

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: P828071

Luminaire Tested: **OHBL-30HE-NL-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828071
REPORT IS A COMBINATION OF REPORTS P826123 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-NL-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

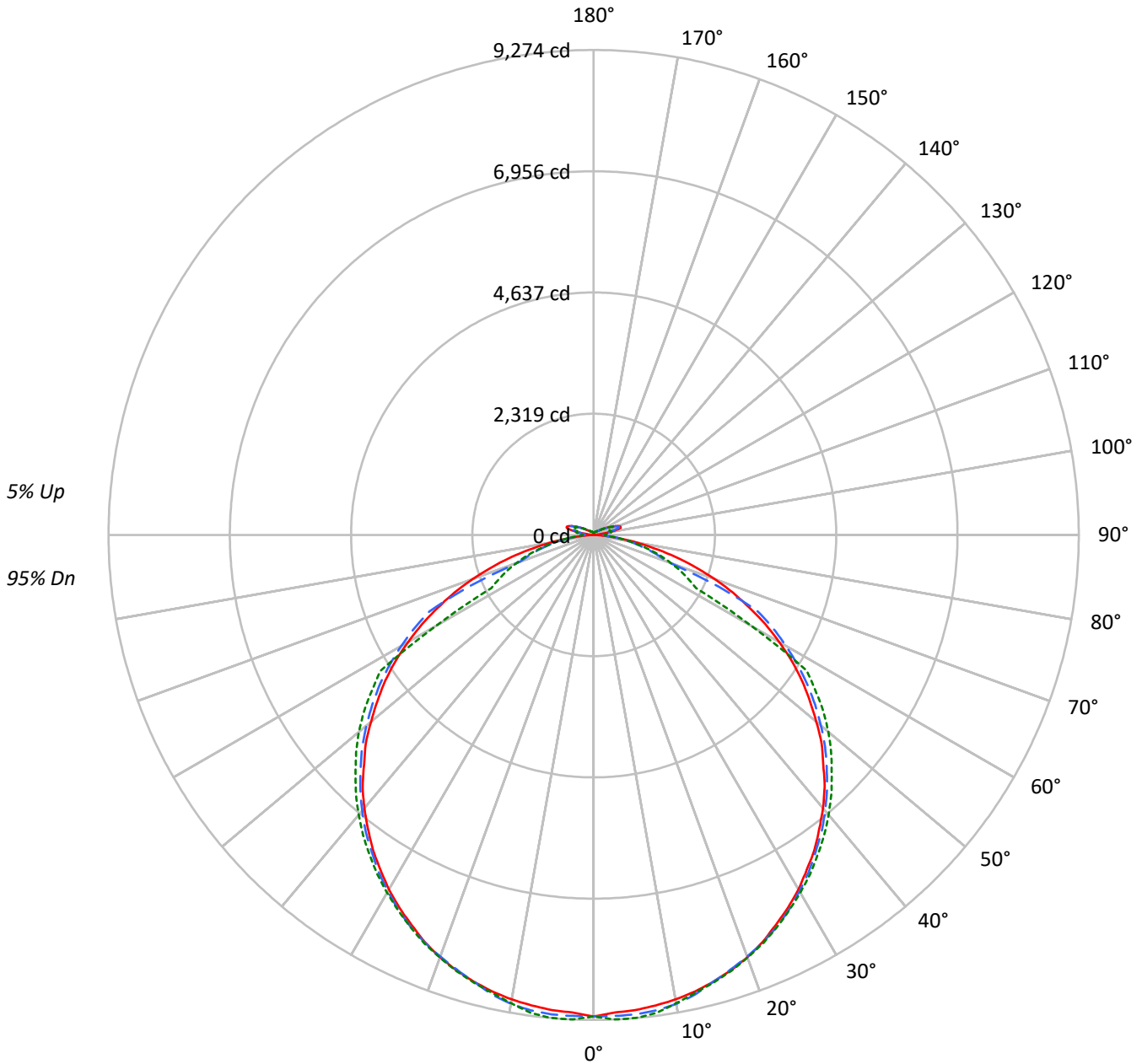
Lumens per Lamp: N/A
Luminaire Lumens: 27115.1 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 174.1
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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95																			
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80																			
2	99	91	84	79	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14560	14560	14560
5°	14410	14537	14687
10°	14343	14473	14536
15°	14269	14257	14408
20°	14175	14141	14337
25°	14000	14056	14271
30°	13852	13905	14209
35°	13672	13724	14153
40°	13454	13555	14112
45°	13148	13315	14024
50°	12820	13046	13968
55°	12422	12703	13731
60°	11821	12193	10608
65°	10955	11538	7066
70°	9838	5940	6755
75°	8192	5380	6298
80°	5784	4518	5514
85°	2348	3649	4771



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.7	3.2
10°-20°	2504.4	9.2
20°-30°	3810.7	14.1
30°-40°	4633.3	17.1
40°-50°	4871.7	18.0
50°-60°	4448.5	16.4
60°-70°	2851.7	10.5
70°-80°	1347.1	5.0
80°-90°	376.7	1.4
90°-100°	220.3	0.8
100°-110°	447.6	1.7
110°-120°	368.8	1.4
120°-130°	173.4	0.6
130°-140°	86.7	0.3
140°-150°	50.3	0.2
150°-160°	29.3	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	7189.9	26.5
0°-40°	11823.2	43.6
0°-60°	21143.3	78.0
0°-90°	25718.8	94.9
90°-120°	1036.7	3.8
90°-150°	1347.1	5.0
90°-180°	1396.0	5.1
0°-180°	27115.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9207	9207	9207	9207	9207	
5°	9121	9157	9204	9254	9273	867
15°	8845	8911	8843	8856	8863	2497
25°	8231	8244	8273	8286	8279	3798
35°	7357	7313	7397	7488	7467	4598
45°	6205	6194	6299	6447	6436	4796
55°	4863	4826	4989	5155	5168	4337
65°	3276	3276	3467	1989	1995	3248
75°	1619	1650	1071	1128	1132	1706
85°	212	268	334	362	342	313
90°	2	109	173	208	209	11
95°	28	107	196	262	281	86
105°	536	538	469	339	312	507
115°	371	375	383	376	359	373
125°	176	186	191	189	188	166
135°	104	108	110	112	112	83
145°	76	78	79	81	81	48
155°	61	62	63	63	64	29
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9206.8	9206.8	9206.8	9206.8	9206.8
2.5°	9142.2	9172.9	9206.8	9250.4	9274.5
5°	9121.1	9156.7	9203.6	9253.7	9273.0
7.5°	9076.0	9125.9	9171.2	9206.8	9218.1
10°	9019.3	9079.2	9105.0	9101.8	9093.8
12.5°	8943.4	9006.5	8998.5	8961.2	8967.7
15°	8844.9	8911.1	8843.3	8856.2	8862.7
17.5°	8728.6	8793.2	8714.1	8739.8	8741.6
20°	8592.9	8641.3	8579.9	8601.0	8601.0
22.5°	8429.8	8463.7	8437.8	8452.3	8455.6
25°	8231.0	8243.8	8272.9	8285.9	8279.4
27.5°	8040.5	8024.3	8080.8	8111.5	8095.2
30°	7828.8	7802.9	7869.1	7919.3	7899.9
32.5°	7586.4	7570.3	7646.2	7705.9	7694.7
35°	7357.0	7313.4	7397.4	7487.9	7466.8
37.5°	7085.6	7059.8	7155.0	7250.5	7239.2
40°	6820.7	6777.0	6885.3	6998.3	6987.1
42.5°	6536.4	6484.6	6602.6	6738.4	6725.4
45°	6205.1	6193.8	6298.8	6447.4	6436.2
47.5°	5911.2	5854.7	6001.6	6145.4	6158.4
50°	5555.7	5534.8	5668.9	5843.3	5856.2
52.5°	5208.4	5193.9	5334.3	5510.5	5533.1
55°	4862.6	4825.5	4988.7	5155.1	5168.1
57.5°	4492.8	4454.0	4620.4	4801.4	4828.8
60°	4096.8	4059.8	4242.2	4410.4	3507.3
62.5°	3701.1	3675.3	3866.0	2738.3	2206.9
65°	3276.2	3276.2	3466.8	1988.7	1995.2
67.5°	2878.9	2853.1	2584.9	1786.7	1786.7
70°	2452.3	2462.1	1489.4	1565.5	1567.1
72.5°	2024.2	2059.8	1286.0	1347.2	1350.5
75°	1618.7	1649.5	1071.0	1127.7	1132.4
77.5°	1189.1	914.3	861.0	904.8	906.3
80°	835.2	576.8	659.2	701.1	696.3
82.5°	487.8	403.8	483.0	513.8	512.1
85°	211.6	268.2	334.4	361.9	342.4
87.5°	67.8	166.4	208.3	224.6	222.8
90°	2.5	108.8	172.8	207.7	208.8
92.5°	8.3	94.3	167.7	215.0	224.8
95°	28.1	106.8	195.9	262.2	281.3
97.5°	141.6	189.7	245.9	308.9	327.2
100°	284.1	330.7	299.3	342.4	349.9
102.5°	459.7	459.3	353.1	341.7	338.3
105°	535.5	537.8	469.2	339.2	311.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	433.9	443.0	440.2	420.5	394.0
115°	371.3	374.6	382.8	376.2	359.0
117.5°	311.7	310.0	313.3	311.7	310.0
120°	260.0	263.3	264.2	262.5	261.7
122.5°	215.0	221.7	225.8	223.3	222.5
125°	175.8	185.8	190.8	189.2	188.3
127.5°	150.0	155.8	162.5	162.5	160.8
130°	130.0	134.2	139.2	140.0	140.0
132.5°	115.8	119.2	123.3	124.2	125.0
135°	104.2	107.5	110.0	111.7	112.5
137.5°	95.8	97.5	100.8	101.7	102.5
140°	87.5	90.0	92.5	93.3	94.2
142.5°	81.7	83.3	85.0	86.7	86.7
145°	75.8	77.5	79.2	80.8	80.8
147.5°	71.7	73.3	75.0	75.0	75.8
150°	67.5	69.2	70.0	70.8	70.8
152.5°	64.2	65.0	66.7	66.7	67.5
155°	60.8	61.7	63.3	63.3	64.2
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	535.5	544.4	511.8	391.2	320.6
110°	496.4	505.3	488.5	439.7	376.5



(END OF REPORT)