

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: P828070

Luminaire Tested: **OHBL-30HE-N-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828070
REPORT IS A COMBINATION OF REPORTS P826278 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-N-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

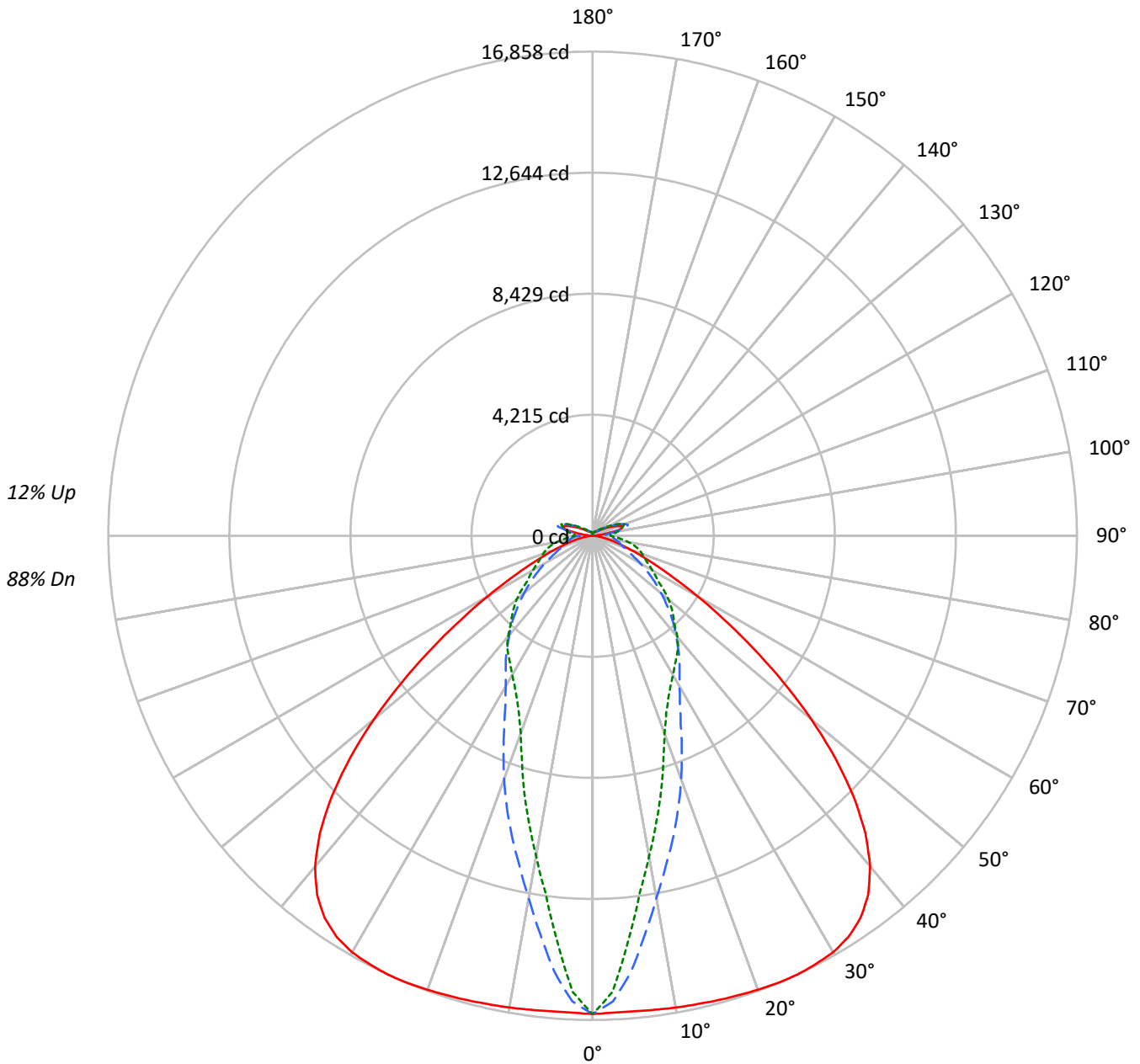
Lumens per Lamp: N/A
Luminaire Lumens: 27130.7 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 187
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					20	
RC	80					70					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	104	104	104	97	97	97	91	91	91	88				
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	78	75				
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64				
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56				
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49				
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44				
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39				
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35				
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32				
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29				
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26337	26337	26337
5°	26172	23995	22408
10°	26356	20221	18055
15°	26755	17302	14893
20°	27384	14636	12108
25°	28198	12121	10667
30°	29027	10447	9966
35°	29469	9527	9555
40°	28789	8611	9128
45°	26302	7787	8519
50°	22013	6885	8069
55°	16566	6037	7260
60°	11470	5183	7047
65°	7596	4471	7023
70°	5077	4204	7550
75°	3411	4349	8366
80°	2224	4839	9157
85°	1160	6108	10919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1401.8	5.2
10°-20°	3297.8	12.2
20°-30°	4133.7	15.2
30°-40°	4386.3	16.2
40°-50°	3965.9	14.6
50°-60°	2875.6	10.6
60°-70°	1804.6	6.7
70°-80°	1194.2	4.4
80°-90°	693.4	2.6
90°-100°	530.5	2.0
100°-110°	1121.9	4.1
110°-120°	876.2	3.2
120°-130°	415.2	1.5
130°-140°	206.3	0.8
140°-150°	119.4	0.4
150°-160°	67.4	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	8833.3	32.6
0°-40°	13219.6	48.7
0°-60°	20061.1	73.9
0°-90°	23753.3	87.6
90°-120°	2528.7	9.3
90°-150°	3269.6	12.1
90°-180°	3377.0	12.4
0°-180°	27130.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16653	16653	16653	16653	16653	
5°	16620	16194	15242	14536	14170	###
15°	16747	13650	10841	9641	9204	4749
25°	16858	10554	7259	6443	6238	7788
35°	16254	7017	5268	5104	5102	10104
45°	12849	4444	3818	3910	3977	9788
55°	6803	2755	2492	2702	2799	6146
65°	2433	1598	1442	1848	2054	2532
75°	751	861	968	1504	1594	837
85°	132	357	708	986	905	158
90°	6	183	456	629	634	12
95°	54	200	478	639	672	177
105°	1077	1142	1253	1092	1012	1018
115°	752	784	912	959	949	754
125°	381	398	473	487	480	355
135°	228	236	261	288	288	180
145°	174	178	185	200	198	110
155°	143	150	154	157	154	64
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16653.2	16653.2	16653.2	16653.2	16653.2
2.5°	16618.3	16523.2	16226.8	16046.1	15893.9
5°	16619.8	16193.5	15242.5	14535.7	14169.5
7.5°	16643.6	15695.8	13982.5	12950.7	12548.1
10°	16680.1	15079.2	12806.4	11706.5	11330.8
12.5°	16707.0	14385.1	11771.5	10641.4	10229.3
15°	16746.7	13649.7	10841.1	9641.2	9203.8
17.5°	16783.1	12957.0	9921.8	8668.1	8181.6
20°	16819.6	12210.5	9002.6	7710.8	7309.8
22.5°	16854.4	11422.8	8105.5	6967.5	6693.2
25°	16857.6	10554.2	7259.1	6442.8	6238.4
27.5°	16816.4	9654.0	6572.8	6003.8	5877.0
30°	16745.1	8780.7	6040.2	5686.8	5596.5
32.5°	16567.6	7889.9	5628.2	5380.9	5328.6
35°	16253.8	7016.6	5268.4	5103.6	5102.0
37.5°	15759.2	6241.6	4878.5	4850.0	4884.8
40°	15028.6	5563.2	4509.2	4585.2	4585.2
42.5°	14053.8	4973.6	4174.8	4252.4	4231.8
45°	12849.2	4444.3	3818.2	3910.1	3976.7
47.5°	11452.9	3978.2	3453.6	3631.2	3723.1
50°	9934.5	3534.4	3120.8	3347.4	3452.0
52.5°	8343.2	3123.9	2795.8	3055.8	3139.8
55°	6802.7	2754.7	2491.6	2702.3	2799.0
57.5°	5407.8	2402.8	2193.6	2393.2	2593.0
60°	4208.1	2100.1	1913.1	2198.3	2398.0
62.5°	3214.2	1830.6	1649.9	2016.1	2215.8
65°	2432.9	1597.7	1442.3	1848.1	2054.1
67.5°	1833.8	1396.3	1280.7	1726.0	1927.3
70°	1377.3	1201.4	1150.7	1649.9	1830.6
72.5°	1017.6	1022.3	1047.7	1583.3	1721.2
75°	751.2	860.7	968.4	1504.1	1594.5
77.5°	537.3	713.2	897.1	1409.0	1440.8
80°	372.5	581.7	822.6	1283.8	1256.8
82.5°	233.0	466.0	756.0	1145.9	1071.4
85°	131.6	356.6	708.5	985.8	905.0
87.5°	58.7	266.2	619.8	768.7	718.0
90°	5.8	183.2	455.5	629.3	634.1
92.5°	20.7	166.2	433.8	596.9	614.4
95°	53.8	200.4	478.0	638.8	671.8
97.5°	297.9	380.2	589.2	747.3	798.8
100°	582.0	687.4	763.1	878.3	898.3
102.5°	914.4	996.1	1005.2	977.0	964.7
105°	1076.8	1142.2	1253.1	1092.0	1012.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	869.2	913.9	1058.9	1100.4	1088.3
115°	752.4	784.2	911.7	959.4	949.2
117.5°	639.0	667.0	781.2	814.1	809.0
120°	540.7	567.2	660.7	688.9	682.3
122.5°	454.8	480.0	563.4	581.2	572.2
125°	380.7	397.8	472.8	486.6	480.0
127.5°	324.1	334.8	394.6	415.9	410.2
130°	281.6	291.4	337.8	361.7	360.8
132.5°	250.8	259.8	294.3	318.9	318.1
135°	228.3	235.7	261.2	287.7	287.7
137.5°	208.3	218.9	235.8	259.8	259.8
140°	194.2	201.5	215.2	235.9	236.8
142.5°	183.2	188.2	198.7	216.2	217.1
145°	174.0	178.1	185.4	199.8	198.2
147.5°	164.0	170.5	175.4	185.0	183.4
150°	156.5	163.8	167.1	172.7	171.9
152.5°	149.8	156.2	158.8	163.6	162.0
155°	143.2	150.4	153.7	156.9	153.8
157.5°	119.2	120.8	122.5	123.3	124.2
160°	115.0	115.8	117.5	118.3	119.2
162.5°	110.0	111.7	112.5	113.3	114.2
165°	106.7	107.5	108.3	110.0	110.0
167.5°	103.3	104.2	105.0	105.8	105.8
170°	100.8	101.7	102.5	102.5	102.5
172.5°	98.3	99.2	100.0	100.0	100.0
175°	96.7	97.5	97.5	98.3	98.3
177.5°	95.8	96.7	96.7	96.7	97.5
180°	95.8	95.8	95.8	95.8	95.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1076.0	1143.3	1280.1	1222.2	1116.7
110°	989.2	1051.2	1192.0	1208.1	1160.9



(END OF REPORT)