

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: P830335

Luminaire Tested: **OHBL-36HE-MFL-UNV-L830-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830335
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-36HE-MFL-UNV-L830-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

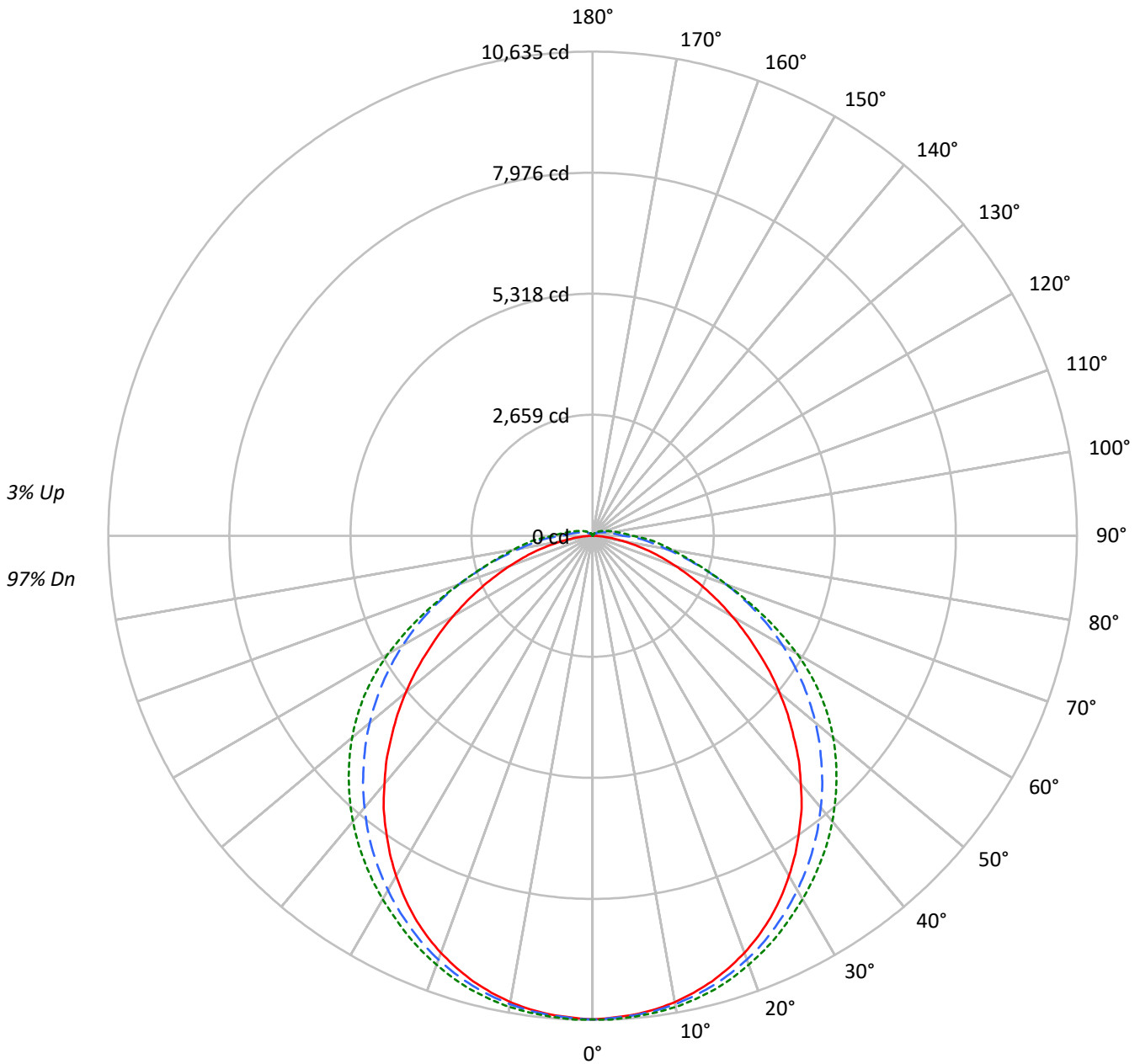
Lumens per Lamp: N/A
Luminaire Lumens: 31796.9 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
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°	16802	16802	16802
5°	16695	16643	16694
10°	16578	16496	16607
15°	16392	16321	16492
20°	16147	16106	16324
25°	15818	15838	16154
30°	15364	15547	15983
35°	14814	15238	15835
40°	14153	14881	15690
45°	13373	14493	15505
50°	12521	14100	15279
55°	11473	13620	14899
60°	10399	13054	14139
65°	9228	12331	12891
70°	7957	11410	11539
75°	6672	10345	10627
80°	5058	9575	10542
85°	3200	9953	11781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1006.7	3.2
10°-20°	2888.1	9.1
20°-30°	4367.8	13.7
30°-40°	5243.6	16.5
40°-50°	5415.8	17.0
50°-60°	4872.5	15.3
60°-70°	3670.4	11.5
70°-80°	2216.3	7.0
80°-90°	1083.9	3.4
90°-100°	456.2	1.4
100°-110°	260.4	0.8
110°-120°	152.9	0.5
120°-130°	86.5	0.3
130°-140°	45.5	0.1
140°-150°	22.1	0.1
150°-160°	8.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8262.6	26.0
0°-40°	13506.2	42.5
0°-60°	23794.4	74.8
0°-90°	30765.1	96.8
90°-120°	869.5	2.7
90°-150°	1023.7	3.2
90°-180°	1032.0	3.2
0°-180°	31796.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10624	10624	10624	10624	10624	
5°	10557	10585	10572	10614	10601	###
15°	10130	10180	10227	10312	10323	2856
25°	9252	9353	9486	9634	9657	4255
35°	7910	8094	8427	8682	8734	4945
45°	6243	6558	7106	7494	7574	4820
55°	4423	4881	5622	6045	6118	3966
65°	2699	3250	3978	4176	4129	2681
75°	1272	1825	2304	2364	2340	1356
85°	265	700	1154	1313	1336	306
90°	0	273	660	832	866	17
95°	13	185	494	629	653	11
105°	18	107	286	374	390	18
115°	21	60	177	237	247	21
125°	21	29	107	153	161	19
135°	18	23	55	94	104	14
145°	26	23	26	47	55	15
155°	26	29	26	23	26	8
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°	10624.4	10624.4	10624.4	10624.4	10624.4
2.5°	10593.2	10619.2	10603.6	10637.4	10634.8
5°	10556.8	10585.4	10572.4	10614.0	10601.0
7.5°	10494.4	10525.6	10523.0	10569.8	10564.6
10°	10403.4	10437.2	10447.6	10510.0	10510.0
12.5°	10278.6	10322.8	10348.8	10424.2	10426.8
15°	10130.4	10179.8	10226.6	10312.4	10322.8
17.5°	9950.9	10013.3	10078.3	10177.2	10190.2
20°	9748.1	9818.3	9906.7	10010.7	10026.3
22.5°	9514.1	9597.3	9711.7	9833.9	9852.1
25°	9251.5	9352.9	9485.5	9633.7	9657.1
27.5°	8952.5	9069.5	9248.9	9415.3	9436.1
30°	8627.4	8765.3	8988.9	9186.5	9220.3
32.5°	8284.2	8442.8	8718.4	8939.5	8986.3
35°	7909.8	8094.4	8427.2	8682.0	8734.0
37.5°	7540.6	7743.4	8120.4	8411.6	8474.0
40°	7108.9	7361.1	7792.8	8115.2	8190.6
42.5°	6703.3	6976.3	7465.2	7816.2	7889.0
45°	6243.1	6557.7	7106.3	7493.8	7574.4
47.5°	5811.4	6152.1	6760.5	7160.9	7244.1
50°	5356.4	5730.8	6391.3	6809.9	6895.7
52.5°	4901.4	5304.4	6009.0	6443.3	6523.9
55°	4422.9	4880.6	5621.6	6045.4	6118.3
57.5°	3978.3	4461.9	5223.8	5626.8	5671.0
60°	3538.9	4040.7	4818.2	5171.8	5187.4
62.5°	3109.8	3637.7	4402.1	4682.9	4662.1
65°	2699.0	3250.2	3978.3	4175.9	4129.1
67.5°	2303.8	2873.2	3544.1	3671.5	3609.1
70°	1929.3	2506.6	3122.8	3187.8	3130.6
72.5°	1599.1	2158.2	2696.4	2751.0	2709.4
75°	1271.5	1825.3	2303.8	2363.6	2340.2
77.5°	964.7	1502.9	1942.3	2020.4	2025.6
80°	694.3	1209.1	1627.7	1749.9	1765.5
82.5°	457.6	938.7	1365.1	1521.1	1544.5
85°	265.2	699.5	1154.5	1313.1	1336.5
87.5°	114.4	504.4	928.3	1071.3	1099.9
90°	0.0	273.0	660.4	832.1	865.9
92.5°	7.8	226.2	566.8	722.9	751.5
95°	13.0	184.6	494.0	629.2	652.6
97.5°	15.6	156.0	429.0	548.6	572.0
100°	15.6	135.2	371.8	481.0	501.8
102.5°	15.6	119.6	325.0	421.2	439.4
105°	18.2	106.6	286.0	374.4	390.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.8	70.2	197.6	265.2	275.6
115°	20.8	59.8	176.8	236.6	247.0
117.5°	23.4	52.0	156.0	213.2	221.0
120°	23.4	44.2	137.8	189.8	200.2
122.5°	23.4	36.4	122.2	171.6	179.4
125°	20.8	28.6	106.6	153.4	161.2
127.5°	18.2	23.4	91.0	137.8	145.6
130°	18.2	20.8	78.0	122.2	130.0
132.5°	18.2	23.4	65.0	106.6	117.0
135°	18.2	23.4	54.6	93.6	104.0
137.5°	18.2	23.4	44.2	80.6	91.0
140°	20.8	23.4	36.4	67.6	78.0
142.5°	23.4	23.4	28.6	57.2	65.0
145°	26.0	23.4	26.0	46.8	54.6
147.5°	26.0	26.0	26.0	36.4	44.2
150°	26.0	28.6	26.0	28.6	36.4
152.5°	26.0	28.6	26.0	23.4	28.6
155°	26.0	28.6	26.0	23.4	26.0
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°	18.2	93.6	252.2	332.8	345.8
110°	18.2	83.2	223.6	296.4	309.4



(END OF REPORT)