	11815.9	8384.5	7207.3	6923.6
25°	17437.8	10917.5	7509.0	6664.6	6453.1
27.5°	17395.1	9986.3	6799.1	6210.4	6079.3
30°	17321.4	9082.9	6248.2	5882.6	5789.1
32.5°	17137.8	8161.5	5821.9	5566.1	5512.0
35°	16813.1	7258.1	5449.8	5279.2	5277.6
37.5°	16301.6	6456.4	5046.4	5016.9	5053.0
40°	15545.8	5754.7	4664.4	4743.1	4743.1
42.5°	14537.5	5144.8	4318.4	4398.8	4377.5
45°	13291.5	4597.2	3949.5	4044.7	4113.5
47.5°	11847.1	4115.2	3572.5	3756.1	3851.2
50°	10276.4	3656.1	3228.2	3462.6	3570.8
52.5°	8630.4	3231.5	2892.1	3161.0	3247.9
55°	7036.8	2849.4	2577.3	2795.4	2895.3
57.5°	5594.0	2485.5	2269.1	2475.7	2682.2
60°	4352.9	2172.3	1978.9	2274.0	2480.6
62.5°	3324.9	1893.6	1706.7	2085.4	2292.0
65°	2516.6	1652.6	1492.0	1911.6	2124.8
67.5°	1897.0	1444.4	1324.7	1785.4	1993.6
70°	1424.8	1242.8	1190.3	1706.7	1893.6
72.5°	1052.5	1057.5	1083.7	1637.9	1780.5
75°	777.1	890.2	1001.8	1555.9	1649.3
77.5°	555.8	737.8	928.0	1457.5	1490.3
80°	385.3	601.7	850.9	1328.0	1300.2
82.5°	241.0	482.0	782.1	1185.4	1108.3
85°	136.1	368.9	732.9	1019.8	936.1
87.5°	60.7	275.4	641.0	795.2	742.7
90°	6.1	189.8	471.6	651.5	656.3
92.5°	21.6	172.2	449.2	618.0	636.2
95°	56.1	208.2	495.5	662.2	696.4
97.5°	310.7	395.9	611.7	775.6	829.2
100°	607.1	716.5	793.4	912.7	933.4
102.5°	954.0	1038.6	1046.2	1015.9	1002.9
105°	1123.4	1191.1	1305.0	1136.3	1053.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	906.7	953.0	1103.1	1145.8	1133.2
115°	784.8	817.7	949.6	999.0	988.3
117.5°	666.5	695.5	813.6	847.6	842.3
120°	563.9	591.5	688.1	717.3	710.3
122.5°	474.4	500.5	586.9	605.2	595.7
125°	397.0	414.9	492.5	506.7	499.8
127.5°	338.0	349.1	411.0	433.1	427.2
130°	293.6	303.9	352.0	376.6	375.8
132.5°	261.6	270.9	306.6	332.1	331.3
135°	238.1	245.7	272.2	299.5	299.5
137.5°	217.3	228.2	245.7	270.5	270.5
140°	202.5	210.1	224.2	245.7	246.6
142.5°	191.0	196.1	207.1	225.2	226.1
145°	181.4	185.6	193.3	208.1	206.5
147.5°	170.9	177.7	182.8	192.8	191.1
150°	163.1	170.7	174.1	179.9	179.2
152.5°	156.2	162.8	165.5	170.5	168.8
155°	149.2	156.8	160.2	163.5	160.2
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°	1122.5	1192.3	1333.4	1272.4	1162.2
110°	1032.0	1096.2	1241.7	1258.0	1208.6



(END OF REPORT)