

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: P828074

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828074
REPORT IS A COMBINATION OF REPORTS P826280 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-W-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

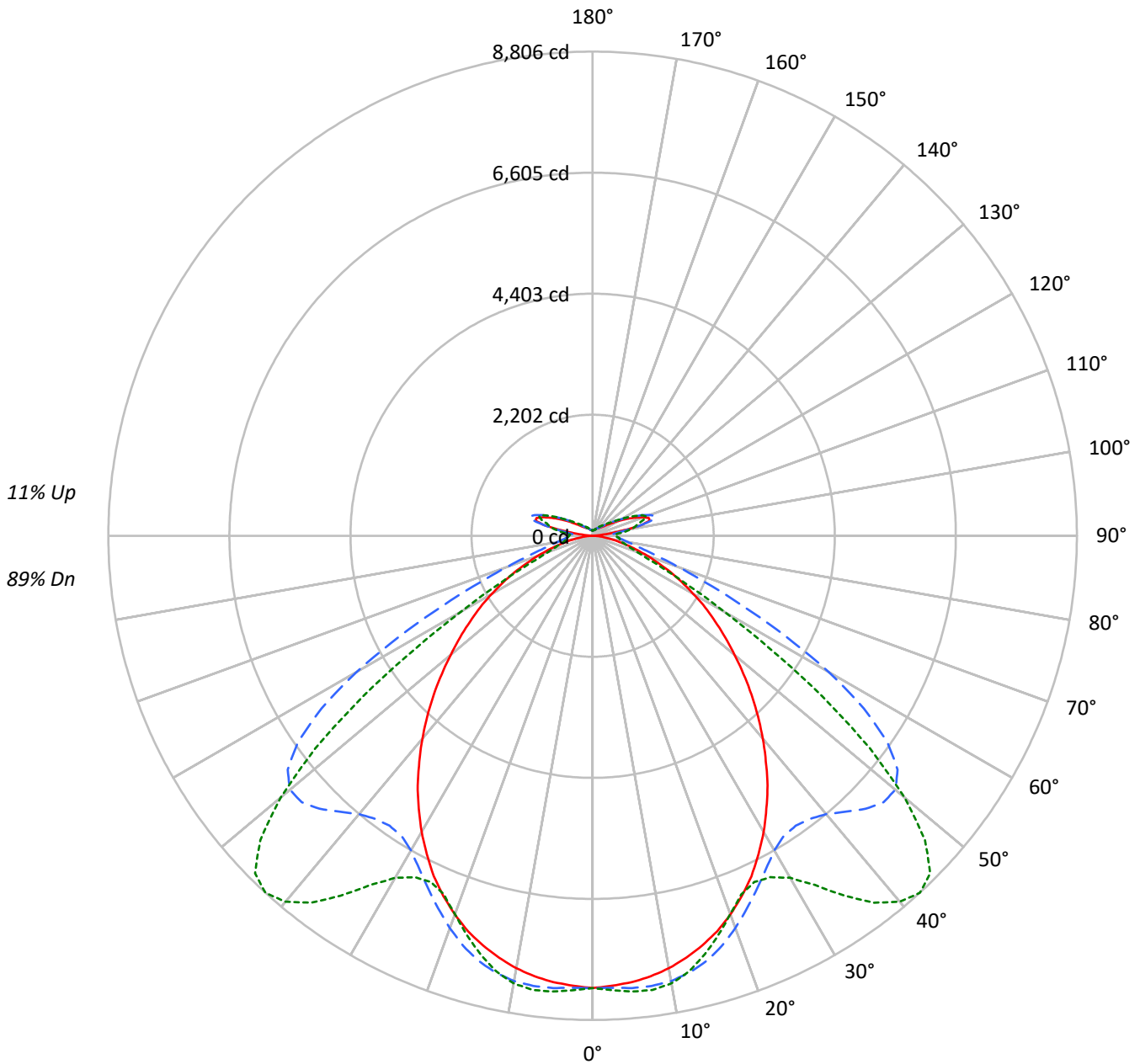
Lumens per Lamp: N/A
Luminaire Lumens: 27182.5 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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									
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	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13009	13009	13009
5°	12834	12997	13157
10°	12619	12983	13173
15°	12320	12774	12751
20°	11930	12341	12126
25°	11429	11815	11883
30°	10783	11425	12787
35°	10055	11643	14964
40°	9223	12617	17299
45°	8359	14322	18594
50°	7464	15850	17304
55°	6621	15845	13221
60°	5766	13420	8083
65°	4870	9280	4896
70°	3873	6011	3535
75°	2853	4319	3278
80°	1939	3811	3698
85°	1173	4223	5846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.1	2.9
10°-20°	2226.0	8.2
20°-30°	3257.3	12.0
30°-40°	4230.3	15.6
40°-50°	5165.7	19.0
50°-60°	4549.2	16.7
60°-70°	2370.6	8.7
70°-80°	1016.6	3.7
80°-90°	493.6	1.8
90°-100°	426.6	1.6
100°-110°	1034.4	3.8
110°-120°	818.6	3.0
120°-130°	392.3	1.4
130°-140°	197.7	0.7
140°-150°	113.2	0.4
150°-160°	63.7	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	6269.3	23.1
0°-40°	10499.6	38.6
0°-60°	20214.6	74.4
0°-90°	24095.5	88.6
90°-120°	2279.6	8.4
90°-150°	2982.8	11.0
90°-180°	3087.0	11.4
0°-180°	27182.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8226	8226	8226	8226	8226	
5°	8150	8212	8256	8329	8320	773
15°	7711	7928	8004	7944	7880	2171
25°	6833	7198	7076	6943	6950	3136
35°	5546	6132	6439	7509	7990	3457
45°	4084	5138	7023	8503	8680	3149
55°	2719	4501	6540	5734	5097	2440
65°	1560	3118	2994	1665	1432	1543
75°	628	1459	962	658	625	685
85°	133	520	490	479	484	148
90°	8	222	368	420	429	13
95°	51	206	374	449	469	174
105°	1071	1135	1157	944	858	1012
115°	746	770	837	864	852	748
125°	374	390	443	451	447	349
135°	223	227	250	274	276	176
145°	169	168	174	186	190	107
155°	138	141	139	141	141	63
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°	8226.0	8226.0	8226.0	8226.0	8226.0
2.5°	8190.5	8226.0	8227.8	8277.4	8272.1
5°	8149.7	8211.8	8256.2	8328.9	8320.0
7.5°	8082.3	8179.8	8257.9	8337.8	8330.7
10°	7986.4	8119.5	8222.4	8288.1	8266.8
12.5°	7862.2	8037.8	8139.0	8153.2	8112.4
15°	7711.3	7927.8	8004.2	7943.8	7879.9
17.5°	7540.9	7794.7	7821.3	7690.0	7610.2
20°	7327.9	7617.3	7590.6	7409.6	7320.8
22.5°	7091.9	7422.0	7336.8	7146.9	7061.8
25°	6832.8	7198.4	7075.9	6942.8	6949.9
27.5°	6529.3	6944.6	6825.7	6886.0	6999.6
30°	6220.5	6678.4	6605.6	6957.0	7180.7
32.5°	5881.5	6405.1	6470.8	7164.7	7530.2
35°	5546.1	6131.8	6438.8	7509.0	7989.9
37.5°	5175.2	5854.9	6490.2	7906.5	8410.6
40°	4814.9	5585.2	6607.4	8263.2	8689.2
42.5°	4447.5	5343.8	6804.4	8474.4	8806.3
45°	4083.7	5137.9	7022.7	8502.8	8680.3
47.5°	3719.9	4964.0	7173.6	8277.4	8195.8
50°	3368.5	4809.6	7184.2	7736.2	7402.5
52.5°	3040.2	4667.6	6989.0	6873.6	6355.4
55°	2718.9	4500.8	6539.9	5734.3	5097.1
57.5°	2426.1	4270.1	5847.8	4509.7	3813.9
60°	2115.5	3957.7	4953.3	3299.2	2750.8
62.5°	1829.8	3569.0	3950.6	2296.5	1977.1
65°	1560.0	3118.2	2994.0	1664.8	1432.2
67.5°	1274.2	2651.5	2209.6	1213.9	1064.8
70°	1050.7	2218.4	1645.2	944.2	857.2
72.5°	821.8	1806.7	1229.9	766.7	718.8
75°	628.2	1458.8	961.9	658.4	624.8
77.5°	463.2	1153.6	773.8	582.1	550.2
80°	324.8	908.7	647.8	520.0	507.6
82.5°	218.3	702.8	551.9	495.2	496.9
85°	133.1	520.0	489.8	479.2	484.5
87.5°	63.9	369.2	420.6	436.6	441.9
90°	7.6	222.2	368.0	420.0	428.8
92.5°	17.5	186.2	339.0	397.6	408.2
95°	51.1	205.8	374.0	449.2	468.9
97.5°	293.6	378.8	480.8	567.7	605.5
100°	577.8	683.1	656.7	708.6	718.1
102.5°	908.7	989.2	902.9	818.6	797.2
105°	1071.2	1134.6	1156.8	943.9	858.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	864.0	902.6	978.0	992.0	975.5
115°	745.7	770.5	837.1	863.5	852.1
117.5°	632.4	656.1	716.3	731.0	726.1
120°	534.1	555.8	605.6	621.9	617.0
122.5°	448.2	469.7	521.8	532.1	526.3
125°	374.1	390.2	442.8	450.6	447.3
127.5°	317.3	326.6	373.2	390.1	387.7
130°	274.8	281.5	321.8	341.2	343.9
132.5°	245.7	251.5	282.2	302.4	305.2
135°	223.2	227.3	250.1	273.8	275.5
137.5°	203.2	209.0	225.6	246.7	250.2
140°	189.0	193.2	204.4	223.8	226.4
142.5°	178.2	179.8	189.3	205.2	207.8
145°	169.2	168.2	174.1	186.4	189.9
147.5°	159.2	160.8	164.1	172.8	174.7
150°	151.7	154.2	154.0	158.3	162.8
152.5°	145.0	146.7	145.7	147.3	150.8
155°	138.3	140.8	139.0	140.7	140.7
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°	1072.2	1133.3	1188.3	1089.2	976.2
110°	983.8	1040.4	1103.0	1088.9	1034.1



(END OF REPORT)