

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: P830648

Luminaire Tested: **OHBL-60HE-NL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830648
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-60HE-NL-UNV-L835-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

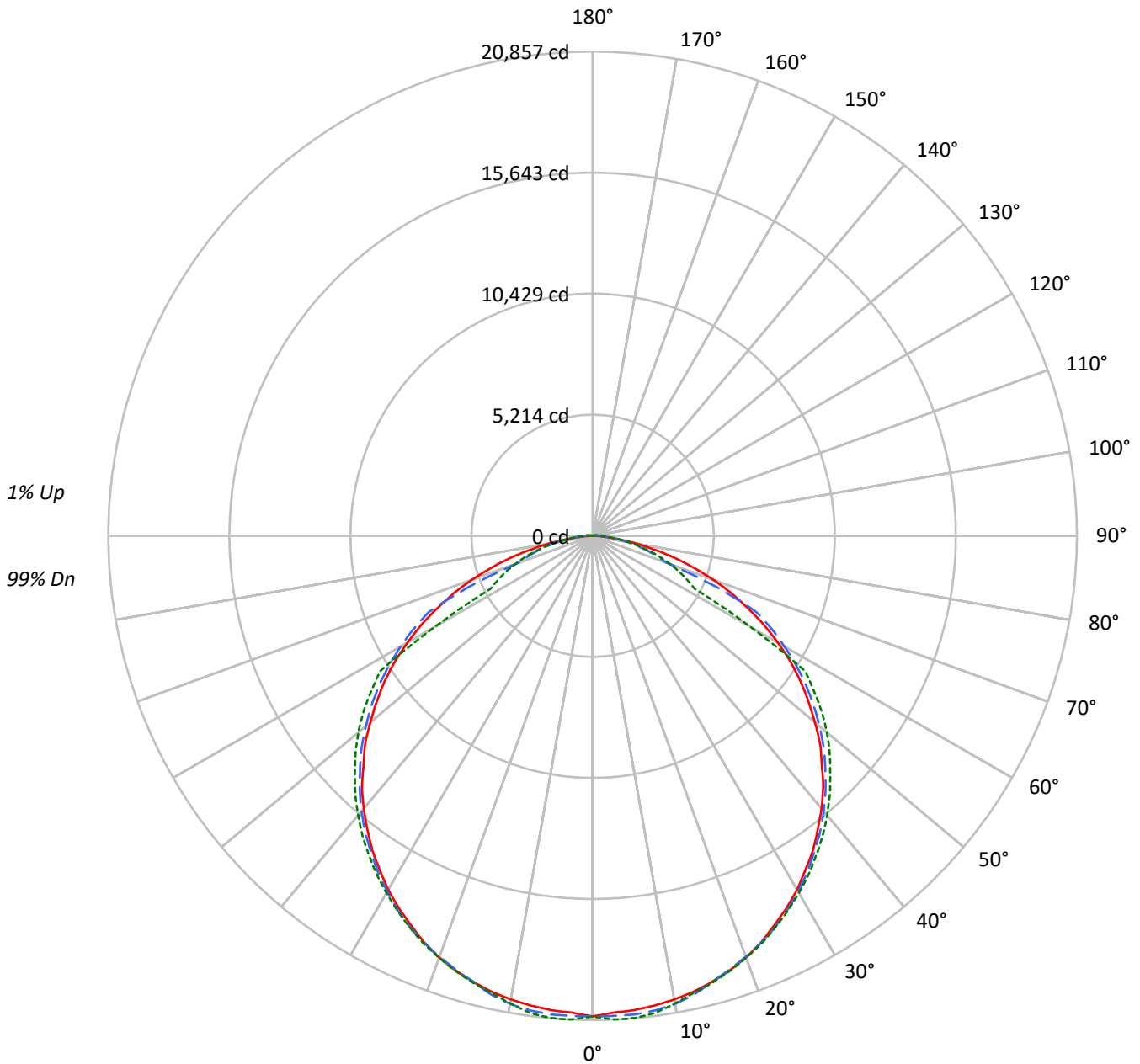
Lumens per Lamp: N/A
Luminaire Lumens: 58130.0 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 338
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	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°	32743	32743	32743
5°	32563	32857	33105
10°	32572	32881	32840
15°	32566	32560	32631
20°	32522	32472	32552
25°	32299	32464	32489
30°	32150	32316	32442
35°	31941	32117	32418
40°	31666	31966	32438
45°	31209	31680	32371
50°	30738	31365	32401
55°	30150	30932	32045
60°	29141	30175	24947
65°	27570	29174	16790
70°	25500	15487	16295
75°	22243	14717	15561
80°	17105	13501	14260
85°	8634	13645	13972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1967.0	3.4
10°-20°	5632.1	9.7
20°-30°	8569.6	14.7
30°-40°	10419.5	17.9
40°-50°	10955.6	18.8
50°-60°	10003.8	17.2
60°-70°	6412.9	11.0
70°-80°	3029.4	5.2
80°-90°	840.0	1.4
90°-100°	222.5	0.4
100°-110°	60.9	0.1
110°-120°	16.9	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°	16168.7	27.8
0°-40°	26588.1	45.7
0°-60°	47547.5	81.8
0°-90°	57829.7	99.5
90°-120°	300.3	0.5
90°-150°	300.3	0.5
90°-180°	300.0	0.5
0°-180°	58130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20704	20704	20704	20704	20704	
5°	20512	20592	20697	20810	20853	###
15°	19890	20039	19887	19916	19930	5615
25°	18510	18539	18604	18634	18619	8541
35°	16545	16446	16635	16839	16792	10339
45°	13954	13929	14165	14499	14474	10786
55°	10935	10852	11219	11593	11622	9752
65°	7368	7368	7796	4472	4487	7304
75°	3640	3709	2409	2536	2547	3837
85°	476	603	752	814	770	703
90°	0	204	334	396	389	21
95°	11	105	240	324	324	6
105°	18	40	58	58	55	18
115°	18	25	36	25	4	13
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-60HE-NL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20704.4	20704.4	20704.4	20704.4	20704.4
2.5°	20559.0	20628.3	20704.4	20802.5	20856.7
5°	20511.7	20591.7	20697.1	20809.8	20853.3
7.5°	20410.2	20522.5	20624.4	20704.4	20729.8
10°	20282.9	20417.5	20475.6	20468.2	20450.2
12.5°	20112.1	20254.0	20235.9	20152.1	20166.7
15°	19890.5	20039.4	19887.1	19915.9	19930.5
17.5°	19629.0	19774.4	19596.3	19654.4	19658.2
20°	19324.0	19432.8	19294.7	19342.0	19342.0
22.5°	18957.0	19033.2	18975.1	19007.8	19015.1
25°	18510.1	18538.9	18604.3	18633.5	18618.9
27.5°	18081.6	18045.1	18172.4	18241.2	18204.7
30°	17605.4	17547.3	17696.2	17808.9	17765.4
32.5°	17060.4	17024.2	17195.0	17329.3	17303.9
35°	16544.6	16446.5	16635.4	16838.8	16791.5
37.5°	15934.2	15876.1	16090.4	16305.0	16279.6
40°	15338.4	15240.3	15483.8	15738.0	15712.6
42.5°	14699.1	14582.6	14848.0	15153.4	15124.2
45°	13954.1	13928.7	14164.9	14499.1	14473.7
47.5°	13293.3	13166.0	13496.4	13819.9	13849.1
50°	12493.6	12446.7	12748.3	13140.6	13169.4
52.5°	11712.8	11680.2	11995.9	12392.1	12442.9
55°	10935.1	10851.7	11218.6	11592.8	11622.1
57.5°	10103.5	10016.2	10390.5	10797.4	10859.0
60°	9213.1	9129.6	9540.1	9918.1	7887.3
62.5°	8323.1	8265.0	8693.9	6158.0	4962.9
65°	7367.6	7367.6	7796.1	4472.1	4486.7
67.5°	6474.1	6416.1	5813.0	4017.9	4017.9
70°	5514.9	5536.8	3349.4	3520.5	3524.0
72.5°	4552.1	4632.1	2892.1	3029.8	3037.1
75°	3640.2	3709.4	2408.6	2535.9	2546.7
77.5°	2674.0	2056.2	1936.2	2034.7	2038.2
80°	1878.2	1297.0	1482.4	1576.6	1565.8
82.5°	1097.0	908.1	1086.2	1155.4	1151.6
85°	475.8	603.1	752.0	813.9	770.0
87.5°	152.3	374.2	468.5	505.0	501.2
90°	0.0	203.5	334.2	395.8	388.9
92.5°	0.0	159.6	290.8	363.5	366.9
95°	10.8	105.4	240.0	323.5	323.5
97.5°	7.3	76.2	170.8	254.2	261.6
100°	7.3	61.5	112.7	181.5	185.4
102.5°	18.1	50.8	68.8	116.2	120.0
105°	18.1	40.0	58.1	58.1	54.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.9	29.2	40.0	29.2	3.5
115°	18.1	25.4	36.2	25.4	3.5
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°	18.1	36.2	50.8	32.7	10.8
110°	21.9	32.7	43.5	29.2	3.5



(END OF REPORT)