

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: P826593

Luminaire Tested: **OHBL-36HE-N-UNV-L830-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826593
REPORT IS A COMBINATION OF REPORTS P826170 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-N-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

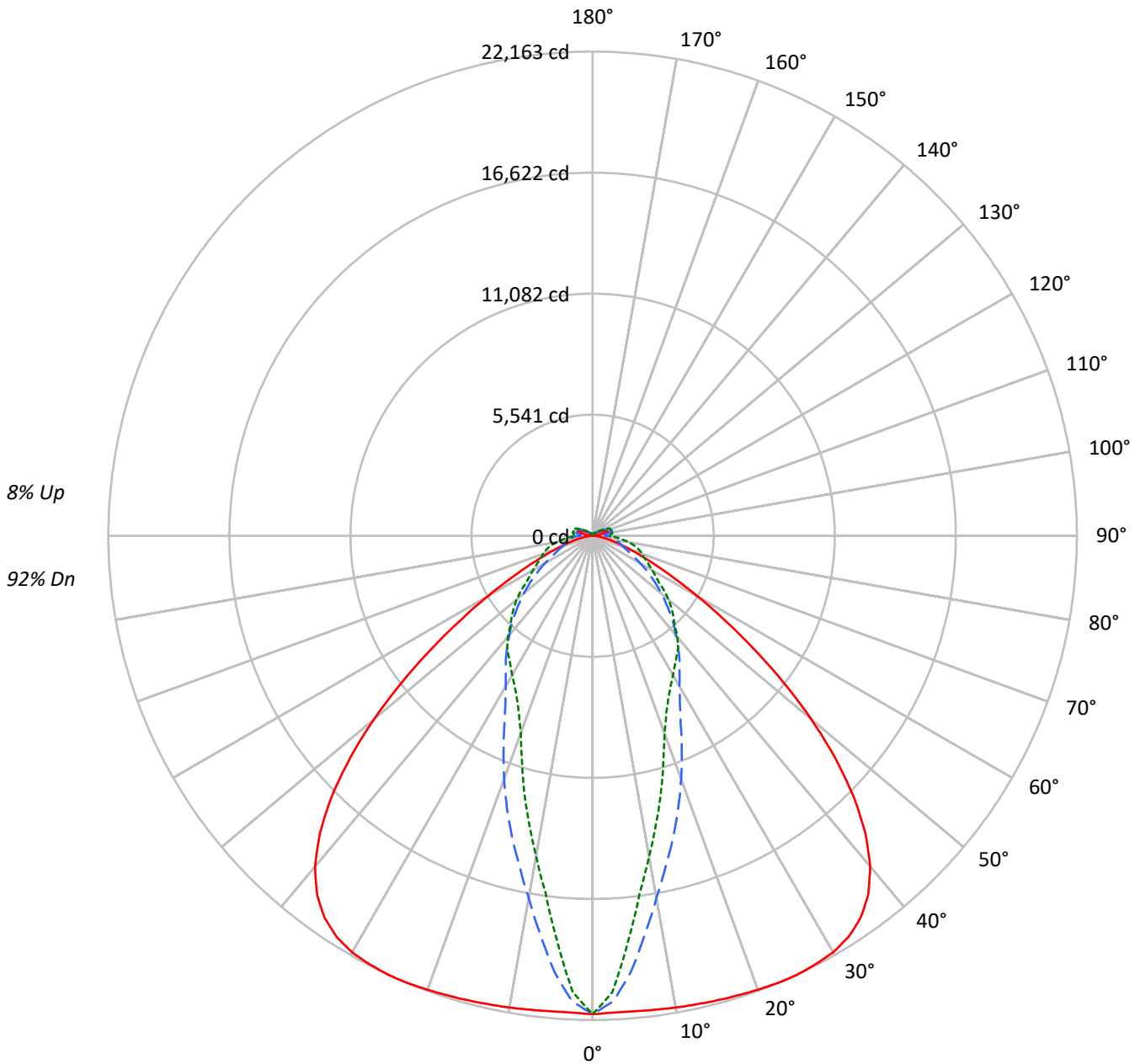
Lumens per Lamp: N/A
Luminaire Lumens: 33979.1 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	95	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	40	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34625	34625	34625
5°	34409	31546	29460
10°	34650	26585	23738
15°	35175	22747	19580
20°	36002	19242	15918
25°	37072	15935	14023
30°	38162	13735	13103
35°	38743	12525	12562
40°	37849	11321	12001
45°	34580	10237	11199
50°	28941	9052	10609
55°	21779	7936	9546
60°	15080	6814	9264
65°	9986	5877	9233
70°	6675	5527	9927
75°	4485	5717	10999
80°	2924	6362	12039
85°	1525	8030	14356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1843.0	5.4
10°-20°	4335.6	12.8
20°-30°	5434.6	16.0
30°-40°	5766.8	17.0
40°-50°	5214.1	15.3
50°-60°	3780.6	11.1
60°-70°	2372.5	7.0
70°-80°	1570.0	4.6
80°-90°	908.7	2.7
90°-100°	597.5	1.8
100°-110°	855.8	2.5
110°-120°	662.0	1.9
120°-130°	318.7	0.9
130°-140°	155.6	0.5
140°-150°	88.9	0.3
150°-160°	48.5	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	11613.3	34.2
0°-40°	17380.1	51.1
0°-60°	26374.7	77.6
0°-90°	31225.9	91.9
90°-120°	2115.3	6.2
90°-150°	2678.6	7.9
90°-180°	2753.0	8.1
0°-180°	33979.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21894	21894	21894	21894	21894	
5°	21850	21290	20040	19110	18629	###
15°	22017	17945	14253	12676	12100	6244
25°	22163	13876	9544	8470	8202	10239
35°	21369	9225	6926	6710	6708	13284
45°	16893	5843	5020	5141	5228	12869
55°	8944	3622	3276	3553	3680	8081
65°	3199	2100	1896	2430	2701	3328
75°	988	1132	1273	1978	2096	1101
85°	173	469	932	1296	1190	207
90°	4	219	571	802	813	14
95°	44	214	595	801	853	119
105°	706	775	928	869	850	671
115°	500	548	715	768	774	504
125°	258	277	369	399	396	241
135°	159	166	197	228	229	125
145°	126	129	136	154	152	79
155°	105	113	116	119	115	45
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21894.1	21894.1	21894.1	21894.1	21894.1
2.5°	21848.3	21723.3	21333.6	21096.1	20896.0
5°	21850.4	21289.9	20039.6	19110.3	18628.9
7.5°	21881.6	20635.5	18383.0	17026.5	16497.2
10°	21929.6	19824.9	16836.8	15390.7	14896.9
12.5°	21965.0	18912.2	15476.2	13990.4	13448.7
15°	22017.1	17945.4	14252.9	12675.6	12100.5
17.5°	22065.1	17034.8	13044.3	11396.1	10756.4
20°	22113.0	16053.4	11835.8	10137.6	9610.3
22.5°	22158.8	15017.7	10656.4	9160.2	8799.7
25°	22162.9	13875.8	9543.7	8470.5	8201.7
27.5°	22108.8	12692.2	8641.4	7893.3	7726.6
30°	22015.0	11544.1	7941.3	7476.5	7357.8
32.5°	21781.6	10373.0	7399.5	7074.4	7005.6
35°	21369.0	9224.9	6926.4	6709.8	6707.6
37.5°	20718.9	8205.9	6413.9	6376.4	6422.1
40°	19758.3	7314.0	5928.3	6028.3	6028.3
42.5°	18476.7	6538.8	5488.6	5590.8	5563.7
45°	16893.1	5842.9	5019.8	5140.7	5228.1
47.5°	15057.3	5230.3	4540.6	4773.9	4894.8
50°	13061.1	4646.8	4102.9	4400.9	4538.4
52.5°	10968.9	4107.1	3675.8	4017.5	4127.9
55°	8943.6	3621.6	3275.6	3552.9	3680.0
57.5°	7109.8	3159.0	2884.0	3146.5	3409.1
60°	5532.4	2761.0	2515.1	2890.2	3152.7
62.5°	4225.8	2406.8	2169.2	2650.6	2913.1
65°	3198.6	2100.4	1896.2	2429.7	2700.6
67.5°	2410.9	1835.8	1683.7	2269.3	2533.9
70°	1810.8	1579.5	1512.8	2169.2	2406.8
72.5°	1337.8	1344.0	1377.4	2081.7	2263.0
75°	987.7	1131.5	1273.2	1977.5	2096.3
77.5°	706.4	937.7	1179.4	1852.5	1894.1
80°	489.7	764.7	1081.5	1687.8	1652.4
82.5°	306.3	612.6	993.9	1506.6	1408.6
85°	173.0	468.8	931.5	1296.1	1189.8
87.5°	77.1	350.1	814.8	1010.6	944.0
90°	3.7	219.1	571.4	802.4	813.4
92.5°	16.3	193.3	549.2	766.7	795.0
95°	43.7	213.8	595.2	801.4	852.9
97.5°	191.9	319.1	667.4	862.5	902.5
100°	386.6	501.0	739.9	897.4	923.9
102.5°	599.9	684.4	799.6	883.7	894.8
105°	706.2	774.7	928.4	868.8	849.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	581.0	634.7	813.2	867.1	854.2
115°	500.3	547.5	715.4	768.2	773.5
117.5°	431.7	465.7	615.5	665.7	668.8
120°	364.7	396.1	524.9	565.9	564.0
122.5°	308.9	333.9	442.7	475.3	471.4
125°	257.7	277.1	369.1	399.4	395.5
127.5°	220.2	232.7	309.9	338.2	334.2
130°	194.1	204.8	260.5	290.5	291.4
132.5°	174.4	181.4	224.4	254.5	256.4
135°	158.6	165.5	197.3	228.3	229.2
137.5°	146.5	155.5	175.9	204.8	205.7
140°	136.2	143.2	158.5	185.4	186.3
142.5°	129.9	134.8	145.9	167.7	168.6
145°	125.5	129.4	136.4	154.0	152.0
147.5°	119.0	125.0	129.0	141.3	139.1
150°	113.4	121.5	123.4	130.6	129.4
152.5°	109.7	116.9	118.7	123.9	121.7
155°	105.1	113.2	116.1	119.2	115.0
157.5°	77.2	78.2	79.1	80.0	80.0
160°	74.4	74.4	75.4	76.3	76.3
162.5°	71.7	71.7	72.6	73.5	73.5
165°	68.9	69.8	69.8	70.7	70.7
167.5°	67.0	67.0	67.9	67.9	68.9
170°	65.1	65.1	66.1	66.1	66.1
172.5°	63.3	64.2	64.2	64.2	64.2
175°	62.3	62.3	63.3	63.3	63.3
177.5°	61.4	62.3	62.3	62.3	62.3
180°	62.3	62.3	62.3	62.3	62.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	712.7	781.5	958.8	909.2	842.9
110°	656.2	722.0	906.6	927.9	878.3



(END OF REPORT)