

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: P828064

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828064
REPORT IS A COMBINATION OF REPORTS P826275 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-A-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

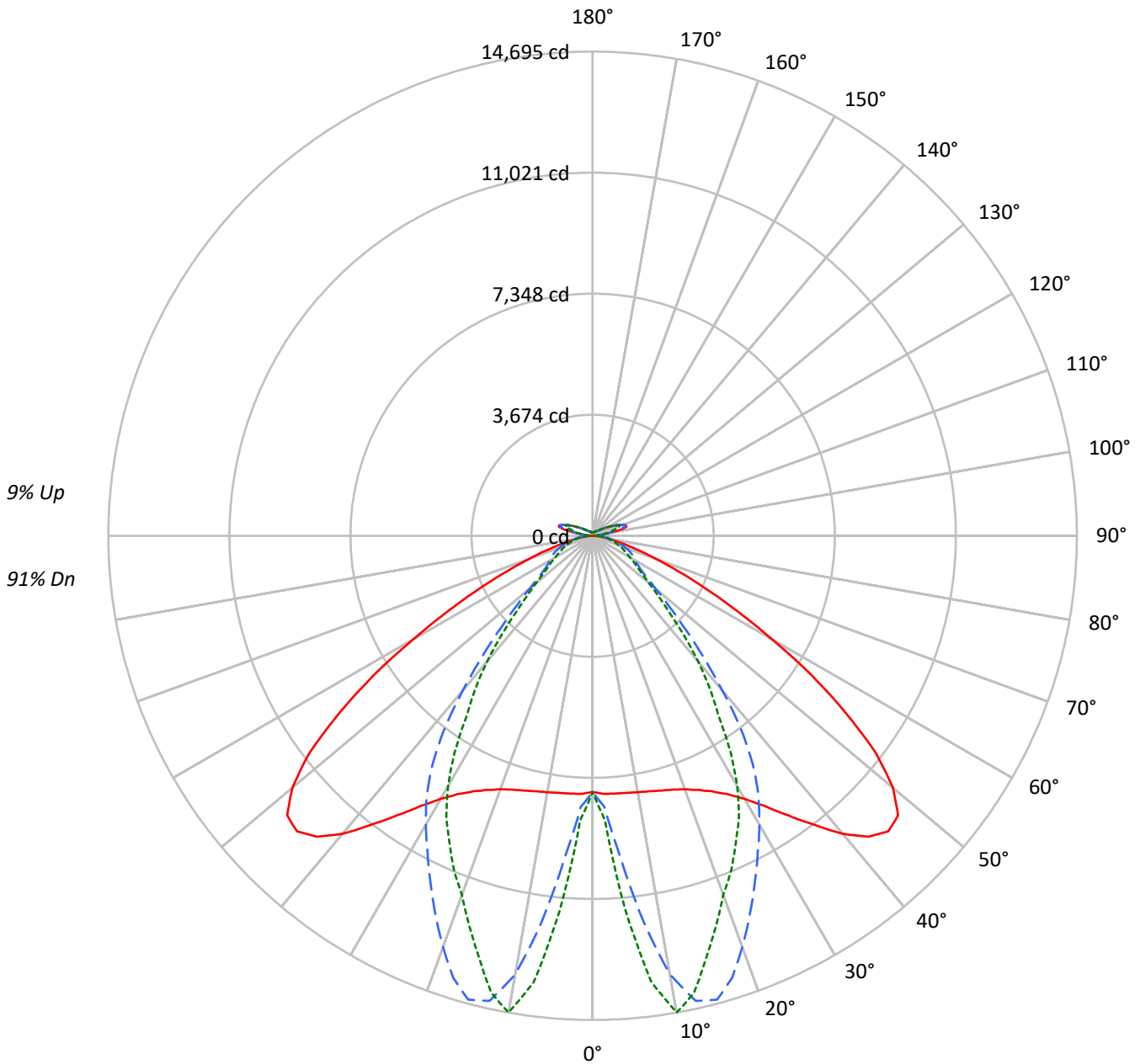
Lumens per Lamp: N/A
Luminaire Lumens: 27505.8 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P828064

CATALOG NUMBER: OHBL-30HE-A-UNV-L935-CD-UPL30

Luminous Intensity Polar Plot





TEST NUMBER: P828064

CATALOG NUMBER: OHBL-30HE-A-UNV-L935-CD-UPL30

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	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12298	12298	12298
5°	12368	15474	18027
10°	12487	21344	23416
15°	12793	23262	21491
20°	13330	21594	19207
25°	14313	19430	17568
30°	15971	17504	15622
35°	18791	15329	12449
40°	22615	11681	9907
45°	25967	7964	7051
50°	26356	5467	5215
55°	22845	4307	4261
60°	17094	4035	3833
65°	11742	4054	3631
70°	7530	3918	3517
75°	4547	3637	3364
80°	2694	3211	3472
85°	1314	2783	3219



TEST NUMBER: P828064

CATALOG NUMBER: OHBL-30HE-A-UNV-L935-CD-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1015.2	3.7
10°-20°	3583.1	13.0
20°-30°	5279.8	19.2
30°-40°	5548.3	20.2
40°-50°	4245.5	15.4
50°-60°	2563.6	9.3
60°-70°	1564.4	5.7
70°-80°	853.8	3.1
80°-90°	305.1	1.1
90°-100°	197.2	0.7
100°-110°	891.8	3.2
110°-120°	734.3	2.7
120°-130°	346.5	1.3
130°-140°	174.7	0.6
140°-150°	102.1	0.4
150°-160°	59.8	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	9878.1	35.9
0°-40°	15426.4	56.1
0°-60°	22235.4	80.8
0°-90°	24958.8	90.7
90°-120°	1823.3	6.6
90°-150°	2446.6	8.9
90°-180°	2547.0	9.3
0°-180°	27505.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7776	7776	7776	7776	7776	
5°	7854	8426	9830	10976	11399	751
15°	8007	12472	14576	13601	13281	2277
25°	8556	14474	11636	10535	10275	3999
35°	10364	11591	8477	7060	6647	6575
45°	12686	6614	3905	3436	3292	9585
55°	9381	2243	1778	1648	1643	8290
65°	3761	1420	1308	1119	1062	3854
75°	1001	883	810	668	641	1152
85°	149	274	323	294	267	184
90°	6	34	45	51	51	12
95°	48	96	117	148	158	172
105°	1064	1072	990	743	654	1005
115°	735	735	734	738	722	737
125°	362	372	382	372	368	338
135°	212	217	222	226	226	168
145°	155	158	162	163	163	98
155°	124	127	128	130	130	58
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



TEST NUMBER: P828064

CATALOG NUMBER: OHBL-30HE-A-UNV-L935-CD-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7776.2	7776.2	7776.2	7776.2	7776.2
2.5°	7839.8	7919.8	8235.3	8562.8	8642.4
5°	7854.2	8426.3	9829.9	10975.9	11399.4
7.5°	7870.8	9247.0	11805.6	13208.8	13657.9
10°	7902.5	10284.7	13517.5	14524.9	14694.7
12.5°	7941.8	11384.1	14459.6	14422.8	14208.8
15°	8007.3	12471.5	14575.6	13601.2	13281.4
17.5°	8075.9	13391.5	14069.4	12706.9	12428.5
20°	8187.6	14074.4	13282.1	11912.0	11595.5
22.5°	8348.7	14449.9	12456.5	11193.0	10986.7
25°	8556.4	14474.2	11636.5	10535.2	10275.0
27.5°	8834.8	14138.4	10850.6	9890.6	9615.8
30°	9213.7	13495.5	10120.3	9113.2	8772.5
32.5°	9728.2	12570.2	9367.4	8174.9	7792.8
35°	10364.4	11591.2	8477.4	7059.9	6647.1
37.5°	11058.7	10504.1	7397.3	6072.5	5832.1
40°	11805.6	9384.1	6117.2	5148.5	4976.5
42.5°	12388.5	8166.2	4928.1	4278.6	4095.5
45°	12685.6	6614.1	3905.1	3436.2	3291.8
47.5°	12569.8	5134.2	3095.8	2730.3	2687.0
50°	11894.6	3791.0	2478.2	2249.2	2231.2
52.5°	10838.9	2825.7	2047.1	1905.3	1874.3
55°	9381.4	2242.8	1777.7	1647.6	1642.6
57.5°	7876.5	1905.3	1613.6	1512.9	1477.8
60°	6271.2	1698.9	1489.2	1375.5	1304.5
62.5°	4915.8	1554.6	1397.8	1243.4	1177.1
65°	3761.0	1419.8	1307.8	1119.1	1062.1
67.5°	2803.7	1291.5	1197.8	988.3	955.0
70°	2042.8	1159.8	1072.4	879.0	852.7
72.5°	1455.8	1028.3	947.0	776.2	747.3
75°	1001.3	883.0	810.0	668.2	641.2
77.5°	675.6	734.6	674.9	570.5	559.2
80°	451.2	582.6	545.8	483.5	476.5
82.5°	273.8	422.8	430.8	393.2	374.2
85°	149.1	273.8	322.8	294.1	266.8
87.5°	58.3	151.8	222.4	199.8	188.1
90°	5.8	34.2	45.0	50.8	50.8
92.5°	17.5	42.5	55.0	67.5	69.2
95°	47.5	95.8	116.7	147.5	158.3
97.5°	290.0	288.3	250.0	290.8	323.3
100°	572.5	605.0	450.8	458.3	462.5
102.5°	903.3	920.0	718.3	595.0	570.0
105°	1064.2	1072.5	990.0	743.3	654.2



TEST NUMBER: P828064

CATALOG NUMBER: OHBL-30HE-A-UNV-L935-CD-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	853.3	860.0	860.8	850.0	830.0
115°	735.0	735.0	734.2	737.5	722.5
117.5°	620.0	624.2	625.8	619.2	612.5
120°	521.7	529.2	527.5	522.5	515.8
122.5°	435.8	448.3	452.5	443.3	435.8
125°	361.7	372.5	382.5	372.5	367.5
127.5°	306.7	314.2	321.7	320.8	316.7
130°	264.2	270.8	279.2	280.8	280.0
132.5°	235.0	240.8	246.7	249.2	248.3
135°	212.5	216.7	221.7	225.8	225.8
137.5°	192.5	198.3	202.5	205.8	205.8
140°	178.3	182.5	186.7	188.3	189.2
142.5°	165.8	169.2	173.3	175.0	175.8
145°	155.0	157.5	161.7	163.3	163.3
147.5°	145.0	148.3	151.7	153.3	153.3
150°	137.5	140.0	143.3	144.2	145.0
152.5°	130.8	132.5	135.0	136.7	136.7
155°	124.2	126.7	128.3	130.0	130.0
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°	1063.3	1078.3	1039.2	910.0	793.3
110°	975.0	992.5	971.7	929.2	870.8



(END OF REPORT)