

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: P830658

Luminaire Tested: **OHBL-60HE-W-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

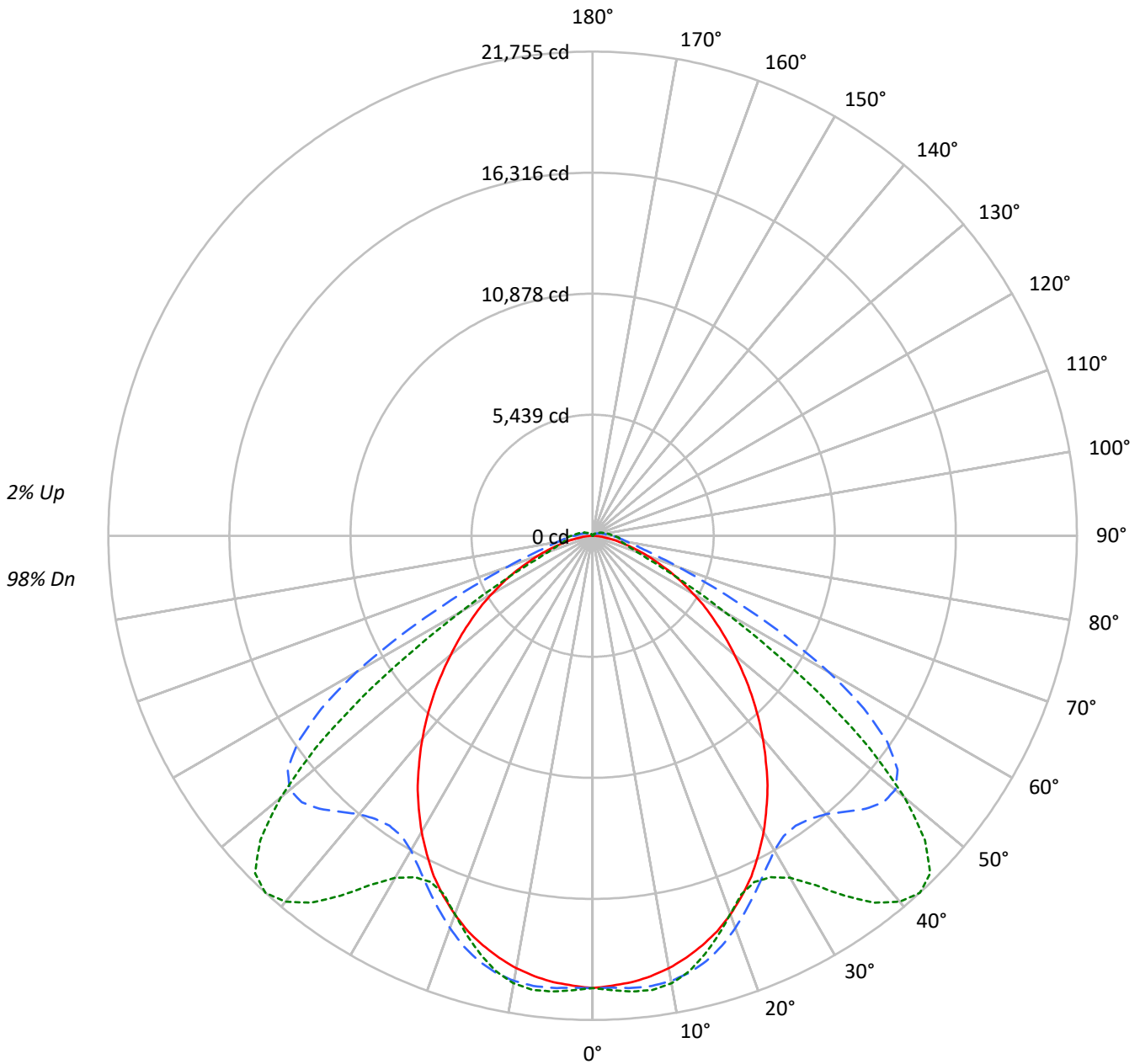
Test Method: LM-79-08  
Report Number: P830658  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60HE-W-UNV-L750-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 60846.0 lumens  
Efficiency: N/A  
Efficacy: 180.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 338  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	110	110	110	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	32138	32138	32138
5°	31839	32107	32367
10°	31439	32073	32269
15°	30826	31557	31100
20°	29986	30486	29445
25°	28861	29187	28719
30°	27366	28225	30750
35°	25660	28763	35787
40°	23680	31170	41120
45°	21610	35382	43895
50°	19452	39155	40520
55°	17423	39143	30663
60°	15357	33154	18523
65°	13176	22926	11046
70°	10705	14849	7806
75°	8144	10671	7008
80°	5845	9414	7487
85°	3967	10432	10550



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1941.9	3.2
10°-20°	5499.0	9.0
20°-30°	8046.9	13.2
30°-40°	10450.5	17.2
40°-50°	12761.4	21.0
50°-60°	11238.4	18.5
60°-70°	5856.4	9.6
70°-80°	2511.4	4.1
80°-90°	1206.1	2.0
90°-100°	566.6	0.9
100°-110°	352.2	0.6
110°-120°	208.2	0.3
120°-130°	113.2	0.2
130°-140°	56.8	0.1
140°-150°	27.3	0.0
150°-160°	9.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15487.8	25.5
0°-40°	25938.3	42.6
0°-60°	49938.1	82.1
0°-90°	59512.0	97.8
90°-120°	1127.1	1.9
90°-150°	1324.4	2.2
90°-180°	1334.0	2.2
0°-180°	60846.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20322	20322	20322	20322	20322	
5°	20133	20286	20396	20576	20554	###
15°	19050	19585	19773	19624	19466	5364
25°	16880	17783	17480	17152	17169	7746
35°	13701	15148	15906	18550	19738	8540
45°	10088	12693	17349	21005	21444	7779
55°	6717	11119	16156	14166	12592	6028
65°	3854	7703	7396	4112	3538	3813
75°	1552	3604	2376	1627	1543	1692
85°	329	1285	1210	1184	1197	367
90°	4	465	798	912	934	23
95°	9	272	636	745	767	7
105°	18	154	412	495	504	19
115°	26	88	254	311	320	27
125°	31	44	149	193	197	26
135°	26	26	70	118	123	20
145°	35	26	31	57	66	21
155°	35	35	26	26	26	11
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20321.5	20321.5	20321.5	20321.5	20321.5
2.5°	20233.8	20321.5	20325.8	20448.6	20435.4
5°	20132.9	20286.4	20396.0	20575.7	20553.8
7.5°	19966.3	20207.5	20400.4	20597.7	20580.1
10°	19729.6	20058.4	20312.7	20474.9	20422.3
12.5°	19422.7	19856.7	20106.6	20141.7	20040.9
15°	19050.0	19584.9	19773.4	19624.3	19466.5
17.5°	18629.1	19256.1	19321.8	18997.4	18800.1
20°	18103.0	18817.6	18751.9	18304.7	18085.4
22.5°	17519.9	18335.3	18124.9	17655.8	17445.3
25°	16879.7	17782.9	17480.4	17151.6	17169.1
27.5°	16130.0	17156.0	16862.2	17011.3	17291.9
30°	15367.1	16498.3	16318.5	17186.6	17739.1
32.5°	14529.7	15823.1	15985.3	17699.6	18602.8
35°	13701.1	15147.9	15906.4	18550.2	19738.3
37.5°	12784.8	14464.0	16033.6	19532.3	20777.4
40°	11894.7	13797.5	16322.9	20413.5	21465.8
42.5°	10987.2	13201.3	16809.6	20935.3	21755.1
45°	10088.4	12692.7	17348.9	21005.4	21443.8
47.5°	9189.6	12263.0	17721.5	20448.6	20246.9
50°	8321.5	11881.6	17747.8	19111.4	18287.1
52.5°	7510.4	11530.8	17265.6	16980.6	15700.4
55°	6716.8	11118.7	16156.3	14165.8	12591.8
57.5°	5993.4	10548.7	14446.4	11140.6	9422.0
60°	5226.1	9777.1	12236.7	8150.5	6795.7
62.5°	4520.3	8816.9	9759.6	5673.3	4884.2
65°	3853.8	7703.3	7396.4	4112.5	3538.2
67.5°	3148.0	6550.2	5458.5	2998.9	2630.6
70°	2595.5	5480.4	4064.3	2332.5	2117.6
72.5°	2030.0	4463.3	3038.4	1894.0	1775.7
75°	1552.1	3603.9	2376.3	1626.6	1543.3
77.5°	1144.3	2849.8	1911.6	1438.1	1359.1
80°	802.3	2244.8	1600.3	1284.6	1253.9
82.5°	539.3	1736.2	1363.5	1223.2	1227.6
85°	328.8	1284.6	1210.1	1183.8	1196.9
87.5°	157.8	911.9	1039.1	1078.5	1091.7
90°	4.4	464.7	798.0	911.9	933.9
92.5°	0.0	355.1	701.5	815.5	837.4
95°	8.8	271.8	635.7	745.3	767.3
97.5°	8.8	223.6	570.0	684.0	697.1
100°	13.2	192.9	508.6	618.2	631.3
102.5°	13.2	171.0	456.0	552.4	561.2
105°	17.5	153.5	412.1	495.4	504.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	26.3	105.2	289.4	350.7	359.5
115°	26.3	87.7	254.3	311.3	320.1
117.5°	30.7	78.9	223.6	276.2	280.6
120°	30.7	65.8	192.9	245.5	249.9
122.5°	30.7	52.6	171.0	219.2	223.6
125°	30.7	43.8	149.1	192.9	197.3
127.5°	26.3	30.7	127.1	171.0	175.4
130°	26.3	26.3	105.2	149.1	157.8
132.5°	26.3	26.3	87.7	131.5	140.3
135°	26.3	26.3	70.1	118.4	122.8
137.5°	26.3	26.3	57.0	100.8	109.6
140°	26.3	26.3	43.8	87.7	92.1
142.5°	30.7	26.3	39.5	74.5	78.9
145°	35.1	26.3	30.7	57.0	65.8
147.5°	35.1	30.7	30.7	48.2	52.6
150°	35.1	35.1	26.3	35.1	43.8
152.5°	35.1	35.1	26.3	26.3	35.1
155°	35.1	35.1	26.3	26.3	26.3
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°	21.9	135.9	368.3	442.8	451.6
110°	21.9	118.4	324.4	394.6	403.4



(END OF REPORT)