

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: P828078

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828078
REPORT IS A COMBINATION OF REPORTS P826282 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-MCL-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

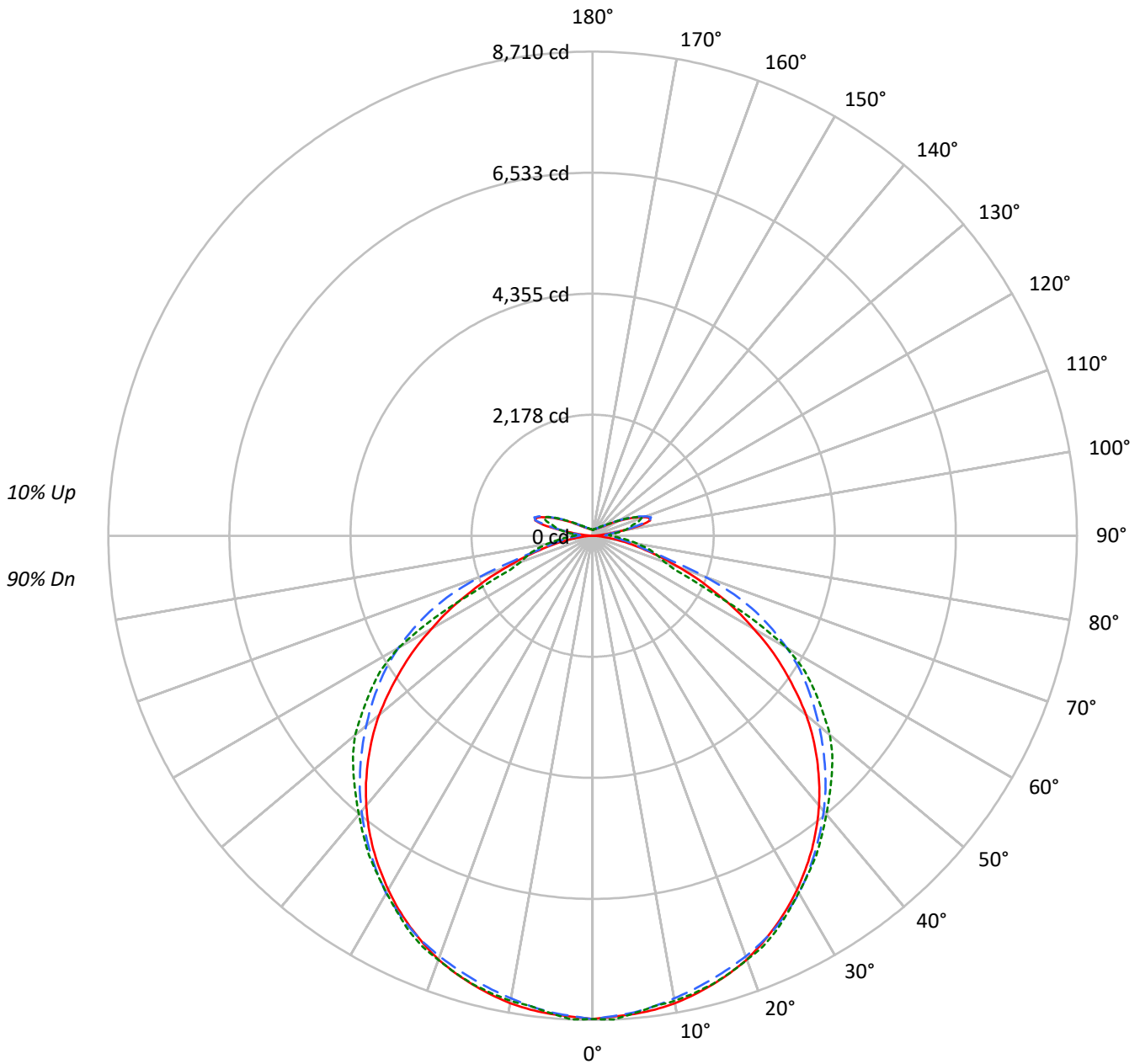
Lumens per Lamp: N/A
Luminaire Lumens: 27121.7 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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	105	105	105	99	99	99	92	92	92	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76																			
2	97	89	83	77	94	87	81	76	81	76	72	77	73	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54																			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35																			
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27																			
9	55	42	34	29	53	41	34	28	39	32	28	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14847	14847	14847
5°	14678	14624	14724
10°	14553	14396	14622
15°	14389	14224	14587
20°	14224	14113	14523
25°	13977	14001	14462
30°	13712	13829	14260
35°	13407	13559	14186
40°	13030	13280	14063
45°	12538	12958	14068
50°	11900	12591	14069
55°	10948	12229	13676
60°	9738	11704	12796
65°	8206	10739	8238
70°	6450	8366	6102
75°	4663	4952	6396
80°	3053	4097	6448
85°	1529	3721	6780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	819.6	3.0
10°-20°	2350.3	8.7
20°-30°	3589.7	13.2
30°-40°	4355.5	16.1
40°-50°	4565.0	16.8
50°-60°	4136.6	15.3
60°-70°	2773.4	10.2
70°-80°	1245.4	4.6
80°-90°	457.4	1.7
90°-100°	333.3	1.2
100°-110°	956.0	3.5
110°-120°	766.4	2.8
120°-130°	364.3	1.3
130°-140°	186.9	0.7
140°-150°	110.3	0.4
150°-160°	66.0	0.2
160°-170°	35.0	0.1
170°-180°	10.7	0.0
0°-30°	6759.6	24.9
0°-40°	11115.1	41.0
0°-60°	19816.7	73.1
0°-90°	24292.8	89.6
90°-120°	2055.8	7.6
90°-150°	2717.2	10.0
90°-180°	2829.0	10.4
0°-180°	27121.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8693	8693	8693	8693	8693	
5°	8636	8666	8606	8632	8621	821
15°	8356	8323	8264	8337	8347	2359
25°	7762	7729	7783	7854	7832	3578
35°	6880	6896	6967	7041	7013	4300
45°	5710	5803	5911	6062	6081	4399
55°	4202	4404	4704	4893	4882	3751
65°	2466	2852	3238	2732	2231	2457
75°	970	1408	1036	1060	1129	1060
85°	167	320	411	496	520	204
90°	7	141	257	317	330	14
95°	49	162	262	325	341	173
105°	1069	1101	1062	830	745	1011
115°	745	750	771	784	772	746
125°	370	383	405	399	395	347
135°	224	229	236	246	247	177
145°	166	170	174	177	178	106
155°	137	140	142	144	143	64
165°	120	121	122	124	124	34
175°	110	111	110	110	110	11
180°	108	108	108	108	108	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8692.6	8692.6	8692.6	8692.6	8692.6
2.5°	8657.4	8693.8	8648.6	8697.6	8710.2
5°	8636.0	8666.2	8605.8	8632.3	8620.9
7.5°	8597.1	8607.1	8535.5	8556.8	8534.2
10°	8539.2	8534.2	8450.0	8491.5	8496.5
12.5°	8453.8	8438.7	8363.2	8426.2	8427.4
15°	8355.8	8323.1	8264.0	8336.9	8346.9
17.5°	8242.7	8199.9	8160.9	8255.2	8240.1
20°	8110.7	8060.4	8052.8	8155.9	8118.2
22.5°	7947.3	7908.3	7925.9	8023.9	8000.1
25°	7762.5	7728.6	7782.6	7854.3	7831.7
27.5°	7567.7	7547.6	7609.2	7664.5	7620.5
30°	7354.0	7342.7	7424.4	7469.7	7414.3
32.5°	7121.5	7125.2	7203.2	7264.8	7213.2
35°	6880.2	6896.5	6966.9	7041.1	7013.4
37.5°	6615.0	6651.4	6721.8	6806.0	6777.1
40°	6334.7	6387.5	6465.4	6567.2	6540.8
42.5°	6031.8	6098.4	6198.9	6312.1	6309.6
45°	5710.0	5803.0	5911.1	6061.9	6080.8
47.5°	5375.7	5480.0	5617.0	5818.1	5847.0
50°	5012.4	5143.2	5314.1	5555.4	5573.0
52.5°	4607.8	4786.2	5012.4	5243.8	5222.3
55°	4201.8	4404.1	4704.5	4893.0	4881.8
57.5°	3797.0	4024.5	4389.0	4523.5	4522.2
60°	3344.6	3632.4	4030.8	4132.7	4032.1
62.5°	2926.0	3235.3	3648.8	3574.6	3230.2
65°	2466.0	2851.8	3237.8	2732.5	2231.0
67.5°	2057.5	2459.8	2750.1	1871.5	1602.5
70°	1646.5	2090.2	2144.2	1388.8	1370.0
72.5°	1282.0	1754.6	1479.3	1189.0	1249.3
75°	970.3	1407.7	1035.7	1059.6	1128.7
77.5°	707.6	1080.9	805.7	928.8	985.4
80°	486.4	765.4	657.3	780.5	819.5
82.5°	305.4	505.2	526.7	628.4	668.7
85°	167.2	320.5	411.0	496.5	520.3
87.5°	69.2	193.6	314.3	383.3	403.5
90°	7.1	141.0	257.4	317.3	329.8
92.5°	18.8	124.2	228.4	282.4	292.9
95°	48.8	162.4	262.5	324.8	340.6
97.5°	292.5	341.1	371.9	437.9	475.4
100°	576.2	649.0	552.7	581.5	589.4
102.5°	908.3	955.2	803.8	698.1	676.8
105°	1069.2	1101.4	1061.7	830.1	744.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	862.2	877.6	903.6	904.1	886.6
115°	745.1	750.1	770.6	784.0	771.5
117.5°	630.1	636.8	657.3	658.2	654.0
120°	531.8	540.5	555.2	556.4	551.0
122.5°	445.9	458.4	476.4	473.5	467.3
125°	370.5	382.6	405.1	398.9	395.2
127.5°	316.8	324.3	341.8	344.8	341.8
130°	274.3	282.2	296.8	303.4	302.6
132.5°	246.3	253.4	263.0	270.5	269.7
135°	223.8	229.3	235.5	245.9	247.2
137.5°	205.1	210.9	215.1	224.7	225.9
140°	190.9	195.1	198.0	204.7	206.8
142.5°	177.2	181.8	184.7	190.1	192.2
145°	166.3	170.1	174.2	177.2	178.4
147.5°	157.6	160.9	164.2	165.9	167.2
150°	150.1	152.6	155.9	156.8	157.6
152.5°	143.4	145.1	147.6	149.2	149.2
155°	136.8	140.5	142.2	143.8	142.6
157.5°	131.8	134.7	136.3	137.2	138.0
160°	127.6	129.7	131.3	132.2	133.0
162.5°	123.8	125.5	126.3	127.2	128.0
165°	120.5	121.3	122.2	123.8	123.8
167.5°	117.2	119.2	118.8	119.7	119.7
170°	114.7	115.5	116.3	115.1	115.1
172.5°	112.2	113.0	113.8	112.6	112.6
175°	110.5	111.3	110.1	109.7	109.7
177.5°	110.9	110.5	109.2	108.0	107.6
180°	108.4	108.4	108.4	108.4	108.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1069.6	1102.2	1100.8	984.2	870.0
110°	982.5	1012.6	1023.2	992.0	936.2



(END OF REPORT)