

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: P827936

Luminaire Tested: **OHB-30SE-MFL-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827936
REPORT IS A COMBINATION OF REPORTS P826271 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: OHB-30SE-MFL-UNV-L935-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

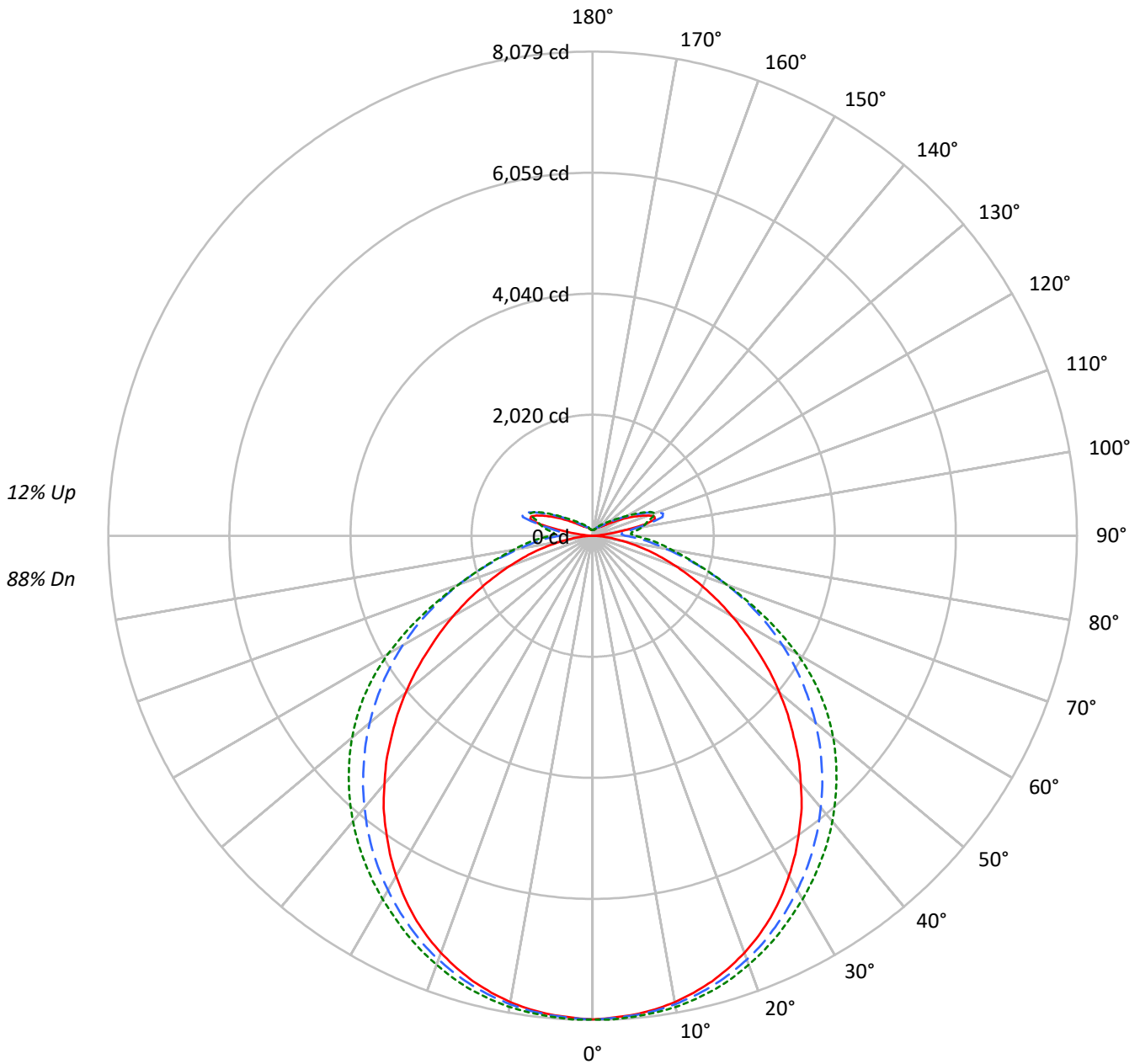
Lumens per Lamp: N/A
Luminaire Lumens: 26707.5 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 204.2
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72																			
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																			
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29																			
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26961	26961	26961
5°	26659	26625	26802
10°	26343	26311	26677
15°	25920	25952	26507
20°	25400	25530	26253
25°	24750	25023	25995
30°	23900	24478	25736
35°	22900	23903	25517
40°	21726	23246	25302
45°	20368	22535	25025
50°	18895	21809	24687
55°	17122	20934	24101
60°	15309	19912	22907
65°	13344	18628	20925
70°	11230	17014	18779
75°	9078	15145	17359
80°	6474	13617	17328
85°	3603	13417	19597



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.8	2.9
10°-20°	2194.0	8.2
20°-30°	3318.1	12.4
30°-40°	3983.3	14.9
40°-50°	4114.2	15.4
50°-60°	3701.5	13.9
60°-70°	2788.3	10.4
70°-80°	1683.6	6.3
80°-90°	828.8	3.1
90°-100°	543.9	2.0
100°-110°	1089.7	4.1
110°-120°	850.4	3.2
120°-130°	412.2	1.5
130°-140°	209.3	0.8
140°-150°	118.9	0.4
150°-160°	66.1	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	6276.8	23.5
0°-40°	10260.2	38.4
0°-60°	18075.8	67.7
0°-90°	23376.5	87.5
90°-120°	2483.9	9.3
90°-150°	3224.3	12.1
90°-180°	3331.0	12.5
0°-180°	26707.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8071	8071	8071	8071	8071	
5°	8020	8041	8031	8063	8053	762
15°	7696	7733	7769	7834	7842	2170
25°	7028	7105	7206	7318	7336	3233
35°	6009	6149	6402	6595	6635	3756
45°	4743	4982	5398	5693	5754	3661
55°	3360	3708	4270	4592	4648	3012
65°	2050	2469	3022	3172	3137	2037
75°	966	1387	1750	1796	1778	1030
85°	202	531	877	998	1015	233
90°	6	242	547	683	709	17
95°	57	236	492	626	654	180
105°	1078	1154	1207	1028	950	1019
115°	751	780	868	917	910	753
125°	378	394	464	489	490	352
135°	226	234	263	297	305	179
145°	175	175	181	199	205	110
155°	144	148	148	148	150	64
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8070.9	8070.9	8070.9	8070.9	8070.9
2.5°	8047.3	8067.0	8055.2	8080.8	8078.8
5°	8019.6	8041.3	8031.4	8063.1	8053.2
7.5°	7972.2	7995.9	7993.9	8029.5	8025.5
10°	7903.1	7928.8	7936.7	7984.1	7984.1
12.5°	7808.2	7841.8	7861.6	7918.8	7920.8
15°	7695.7	7733.2	7768.8	7833.9	7841.8
17.5°	7559.3	7606.8	7656.2	7731.2	7741.1
20°	7405.2	7458.6	7525.8	7604.8	7616.7
22.5°	7227.5	7290.8	7377.7	7470.5	7484.3
25°	7028.0	7105.1	7205.8	7318.4	7336.2
27.5°	6800.8	6889.8	7026.0	7152.4	7168.2
30°	6553.9	6658.7	6828.5	6978.7	7004.3
32.5°	6293.2	6413.7	6623.1	6791.0	6826.5
35°	6008.8	6149.0	6401.8	6595.4	6634.9
37.5°	5728.2	5882.3	6168.8	6390.0	6437.4
40°	5400.4	5592.0	5919.9	6164.8	6222.1
42.5°	5092.2	5299.7	5671.0	5937.7	5993.0
45°	4742.6	4981.7	5398.4	5692.8	5754.0
47.5°	4414.8	4673.5	5135.7	5439.9	5503.1
50°	4069.1	4353.5	4855.2	5173.2	5238.4
52.5°	3723.4	4029.6	4564.8	4894.8	4955.9
55°	3359.9	3707.6	4270.5	4592.5	4647.8
57.5°	3022.2	3389.6	3968.3	4274.5	4308.1
60°	2688.3	3069.6	3660.2	3928.8	3940.7
62.5°	2362.4	2763.4	3344.2	3557.5	3541.7
65°	2050.3	2469.1	3022.2	3172.2	3136.8
67.5°	1750.1	2182.7	2692.3	2789.1	2741.7
70°	1465.7	1904.2	2372.3	2421.7	2378.2
72.5°	1214.8	1639.5	2048.3	2089.8	2058.2
75°	965.9	1386.7	1750.1	1795.5	1777.8
77.5°	732.8	1141.7	1475.5	1534.8	1538.8
80°	527.4	918.5	1236.5	1329.3	1341.2
82.5°	347.7	713.1	1037.0	1155.5	1173.3
85°	201.5	531.3	877.0	997.5	1015.2
87.5°	86.9	383.2	705.2	813.8	835.5
90°	5.8	241.6	546.8	682.9	708.6
92.5°	23.4	214.3	485.6	616.7	640.0
95°	57.4	236.1	492.0	625.5	654.2
97.5°	301.8	406.8	575.9	707.6	757.9
100°	584.3	707.8	733.3	823.8	843.8
102.5°	915.2	1010.8	965.2	915.0	903.8
105°	1078.0	1153.5	1207.2	1027.8	950.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	869.2	913.3	1010.9	1051.5	1039.4
115°	750.8	780.4	868.5	917.3	910.2
117.5°	637.8	663.7	744.3	781.2	780.4
120°	539.4	562.8	632.2	666.7	667.9
122.5°	453.6	476.0	545.3	573.7	572.2
125°	377.5	394.3	463.5	489.0	490.0
127.5°	320.5	331.9	390.8	425.5	427.3
130°	278.0	286.7	338.4	373.7	378.8
132.5°	248.8	258.6	296.1	330.2	337.2
135°	226.3	234.4	263.2	296.9	304.8
137.5°	206.3	216.1	236.1	267.1	275.0
140°	194.2	200.3	214.3	239.7	248.4
142.5°	183.6	186.9	195.1	218.4	225.3
145°	174.8	175.3	181.4	198.9	204.8
147.5°	164.8	168.1	171.4	181.0	186.9
150°	157.2	161.8	163.1	165.9	172.7
152.5°	150.6	154.2	154.8	154.4	158.4
155°	143.9	148.4	148.1	147.8	149.8
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°	1077.2	1149.4	1230.8	1162.8	1056.1
110°	988.8	1055.8	1141.5	1154.3	1105.9



(END OF REPORT)