

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: P826592

Luminaire Tested: **OHBL-36HE-MFL-UNV-L830-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826592
REPORT IS A COMBINATION OF REPORTS P826313 AND G3-2310-221-2
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-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

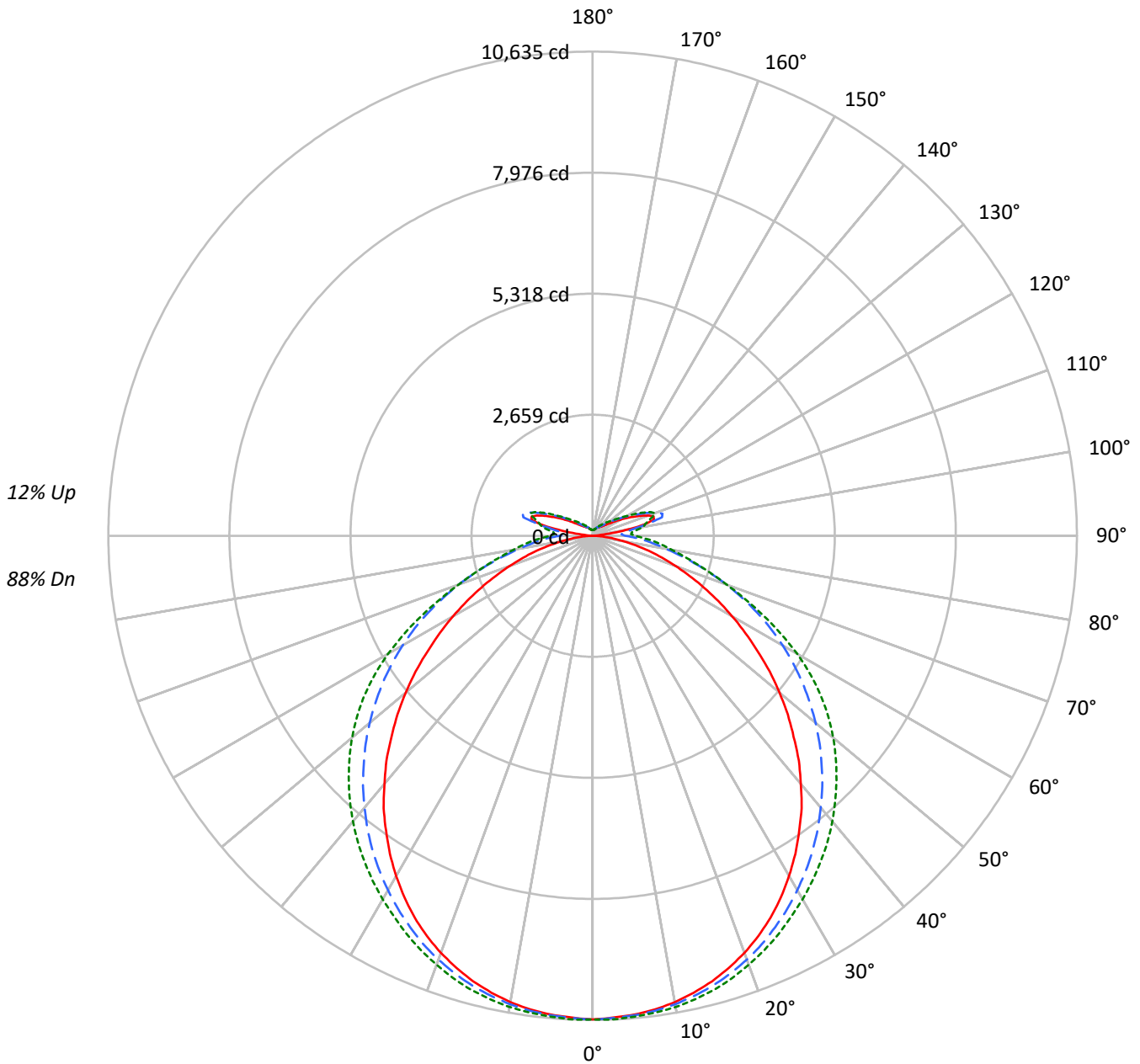
Lumens per Lamp: N/A
Luminaire Lumens: 35130.4 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 240.8
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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	105	100	96	92	101	97	93	89	90	87	84	84	82	80	79	77	75	72																			
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																			
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	49	45	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29																			
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16802	16802	16802
5°	16624	16643	16765
10°	16438	16496	16748
15°	16185	16321	16704
20°	15871	16106	16608
25°	15475	15838	16512
30°	14955	15547	16420
35°	14341	15238	16357
40°	13618	14881	16306
45°	12779	14493	16225
50°	11869	14100	16119
55°	10770	13620	15870
60°	9646	13054	15244
65°	8426	12331	14117
70°	7111	11410	12912
75°	5774	10345	12279
80°	4146	9575	12863
85°	2338	9952	16126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1006.7	2.9
10°-20°	2888.1	8.2
20°-30°	4367.8	12.4
30°-40°	5243.6	14.9
40°-50°	5415.8	15.4
50°-60°	4872.5	13.9
60°-70°	3670.4	10.4
70°-80°	2216.3	6.3
80°-90°	1091.1	3.1
90°-100°	712.3	2.0
100°-110°	1420.0	4.0
110°-120°	1112.6	3.2
120°-130°	540.7	1.5
130°-140°	275.5	0.8
140°-150°	156.6	0.4
150°-160°	87.1	0.2
160°-170°	41.0	0.1
170°-180°	12.5	0.0
0°-30°	8262.7	23.5
0°-40°	13506.2	38.4
0°-60°	23794.5	67.7
0°-90°	30772.3	87.6
90°-120°	3244.8	9.2
90°-150°	4217.5	12.0
90°-180°	4358.0	12.4
0°-180°	35130.4	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°	7	319	719	899	934	22
95°	71	300	648	825	863	226
105°	1393	1478	1576	1334	1256	1325
115°	979	1005	1130	1196	1197	990
125°	493	517	606	645	643	463
135°	297	309	348	390	401	235
145°	229	231	238	262	270	145
155°	190	195	195	195	197	85
165°	140	142	143	144	145	40
175°	128	128	129	129	130	12
180°	127	127	127	127	127	



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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°	10593.3	10619.2	10603.6	10637.5	10634.9
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°	10278.5	10322.8	10348.8	10424.2	10426.8
15°	10130.4	10179.8	10226.6	10312.4	10322.8
17.5°	9951.0	10013.3	10078.4	10177.2	10190.1
20°	9748.1	9818.4	9906.8	10010.7	10026.4
22.5°	9514.1	9597.4	9711.7	9833.9	9852.2
25°	9251.5	9352.9	9485.5	9633.8	9657.1
27.5°	8952.5	9069.5	9248.9	9415.4	9436.1
30°	8627.5	8765.3	8988.9	9186.5	9220.3
32.5°	8284.3	8442.8	8718.5	8939.5	8986.3
35°	7909.8	8094.4	8427.2	8682.1	8734.1
37.5°	7540.6	7743.4	8120.4	8411.7	8474.0
40°	7109.0	7361.2	7792.8	8115.2	8190.7
42.5°	6703.4	6976.4	7465.2	7816.2	7889.0
45°	6243.1	6557.7	7106.4	7493.8	7574.4
47.5°	5811.4	6152.1	6760.5	7161.0	7244.2
50°	5356.4	5730.8	6391.3	6809.9	6895.7
52.5°	4901.4	5304.4	6009.1	6443.3	6523.9
55°	4422.9	4880.6	5621.7	6045.4	6118.3
57.5°	3978.3	4461.9	5223.8	5626.8	5671.0
60°	3538.9	4040.8	4818.1	5171.8	5187.4
62.5°	3109.8	3637.6	4402.2	4682.9	4662.2
65°	2699.0	3250.2	3978.3	4176.0	4129.2
67.5°	2303.8	2873.2	3544.1	3671.5	3609.1
70°	1929.3	2506.6	3122.9	3187.8	3130.7
72.5°	1599.2	2158.1	2696.4	2751.0	2709.4
75°	1271.5	1825.4	2303.8	2363.6	2340.2
77.5°	964.7	1502.9	1942.3	2020.3	2025.5
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	1154.4	1313.1	1336.5
87.5°	114.4	504.5	928.2	1071.3	1099.9
90°	7.4	318.6	719.0	899.1	933.8
92.5°	31.1	282.1	638.5	812.2	846.3
95°	70.7	300.0	647.6	824.7	863.0
97.5°	363.7	530.1	753.8	936.7	982.4
100°	762.9	902.0	966.5	1080.3	1119.7
102.5°	1186.3	1306.0	1263.0	1197.3	1187.6
105°	1392.7	1478.3	1575.8	1333.9	1256.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1146.8	1198.9	1316.2	1380.0	1360.7
115°	979.3	1005.3	1129.7	1196.0	1197.2
117.5°	843.2	862.5	974.0	1027.4	1025.0
120°	712.9	733.7	836.7	875.7	878.6
122.5°	594.7	620.8	713.1	753.2	748.9
125°	492.6	517.1	606.4	644.8	643.2
127.5°	423.0	433.7	514.4	556.6	564.4
130°	366.3	376.3	443.7	489.8	495.7
132.5°	327.2	339.7	390.7	435.1	448.2
135°	297.4	309.0	347.7	389.5	400.9
137.5°	273.2	283.9	310.3	351.4	362.7
140°	255.3	263.4	282.1	317.0	327.4
142.5°	241.1	246.7	256.6	288.0	295.8
145°	228.8	230.9	238.1	261.8	270.5
147.5°	217.7	221.4	226.0	237.4	246.1
150°	207.4	212.8	213.9	218.4	227.1
152.5°	198.1	203.5	204.6	203.0	209.1
155°	189.7	195.1	195.3	194.6	197.2
157.5°	156.3	159.1	161.9	162.8	162.8
160°	150.8	152.6	155.4	155.4	156.3
162.5°	145.2	147.0	148.9	149.8	150.8
165°	140.5	142.4	143.3	144.2	145.2
167.5°	136.8	137.7	138.7	139.6	139.6
170°	133.1	134.0	134.9	134.9	135.9
172.5°	130.3	131.2	132.1	132.1	132.1
175°	128.4	128.4	129.3	129.3	130.3
177.5°	126.6	127.5	127.5	127.5	128.4
180°	126.6	126.6	126.6	126.6	126.6



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	1405.7	1483.9	1608.9	1527.7	1378.7
110°	1298.7	1375.7	1494.8	1514.5	1454.0



(END OF REPORT)