

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: P828084

Luminaire Tested: **OHBL-30SE-NL-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828084
REPORT IS A COMBINATION OF REPORTS P826285 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-30SE-NL-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

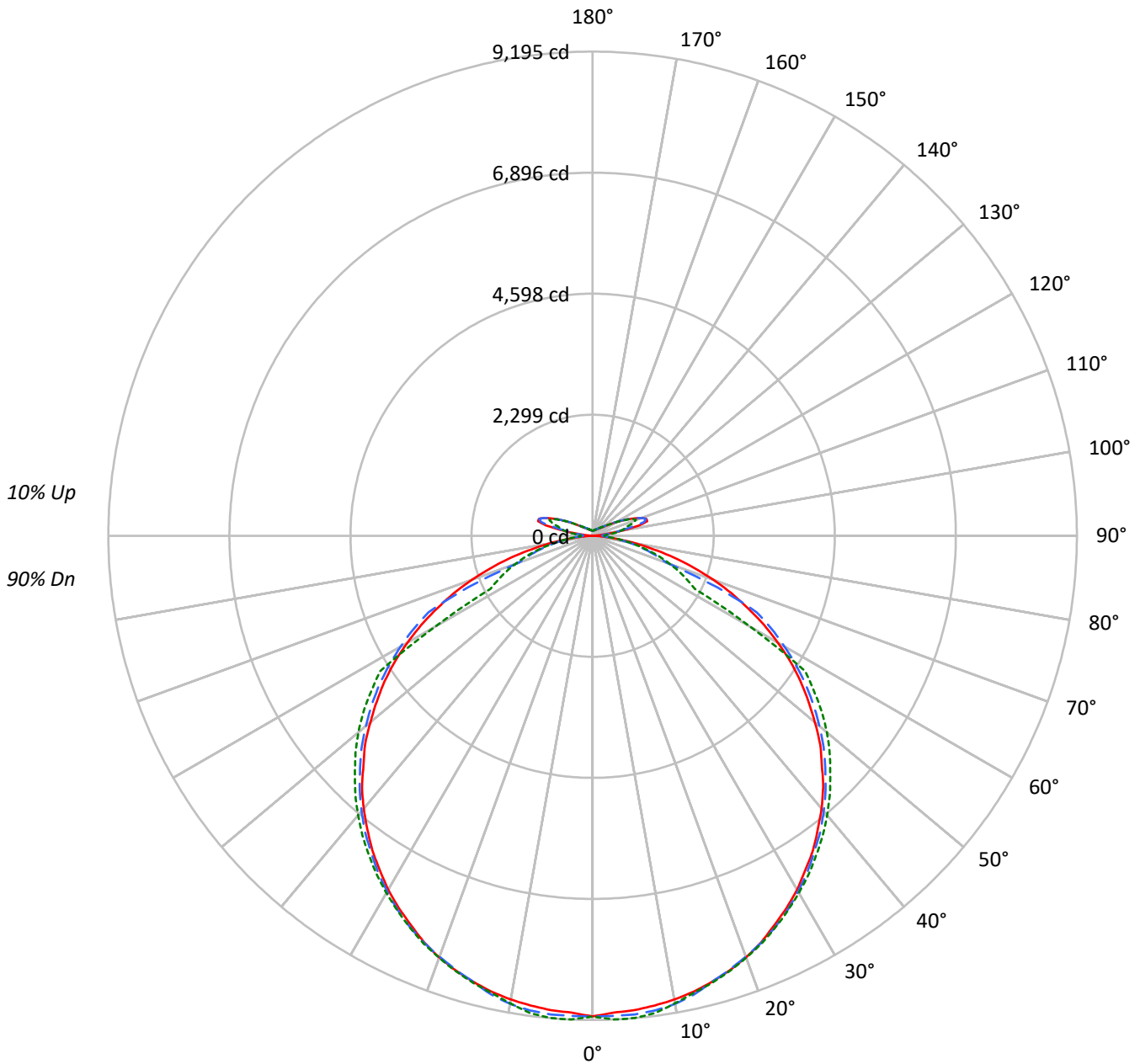
Lumens per Lamp: N/A
Luminaire Lumens: 28179.9 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 197.2
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: P828084

CATALOG NUMBER: OHBL-30SE-NL-UNV-L935-CD-UPL30

Luminous Intensity Polar Plot





TEST NUMBER: P828084

CATALOG NUMBER: OHBL-30SE-NL-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	93	93	93	90																			
1	107	103	99	95	103	99	96	92	93	90	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	57	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15590	15590	15590
5°	15423	15561	15726
10°	15346	15489	15564
15°	15261	15253	15428
20°	15154	15125	15351
25°	14960	15029	15281
30°	14795	14862	15214
35°	14595	14664	15155
40°	14354	14477	15110
45°	14019	14215	15016
50°	13659	13920	14956
55°	13223	13545	14702
60°	12569	12992	11358
65°	11631	12281	7565
70°	10423	6314	7233
75°	8653	5705	6744
80°	6076	4773	5904
85°	2439	3824	5109



TEST NUMBER: P828084

CATALOG NUMBER: OHBL-30SE-NL-UNV-L935-CD-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	867.2	3.1
10°-20°	2483.0	8.8
20°-30°	3778.1	13.4
30°-40°	4593.6	16.3
40°-50°	4829.9	17.1
50°-60°	4410.3	15.7
60°-70°	2827.2	10.0
70°-80°	1335.5	4.7
80°-90°	375.7	1.3
90°-100°	295.3	1.0
100°-110°	918.7	3.3
110°-120°	741.7	2.6
120°-130°	346.5	1.2
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°	7128.2	25.3
0°-40°	11721.8	41.6
0°-60°	20962.0	74.4
0°-90°	25500.5	90.5
90°-120°	1955.7	6.9
90°-150°	2579.0	9.2
90°-180°	2679.0	9.5
0°-180°	28179.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9128	9128	9128	9128	9128	
5°	9043	9078	9125	9174	9194	860
15°	8769	8835	8768	8780	8787	2476
25°	8160	8173	8202	8215	8208	3765
35°	7294	7251	7334	7424	7403	4558
45°	6152	6141	6245	6392	6381	4755
55°	4821	4784	4946	5111	5124	4299
65°	3248	3248	3437	1972	1978	3220
75°	1605	1635	1062	1118	1123	1692
85°	210	266	332	359	340	310
90°	6	124	192	225	222	13
95°	52	142	222	290	301	174
105°	1072	1090	1016	769	678	1013
115°	743	746	750	749	724	742
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: P828084

CATALOG NUMBER: OHBL-30SE-NL-UNV-L935-CD-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9127.8	9127.8	9127.8	9127.8	<i>9127.8</i>
2.5°	<i>9063.8</i>	<i>9094.2</i>	<i>9127.8</i>	<i>9171.1</i>	<i>9195.0</i>
5°	9042.9	9078.2	9124.7	9174.3	<i>9193.5</i>
7.5°	8998.2	9047.7	9092.6	9127.8	<i>9139.1</i>
10°	8942.0	9001.3	9027.0	9023.8	<i>9015.8</i>
12.5°	8866.8	8929.2	8921.3	8884.3	<i>8890.8</i>
15°	8769.1	8834.7	8767.5	8780.2	<i>8786.7</i>
17.5°	8653.8	8717.8	8639.3	8664.9	<i>8666.6</i>
20°	8519.2	8567.3	8506.4	8527.3	<i>8527.3</i>
22.5°	8357.5	8391.1	8365.5	8379.9	<i>8383.1</i>
25°	8160.4	8173.2	8202.0	8214.9	<i>8208.4</i>
27.5°	7971.6	7955.4	8011.6	8041.9	<i>8025.8</i>
30°	7761.6	7736.0	7801.7	7851.3	<i>7832.2</i>
32.5°	7521.3	7505.4	7580.7	7639.8	<i>7628.7</i>
35°	7293.9	7250.7	7334.0	7423.7	<i>7402.8</i>
37.5°	7024.8	6999.3	7093.7	7188.3	<i>7177.1</i>
40°	6762.2	6718.9	6826.2	6938.3	<i>6927.2</i>
42.5°	6480.3	6429.0	6546.0	6680.6	<i>6667.8</i>
45°	6151.9	6140.7	6244.8	6392.2	<i>6381.0</i>
47.5°	5860.6	5804.4	5950.1	6092.7	<i>6105.6</i>
50°	5508.0	5487.3	5620.2	5793.2	<i>5805.9</i>
52.5°	5163.8	5149.3	5288.6	5463.2	<i>5485.7</i>
55°	4820.9	4784.1	4945.9	5110.9	<i>5123.8</i>
57.5°	4454.3	4415.8	4580.8	4760.2	<i>4787.3</i>
60°	4061.8	4024.9	4205.9	4372.6	<i>3477.2</i>
62.5°	3669.3	3643.8	3832.8	2714.8	<i>2188.0</i>
65°	3248.2	3248.2	3437.0	1971.6	<i>1978.1</i>
67.5°	2854.2	2828.6	2562.8	1771.3	<i>1771.3</i>
70°	2431.3	2441.0	1476.7	1552.1	<i>1553.6</i>
72.5°	2006.9	2042.2	1275.0	1335.8	<i>1338.9</i>
75°	1604.8	1635.3	1061.8	1118.0	<i>1122.8</i>
77.5°	1178.8	906.5	853.6	897.0	<i>898.6</i>
80°	828.0	571.8	653.5	695.1	<i>690.3</i>
82.5°	483.6	400.3	478.8	509.4	<i>507.7</i>
85°	209.8	265.9	331.5	358.8	<i>339.5</i>
87.5°	67.2	165.0	206.5	222.7	<i>220.9</i>
90°	5.8	123.8	192.3	225.3	<i>222.2</i>
92.5°	17.5	112.8	183.2	227.8	<i>230.9</i>
95°	52.3	142.3	222.5	290.1	<i>300.9</i>
97.5°	293.2	321.9	325.2	402.9	<i>438.7</i>
100°	575.8	632.2	500.5	538.3	<i>544.2</i>
102.5°	911.3	942.4	748.7	646.2	<i>622.9</i>
105°	1072.2	1090.2	1015.6	768.9	<i>678.2</i>



TEST NUMBER: P828084

CATALOG NUMBER: OHBL-30SE-NL-UNV-L935-CD-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	863.0	872.9	878.5	862.9	831.5
115°	743.0	746.2	750.1	748.7	724.0
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°	1071.3	1094.2	1061.6	924.4	798.1
110°	984.7	1006.9	990.8	942.1	872.3



(END OF REPORT)