

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: P827785

Luminaire Tested: **OHBL-30SE-W-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827785
REPORT IS A COMBINATION OF REPORTS P826130 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-W-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

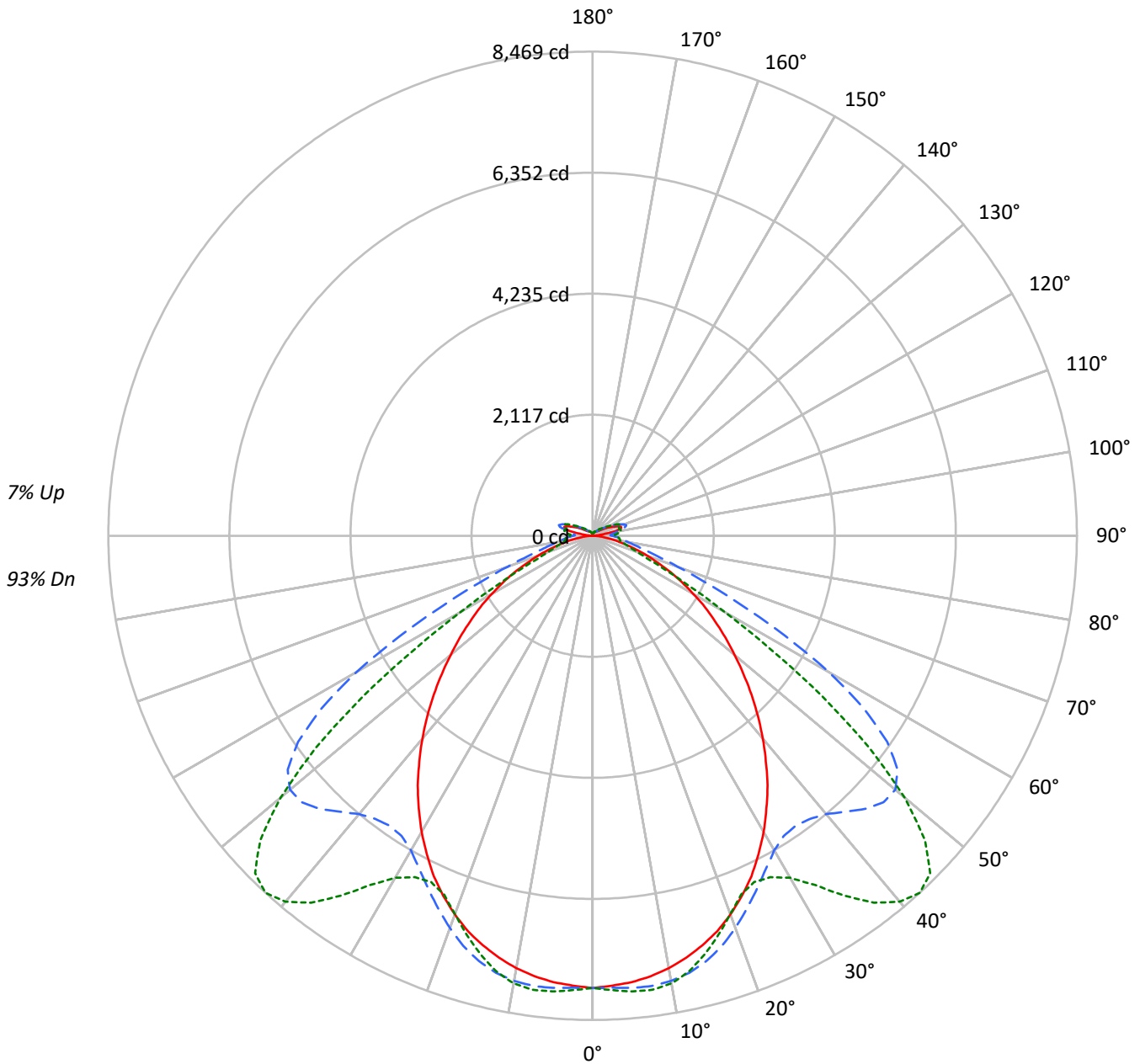
Lumens per Lamp: N/A
Luminaire Lumens: 24913.8 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
Input Voltage (V): NR
Input Current (Ain): 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	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13511	13511	13511
5°	13320	13492	13665
10°	13089	13472	13681
15°	12770	13249	13243
20°	12359	12793	12594
25°	11831	12242	12342
30°	11154	11832	13281
35°	10393	12051	15541
40°	9524	13051	17966
45°	8623	14804	19312
50°	7691	16370	17971
55°	6813	16349	13732
60°	5923	13831	8396
65°	4992	9549	5085
70°	3958	6173	3672
75°	2903	4423	3405
80°	1960	3884	3841
85°	1170	4264	6071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.9	3.0
10°-20°	2140.6	8.6
20°-30°	3132.4	12.6
30°-40°	4068.1	16.3
40°-50°	4967.7	19.9
50°-60°	4374.8	17.6
60°-70°	2279.7	9.2
70°-80°	977.6	3.9
80°-90°	472.6	1.9
90°-100°	338.3	1.4
100°-110°	545.0	2.2
110°-120°	431.5	1.7
120°-130°	212.3	0.9
130°-140°	106.2	0.4
140°-150°	59.5	0.2
150°-160°	32.2	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	6029.0	24.2
0°-40°	10097.1	40.5
0°-60°	19439.6	78.0
0°-90°	23169.6	93.0
90°-120°	1314.8	5.3
90°-150°	1692.7	6.8
90°-180°	1744.0	7.0
0°-180°	24913.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7911	7911	7911	7911	7911	
5°	7837	7897	7940	8010	8001	743
15°	7416	7624	7697	7639	7578	2088
25°	6571	6922	6805	6677	6684	3015
35°	5334	5897	6192	7221	7684	3324
45°	3927	4941	6754	8177	8348	3028
55°	2615	4328	6289	5514	4902	2347
65°	1500	2999	2879	1601	1377	1484
75°	604	1403	925	633	601	659
85°	128	500	471	461	466	143
90°	4	199	334	386	398	11
95°	26	164	334	405	432	83
105°	518	564	590	497	475	492
115°	363	386	455	475	471	366
125°	182	197	243	259	260	171
135°	111	114	134	154	157	88
145°	87	85	89	101	104	55
155°	73	74	72	72	72	32
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7910.6	7910.6	7910.6	7910.6	7910.6
2.5°	7876.5	7910.6	7912.3	7960.1	7955.0
5°	7837.2	7896.9	7939.6	8009.6	8001.0
7.5°	7772.4	7866.2	7941.3	8018.2	8011.3
10°	7680.2	7808.2	7907.2	7970.3	7949.9
12.5°	7560.7	7729.7	7827.0	7840.7	7801.4
15°	7415.6	7623.9	7697.3	7639.2	7577.8
17.5°	7251.8	7495.9	7521.5	7395.2	7318.4
20°	7047.0	7325.2	7299.7	7125.5	7040.2
22.5°	6820.0	7137.5	7055.5	6872.9	6791.1
25°	6570.9	6922.4	6804.6	6676.7	6683.5
27.5°	6279.0	6678.4	6564.0	6622.0	6731.3
30°	5982.1	6422.4	6352.4	6690.3	6905.3
32.5°	5656.1	6159.5	6222.7	6890.0	7241.6
35°	5333.5	5896.7	6192.0	7221.1	7683.6
37.5°	4976.7	5630.4	6241.5	7603.4	8088.1
40°	4630.3	5371.1	6354.1	7946.5	8356.1
42.5°	4277.1	5138.9	6543.5	8149.5	8468.7
45°	3927.1	4940.9	6753.5	8176.9	8347.6
47.5°	3577.3	4773.7	6898.6	7960.1	7881.6
50°	3239.3	4625.2	6908.7	7439.6	7118.7
52.5°	2923.6	4488.7	6721.0	6610.1	6111.7
55°	2614.7	4328.2	6289.2	5514.4	4901.7
57.5°	2333.1	4106.3	5623.7	4336.8	3667.7
60°	2034.4	3806.0	4763.4	3172.8	2645.4
62.5°	1759.7	3432.2	3799.2	2208.4	1901.3
65°	1500.2	2998.7	2879.2	1600.9	1377.3
67.5°	1225.4	2549.8	2124.9	1167.4	1024.0
70°	1010.3	2133.4	1582.2	908.0	824.3
72.5°	790.2	1737.4	1182.8	737.3	691.2
75°	604.1	1402.9	925.1	633.2	600.8
77.5°	445.5	1109.4	744.2	559.8	529.1
80°	312.3	873.8	623.0	500.0	488.2
82.5°	209.9	675.8	530.8	476.2	477.9
85°	128.0	500.0	471.0	460.8	465.9
87.5°	61.4	355.0	404.5	419.8	424.9
90°	4.1	198.7	334.1	385.7	398.3
92.5°	8.1	160.9	310.2	369.2	385.8
95°	26.0	164.0	334.0	404.9	432.1
97.5°	137.6	238.2	386.8	456.2	475.9
100°	277.5	369.3	439.7	494.5	505.2
102.5°	443.2	490.1	490.3	496.3	494.9
105°	518.5	564.1	590.5	496.8	475.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	421.7	458.1	522.5	531.8	520.6
115°	362.7	386.5	454.7	475.2	471.3
117.5°	314.3	331.4	391.0	409.8	409.9
120°	264.2	281.1	331.3	350.2	351.1
122.5°	220.5	235.5	285.6	302.0	302.9
125°	182.5	197.3	243.1	258.6	259.5
127.5°	155.8	163.1	207.1	224.2	224.3
130°	136.4	140.4	176.0	193.8	197.2
132.5°	122.6	125.9	153.7	171.6	175.9
135°	111.3	114.5	134.0	154.4	156.9
137.5°	103.2	104.8	120.0	137.9	142.1
140°	95.1	97.6	106.8	124.6	127.2
142.5°	91.2	91.1	97.8	113.1	114.8
145°	87.2	85.4	88.8	100.6	104.0
147.5°	83.2	83.1	84.7	91.5	94.0
150°	79.1	80.8	78.2	82.4	85.8
152.5°	75.9	76.7	74.9	74.9	79.1
155°	72.7	73.5	71.7	71.7	72.5
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	520.2	565.4	617.9	537.8	482.2
110°	480.6	522.2	581.4	567.4	520.7



(END OF REPORT)