

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: P830716

Luminaire Tested: **OHBL-60SE-NL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830716
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-L735-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

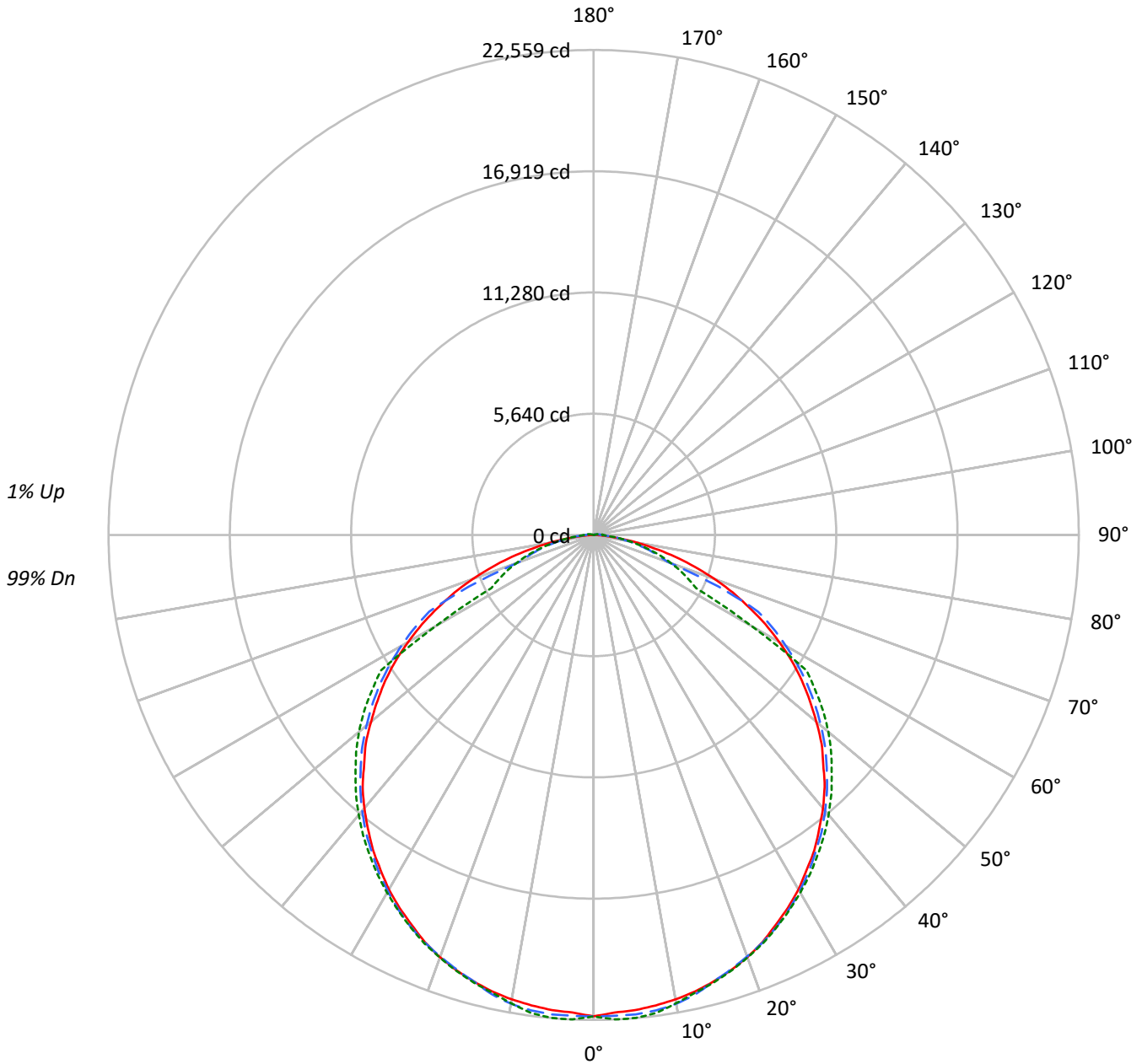
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62874.0 lumens
Efficiency: N/A
Efficacy: 173.7 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38249	38249	38249
5°	38038	38381	38671
10°	38048	38410	38362
15°	38042	38035	38118
20°	37990	37932	38025
25°	37730	37922	37952
30°	37555	37749	37897
35°	37312	37517	37869
40°	36990	37340	37892
45°	36456	37007	37814
50°	35907	36639	37849
55°	35220	36133	37433
60°	34040	35248	29142
65°	32206	34079	19613
70°	29788	18091	19034
75°	25982	17191	18177
80°	19981	15771	16658
85°	10085	15938	16322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2127.5	3.4
10°-20°	6091.7	9.7
20°-30°	9269.0	14.7
30°-40°	11269.8	17.9
40°-50°	11849.7	18.8
50°-60°	10820.2	17.2
60°-70°	6936.3	11.0
70°-80°	3276.6	5.2
80°-90°	908.6	1.4
90°-100°	240.6	0.4
100°-110°	65.9	0.1
110°-120°	18.3	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°	17488.2	27.8
0°-40°	28758.0	45.7
0°-60°	51427.8	81.8
0°-90°	62549.2	99.5
90°-120°	324.8	0.5
90°-150°	324.8	0.5
90°-180°	325.0	0.5
0°-180°	62874.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22394	22394	22394	22394	22394	
5°	22186	22272	22386	22508	22555	###
15°	21514	21675	21510	21541	21557	6074
25°	20021	20052	20123	20154	20138	9238
35°	17895	17789	17993	18213	18162	11183
45°	15093	15065	15321	15682	15655	11666
55°	11828	11737	12134	12539	12571	10548
65°	7969	7969	8432	4837	4853	7900
75°	3937	4012	2605	2743	2754	4150
85°	515	652	813	880	833	761
90°	0	220	362	428	421	23
95°	12	114	260	350	350	6
105°	20	43	63	63	59	20
115°	20	28	39	28	4	14
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



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CATALOG NUMBER: OHBL-60SE-NL-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22394.1	22394.1	22394.1	22394.1	22394.1
2.5°	22236.8	22311.7	22394.1	22500.2	22558.8
5°	22185.7	22272.2	22386.2	22508.1	22555.1
7.5°	22075.8	22197.3	22307.6	22394.1	22421.6
10°	21938.1	22083.7	22146.6	22138.7	22119.1
12.5°	21753.4	21906.9	21887.4	21796.7	21812.5
15°	21513.8	21674.8	21510.1	21541.3	21557.1
17.5°	21230.9	21388.2	21195.5	21258.4	21262.5
20°	20901.0	21018.7	20869.4	20920.5	20920.5
22.5°	20504.1	20586.5	20523.7	20559.0	20566.9
25°	20020.7	20051.9	20122.6	20154.2	20138.4
27.5°	19557.2	19517.7	19655.4	19729.9	19690.4
30°	19042.2	18979.4	19140.4	19262.3	19215.3
32.5°	18452.7	18413.6	18598.3	18743.5	18716.0
35°	17894.8	17788.7	17993.0	18213.1	18161.9
37.5°	17234.6	17171.8	17403.5	17635.6	17608.2
40°	16590.2	16484.1	16747.4	17022.4	16995.0
42.5°	15898.7	15772.7	16059.7	16390.1	16358.4
45°	15092.9	15065.4	15320.9	15682.4	15654.9
47.5°	14378.2	14240.5	14597.8	14947.7	14979.3
50°	13513.3	13462.5	13788.7	14213.0	14244.2
52.5°	12668.7	12633.4	12974.9	13403.4	13458.3
55°	11827.5	11737.3	12134.1	12538.9	12570.6
57.5°	10928.1	10833.7	11238.4	11678.6	11745.2
60°	9965.0	9874.7	10318.6	10727.6	8531.0
62.5°	9002.3	8939.5	9403.4	6660.5	5367.9
65°	7968.9	7968.9	8432.4	4837.1	4852.9
67.5°	7002.5	6939.7	6287.4	4345.8	4345.8
70°	5964.9	5988.7	3622.7	3807.9	3811.6
72.5°	4923.6	5010.2	3128.1	3277.0	3284.9
75°	3937.2	4012.1	2605.1	2742.8	2754.5
77.5°	2892.2	2224.1	2094.3	2200.8	2204.5
80°	2031.4	1402.8	1603.4	1705.3	1693.6
82.5°	1186.5	982.2	1174.8	1249.7	1245.6
85°	514.6	652.3	813.3	880.3	832.9
87.5°	164.7	404.8	506.7	546.2	542.1
90°	0.0	220.1	361.5	428.1	420.6
92.5°	0.0	172.6	314.5	393.1	396.9
95°	11.6	114.0	259.6	349.9	349.9
97.5°	7.9	82.4	184.7	275.0	282.9
100°	7.9	66.6	121.9	196.4	200.5
102.5°	19.6	54.9	74.5	125.6	129.8
105°	19.6	43.3	62.8	62.8	59.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.7	31.6	43.3	31.6	3.7
115°	19.6	27.5	39.1	27.5	3.7
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°	19.6	39.1	54.9	35.4	11.6
110°	23.7	35.4	47.0	31.6	3.7



(END OF REPORT)