

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: P828005

Luminaire Tested: **OHBL-18HE-NL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828005
REPORT IS A COMBINATION OF REPORTS P826231 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18HE-NL-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

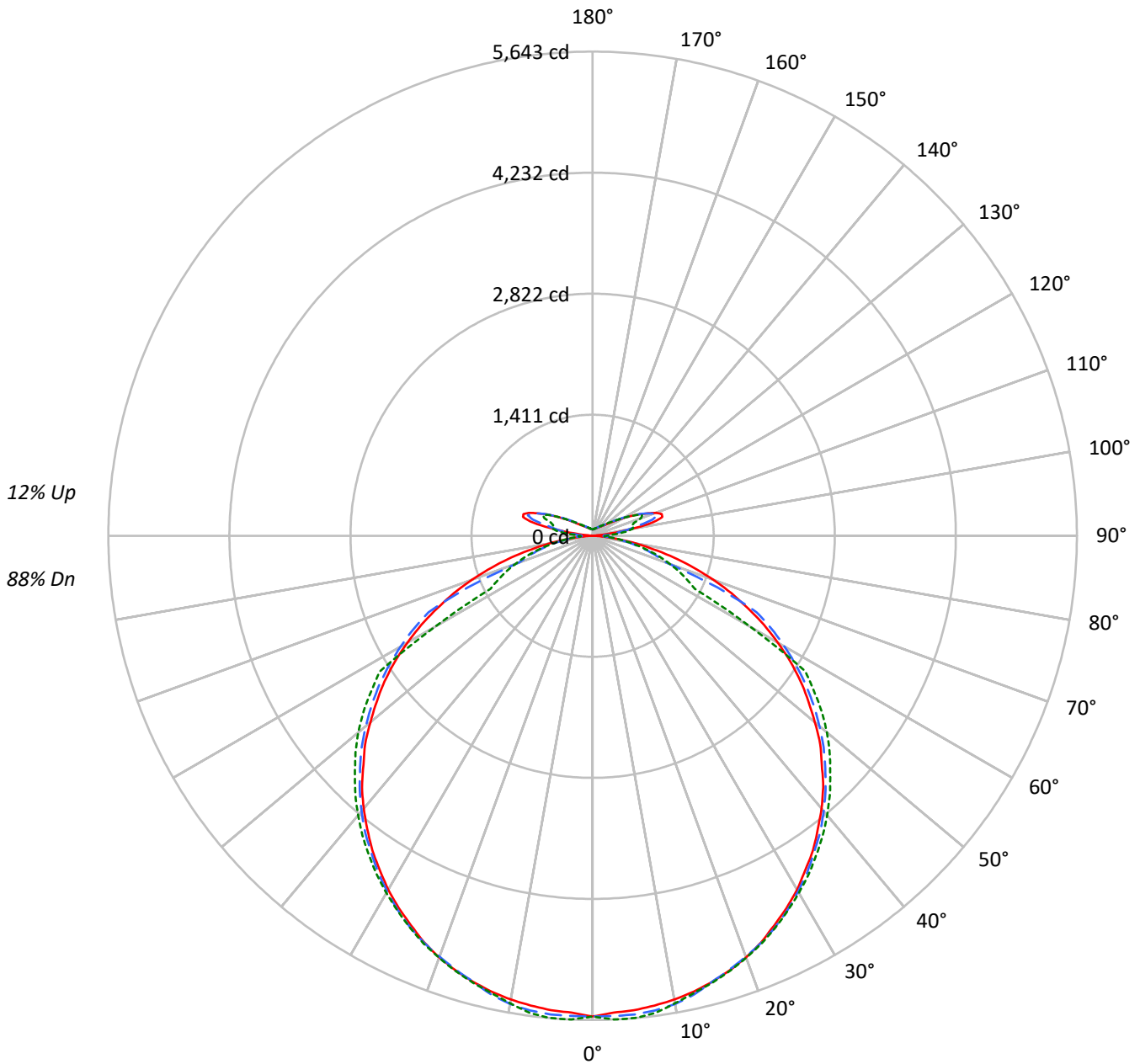
Lumens per Lamp: N/A
Luminaire Lumens: 17745.3 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 120.4
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	105	105	105	98	98	98	91	91	91	88																			
1	107	102	98	94	103	99	95	92	92	89	87	86	84	82	81	79	78	75																			
2	97	89	83	77	93	86	81	75	81	76	72	76	72	69	71	68	65	63																			
3	89	79	71	64	85	76	69	63	71	65	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	56	52	48	45																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	39																			
6	69	56	47	41	66	54	46	40	51	44	39	49	42	38	46	41	37	34																			
7	64	51	42	36	61	49	41	36	47	40	34	44	38	33	42	37	32	30																			
8	59	46	38	32	57	45	37	32	43	36	31	40	34	30	38	33	29	27																			
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24																			
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9568	9568	9568
5°	9466	9550	9651
10°	9418	9506	9552
15°	9366	9361	9468
20°	9300	9282	9422
25°	9182	9224	9378
30°	9080	9121	9337
35°	8957	9000	9301
40°	8810	8885	9273
45°	8604	8724	9216
50°	8383	8543	9179
55°	8115	8313	9023
60°	7714	7973	6971
65°	7138	7537	4643
70°	6397	3875	4439
75°	5310	3502	4139
80°	3730	2930	3624
85°	1497	2348	3135



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.2	3.0
10°-20°	1523.9	8.6
20°-30°	2318.7	13.1
30°-40°	2819.2	15.9
40°-50°	2964.3	16.7
50°-60°	2706.7	15.3
60°-70°	1735.1	9.8
70°-80°	819.7	4.6
80°-90°	232.5	1.3
90°-100°	253.4	1.4
100°-110°	687.2	3.9
110°-120°	580.0	3.3
120°-130°	276.0	1.6
130°-140°	138.1	0.8
140°-150°	80.1	0.5
150°-160°	46.7	0.3
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	4374.8	24.7
0°-40°	7194.0	40.5
0°-60°	12865.0	72.5
0°-90°	15652.3	88.2
90°-120°	1520.6	8.6
90°-150°	2014.8	11.4
90°-180°	2093.0	11.8
0°-180°	17745.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5602	5602	5602	5602	5602	
5°	5550	5572	5600	5631	5642	528
15°	5382	5422	5381	5389	5393	1519
25°	5008	5016	5034	5042	5038	2311
35°	4476	4450	4501	4556	4543	2798
45°	3776	3769	3833	3923	3916	2918
55°	2959	2936	3035	3137	3145	2639
65°	1994	1994	2109	1210	1214	1976
75°	985	1004	652	686	689	1038
85°	129	163	204	220	208	190
90°	4	83	130	159	163	9
95°	47	121	208	278	302	139
105°	841	838	719	517	475	798
115°	582	589	592	588	577	585
125°	282	297	302	302	299	264
135°	167	170	176	178	179	132
145°	121	124	127	128	128	77
155°	97	98	100	101	101	45
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5602.0	5602.0	5602.0	5602.0	5602.0
2.5°	5562.7	5581.4	5602.0	5628.6	5643.2
5°	5549.9	5571.5	5600.1	5630.6	5642.3
7.5°	5522.4	5552.8	5580.4	5602.0	5608.9
10°	5488.0	5524.4	5540.1	5538.2	5533.2
12.5°	5441.8	5480.2	5475.2	5452.6	5456.5
15°	5381.8	5422.1	5380.9	5388.7	5392.7
17.5°	5311.1	5350.4	5302.2	5317.9	5318.9
20°	5228.5	5258.0	5220.6	5233.4	5233.4
22.5°	5129.3	5149.8	5134.2	5143.0	5144.9
25°	5008.3	5016.1	5033.8	5041.8	5037.8
27.5°	4892.3	4882.5	4916.9	4935.6	4925.7
30°	4763.5	4747.8	4788.1	4818.6	4806.8
32.5°	4616.1	4606.2	4652.5	4688.8	4681.9
35°	4476.5	4450.0	4501.1	4556.1	4543.3
37.5°	4311.3	4295.7	4353.6	4411.7	4404.8
40°	4150.2	4123.6	4189.5	4258.2	4251.4
42.5°	3977.2	3945.7	4017.4	4100.1	4092.2
45°	3775.6	3768.8	3832.6	3923.1	3916.2
47.5°	3596.8	3562.3	3651.8	3739.3	3747.2
50°	3380.4	3367.8	3449.3	3555.5	3563.2
52.5°	3169.2	3160.3	3245.8	3352.9	3366.7
55°	2958.8	2936.2	3035.4	3136.7	3144.6
57.5°	2733.8	2710.1	2811.3	2921.5	2938.2
60°	2492.8	2470.3	2581.2	2683.6	2134.1
62.5°	2252.0	2236.2	2352.3	1666.2	1342.8
65°	1993.5	1993.5	2109.4	1210.0	1214.0
67.5°	1751.8	1736.0	1572.8	1087.1	1087.1
70°	1492.2	1498.1	906.2	952.6	953.5
72.5°	1231.7	1253.3	782.5	819.8	821.8
75°	984.9	1003.7	651.7	686.2	689.1
77.5°	723.5	556.3	523.9	550.5	551.5
80°	508.2	350.9	401.1	426.6	423.7
82.5°	296.8	245.8	293.9	312.7	311.6
85°	128.8	163.2	203.5	220.3	208.3
87.5°	41.2	101.2	126.8	136.7	135.6
90°	4.2	83.4	129.6	158.8	162.8
92.5°	14.2	80.7	138.7	183.3	195.1
95°	47.1	121.0	208.2	277.5	302.5
97.5°	226.2	263.1	307.0	384.6	414.1
100°	462.0	505.0	424.7	465.8	474.3
102.5°	715.8	720.4	533.7	493.1	487.5
105°	840.8	837.5	719.1	516.6	474.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	679.2	691.2	680.8	658.8	625.1
115°	581.6	589.3	592.3	587.7	576.8
117.5°	493.3	494.2	497.5	496.7	497.5
120°	408.3	417.5	425.0	420.8	415.8
122.5°	342.5	352.5	357.5	355.8	350.8
125°	281.7	296.7	302.5	301.7	299.2
127.5°	238.3	249.2	257.5	258.3	257.5
130°	207.5	214.2	222.5	223.3	224.2
132.5°	184.2	190.0	195.8	199.2	198.3
135°	166.7	170.0	175.8	177.5	179.2
137.5°	152.5	155.0	160.0	162.5	162.5
140°	140.0	143.3	147.5	149.2	150.0
142.5°	129.2	132.5	135.8	137.5	137.5
145°	120.8	124.2	126.7	127.5	128.3
147.5°	113.3	116.7	118.3	120.0	120.0
150°	107.5	109.2	111.7	112.5	113.3
152.5°	101.7	103.3	105.8	106.7	106.7
155°	96.7	98.3	100.0	100.8	100.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	844.1	852.3	791.2	616.3	508.8
110°	780.1	790.5	755.9	687.9	599.2



(END OF REPORT)