

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: P828079

Luminaire Tested: **OHBL-30SE-MFL-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828079
REPORT IS A COMBINATION OF REPORTS P826127 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-MFL-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

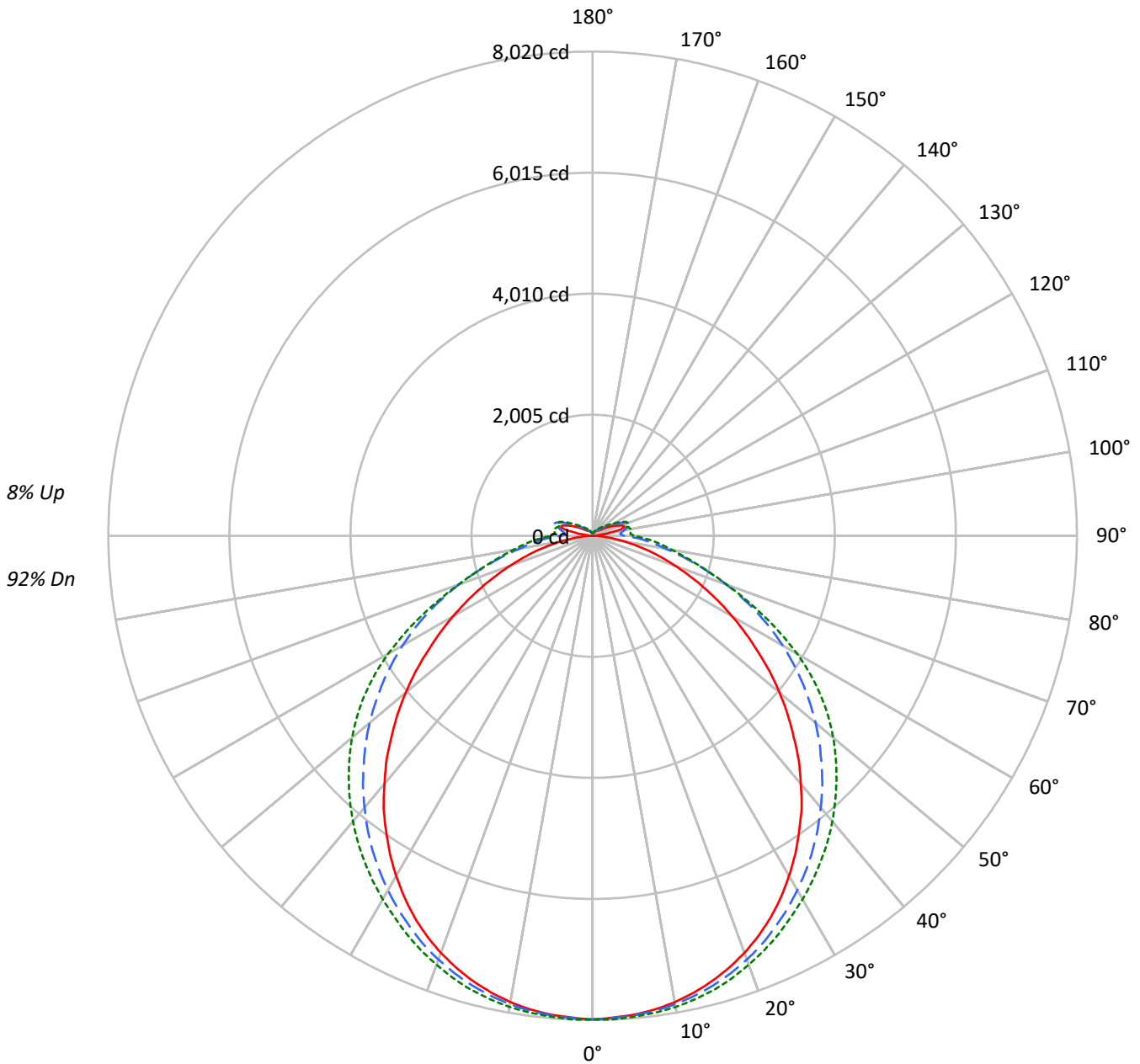
Lumens per Lamp: N/A
Luminaire Lumens: 25244.4 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13684	13684	13684
5°	13531	13549	13654
10°	13370	13423	13640
15°	13156	13274	13604
20°	12892	13093	13526
25°	12562	12869	13448
30°	12131	12626	13373
35°	11623	12368	13322
40°	11027	12071	13280
45°	10338	11747	13214
50°	9590	11420	13128
55°	8690	11020	12925
60°	7770	10550	12415
65°	6773	9950	11497
70°	5699	9188	10516
75°	4607	8306	10001
80°	3285	7652	10476
85°	1829	7882	13132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.2	3.0
10°-20°	2178.0	8.6
20°-30°	3293.8	13.0
30°-40°	3954.2	15.7
40°-50°	4084.1	16.2
50°-60°	3674.4	14.6
60°-70°	2767.9	11.0
70°-80°	1671.3	6.6
80°-90°	820.6	3.3
90°-100°	465.4	1.8
100°-110°	616.9	2.4
110°-120°	476.6	1.9
120°-130°	238.6	0.9
130°-140°	121.0	0.5
140°-150°	67.0	0.3
150°-160°	35.6	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	6230.9	24.7
0°-40°	10185.1	40.3
0°-60°	17943.6	71.1
0°-90°	23203.4	91.9
90°-120°	1558.9	6.2
90°-150°	1985.6	7.9
90°-180°	2041.0	8.1
0°-180°	25244.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8012	8012	8012	8012	8012	
5°	7961	7982	7973	8004	7994	756
15°	7639	7677	7712	7777	7784	2154
25°	6977	7053	7153	7265	7282	3209
35°	5965	6104	6355	6547	6586	3729
45°	4708	4945	5359	5651	5712	3635
55°	3335	3680	4239	4559	4614	2990
65°	2035	2451	3000	3149	3114	2022
75°	959	1376	1737	1782	1765	1023
85°	200	528	871	990	1008	231
90°	2	224	522	659	689	14
95°	33	199	462	593	630	91
105°	541	600	659	596	582	513
115°	379	408	500	543	544	383
125°	192	207	271	305	310	180
135°	118	125	151	182	191	93
145°	95	95	99	116	122	60
155°	80	83	83	81	84	35
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8011.9	8011.9	8011.9	8011.9	8011.9
2.5°	7988.4	8008.0	7996.2	8021.8	8019.8
5°	7960.9	7982.5	7972.7	8004.1	7994.3
7.5°	7913.9	7937.4	7935.4	7970.8	7966.8
10°	7845.2	7870.8	7878.6	7925.7	7925.7
12.5°	7751.2	7784.5	7804.1	7860.9	7862.9
15°	7639.3	7676.6	7711.9	7776.7	7784.5
17.5°	7504.1	7551.2	7600.2	7674.7	7684.5
20°	7351.2	7404.1	7470.8	7549.2	7560.9
22.5°	7174.7	7237.4	7323.7	7415.8	7429.6
25°	6976.6	7053.1	7153.1	7264.8	7282.5
27.5°	6751.1	6839.3	6974.7	7100.2	7115.8
30°	6506.0	6609.9	6778.6	6927.6	6953.1
32.5°	6247.2	6366.8	6574.7	6741.3	6776.6
35°	5964.8	6104.1	6355.0	6547.2	6586.4
37.5°	5686.4	5839.3	6123.7	6343.2	6390.3
40°	5360.9	5551.1	5876.6	6119.8	6176.6
42.5°	5055.0	5260.9	5629.5	5894.3	5949.2
45°	4707.9	4945.2	5358.9	5651.1	5711.9
47.5°	4382.4	4639.3	5098.2	5400.1	5462.8
50°	4039.3	4321.7	4819.7	5135.4	5200.1
52.5°	3696.2	4000.1	4531.5	4858.9	4919.7
55°	3335.3	3680.5	4239.3	4558.9	4613.8
57.5°	3000.1	3364.8	3939.3	4243.2	4276.6
60°	2668.7	3047.1	3633.4	3900.1	3911.8
62.5°	2345.2	2743.2	3319.7	3531.4	3515.8
65°	2035.3	2451.0	3000.1	3149.1	3113.8
67.5°	1737.2	2166.8	2672.6	2768.7	2721.6
70°	1454.9	1890.3	2354.9	2404.0	2360.8
72.5°	1205.9	1627.5	2033.3	2074.6	2043.2
75°	958.8	1376.5	1737.2	1782.4	1764.8
77.5°	727.5	1133.3	1464.8	1523.6	1527.5
80°	523.5	911.8	1227.5	1319.7	1331.4
82.5°	345.1	707.8	1029.4	1147.1	1164.8
85°	200.0	527.5	870.6	990.2	1007.8
87.5°	86.2	380.4	700.0	807.8	829.4
90°	2.5	224.3	522.3	659.2	688.8
92.5°	14.3	193.9	465.8	598.4	628.3
95°	33.2	199.2	461.8	592.8	629.7
97.5°	150.1	273.5	493.5	609.6	642.3
100°	292.6	405.3	529.6	624.4	645.9
102.5°	463.4	526.8	567.6	607.7	616.4
105°	541.2	600.4	659.0	595.7	581.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	439.8	482.9	571.5	607.5	600.3
115°	379.0	408.4	500.0	543.4	543.8
117.5°	329.3	349.3	431.0	472.4	476.7
120°	277.7	296.7	368.1	405.7	412.7
122.5°	232.7	249.1	318.0	352.8	357.8
125°	191.5	207.4	271.2	304.8	309.9
127.5°	163.8	173.5	231.2	266.4	270.7
130°	143.8	149.8	198.0	232.2	238.0
132.5°	129.6	136.8	172.3	204.6	213.2
135°	117.9	125.2	151.2	182.2	190.9
137.5°	109.6	115.2	134.2	162.4	171.2
140°	103.2	107.7	119.9	144.3	153.0
142.5°	99.3	101.0	106.6	129.8	135.7
145°	95.4	95.2	98.8	116.2	122.0
147.5°	91.2	92.9	94.6	102.4	109.2
150°	87.1	90.8	89.6	92.4	98.3
152.5°	83.8	86.6	86.2	84.3	89.1
155°	80.4	83.3	82.9	81.0	83.8
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	541.2	598.9	679.3	627.7	576.6
110°	500.4	553.6	637.8	650.2	608.3



(END OF REPORT)