

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: P828391

Luminaire Tested: **OHBL-36HE-MFL-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828391
REPORT IS A COMBINATION OF REPORTS P826169 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-MFL-UNV-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

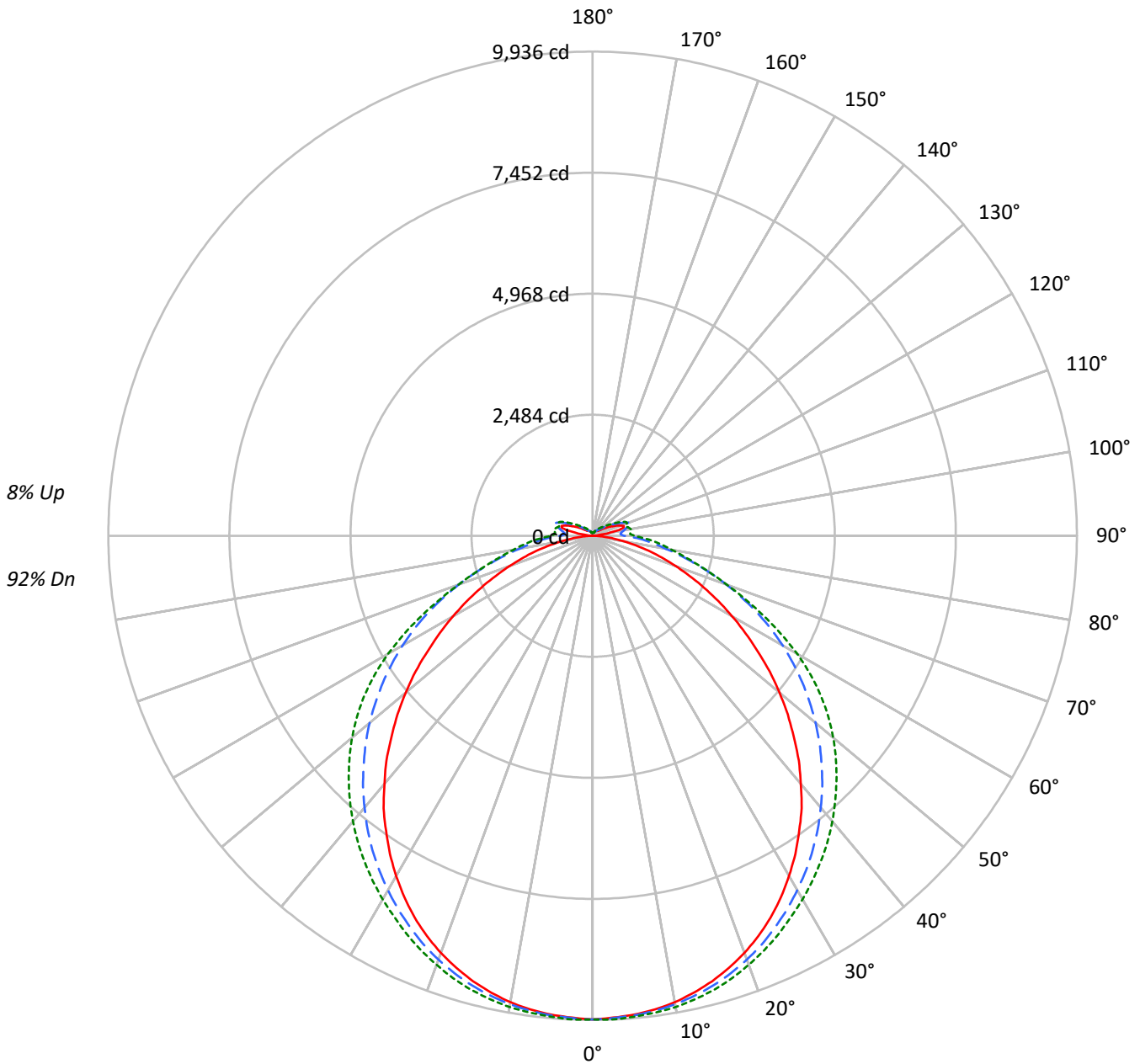
Lumens per Lamp: N/A
Luminaire Lumens: 31265.1 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15699	15699	15699
5°	15533	15550	15664
10°	15359	15413	15648
15°	15122	15249	15607
20°	14829	15048	15517
25°	14459	14798	15427
30°	13973	14526	15341
35°	13399	14238	15283
40°	12724	13904	15235
45°	11940	13541	15159
50°	11089	13175	15060
55°	10063	12726	14828
60°	9013	12197	14242
65°	7873	11521	13190
70°	6644	10661	12064
75°	5395	9666	11473
80°	3873	8946	12019
85°	2184	9298	15066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.6	3.0
10°-20°	2698.5	8.6
20°-30°	4081.0	13.1
30°-40°	4899.2	15.7
40°-50°	5060.1	16.2
50°-60°	4552.5	14.6
60°-70°	3429.3	11.0
70°-80°	2070.8	6.6
80°-90°	1016.7	3.3
90°-100°	575.2	1.8
100°-110°	760.3	2.4
110°-120°	587.0	1.9
120°-130°	294.1	0.9
130°-140°	149.1	0.5
140°-150°	82.5	0.3
150°-160°	43.8	0.1
160°-170°	18.7	0.1
170°-180°	5.7	0.0
0°-30°	7720.0	24.7
0°-40°	12619.3	40.4
0°-60°	22231.9	71.1
0°-90°	28748.7	92.0
90°-120°	1922.5	6.1
90°-150°	2448.3	7.8
90°-180°	2516.0	8.0
0°-180°	31265.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9927	9927	9927	9927	9927	
5°	9864	9890	9878	9917	9905	937
15°	9465	9511	9555	9635	9645	2669
25°	8644	8739	8863	9001	9023	3976
35°	7390	7563	7874	8112	8160	4620
45°	5833	6127	6640	7002	7077	4503
55°	4132	4560	5252	5648	5716	3705
65°	2522	3037	3717	3902	3858	2505
75°	1188	1706	2152	2208	2186	1267
85°	248	654	1079	1227	1249	286
90°	4	277	647	817	852	18
95°	45	244	574	733	776	114
105°	661	738	812	733	718	628
115°	466	507	616	666	675	470
125°	237	254	334	376	382	222
135°	146	153	187	225	235	115
145°	118	118	122	143	150	74
155°	99	103	102	100	102	43
165°	64	65	65	66	66	18
175°	58	58	59	59	59	6
180°	58	58	58	58	58	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9926.7	9926.7	9926.7	9926.7	9926.7
2.5°	9897.6	9921.8	9907.2	9938.9	9936.4
5°	9863.5	9890.3	9878.1	9917.0	9904.8
7.5°	9805.2	9834.4	9831.9	9875.7	9870.8
10°	9720.2	9751.8	9761.5	9819.8	9819.8
12.5°	9603.5	9644.9	9669.2	9739.6	9742.0
15°	9465.1	9511.3	9555.0	9635.2	9644.9
17.5°	9297.5	9355.7	9416.5	9508.9	9520.9
20°	9108.0	9173.6	9256.2	9353.3	9367.9
22.5°	8889.3	8967.1	9074.0	9188.1	9205.2
25°	8643.9	8738.7	8862.6	9001.1	9022.9
27.5°	8364.6	8473.9	8641.5	8797.0	8816.4
30°	8060.9	8189.6	8398.6	8583.2	8614.8
32.5°	7740.2	7888.4	8145.9	8352.4	8396.1
35°	7390.4	7562.9	7873.8	8111.9	8160.5
37.5°	7045.4	7234.9	7587.1	7859.3	7917.5
40°	6642.1	6877.7	7281.1	7582.3	7652.8
42.5°	6263.1	6518.2	6974.9	7302.9	7370.9
45°	5833.1	6127.1	6639.7	7001.6	7076.9
47.5°	5429.8	5748.1	6316.5	6690.7	6768.5
50°	5004.6	5354.5	5971.6	6362.7	6442.8
52.5°	4579.5	4956.1	5614.4	6020.1	6095.5
55°	4132.5	4560.1	5252.5	5648.4	5716.5
57.5°	3717.0	4168.9	4880.7	5257.3	5298.6
60°	3306.5	3775.4	4501.7	4832.2	4846.7
62.5°	2905.6	3398.7	4113.1	4375.4	4356.0
65°	2521.7	3036.8	3717.0	3901.7	3858.0
67.5°	2152.5	2684.5	3311.4	3430.4	3372.1
70°	1802.6	2342.0	2917.8	2978.5	2925.1
72.5°	1494.1	2016.4	2519.3	2570.3	2531.5
75°	1188.0	1705.5	2152.5	2208.4	2186.5
77.5°	901.4	1404.2	1814.8	1887.7	1892.5
80°	648.7	1129.7	1520.8	1635.0	1649.6
82.5°	427.6	877.0	1275.5	1421.2	1443.1
85°	247.8	653.6	1078.6	1226.9	1248.7
87.5°	106.9	471.3	867.3	1000.9	1027.7
90°	3.5	276.8	646.6	816.6	852.5
92.5°	18.6	240.1	577.4	741.5	775.1
95°	45.2	243.8	573.7	733.1	775.9
97.5°	184.1	331.0	607.8	757.8	793.5
100°	364.1	493.2	655.2	772.0	796.7
102.5°	561.5	657.7	698.4	750.1	761.8
105°	661.3	737.8	811.5	733.3	718.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	542.9	592.4	701.1	750.3	738.3
115°	465.5	507.1	615.6	666.3	675.1
117.5°	401.8	431.2	530.1	581.7	589.9
120°	339.2	364.7	455.7	501.7	509.7
122.5°	287.0	307.0	391.5	435.1	440.6
125°	236.8	254.5	333.5	376.4	381.9
127.5°	201.4	214.0	285.0	327.9	333.4
130°	177.0	185.5	244.1	286.3	294.5
132.5°	160.5	167.9	212.1	251.8	263.2
135°	145.7	153.1	186.7	224.8	235.4
137.5°	134.4	141.8	164.8	200.5	211.1
140°	127.3	132.2	147.0	178.0	188.5
142.5°	121.8	124.4	131.9	159.5	167.7
145°	118.2	117.5	122.5	142.8	150.2
147.5°	112.1	113.8	115.5	127.0	134.3
150°	106.9	111.0	110.3	113.6	121.8
152.5°	103.4	106.7	106.0	104.4	109.3
155°	99.0	103.2	101.6	100.1	102.5
157.5°	72.2	73.0	73.9	74.8	74.8
160°	69.6	69.6	70.4	71.3	71.3
162.5°	66.9	66.9	67.8	68.7	68.7
165°	64.3	65.2	65.2	66.1	66.1
167.5°	62.6	62.6	63.5	63.5	64.3
170°	60.9	60.9	61.7	61.7	61.7
172.5°	59.1	60.0	60.0	60.0	60.0
175°	58.3	58.3	59.1	59.1	59.1
177.5°	57.4	58.3	58.3	58.3	58.3
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	667.4	737.8	835.5	777.0	713.5
110°	612.6	680.3	785.4	801.2	753.4



(END OF REPORT)