

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: P830725

Luminaire Tested: **OHBL-60SE-NL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-NL-UNV-L940-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

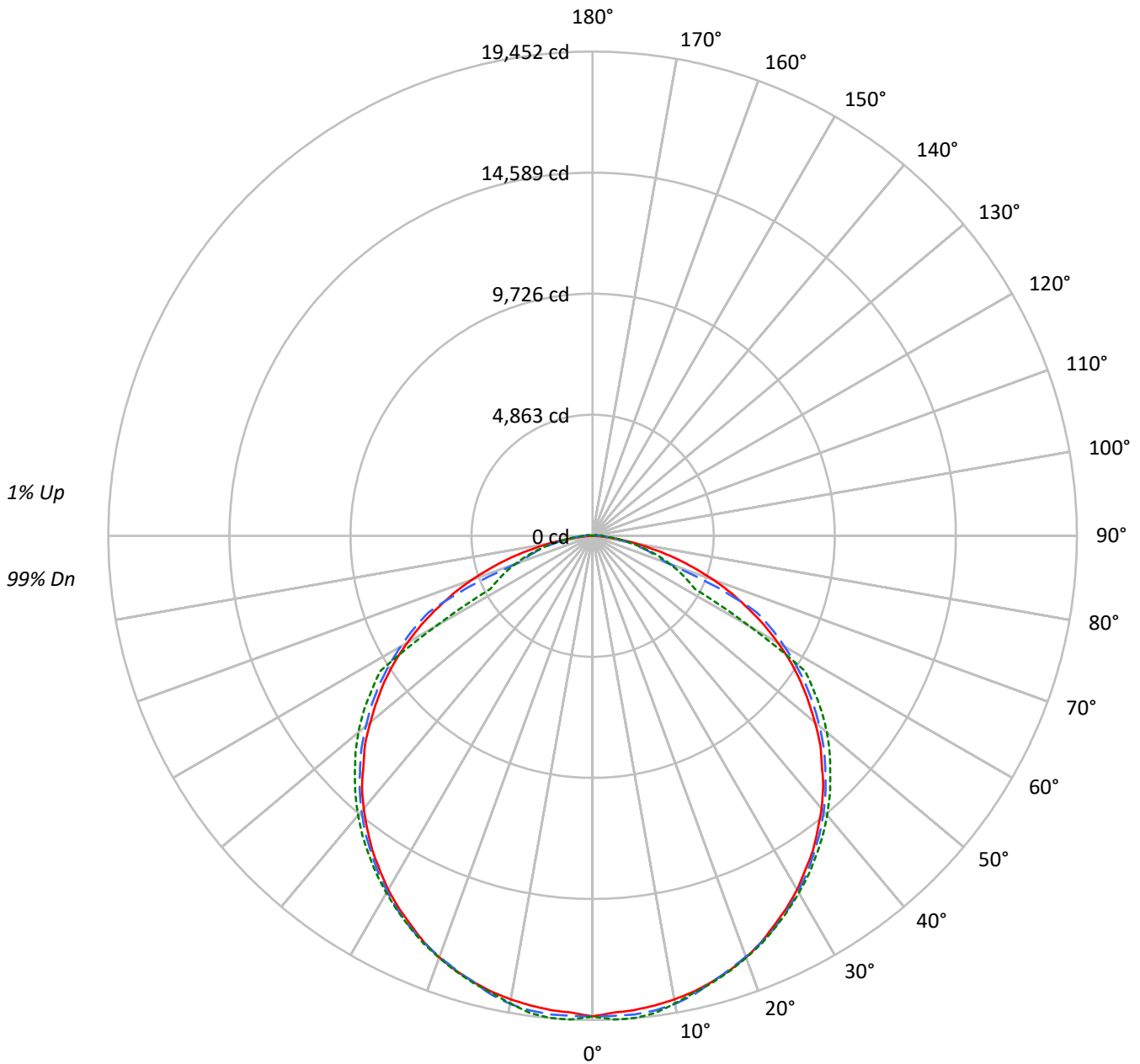
Lumens per Lamp: N/A
Luminaire Lumens: 54214.0 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 362
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

TEST NUMBER: P830725

CATALOG NUMBER: OHBL-60SE-NL-UNV-L940-CD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32981	32981	32981
5°	32798	33095	33345
10°	32808	33119	33078
15°	32802	32796	32868
20°	32757	32708	32788
25°	32533	32699	32725
30°	32383	32550	32677
35°	32173	32349	32653
40°	31895	32197	32673
45°	31435	31910	32606
50°	30961	31592	32636
55°	30369	31156	32277
60°	29352	30393	25128
65°	27770	29385	16911
70°	25685	15599	16413
75°	22404	14824	15674
80°	17229	13598	14364
85°	8695	13743	14075



TEST NUMBER: P830725

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1834.5	3.4
10°-20°	5252.6	9.7
20°-30°	7992.3	14.7
30°-40°	9717.6	17.9
40°-50°	10217.5	18.8
50°-60°	9329.8	17.2
60°-70°	5980.9	11.0
70°-80°	2825.3	5.2
80°-90°	783.4	1.4
90°-100°	207.5	0.4
100°-110°	56.8	0.1
110°-120°	15.7	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15079.4	27.8
0°-40°	24797.0	45.7
0°-60°	44344.4	81.8
0°-90°	53934.0	99.5
90°-120°	280.0	0.5
90°-150°	280.0	0.5
90°-180°	280.0	0.5
0°-180°	54214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19310	19310	19310	19310	19310	
5°	19130	19204	19303	19408	19448	###
15°	18551	18689	18547	18574	18588	5237
25°	17263	17290	17351	17378	17365	7966
35°	15430	15339	15515	15704	15660	9643
45°	13014	12990	13211	13522	13499	10059
55°	10198	10121	10463	10812	10839	9095
65°	6871	6871	7271	4171	4184	6812
75°	3395	3460	2246	2365	2375	3579
85°	444	562	701	759	718	656
90°	0	190	312	369	363	19
95°	10	98	224	302	302	5
105°	17	37	54	54	51	17
115°	17	24	34	24	3	12
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P830725

CATALOG NUMBER: OHBL-60SE-NL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19309.6	19309.6	19309.6	19309.6	19309.6
2.5°	19174.0	19238.6	19309.6	19401.1	19451.7
5°	19129.9	19204.5	19302.8	19407.9	19448.5
7.5°	19035.2	19140.0	19235.0	19309.6	19333.3
10°	18916.5	19042.0	19096.2	19089.4	19072.5
12.5°	18757.2	18889.6	18872.7	18794.5	18808.1
15°	18550.6	18689.4	18547.3	18574.3	18587.9
17.5°	18306.6	18442.2	18276.2	18330.3	18333.9
20°	18022.2	18123.7	17994.9	18039.0	18039.0
22.5°	17680.0	17751.0	17696.8	17727.3	17734.1
25°	17263.1	17290.0	17351.0	17378.3	17364.6
27.5°	16863.5	16829.4	16948.2	17012.4	16978.3
30°	16419.4	16365.2	16504.1	16609.2	16568.6
32.5°	15911.1	15877.4	16036.7	16161.8	16138.2
35°	15430.1	15338.6	15514.7	15704.5	15660.4
37.5°	14860.8	14806.6	15006.4	15206.6	15182.9
40°	14305.1	14213.6	14440.7	14677.8	14654.1
42.5°	13708.9	13600.2	13847.7	14132.6	14105.3
45°	13014.1	12990.4	13210.6	13522.4	13498.7
47.5°	12397.8	12279.0	12587.2	12888.9	12916.1
50°	11652.0	11608.2	11889.5	12255.4	12282.3
52.5°	10923.8	10893.3	11187.8	11557.3	11604.6
55°	10198.5	10120.6	10462.8	10811.9	10839.1
57.5°	9422.9	9341.5	9690.5	10070.0	10127.4
60°	8592.5	8514.6	8897.4	9250.0	7355.9
62.5°	7762.4	7708.2	8108.2	5743.1	4628.6
65°	6871.3	6871.3	7270.9	4170.9	4184.5
67.5°	6038.0	5983.8	5421.4	3747.2	3747.2
70°	5143.4	5163.8	3123.7	3283.4	3286.6
72.5°	4245.5	4320.1	2697.2	2825.7	2832.5
75°	3394.9	3459.5	2246.3	2365.1	2375.1
77.5°	2493.8	1917.7	1805.8	1897.6	1900.9
80°	1751.6	1209.6	1382.5	1470.4	1460.4
82.5°	1023.1	846.9	1013.0	1077.6	1074.0
85°	443.7	562.5	701.3	759.1	718.2
87.5°	142.1	349.0	436.9	471.0	467.4
90°	0.0	189.8	311.7	369.1	362.7
92.5°	0.0	148.9	271.2	339.0	342.2
95°	10.0	98.3	223.8	301.7	301.7
97.5°	6.8	71.0	159.3	237.1	243.9
100°	6.8	57.4	105.1	169.3	172.9
102.5°	16.9	47.4	64.2	108.3	111.9
105°	16.9	37.3	54.2	54.2	50.9



TEST NUMBER: P830725

CATALOG NUMBER: OHBL-60SE-NL-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.4	27.3	37.3	27.3	3.2
115°	16.9	23.7	33.7	23.7	3.2
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	16.9	33.7	47.4	30.5	10.0
110°	20.4	30.5	40.5	27.3	3.2



(END OF REPORT)