

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: P826584

Luminaire Tested: **OHBL-30SE-NL-UNV-L830-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826584
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-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

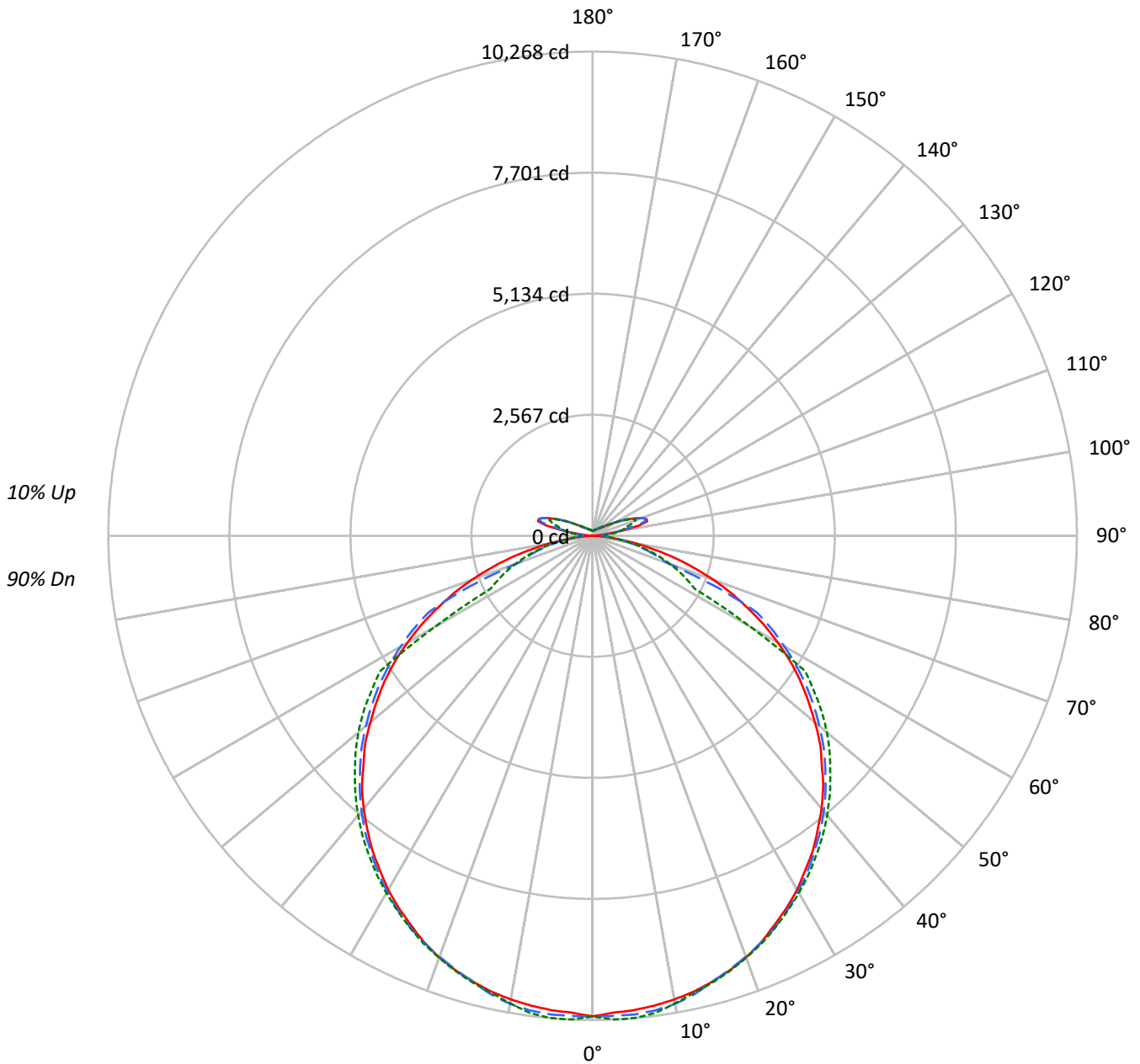
Lumens per Lamp: N/A
Luminaire Lumens: 31467.6 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

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

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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	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°	17409	17409	17409
5°	17223	17377	17561
10°	17136	17296	17380
15°	17041	17033	17228
20°	16922	16889	17142
25°	16706	16782	17064
30°	16521	16596	16989
35°	16298	16375	16923
40°	16029	16166	16872
45°	15654	15874	16768
50°	15252	15544	16701
55°	14765	15126	16417
60°	14035	14508	12683
65°	12988	13713	8448
70°	11639	7050	8076
75°	9663	6371	7530
80°	6785	5330	6594
85°	2723	4271	5705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	968.3	3.1
10°-20°	2772.7	8.8
20°-30°	4218.8	13.4
30°-40°	5129.5	16.3
40°-50°	5393.4	17.1
50°-60°	4924.8	15.7
60°-70°	3157.1	10.0
70°-80°	1491.4	4.7
80°-90°	419.6	1.3
90°-100°	329.8	1.0
100°-110°	1025.9	3.3
110°-120°	828.2	2.6
120°-130°	386.9	1.2
130°-140°	195.0	0.6
140°-150°	114.0	0.4
150°-160°	66.8	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	7959.8	25.3
0°-40°	13089.3	41.6
0°-60°	23407.6	74.4
0°-90°	28475.6	90.5
90°-120°	2183.9	6.9
90°-150°	2879.9	9.2
90°-180°	2992.0	9.5
0°-180°	31467.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10193	10193	10193	10193	10193	
5°	10098	10137	10189	10245	10266	960
15°	9792	9865	9790	9805	9812	2764
25°	9112	9127	9159	9173	9166	4205
35°	8145	8097	8190	8290	8266	5090
45°	6870	6857	6973	7138	7125	5310
55°	5383	5342	5523	5707	5722	4801
65°	3627	3627	3838	2202	2209	3596
75°	1792	1826	1186	1248	1254	1889
85°	234	297	370	401	379	346
90°	6	138	215	252	248	15
95°	58	159	248	324	336	195
105°	1197	1217	1134	859	757	1131
115°	830	833	838	836	808	829
125°	404	416	427	416	410	377
135°	237	242	248	252	252	187
145°	173	176	180	182	182	110
155°	139	141	143	145	145	65
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10192.7	10192.7	10192.7	10192.7	10192.7
2.5°	10121.2	10155.2	10192.7	10241.0	10267.8
5°	10097.9	10137.3	10189.2	10244.7	10266.1
7.5°	10048.0	10103.2	10153.4	10192.7	10205.3
10°	9985.2	10051.5	10080.2	10076.5	10067.6
12.5°	9901.2	9971.0	9962.2	9920.8	9928.1
15°	9792.1	9865.4	9790.4	9804.6	9811.8
17.5°	9663.4	9734.9	9647.3	9675.8	9677.7
20°	9513.2	9566.8	9498.8	9522.1	9522.1
22.5°	9332.5	9370.0	9341.5	9357.6	9361.1
25°	9112.5	9126.7	9158.9	9173.3	9166.1
27.5°	8901.6	8883.5	8946.3	8980.1	8962.2
30°	8667.1	8638.5	8711.9	8767.3	8745.9
32.5°	8398.8	8381.0	8465.1	8531.1	8518.7
35°	8144.9	8096.6	8189.6	8289.8	8266.5
37.5°	7844.4	7815.8	7921.3	8027.0	8014.4
40°	7551.1	7502.8	7622.6	7747.8	7735.3
42.5°	7236.4	7179.0	7309.7	7460.0	7445.7
45°	6869.6	6857.1	6973.4	7137.9	7125.4
47.5°	6544.3	6481.6	6644.3	6803.5	6817.9
50°	6150.6	6127.5	6275.9	6469.1	6483.3
52.5°	5766.2	5750.1	5905.6	6100.6	6125.7
55°	5383.4	5342.2	5522.9	5707.2	5721.5
57.5°	4974.0	4931.0	5115.3	5315.5	5345.9
60°	4535.6	4494.5	4696.6	4882.7	3882.9
62.5°	4097.4	4068.9	4280.0	3031.6	2443.3
65°	3627.1	3627.1	3838.0	2201.6	2208.9
67.5°	3187.2	3158.6	2861.7	1978.0	1978.0
70°	2715.0	2725.8	1648.9	1733.2	1734.8
72.5°	2241.1	2280.4	1423.8	1491.6	1495.1
75°	1792.1	1826.1	1185.7	1248.4	1253.7
77.5°	1316.4	1012.3	953.2	1001.6	1003.4
80°	924.6	638.5	729.7	776.2	770.9
82.5°	540.0	447.0	534.7	568.8	566.9
85°	234.2	296.9	370.2	400.7	379.1
87.5°	75.0	184.2	230.6	248.6	246.7
90°	6.5	138.3	214.8	251.6	248.2
92.5°	19.5	126.0	204.5	254.3	257.9
95°	58.3	158.9	248.5	323.9	336.0
97.5°	327.5	359.5	363.2	449.9	489.8
100°	642.9	705.9	558.9	601.1	607.7
102.5°	1017.7	1052.4	836.0	721.6	695.6
105°	1197.3	1217.4	1134.1	858.6	757.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	963.7	974.8	981.0	963.6	928.5
115°	829.7	833.2	837.6	836.0	808.5
117.5°	692.3	697.0	698.8	691.4	684.0
120°	582.5	590.9	589.0	583.5	576.0
122.5°	486.7	500.6	505.3	495.1	486.7
125°	403.9	416.0	427.1	416.0	410.4
127.5°	342.4	350.8	359.2	358.3	353.6
130°	295.0	302.4	311.7	313.6	312.7
132.5°	262.4	268.9	275.4	278.2	277.3
135°	237.3	241.9	247.5	252.2	252.2
137.5°	215.0	221.5	226.1	229.8	229.8
140°	199.1	203.8	208.4	210.3	211.2
142.5°	185.2	188.9	193.6	195.4	196.3
145°	173.1	175.9	180.5	182.4	182.4
147.5°	161.9	165.6	169.4	171.2	171.2
150°	153.5	156.3	160.1	161.0	161.9
152.5°	146.1	148.0	150.8	152.6	152.6
155°	138.7	141.4	143.3	145.2	145.2
157.5°	133.1	134.9	136.8	137.7	138.7
160°	128.4	129.3	131.2	132.1	133.1
162.5°	122.8	124.7	125.6	126.6	127.5
165°	119.1	120.0	121.0	122.8	122.8
167.5°	115.4	116.3	117.2	118.2	118.2
170°	112.6	113.5	114.5	114.5	114.5
172.5°	109.8	110.7	111.7	111.7	111.7
175°	107.9	108.9	108.9	109.8	109.8
177.5°	107.0	107.9	107.9	107.9	108.9
180°	107.0	107.0	107.0	107.0	107.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1196.3	1221.9	1185.4	1032.3	891.2
110°	1099.5	1124.4	1106.4	1052.0	974.1



(END OF REPORT)