

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: P828094

Luminaire Tested: **OHBL-36HE-N-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828094
REPORT IS A COMBINATION OF REPORTS P826314 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-N-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

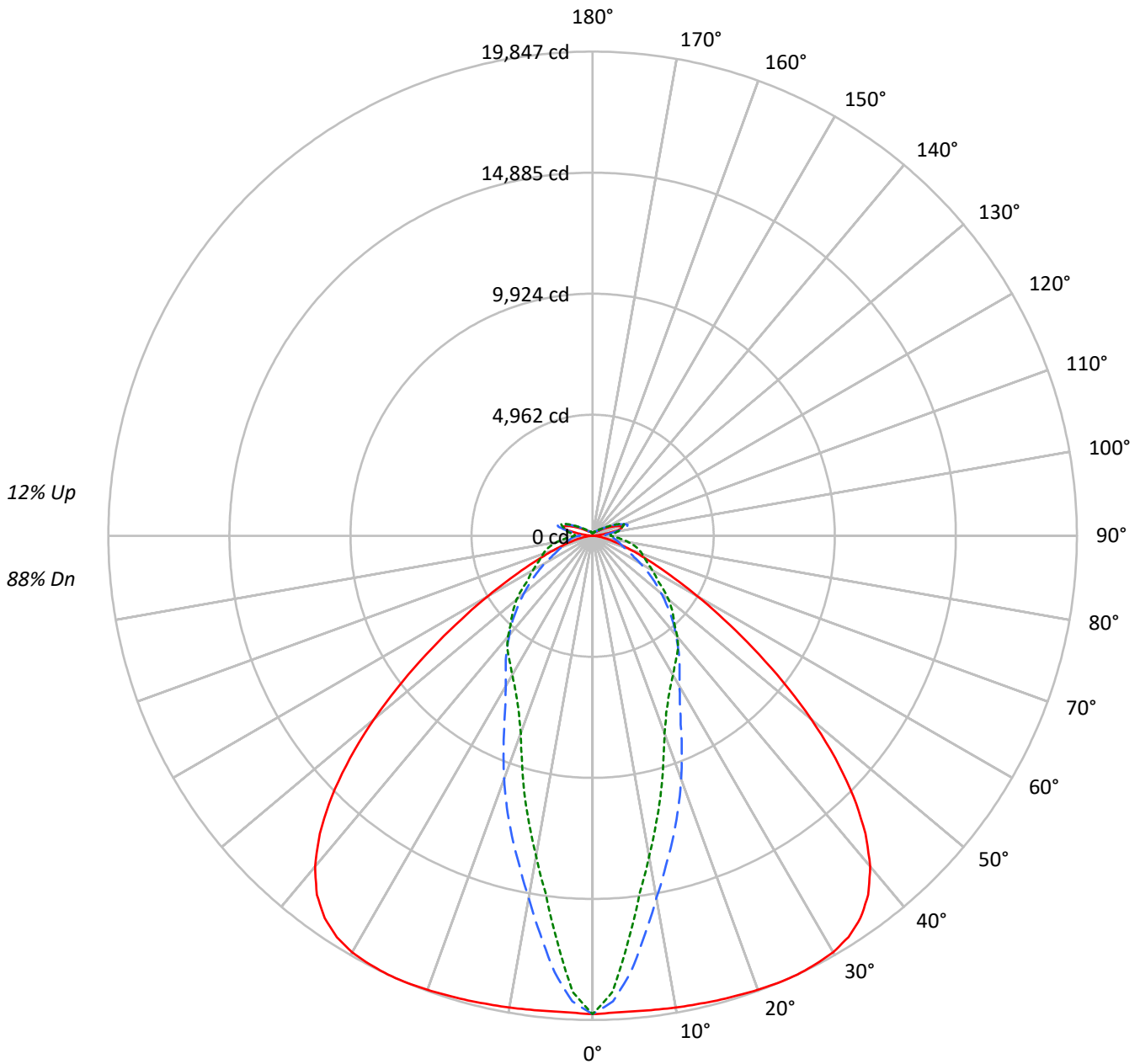
Lumens per Lamp: N/A
Luminaire Lumens: 31922.6 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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	107	102	98	95	103	99	95	92	92	90	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31008	31008	31008
5°	30814	28251	26382
10°	31030	23807	21258
15°	31500	20370	17535
20°	32241	17232	14255
25°	33199	14270	12558
30°	34175	12300	11734
35°	34695	11216	11250
40°	33895	10138	10747
45°	30967	9168	10029
50°	25917	8106	9500
55°	19504	7107	8548
60°	13504	6102	8296
65°	8943	5263	8268
70°	5977	4950	8889
75°	4016	5120	9850
80°	2618	5697	10781
85°	1365	7192	12856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1650.5	5.2
10°-20°	3882.6	12.2
20°-30°	4866.8	15.2
30°-40°	5164.3	16.2
40°-50°	4669.3	14.6
50°-60°	3385.6	10.6
60°-70°	2124.6	6.7
70°-80°	1406.0	4.4
80°-90°	816.4	2.6
90°-100°	621.7	1.9
100°-110°	1309.3	4.1
110°-120°	1026.5	3.2
120°-130°	487.7	1.5
130°-140°	243.2	0.8
140°-150°	140.7	0.4
150°-160°	79.5	0.2
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	10400.0	32.6
0°-40°	15564.2	48.8
0°-60°	23619.1	74.0
0°-90°	27966.2	87.6
90°-120°	2957.5	9.3
90°-150°	3829.1	12.0
90°-180°	3956.0	12.4
0°-180°	31922.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19607	19607	19607	19607	19607	
5°	19568	19066	17946	17114	16683	###
15°	19717	16070	12764	11351	10836	5592
25°	19847	12426	8547	7586	7345	9169
35°	19136	8261	6203	6009	6007	11896
45°	15128	5232	4495	4604	4682	11525
55°	8009	3243	2933	3182	3296	7237
65°	2864	1881	1698	2176	2418	2981
75°	884	1013	1140	1771	1877	986
85°	155	420	834	1161	1066	186
90°	7	216	536	741	748	15
95°	59	226	563	754	793	199
105°	1246	1310	1465	1270	1198	1185
115°	879	904	1062	1120	1118	888
125°	445	467	554	574	564	417
135°	269	278	309	338	339	212
145°	204	210	218	235	234	129
155°	169	177	182	185	181	76
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19606.7	19606.7	19606.7	19606.7	19606.7
2.5°	19565.7	19453.7	19104.8	18892.0	18712.8
5°	19567.5	19065.6	17945.9	17113.7	16682.6
7.5°	19595.5	18479.6	16462.4	15247.6	14773.6
10°	19638.4	17753.7	15077.8	13782.8	13340.5
12.5°	19670.2	16936.3	13859.2	12528.8	12043.6
15°	19716.8	16070.5	12763.8	11351.2	10836.2
17.5°	19759.8	15255.1	11681.5	10205.5	9632.6
20°	19802.7	14376.2	10599.2	9078.4	8606.2
22.5°	19843.7	13448.7	9543.0	8203.2	7880.3
25°	19847.4	12426.1	8546.6	7585.5	7344.8
27.5°	19798.9	11366.2	7738.6	7068.7	6919.3
30°	19714.9	10338.0	7111.6	6695.4	6589.1
32.5°	19505.9	9289.2	6626.4	6335.2	6273.7
35°	19136.4	8261.1	6202.8	6008.8	6006.8
37.5°	18554.2	7348.6	5743.8	5710.2	5751.2
40°	17694.0	6549.8	5308.9	5398.5	5398.5
42.5°	16546.3	5855.7	4915.2	5006.7	4982.4
45°	15128.2	5232.4	4495.3	4603.6	4681.9
47.5°	13484.2	4683.8	4066.2	4275.2	4383.4
50°	11696.5	4161.3	3674.3	3941.1	4064.3
52.5°	9822.9	3678.0	3291.8	3597.8	3696.7
55°	8009.2	3243.2	2933.4	3181.7	3295.5
57.5°	6367.0	2828.9	2582.7	2817.8	3052.9
60°	4954.4	2472.5	2252.3	2588.2	2823.3
62.5°	3784.3	2155.3	1942.6	2373.7	2608.8
65°	2864.4	1881.0	1698.1	2175.8	2418.4
67.5°	2159.0	1644.0	1507.8	2032.2	2269.2
70°	1621.6	1414.5	1354.8	1942.6	2155.3
72.5°	1198.0	1203.6	1233.5	1864.2	2026.6
75°	884.5	1013.3	1140.2	1770.9	1877.2
77.5°	632.6	839.8	1056.2	1658.9	1696.2
80°	438.5	684.8	968.5	1511.5	1479.8
82.5°	274.3	548.6	890.1	1349.2	1261.4
85°	154.9	419.8	834.2	1160.7	1065.5
87.5°	69.1	313.5	729.7	905.0	845.3
90°	6.7	216.2	535.8	741.1	747.6
92.5°	24.6	195.6	510.2	703.2	726.9
95°	59.2	226.5	563.0	753.5	792.9
97.5°	321.0	443.2	690.2	884.9	927.3
100°	680.3	783.7	900.1	1031.2	1066.5
102.5°	1061.4	1152.1	1177.8	1144.8	1134.7
105°	1245.8	1310.4	1464.8	1269.7	1197.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1027.0	1074.2	1234.9	1293.2	1275.8
115°	878.8	904.5	1062.3	1120.4	1117.7
117.5°	756.6	776.2	915.3	958.7	951.4
120°	639.9	662.3	782.6	810.1	803.4
122.5°	534.1	560.7	659.8	683.2	670.5
125°	444.9	467.3	553.8	574.3	564.2
127.5°	383.0	391.8	465.0	487.0	485.1
130°	332.2	342.6	396.6	424.3	422.7
132.5°	295.3	305.8	347.7	376.2	378.8
135°	268.7	278.2	309.2	337.8	338.6
137.5°	247.0	257.6	277.5	305.9	306.8
140°	228.7	237.4	253.6	279.3	279.3
142.5°	215.5	222.4	234.0	255.2	255.2
145°	204.1	210.1	218.0	235.4	234.4
147.5°	194.1	201.1	207.2	217.3	216.2
150°	184.9	193.0	196.3	203.6	202.6
152.5°	176.6	184.7	188.0	192.6	191.5
155°	169.1	177.2	181.5	185.1	181.3
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1257.4	1321.5	1498.7	1437.6	1305.7
110°	1163.5	1226.6	1397.8	1419.2	1366.5



(END OF REPORT)