

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: P826605

Luminaire Tested: **OHBL-36SE-N-UNV-L830-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826605
REPORT IS A COMBINATION OF REPORTS P826176 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-N-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

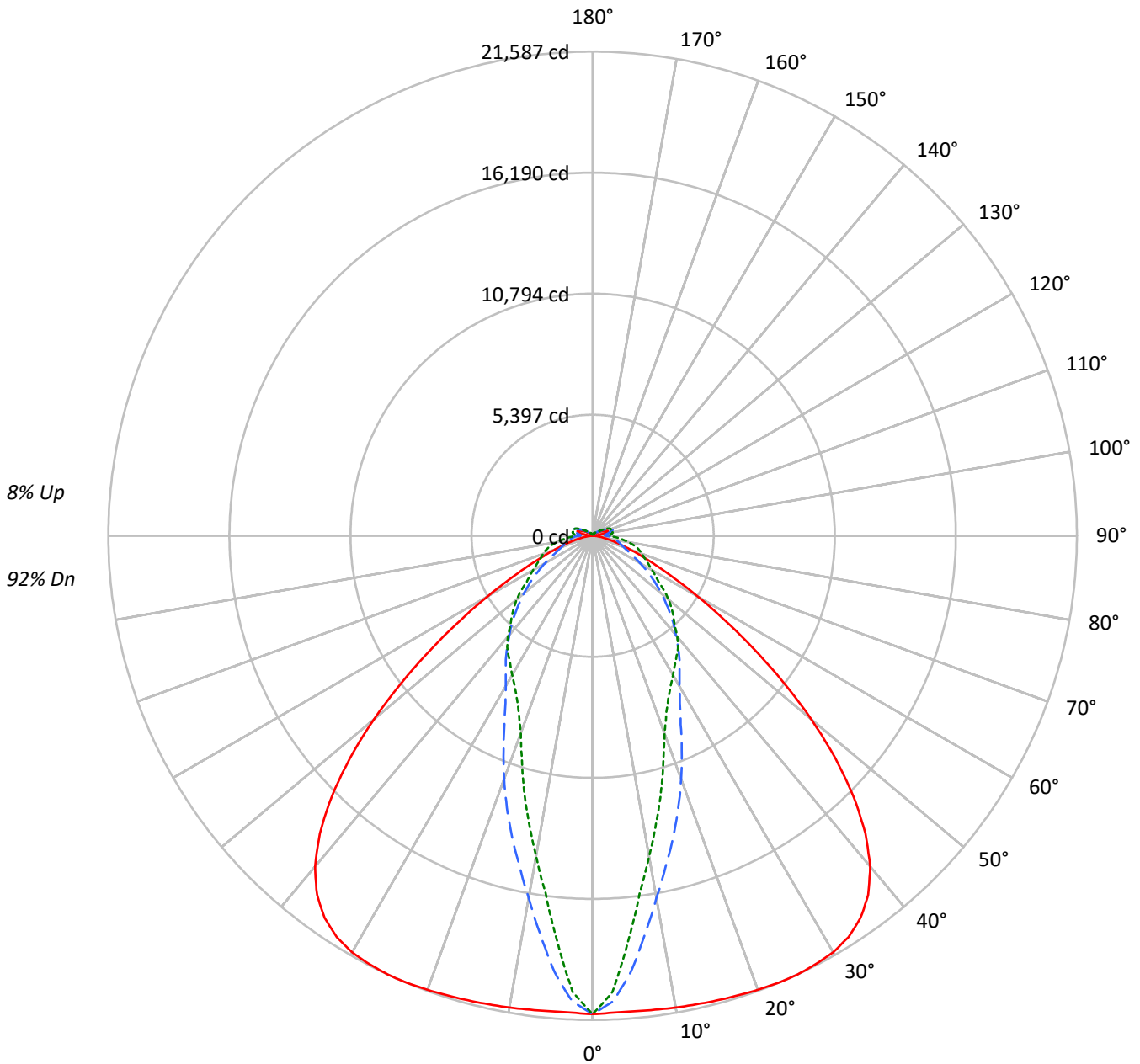
Lumens per Lamp: N/A
Luminaire Lumens: 33139.8 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 223.3
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	107	107	107	100	100	100	94	94	94	92																			
1	108	103	99	96	104	100	97	93	94	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	73	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	45	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	39	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33726	33726	33726
5°	33515	30727	28695
10°	33750	25894	23121
15°	34261	22156	19072
20°	35067	18743	15505
25°	36110	15521	13659
30°	37171	13379	12762
35°	37737	12199	12236
40°	36866	11027	11690
45°	33681	9972	10908
50°	28189	8817	10333
55°	21213	7730	9297
60°	14688	6637	9024
65°	9727	5725	8993
70°	6501	5384	9669
75°	4368	5569	10713
80°	2848	6197	11726
85°	1484	7822	13983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1795.2	5.4
10°-20°	4223.0	12.7
20°-30°	5293.5	16.0
30°-40°	5617.0	16.9
40°-50°	5078.6	15.3
50°-60°	3682.4	11.1
60°-70°	2310.9	7.0
70°-80°	1529.2	4.6
80°-90°	885.2	2.7
90°-100°	586.2	1.8
100°-110°	847.9	2.6
110°-120°	657.2	2.0
120°-130°	316.4	1.0
130°-140°	154.5	0.5
140°-150°	88.3	0.3
150°-160°	48.3	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	11311.6	34.1
0°-40°	16928.6	51.1
0°-60°	25689.6	77.5
0°-90°	30414.9	91.8
90°-120°	2091.3	6.3
90°-150°	2650.5	8.0
90°-180°	2725.0	8.2
0°-180°	33139.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21325	21325	21325	21325	21325	
5°	21283	20737	19519	18614	18145	###
15°	21445	17479	13883	12346	11786	6082
25°	21587	13515	9296	8250	7989	9973
35°	20814	8985	6746	6536	6533	12939
45°	16454	5691	4889	5007	5092	12535
55°	8711	3528	3191	3461	3584	7871
65°	3116	2046	1847	2367	2630	3242
75°	962	1102	1240	1926	2042	1072
85°	168	457	907	1262	1159	202
90°	4	214	557	783	793	14
95°	44	210	583	785	835	118
105°	706	772	920	857	837	670
115°	500	546	709	761	766	503
125°	257	276	366	396	392	240
135°	158	165	196	226	227	125
145°	125	129	136	153	151	78
155°	104	112	115	118	114	45
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21325.4	21325.4	21325.4	21325.4	21325.4
2.5°	21280.8	21159.0	20779.5	20548.1	20353.2
5°	21282.8	20736.9	19519.1	18613.8	18145.0
7.5°	21313.3	20099.5	17905.5	16584.2	16068.6
10°	21360.0	19310.0	16399.5	14991.0	14509.9
12.5°	21394.4	18421.0	15074.2	13627.0	13099.3
15°	21445.2	17479.3	13882.8	12346.3	11786.1
17.5°	21491.8	16592.3	12705.5	11100.1	10477.0
20°	21538.5	15636.3	11528.4	9874.2	9360.7
22.5°	21583.2	14627.6	10379.6	8922.3	8571.2
25°	21587.2	13515.4	9295.8	8250.5	7988.6
27.5°	21534.5	12362.5	8416.9	7688.2	7525.9
30°	21443.2	11244.2	7735.0	7282.3	7166.7
32.5°	21215.8	10103.5	7207.2	6890.7	6823.7
35°	20813.9	8985.3	6746.5	6535.5	6533.4
37.5°	20180.7	7992.7	6247.2	6210.7	6255.4
40°	19245.1	7124.1	5774.3	5871.7	5871.7
42.5°	17996.9	6369.0	5346.0	5445.5	5419.2
45°	16454.3	5691.1	4889.4	5007.1	5092.4
47.5°	14666.2	5094.4	4422.6	4649.9	4767.6
50°	12721.8	4526.1	3996.4	4286.6	4420.6
52.5°	10684.0	4000.5	3580.3	3913.2	4020.7
55°	8711.2	3527.6	3190.6	3460.6	3584.3
57.5°	6925.1	3077.0	2809.1	3064.8	3320.5
60°	5388.7	2689.3	2449.8	2815.1	3070.8
62.5°	4116.1	2344.3	2112.8	2581.7	2837.4
65°	3115.5	2045.9	1847.0	2366.6	2630.4
67.5°	2348.3	1788.2	1639.9	2210.3	2468.0
70°	1763.8	1538.5	1473.5	2112.8	2344.3
72.5°	1303.1	1309.1	1341.6	2027.6	2204.2
75°	962.0	1102.1	1240.2	1926.2	2041.8
77.5°	688.1	913.3	1148.8	1804.3	1844.9
80°	477.0	744.9	1053.4	1644.0	1609.5
82.5°	298.3	596.7	968.2	1467.4	1372.0
85°	168.4	456.6	907.3	1262.4	1158.9
87.5°	75.1	341.0	793.6	984.3	919.4
90°	3.7	214.0	557.3	782.7	793.4
92.5°	16.2	189.0	536.3	748.6	776.4
95°	43.5	210.3	582.8	784.6	835.4
97.5°	191.6	315.9	655.9	847.0	886.2
100°	386.3	498.2	729.3	883.1	909.0
102.5°	599.6	681.8	789.9	870.6	881.3
105°	705.7	772.4	919.5	856.9	837.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	580.5	633.0	806.4	858.5	845.4
115°	499.7	545.9	709.4	760.6	765.8
117.5°	431.0	464.3	610.2	659.1	662.1
120°	364.0	394.8	520.4	560.2	558.3
122.5°	308.2	332.8	438.9	470.7	466.8
125°	257.0	276.3	366.0	395.5	391.7
127.5°	219.6	232.1	307.4	334.9	331.0
130°	193.6	204.2	258.4	287.7	288.7
132.5°	173.8	180.7	222.8	252.2	254.0
135°	158.0	164.9	195.9	226.2	227.1
137.5°	145.9	154.8	174.8	203.0	204.0
140°	135.7	142.6	157.5	183.7	184.6
142.5°	129.3	134.2	145.1	166.3	167.2
145°	124.9	128.8	135.6	152.8	150.8
147.5°	118.4	124.2	128.1	140.1	138.1
150°	112.8	120.7	122.6	129.6	128.5
152.5°	109.1	116.0	117.9	122.9	120.9
155°	104.4	112.3	115.3	118.3	114.2
157.5°	77.2	78.2	79.1	80.0	80.0
160°	74.4	74.4	75.4	76.3	76.3
162.5°	71.7	71.7	72.6	73.5	73.5
165°	68.9	69.8	69.8	70.7	70.7
167.5°	67.0	67.0	67.9	67.9	68.9
170°	65.1	65.1	66.1	66.1	66.1
172.5°	63.3	64.2	64.2	64.2	64.2
175°	62.3	62.3	63.3	63.3	63.3
177.5°	61.4	62.3	62.3	62.3	62.3
180°	62.3	62.3	62.3	62.3	62.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	712.2	779.2	950.6	898.6	831.8
110°	655.7	720.0	899.1	918.4	868.3



(END OF REPORT)