

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: P828408

Luminaire Tested: **OHBL-36SE-NL-UNV-L940-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828408
REPORT IS A COMBINATION OF REPORTS P826321 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-36SE-NL-UNV-L940-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

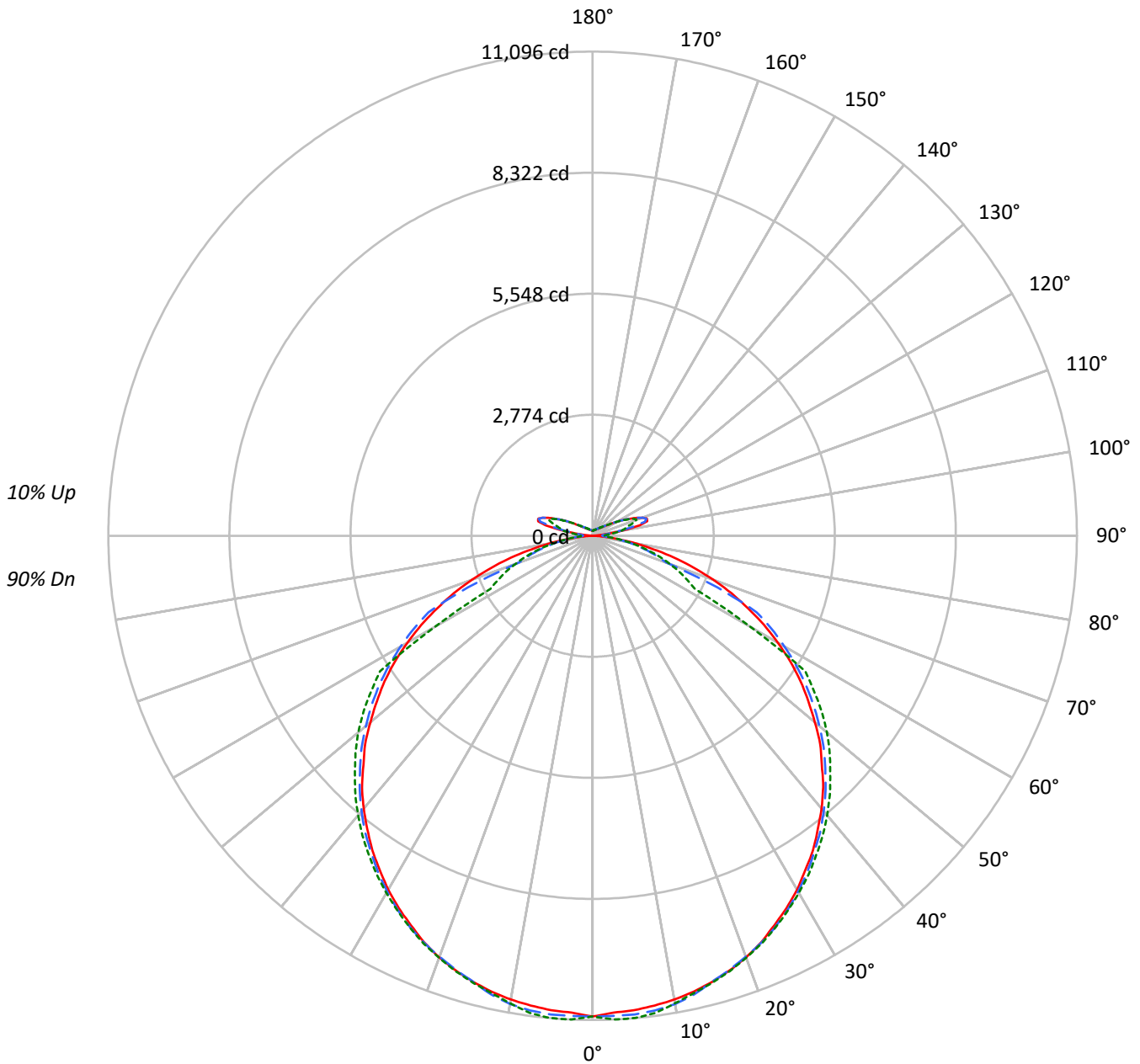
Lumens per Lamp: N/A
Luminaire Lumens: 34041.5 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 239.8
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90																			
1	107	103	98	95	103	99	96	92	93	90	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	60	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	46																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	57	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17421	17421	17421
5°	17241	17393	17572
10°	17161	17317	17391
15°	17072	17058	17239
20°	16960	16919	17154
25°	16750	16817	17075
30°	16573	16636	17000
35°	16358	16420	16934
40°	16097	16218	16883
45°	15730	15931	16779
50°	15338	15608	16712
55°	14862	15198	16428
60°	14143	14589	12691
65°	13107	13805	8453
70°	11770	7108	8082
75°	9802	6437	7535
80°	6921	5405	6598
85°	2809	4365	5709



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1046.5	3.1
10°-20°	2996.4	8.8
20°-30°	4559.3	13.4
30°-40°	5543.5	16.3
40°-50°	5828.7	17.1
50°-60°	5322.3	15.6
60°-70°	3411.9	10.0
70°-80°	1611.7	4.7
80°-90°	453.6	1.3
90°-100°	357.5	1.1
100°-110°	1115.8	3.3
110°-120°	905.6	2.7
120°-130°	424.4	1.2
130°-140°	214.9	0.6
140°-150°	125.6	0.4
150°-160°	73.7	0.2
160°-170°	38.3	0.1
170°-180°	11.7	0.0
0°-30°	8602.2	25.3
0°-40°	14145.7	41.6
0°-60°	25296.8	74.3
0°-90°	30774.0	90.4
90°-120°	2379.0	7.0
90°-150°	3143.8	9.2
90°-180°	3267.0	9.6
0°-180°	34041.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11015	11015	11015	11015	11015	
5°	10913	10955	11012	11072	11095	###
15°	10582	10662	10580	10596	10604	2988
25°	9848	9863	9898	9914	9906	4544
35°	8802	8750	8850	8959	8934	5501
45°	7424	7410	7536	7714	7700	5738
55°	5818	5774	5969	6168	6183	5189
65°	3920	3920	4148	2379	2387	3886
75°	1937	1974	1282	1349	1355	2042
85°	253	321	400	433	410	374
90°	7	151	233	273	270	16
95°	60	164	271	355	369	204
105°	1294	1303	1236	927	838	1230
115°	905	897	910	910	890	912
125°	441	456	467	459	450	415
135°	261	267	274	276	277	206
145°	190	194	198	201	202	121
155°	153	156	158	160	160	72
165°	131	133	134	135	136	38
175°	120	120	121	121	122	12
180°	118	118	118	118	118	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11015.4	11015.4	11015.4	11015.4	<i>11015.4</i>
2.5°	<i>10938.0</i>	<i>10974.9</i>	<i>11015.4</i>	<i>11067.6</i>	<i>11096.5</i>
5°	10912.9	10955.4	11011.5	11071.5	<i>11094.6</i>
7.5°	10858.8	10918.6	10972.8	11015.4	<i>11028.9</i>
10°	10791.1	10862.8	10893.6	10889.8	<i>10880.1</i>
12.5°	10700.3	10775.8	10766.2	10721.6	<i>10729.3</i>
15°	10582.4	10661.6	10580.5	10595.9	<i>10603.7</i>
17.5°	10443.2	10520.6	10425.9	10456.7	<i>10458.8</i>
20°	10280.9	10338.9	10265.4	10290.6	<i>10290.6</i>
22.5°	10085.7	10126.2	10095.4	10112.8	<i>10116.7</i>
25°	9847.9	9863.3	9898.1	9913.7	<i>9905.8</i>
27.5°	9620.0	9600.6	9668.3	9704.9	<i>9685.4</i>
30°	9366.6	9335.7	9415.0	9474.9	<i>9451.7</i>
32.5°	9076.7	9057.4	9148.3	9219.7	<i>9206.2</i>
35°	8802.3	8750.1	8850.5	8958.8	<i>8933.6</i>
37.5°	8477.5	8446.6	8560.6	8674.8	<i>8661.2</i>
40°	8160.5	8108.4	8237.9	8373.1	<i>8359.6</i>
42.5°	7820.4	7758.4	7899.6	8062.1	<i>8046.5</i>
45°	7424.0	7410.5	7536.2	7714.0	<i>7700.5</i>
47.5°	7072.5	7004.8	7180.5	7352.6	<i>7368.2</i>
50°	6647.0	6622.0	6782.4	6991.2	<i>7006.6</i>
52.5°	6231.6	6214.2	6382.2	6593.0	<i>6620.0</i>
55°	5817.8	5773.5	5968.6	6167.8	<i>6183.3</i>
57.5°	5375.4	5328.9	5528.1	5744.6	<i>5777.3</i>
60°	4901.7	4857.2	5075.6	5276.7	<i>4196.3</i>
62.5°	4428.2	4397.2	4625.4	3276.2	<i>2640.4</i>
65°	3919.8	3919.8	4147.8	2379.3	<i>2387.1</i>
67.5°	3444.5	3413.5	3092.7	2137.6	<i>2137.6</i>
70°	2934.1	2945.8	1782.0	1873.0	<i>1874.9</i>
72.5°	2421.8	2464.4	1538.7	1612.0	<i>1615.8</i>
75°	1936.7	1973.6	1281.5	1349.2	<i>1354.9</i>
77.5°	1422.7	1094.0	1030.1	1082.5	<i>1084.4</i>
80°	999.3	690.1	788.7	838.8	<i>833.1</i>
82.5°	583.7	483.2	577.9	614.7	<i>612.7</i>
85°	253.1	320.9	400.0	433.0	<i>409.7</i>
87.5°	81.0	199.1	249.3	268.7	<i>266.7</i>
90°	7.0	150.8	232.6	273.2	<i>270.4</i>
92.5°	21.7	137.1	221.6	276.8	<i>283.9</i>
95°	59.6	163.9	271.2	354.6	<i>368.6</i>
97.5°	329.1	390.0	394.3	497.8	<i>522.5</i>
100°	702.1	749.2	615.6	656.5	<i>675.9</i>
102.5°	1103.4	1135.6	913.0	786.9	<i>762.9</i>
105°	1293.8	1302.9	1235.9	927.3	<i>838.5</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1063.7	1070.2	1066.4	1057.2	1015.6
115°	905.2	896.8	909.5	909.9	889.5
117.5°	766.0	757.3	764.2	760.8	751.2
120°	644.3	644.3	653.0	640.8	633.8
122.5°	533.8	546.0	552.1	543.4	532.1
125°	440.8	456.5	466.9	459.1	450.4
127.5°	378.2	383.4	395.6	391.2	391.2
130°	325.2	332.1	341.7	343.4	341.7
132.5°	288.7	295.6	304.3	306.9	309.5
135°	260.8	266.9	273.9	276.5	277.4
137.5°	238.2	243.4	248.7	253.0	253.9
140°	219.1	224.3	229.5	233.0	233.0
142.5°	203.5	208.7	213.0	215.6	215.6
145°	189.5	193.9	198.2	200.8	201.7
147.5°	179.1	182.6	186.9	187.8	188.7
150°	169.5	172.2	175.6	177.4	178.2
152.5°	160.8	163.5	166.9	167.8	168.7
155°	153.0	155.6	158.2	160.0	160.0
157.5°	146.1	148.7	151.3	152.2	152.2
160°	140.8	142.6	145.2	145.2	146.1
162.5°	135.6	137.4	139.1	140.0	140.8
165°	131.3	133.0	133.9	134.8	135.6
167.5°	127.8	128.7	129.5	130.4	130.4
170°	124.3	125.2	126.1	126.1	126.9
172.5°	121.7	122.6	123.5	123.5	123.5
175°	120.0	120.0	120.9	120.9	121.7
177.5°	118.2	119.1	119.1	119.1	120.0
180°	118.2	118.2	118.2	118.2	118.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1306.0	1318.2	1294.7	1133.8	970.8
110°	1208.0	1225.0	1210.8	1153.7	1071.2



(END OF REPORT)