

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: P830624

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60HE-MFL-UNV-L835-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

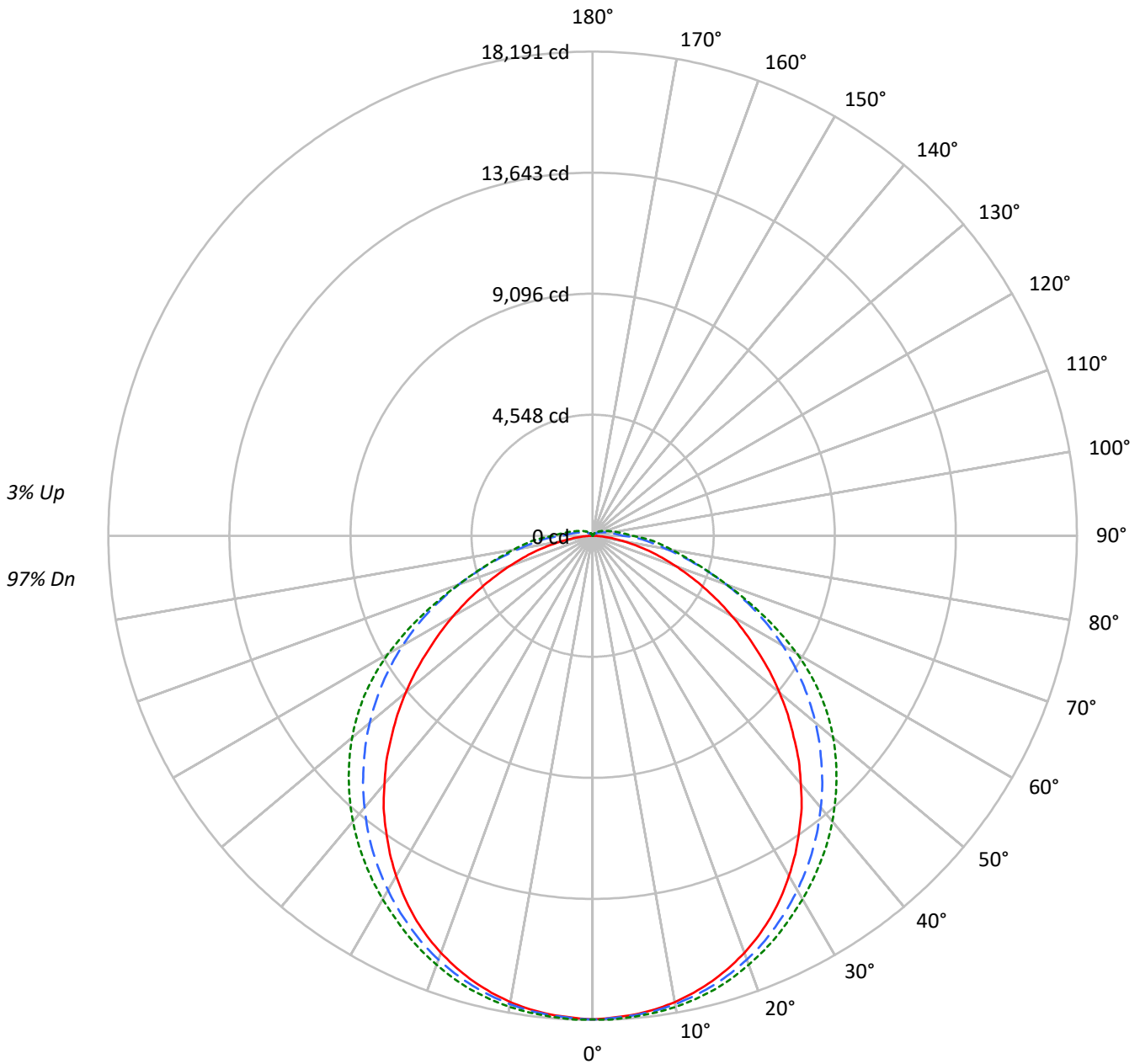
Lumens per Lamp: N/A
Luminaire Lumens: 54388.0 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 338
Input Voltage (V): NR
Input Current (A_{in}): 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										
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	50	30	10	50	30	10	0				
RCR																															
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99	99	99	99	99	97				
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	86	84	82	86	84	82	80				
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	75	72	68	75	72	68	66				
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	67	62	58	67	62	58	56				
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	59	54	50	59	54	50	47				
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	53	48	43	53	48	43	41				
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	48	43	38	48	43	38	36				
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	44	38	34	44	38	34	32				
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	41	35	30	41	35	30	28				
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	37	32	27	37	32	27	25				
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	35	29	25	35	29	25	23				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28740	28740	28740
5°	28556	28468	28555
10°	28356	28217	28405
15°	28039	27916	28209
20°	27619	27549	27921
25°	27057	27090	27631
30°	26279	26593	27338
35°	25338	26065	27086
40°	24208	25454	26837
45°	22875	24789	26520
50°	21416	24118	26135
55°	19624	23296	25484
60°	17787	22329	24185
65°	15784	21092	22050
70°	13611	19516	19738
75°	11412	17695	18176
80°	8652	16378	18032
85°	5474	17024	20150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1722.0	3.2
10°-20°	4940.1	9.1
20°-30°	7471.0	13.7
30°-40°	8969.0	16.5
40°-50°	9263.5	17.0
50°-60°	8334.3	15.3
60°-70°	6278.1	11.5
70°-80°	3790.9	7.0
80°-90°	1854.1	3.4
90°-100°	780.4	1.4
100°-110°	445.5	0.8
110°-120°	261.5	0.5
120°-130°	147.9	0.3
130°-140°	77.9	0.1
140°-150°	37.9	0.1
150°-160°	14.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14133.0	26.0
0°-40°	23102.0	42.5
0°-60°	40699.8	74.8
0°-90°	52622.9	96.8
90°-120°	1487.4	2.7
90°-150°	1751.0	3.2
90°-180°	1765.0	3.2
0°-180°	54388.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18173	18173	18173	18173	18173	
5°	18057	18106	18084	18155	18133	###
15°	17328	17412	17492	17639	17657	4885
25°	15824	15998	16225	16478	16518	7279
35°	13530	13845	14415	14850	14939	8458
45°	10679	11217	12155	12818	12956	8244
55°	7565	8348	9616	10341	10465	6783
65°	4617	5560	6805	7143	7063	4587
75°	2175	3122	3940	4043	4003	2320
85°	454	1196	1975	2246	2286	524
90°	0	467	1130	1423	1481	29
95°	22	316	845	1076	1116	19
105°	31	182	489	640	667	31
115°	36	102	302	405	422	36
125°	36	49	182	262	276	32
135°	31	40	93	160	178	24
145°	44	40	44	80	93	26
155°	44	49	44	40	44	14
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°	18172.8	18172.8	18172.8	18172.8	18172.8
2.5°	18119.4	18163.9	18137.2	18195.0	18190.6
5°	18057.1	18106.0	18083.8	18155.0	18132.7
7.5°	17950.4	18003.8	17999.3	18079.4	18070.5
10°	17794.7	17852.5	17870.3	17977.1	17977.1
12.5°	17581.2	17656.8	17701.3	17830.3	17834.7
15°	17327.7	17412.2	17492.3	17639.1	17656.8
17.5°	17020.8	17127.6	17238.8	17407.8	17430.0
20°	16673.9	16794.0	16945.2	17123.1	17149.8
22.5°	16273.7	16416.0	16611.7	16820.7	16851.8
25°	15824.4	15997.9	16224.7	16478.2	16518.3
27.5°	15313.0	15513.1	15820.0	16104.6	16140.2
30°	14757.0	14992.8	15375.2	15713.3	15771.1
32.5°	14170.0	14441.3	14912.7	15290.7	15370.8
35°	13529.5	13845.3	14414.6	14850.4	14939.4
37.5°	12897.9	13244.9	13889.8	14387.9	14494.6
40°	12159.6	12591.1	13329.4	13880.9	14009.8
42.5°	11465.8	11932.8	12769.0	13369.4	13493.9
45°	10678.6	11216.8	12155.2	12817.9	12955.8
47.5°	9940.3	10522.9	11563.7	12248.6	12390.9
50°	9162.0	9802.4	10932.1	11648.2	11794.9
52.5°	8383.7	9073.0	10278.3	11021.1	11158.9
55°	7565.3	8348.1	9615.6	10340.6	10465.1
57.5°	6804.8	7632.0	8935.2	9624.5	9700.1
60°	6053.1	6911.5	8241.3	8846.2	8872.9
62.5°	5319.3	6222.1	7529.7	8010.1	7974.5
65°	4616.6	5559.5	6804.8	7142.8	7062.7
67.5°	3940.5	4914.6	6062.0	6280.0	6173.2
70°	3300.1	4287.5	5341.5	5452.7	5354.9
72.5°	2735.3	3691.5	4612.1	4705.5	4634.4
75°	2174.9	3122.2	3940.5	4042.8	4002.8
77.5°	1650.0	2570.7	3322.3	3455.8	3464.7
80°	1187.5	2068.1	2784.2	2993.2	3019.9
82.5°	782.8	1605.6	2335.0	2601.8	2641.9
85°	453.7	1196.4	1974.7	2246.0	2286.0
87.5°	195.7	862.8	1587.8	1832.4	1881.3
90°	0.0	467.0	1129.7	1423.2	1481.0
92.5°	13.3	386.9	969.6	1236.4	1285.3
95°	22.2	315.8	845.0	1076.3	1116.3
97.5°	26.7	266.9	733.8	938.4	978.5
100°	26.7	231.3	636.0	822.8	858.4
102.5°	26.7	204.6	555.9	720.5	751.6
105°	31.1	182.4	489.2	640.4	667.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.6	120.1	338.0	453.7	471.4
115°	35.6	102.3	302.4	404.7	422.5
117.5°	40.0	89.0	266.9	364.7	378.0
120°	40.0	75.6	235.7	324.7	342.5
122.5°	40.0	62.3	209.0	293.5	306.9
125°	35.6	48.9	182.4	262.4	275.7
127.5°	31.1	40.0	155.7	235.7	249.1
130°	31.1	35.6	133.4	209.0	222.4
132.5°	31.1	40.0	111.2	182.4	200.1
135°	31.1	40.0	93.4	160.1	177.9
137.5°	31.1	40.0	75.6	137.9	155.7
140°	35.6	40.0	62.3	115.6	133.4
142.5°	40.0	40.0	48.9	97.8	111.2
145°	44.5	40.0	44.5	80.1	93.4
147.5°	44.5	44.5	44.5	62.3	75.6
150°	44.5	48.9	44.5	48.9	62.3
152.5°	44.5	48.9	44.5	40.0	48.9
155°	44.5	48.9	44.5	40.0	44.5
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°	31.1	160.1	431.4	569.3	591.5
110°	31.1	142.3	382.5	507.0	529.3



(END OF REPORT)